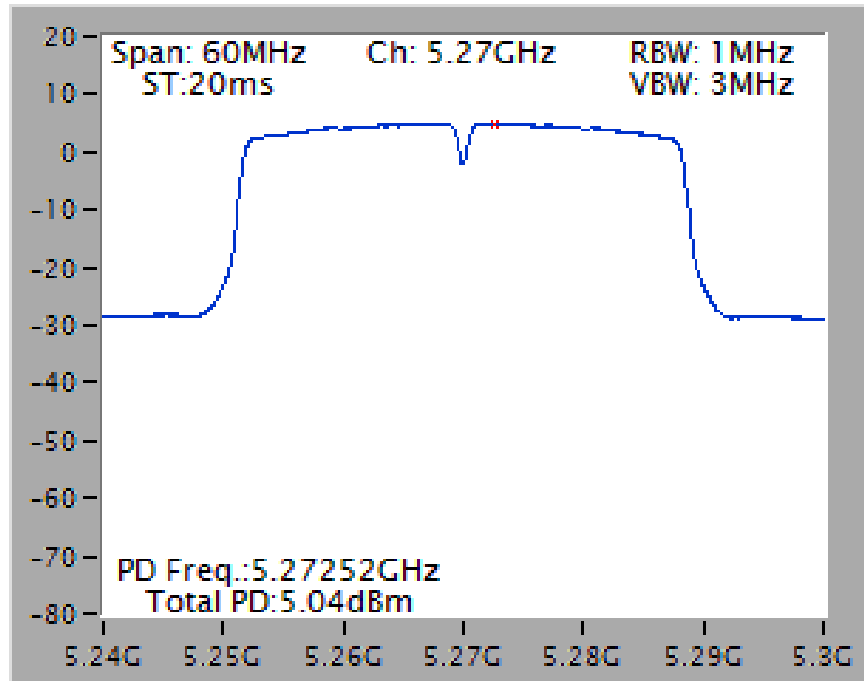
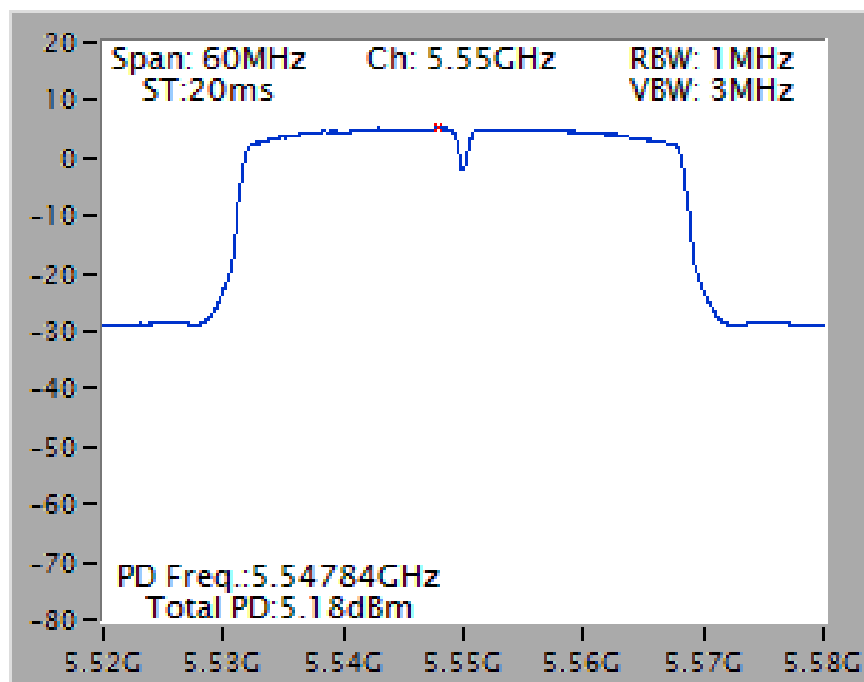


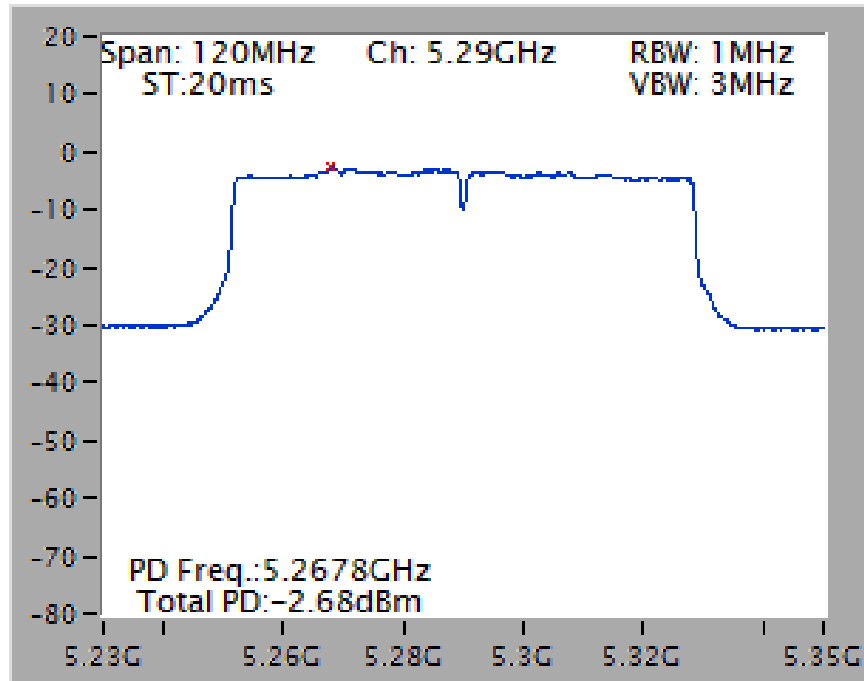
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



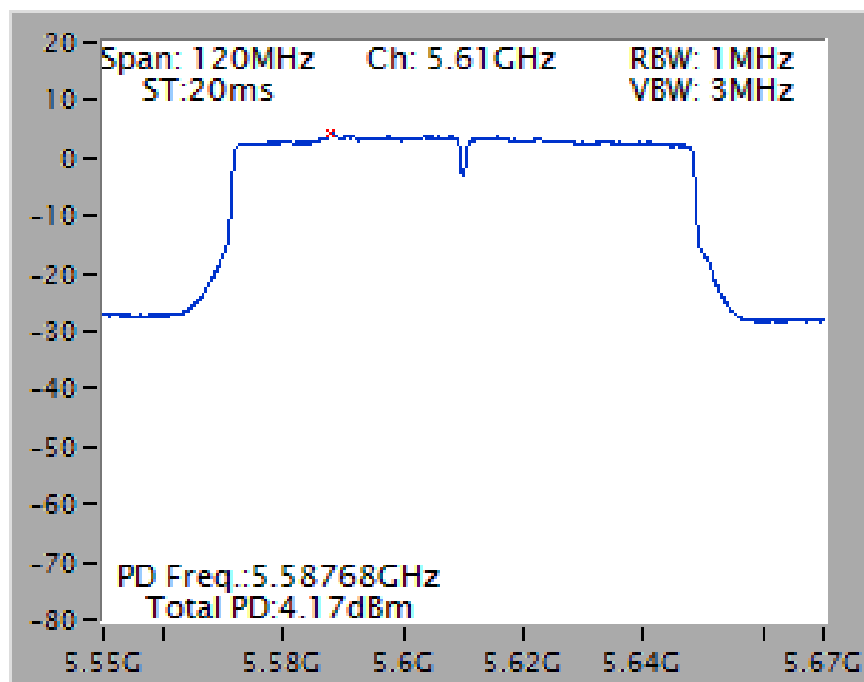
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz

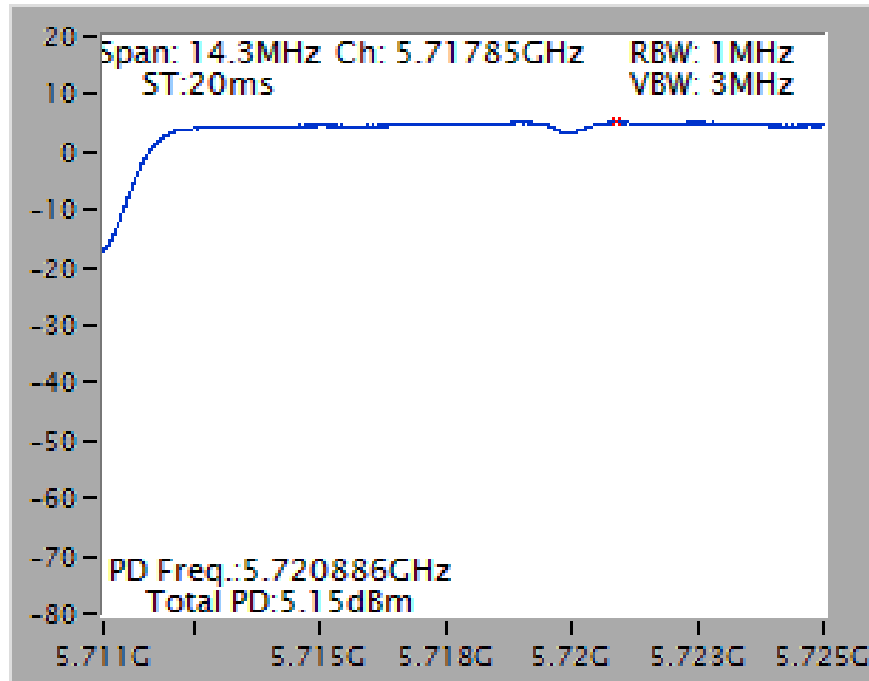


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

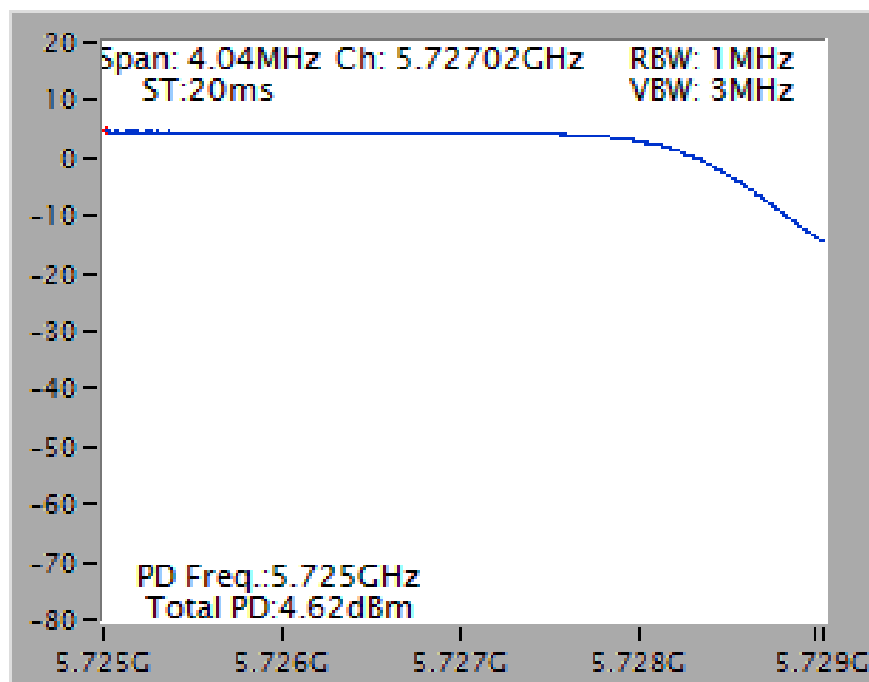


Straddle Channel

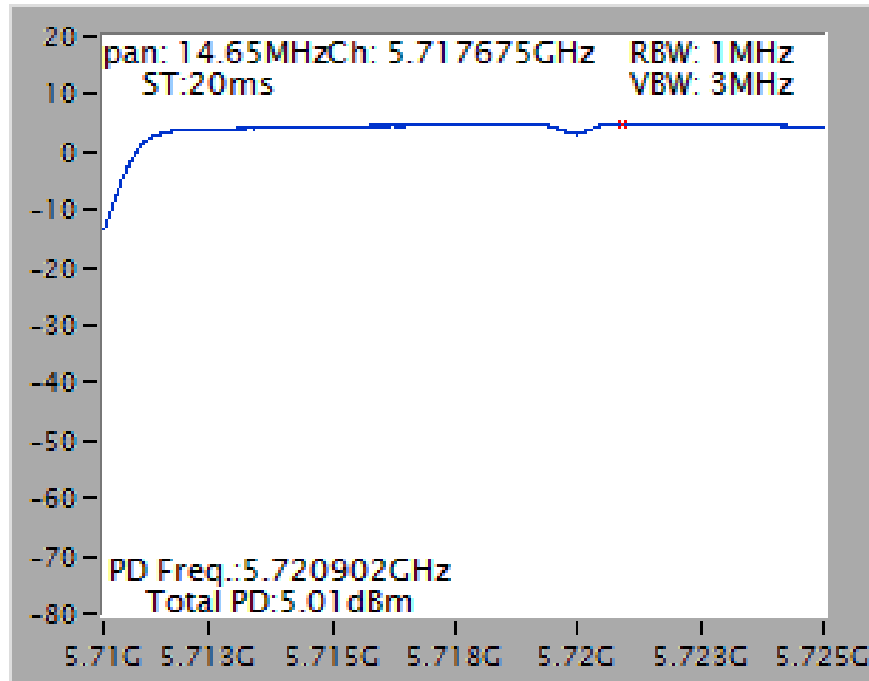
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz
(UNII 2C)



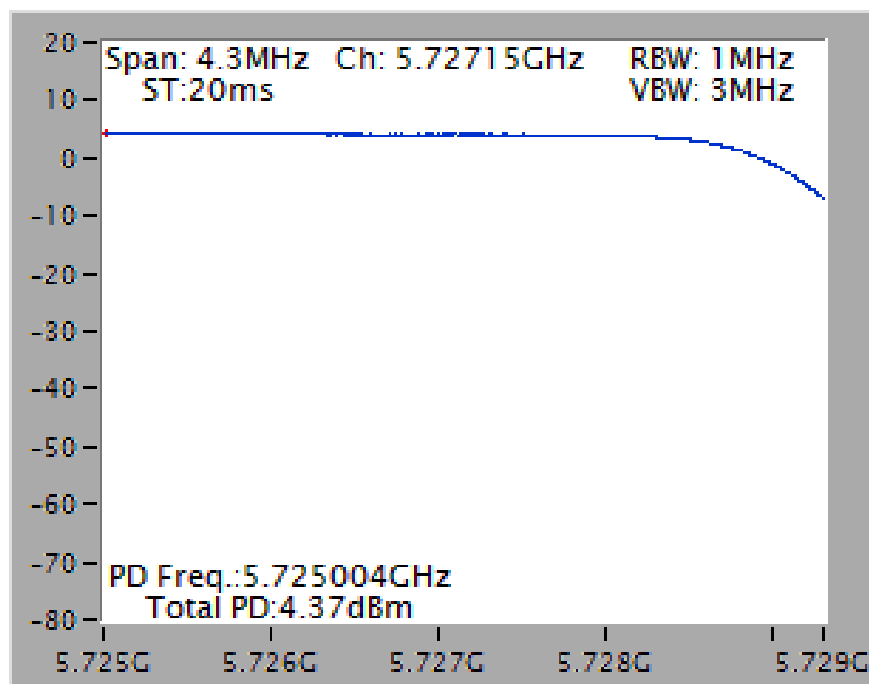
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz
(UNII 3)



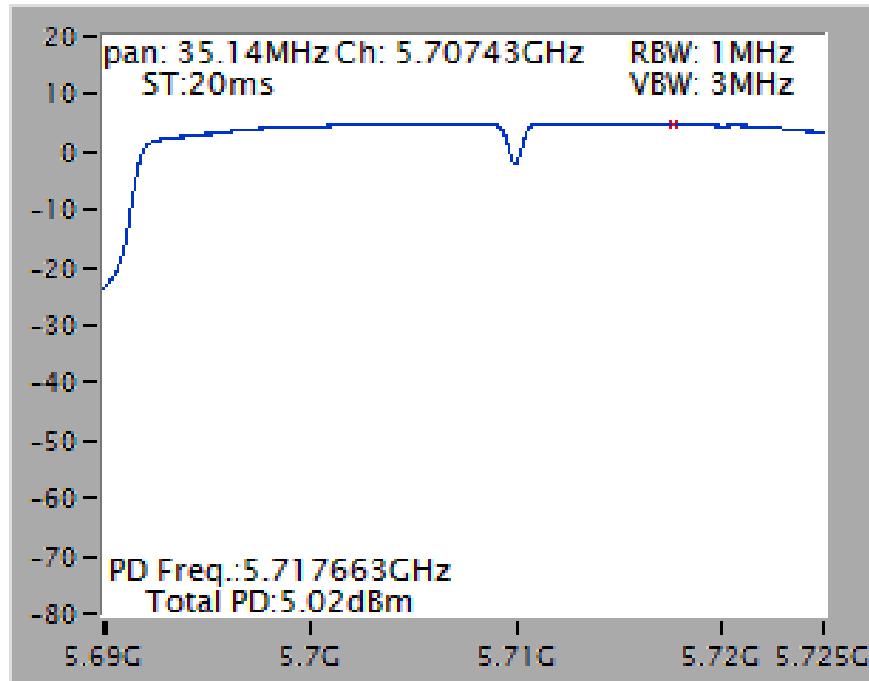
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



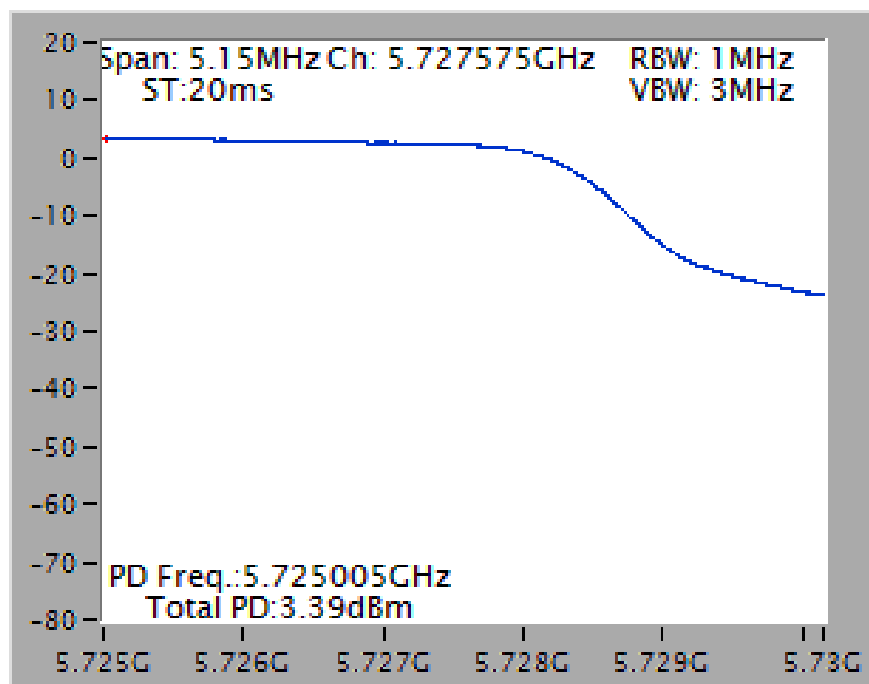
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



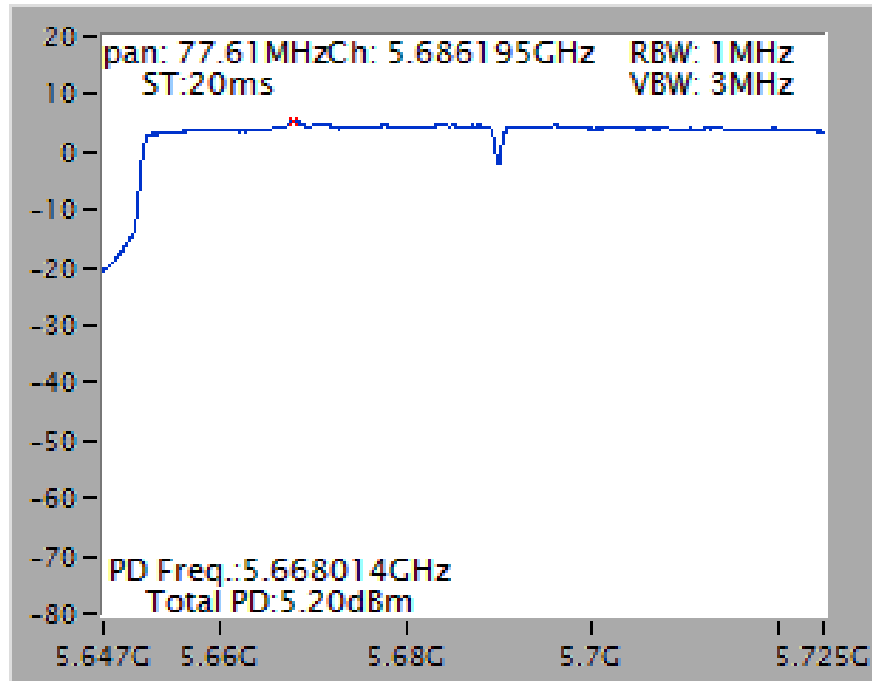
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



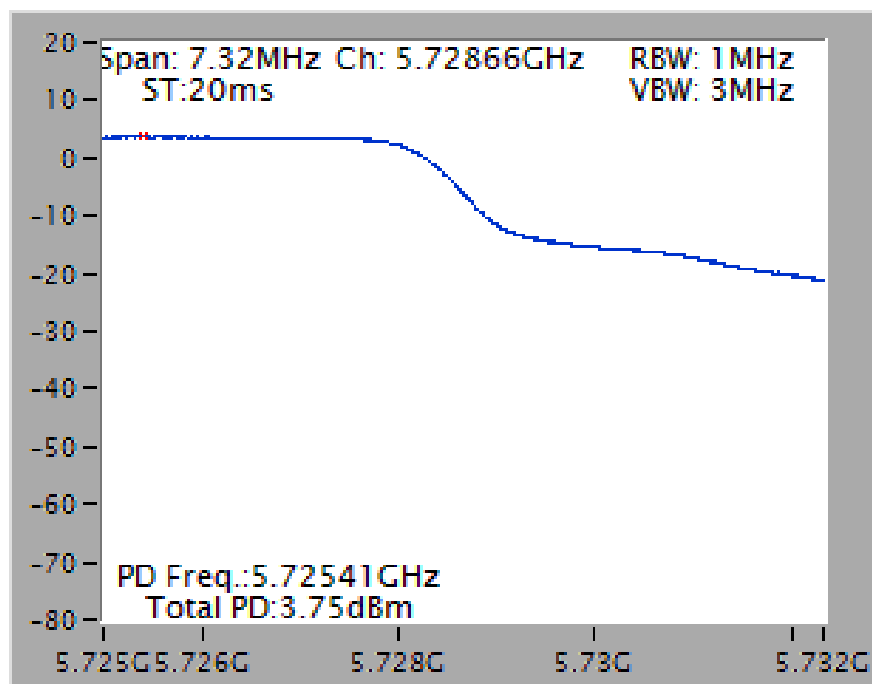
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)



4.6. Radiated Emissions Measurement

4.6.1. Limit

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

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

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

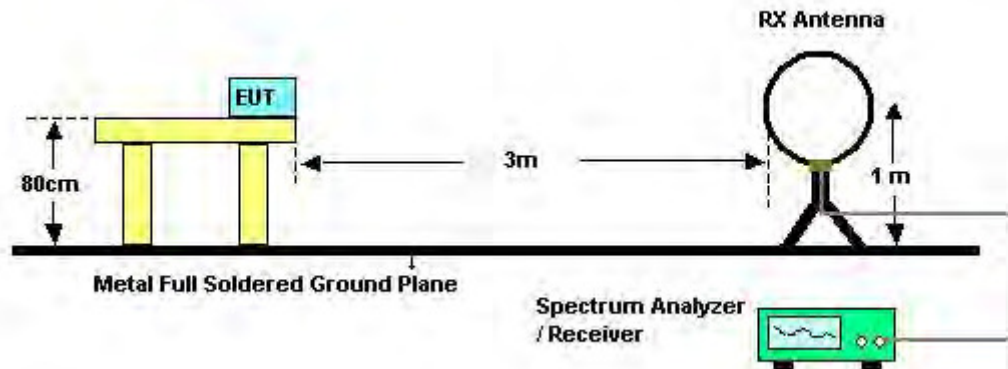
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

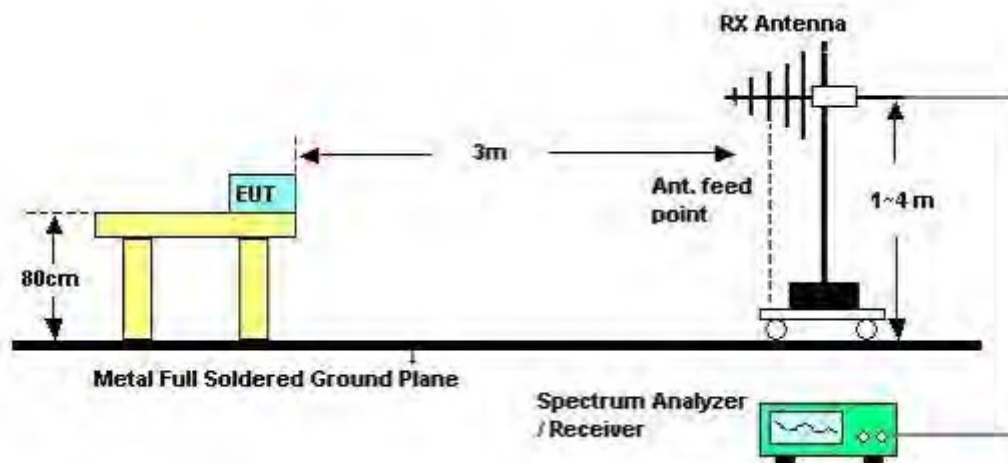
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting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

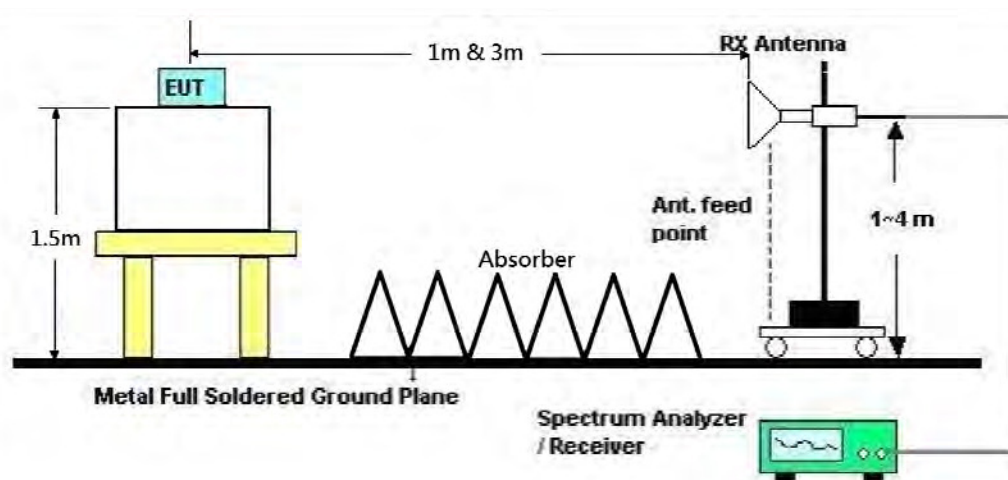
For Radiated Emissions: 9kHz ~30MHz



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 which are attenuated by more than 20 dB below the permissible value has no need to be reported.

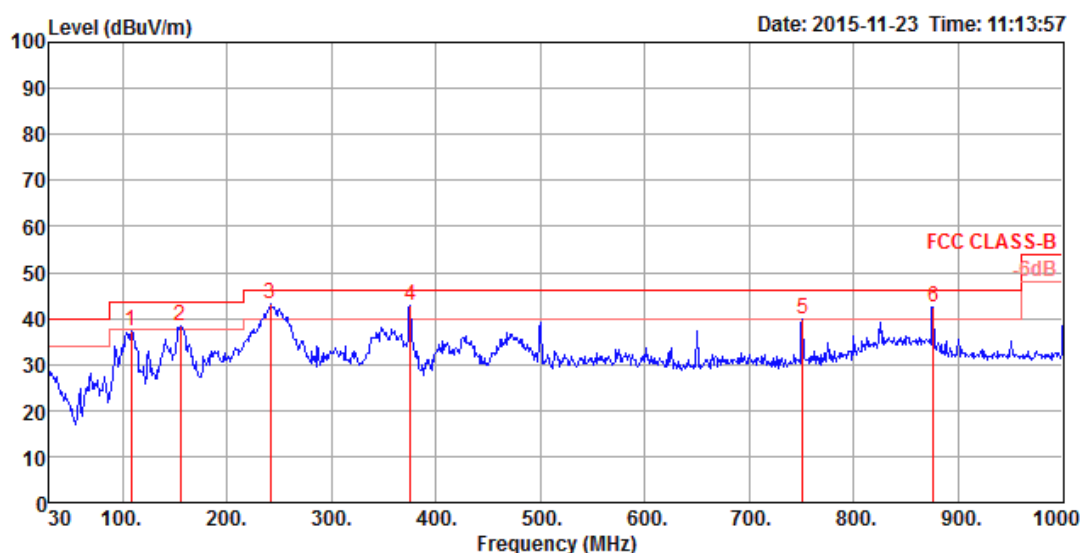
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

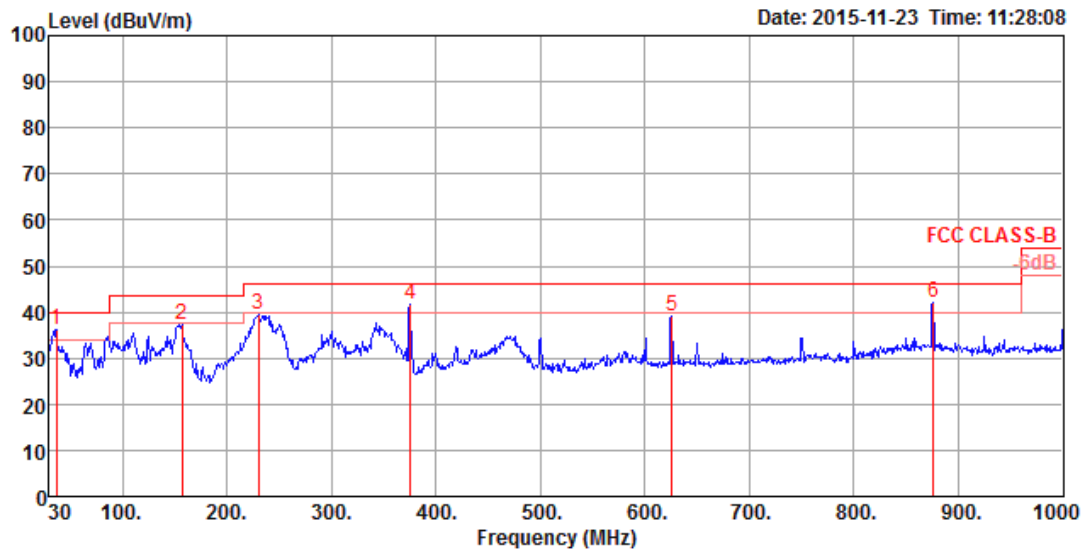
Temperature	138	Humidity	5690 MHz
Test Engineer	142	Configurations	Normal Link
Test Mode	Mode 2		

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	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 which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / 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	15772.50	41.46	54.00	-12.54	28.06	10.80	37.91	35.31	Average	200	93 HORIZONTAL
2	15792.80	55.36	74.00	-18.64	41.99	10.80	37.89	35.32	Peak	200	93 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	15755.70	53.19	74.00	-20.81	39.76	10.80	37.94	35.31	Peak	200	102 VERTICAL
2	15784.00	41.64	54.00	-12.36	28.27	10.80	37.89	35.32	Average	200	102 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10595.86	50.55	74.00	-23.45	38.31	8.62	38.58	34.96	Peak	200	74 HORIZONTAL
2	10601.64	39.12	54.00	-14.88	26.85	8.64	38.58	34.95	Average	200	74 HORIZONTAL
3	15895.30	53.95	74.00	-20.05	40.76	10.81	37.74	35.36	Peak	200	192 HORIZONTAL
4	15899.36	41.65	54.00	-12.35	28.46	10.81	37.74	35.36	Average	200	192 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	10583.90	38.95	54.00	-15.05	26.71	8.62	38.58	34.96	Average	200	152 VERTICAL
2	10598.90	51.48	74.00	-22.52	39.22	8.64	38.58	34.96	Peak	200	152 VERTICAL
3	15896.60	53.29	74.00	-20.71	40.10	10.81	37.74	35.36	Peak	200	163 VERTICAL
4	15917.20	42.16	54.00	-11.84	29.01	10.81	37.72	35.38	Average	200	163 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10638.94	38.88	54.00	-15.12	26.59	8.66	38.57	34.94	Average	200	83 HORIZONTAL
2	10641.18	51.01	74.00	-22.99	38.72	8.66	38.57	34.94	Peak	200	83 HORIZONTAL
3	15958.90	54.30	74.00	-19.70	41.23	10.82	37.65	35.40	Peak	200	212 HORIZONTAL
4	15963.68	41.78	54.00	-12.22	28.71	10.82	37.65	35.40	Average	200	212 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
1	10640.00	50.77	74.00	-23.23	38.48	8.66	38.57	34.94	Peak	200	193 VERTICAL
2	10640.54	38.90	54.00	-15.10	26.61	8.66	38.57	34.94	Average	200	193 VERTICAL
3	15960.76	53.56	74.00	-20.44	40.49	10.82	37.65	35.40	Peak	200	82 VERTICAL
4	15964.44	42.48	54.00	-11.52	29.41	10.82	37.65	35.40	Average	200	82 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	10995.90	51.95	74.00	-22.05	39.31	8.93	38.50	34.79	Peak	200	182	HORIZONTAL
2	10999.42	39.50	54.00	-14.50	26.86	8.93	38.50	34.79	Average	200	182	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	11000.76	40.52	54.00	-13.48	27.88	8.93	38.50	34.79	Average	200	61	VERTICAL
2	11000.76	52.11	74.00	-21.89	39.47	8.93	38.50	34.79	Peak	200	61	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11161.72	39.74	54.00	-14.26	26.79	9.04	38.70	34.79	Average	200	145 HORIZONTAL
2	11162.36	51.88	74.00	-22.12	38.93	9.04	38.70	34.79	Peak	200	145 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	11157.74	52.58	74.00	-21.42	39.63	9.04	38.70	34.79	Peak	200	102 VERTICAL
2	11162.22	40.60	54.00	-13.40	27.65	9.04	38.70	34.79	Average	200	102 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	
			Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11396.30	52.24	74.00	-21.76	38.87	9.19	38.98	34.80	Peak	200	103 HORIZONTAL
2	11403.28	40.39	54.00	-13.61	27.02	9.19	38.98	34.80	Average	200	103 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	11402.18	41.40	54.00	-12.60	28.03	9.19	38.98	34.80	Average	200	192	VERTICAL
2	11404.48	53.58	74.00	-20.42	40.21	9.19	38.98	34.80	Peak	200	192	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15781.22	53.64	74.00	-20.36	40.25	10.80	37.91	35.32	Peak	200	133 HORIZONTAL
2	15781.54	41.09	54.00	-12.91	27.72	10.80	37.89	35.32	Average	200	133 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	15777.56	54.29	74.00	-19.71	40.90	10.80	37.91	35.32	Peak	200	152 VERTICAL
2	15784.80	41.64	54.00	-12.36	28.27	10.80	37.89	35.32	Average	200	152 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10602.48	51.12	74.00	-22.88	38.85	8.64	38.58	34.95	Peak	200	151 HORIZONTAL
2	10604.96	38.81	54.00	-15.19	26.54	8.64	38.58	34.95	Average	200	151 HORIZONTAL
3	15895.02	53.58	74.00	-20.42	40.39	10.81	37.74	35.36	Peak	200	83 HORIZONTAL
4	15900.02	41.45	54.00	-12.55	28.26	10.81	37.74	35.36	Average	200	83 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	10595.24	38.98	54.00	-15.02	26.74	8.62	38.58	34.96	Average	200	110 VERTICAL
2	10599.66	50.69	74.00	-23.31	38.43	8.64	38.58	34.96	Peak	200	110 VERTICAL
3	15898.76	41.94	54.00	-12.06	28.75	10.81	37.74	35.36	Average	200	201 VERTICAL
4	15904.70	54.46	74.00	-19.54	41.29	10.81	37.72	35.36	Peak	200	201 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.16	50.63	74.00	-23.37	38.34	8.66	38.57	34.94	Peak	200	92	HORIZONTAL
2	10640.68	38.91	54.00	-15.09	26.62	8.66	38.57	34.94	Average	200	92	HORIZONTAL
3	15961.70	53.18	74.00	-20.82	40.11	10.82	37.65	35.40	Peak	200	210	HORIZONTAL
4	15962.12	41.22	54.00	-12.78	28.15	10.82	37.65	35.40	Average	200	210	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	10637.74	50.65	74.00	-23.35	38.36	8.66	38.57	34.94	Peak	200	107	VERTICAL
2	10643.06	38.73	54.00	-15.27	26.44	8.66	38.57	34.94	Average	200	107	VERTICAL
3	15961.42	54.51	74.00	-19.49	41.44	10.82	37.65	35.40	Peak	200	53	VERTICAL
4	15963.82	42.56	54.00	-11.44	29.49	10.82	37.65	35.40	Average	200	53	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	10996.42	40.09	54.00	-13.91	27.45	8.93	38.50	34.79	Average	200	121 HORIZONTAL
2	10998.84	51.94	74.00	-22.06	39.30	8.93	38.50	34.79	Peak	200	121 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	10998.58	55.20	74.00	-18.80	42.56	8.93	38.50	34.79	Peak	200	154 VERTICAL
2	10998.66	41.53	54.00	-12.47	28.89	8.93	38.50	34.79	Average	200	154 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11155.00	52.32	74.00	-21.68	39.40	9.03	38.68	34.79	Peak	200	201 HORIZONTAL
2	11160.92	39.96	54.00	-14.04	27.01	9.04	38.70	34.79	Average	200	201 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	11157.16	53.35	74.00	-20.65	40.43	9.03	38.68	34.79	Peak	200	111 VERTICAL
2	11161.52	41.85	54.00	-12.15	28.90	9.04	38.70	34.79	Average	200	111 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11396.66	41.02	54.00	-12.98	27.65	9.19	38.98	34.80	Average	200	193 HORIZONTAL
2	11398.84	53.02	74.00	-20.98	39.65	9.19	38.98	34.80	Peak	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	11399.10	53.39	74.00	-20.61	40.02	9.19	38.98	34.80	Peak	200	85 VERTICAL
2	11402.14	41.81	54.00	-12.19	28.44	9.19	38.98	34.80	Average	200	85 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15803.52	42.62	54.00	-11.38	29.28	10.80	37.87	35.33	Average	200	13 HORIZONTAL
2	15806.20	55.37	74.00	-18.63	42.03	10.80	37.87	35.33	Peak	200	13 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	15806.08	42.73	54.00	-11.27	29.39	10.80	37.87	35.33	Average	200	23 VERTICAL
2	15814.44	55.02	74.00	-18.98	41.68	10.80	37.87	35.33	Peak	200	23 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10610.08	39.25	54.00	-14.75	26.98	8.64	38.58	34.95	Average	200	331 HORIZONTAL
2	10613.40	51.07	74.00	-22.93	38.80	8.64	38.58	34.95	Peak	200	331 HORIZONTAL
3	15920.96	55.79	74.00	-18.21	42.66	10.81	37.70	35.38	Peak	200	264 HORIZONTAL
4	15927.52	43.23	54.00	-10.77	30.10	10.81	37.70	35.38	Average	200	264 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	10615.80	51.03	74.00	-22.97	38.75	8.65	38.58	34.95	Peak	200	96 VERTICAL
2	10622.60	39.23	54.00	-14.77	26.95	8.65	38.58	34.95	Average	200	96 VERTICAL
3	15926.48	42.16	54.00	-11.84	29.03	10.81	37.70	35.38	Average	200	213 VERTICAL
4	15938.12	55.01	74.00	-18.99	41.92	10.81	37.67	35.39	Peak	200	213 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	11010.64	52.20	74.00	-21.80	39.53	8.94	38.52	34.79	Peak	200	145 HORIZONTAL
2	11021.56	39.98	54.00	-14.02	27.28	8.95	38.54	34.79	Average	200	145 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	11017.52	52.46	74.00	-21.54	39.79	8.94	38.52	34.79	Peak	200	189 VERTICAL
2	11019.32	40.81	54.00	-13.19	28.14	8.94	38.52	34.79	Average	200	189 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11106.28	51.80	74.00	-22.20	38.98	8.99	38.62	34.79	Peak	200	182	HORIZONTAL
2	11109.64	40.06	54.00	-13.94	27.21	9.00	38.64	34.79	Average	200	182	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	11090.36	40.90	54.00	-13.10	28.08	8.99	38.62	34.79	Average	200	157	VERTICAL
2	11098.12	52.35	74.00	-21.65	39.53	8.99	38.62	34.79	Peak	200	157	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11331.56	52.16	74.00	-21.84	38.92	9.14	38.90	34.80	Peak	200	156 HORIZONTAL
2	11348.92	40.46	54.00	-13.54	27.19	9.15	38.92	34.80	Average	200	156 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	11334.24	53.39	74.00	-20.61	40.15	9.14	38.90	34.80	Peak	200	154 VERTICAL
2	11340.00	40.72	54.00	-13.28	27.48	9.14	38.90	34.80	Average	200	154 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	15869.76	42.41	54.00	-11.59	29.18	10.81	37.77	35.35	Average	200	187 HORIZONTAL
2	15870.04	54.12	74.00	-19.88	40.89	10.81	37.77	35.35	Peak	200	187 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	15869.72	54.91	74.00	-19.09	41.68	10.81	37.77	35.35	Peak	200	167 VERTICAL
2	15869.92	42.91	54.00	-11.09	29.68	10.81	37.77	35.35	Average	200	167 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11059.71	39.97	54.00	-14.03	27.21	8.97	38.58	34.79	Average	200	104 HORIZONTAL
2	11060.22	52.00	74.00	-22.00	39.24	8.97	38.58	34.79	Peak	200	104 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	11059.50	39.90	54.00	-14.10	27.14	8.97	38.58	34.79	Average	200	63 VERTICAL
2	11059.92	52.97	74.00	-21.03	40.21	8.97	38.58	34.79	Peak	200	63 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
1	11219.59	39.72	54.00	-14.28	26.68	9.07	38.76	34.79	Average	200	82	HORIZONTAL
2	11220.09	52.06	74.00	-21.94	39.02	9.07	38.76	34.79	Peak	200	82	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	11220.17	39.65	54.00	-14.35	26.61	9.07	38.76	34.79	Average	200	197	VERTICAL
2	11220.17	51.57	74.00	-22.43	38.53	9.07	38.76	34.79	Peak	200	197	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11435.24	54.50	74.00	-19.50	41.07	9.21	39.02	34.80	Peak	200	301	HORIZONTAL
2	11440.56	40.77	54.00	-13.23	27.34	9.21	39.02	34.80	Average	200	301	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	11440.42	58.07	74.00	-15.93	44.64	9.21	39.02	34.80	Peak	200	252	VERTICAL
2	11440.72	44.02	54.00	-9.98	30.59	9.21	39.02	34.80	Average	200	252	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / 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	11440.90	53.01	74.00	-20.99	39.58	9.21	39.02	34.80	Peak	200	173 HORIZONTAL
2	11441.96	41.05	54.00	-12.95	27.62	9.21	39.02	34.80	Average	200	173 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	11437.90	53.88	74.00	-20.12	40.45	9.21	39.02	34.80	Peak	200	154 VERTICAL
2	11440.70	42.12	54.00	-11.88	28.69	9.21	39.02	34.80	Average	200	154 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11421.24	40.90	54.00	-13.10	27.50	9.20	39.00	34.80	Average	200	197 HORIZONTAL
2	11424.60	53.45	74.00	-20.55	40.05	9.20	39.00	34.80	Peak	200	197 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	11411.92	53.26	74.00	-20.74	39.89	9.19	38.98	34.80	Peak	200	111 VERTICAL
2	11415.12	41.57	54.00	-12.43	28.17	9.20	39.00	34.80	Average	200	111 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.51	40.51	54.00	-13.49	27.17	9.18	38.96	34.80	Average	200	121	HORIZONTAL
2	11380.34	52.82	74.00	-21.18	39.48	9.18	38.96	34.80	Peak	200	121	HORIZONTAL
3	17069.80	47.39	54.00	-6.61	29.32	12.39	40.36	34.68	Average	200	44	HORIZONTAL
4	17069.91	58.59	74.00	-15.41	40.52	12.39	40.36	34.68	Peak	200	44	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.65	52.21	74.00	-21.79	38.87	9.18	38.96	34.80	Peak	200	152	VERTICAL
2	11379.94	40.67	54.00	-13.33	27.33	9.18	38.96	34.80	Average	200	152	VERTICAL
3	17069.76	59.94	74.00	-14.06	41.87	12.39	40.36	34.68	Peak	200	177	VERTICAL
4	17069.89	46.90	54.00	-7.10	28.83	12.39	40.36	34.68	Average	200	177	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 52 / 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	15781.85	56.86	74.00	-17.14	43.49	10.80	37.89	35.32	Peak	157	80	HORIZONTAL
2	15782.74	43.52	54.00	-10.48	30.15	10.80	37.89	35.32	Average	157	80	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	15776.44	56.17	74.00	-17.83	42.77	10.80	37.91	35.31	Peak	148	197	VERTICAL
2	15783.21	43.50	54.00	-10.50	30.13	10.80	37.89	35.32	Average	148	197	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	10593.92	47.18	54.00	-6.82	34.94	8.62	38.58	34.96 Average	133	313	HORIZONTAL
2	10594.36	59.85	74.00	-14.15	47.61	8.62	38.58	34.96 Peak	133	313	HORIZONTAL
3	15902.82	44.08	54.00	-9.92	30.91	10.81	37.72	35.36 Average	154	233	HORIZONTAL
4	15904.57	57.00	74.00	-17.00	43.83	10.81	37.72	35.36 Peak	154	233	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	10601.52	55.71	74.00	-18.29	43.44	8.64	38.58	34.95 Peak	137	316	VERTICAL
2	10601.81	43.24	54.00	-10.76	30.97	8.64	38.58	34.95 Average	137	316	VERTICAL
3	15895.24	43.87	54.00	-10.13	30.68	10.81	37.74	35.36 Average	173	180	VERTICAL
4	15899.70	56.86	74.00	-17.14	43.67	10.81	37.74	35.36 Peak	173	180	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	10644.92	59.75	74.00	-14.25	47.46	8.66	38.57	34.94	169	45	HORIZONTAL
2	10646.15	47.65	54.00	-6.35	35.36	8.66	38.57	34.94	169	45	HORIZONTAL
3	15955.86	43.18	54.00	-10.82	30.11	10.82	37.65	35.40	166	242	HORIZONTAL
4	15961.59	56.48	74.00	-17.52	43.41	10.82	37.65	35.40	166	242	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	10637.32	44.26	54.00	-9.74	31.97	8.66	38.57	34.94	144	299	VERTICAL
2	10640.14	55.48	74.00	-18.52	43.19	8.66	38.57	34.94	144	299	VERTICAL
3	15955.60	56.38	74.00	-17.62	43.30	10.82	37.65	35.39	193	117	VERTICAL
4	15957.51	43.40	54.00	-10.60	30.33	10.82	37.65	35.40	193	117	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	10999.78	45.04	54.00	-8.96	32.40	8.93	38.50	34.79	Average	228	304	HORIZONTAL
2	11001.59	56.93	74.00	-17.07	44.29	8.93	38.50	34.79	Peak	228	304	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	10996.82	53.81	74.00	-20.19	41.17	8.93	38.50	34.79	Peak	224	5	VERTICAL
2	11000.14	41.51	54.00	-12.49	28.87	8.93	38.50	34.79	Average	224	5	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	11162.68	60.67	74.00	-13.33	47.72	9.04	38.70	34.79	Peak	220	304
2	11164.05	47.63	54.00	-6.37	34.68	9.04	38.70	34.79	Average	220	304

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	11162.03	45.35	54.00	-8.65	32.40	9.04	38.70	34.79	Average	217	35
2	11162.75	57.29	74.00	-16.71	44.34	9.04	38.70	34.79	Peak	217	35

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	11398.05	46.52	54.00	-7.48	33.15	9.19	38.98	34.80	Average	208	351 HORIZONTAL
2	11400.07	58.77	74.00	-15.23	45.40	9.19	38.98	34.80	Peak	208	351 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	11394.43	55.05	74.00	-18.95	41.71	9.18	38.96	34.80	Peak	208	18 VERTICAL
2	11403.18	43.37	54.00	-10.63	30.00	9.19	38.98	34.80	Average	208	18 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15776.15	56.64	74.00	-17.36	43.24	10.80	37.91	35.31	Peak	172	263	HORIZONTAL
2	15781.74	43.42	54.00	-10.58	30.05	10.80	37.89	35.32	Average	172	263	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	15780.90	56.78	74.00	-17.22	43.39	10.80	37.91	35.32	Peak	190	311	VERTICAL
2	15783.88	43.49	54.00	-10.51	30.12	10.80	37.89	35.32	Average	190	311	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10602.82	60.76	74.00	-13.24	48.49	8.64	38.58	34.95	Peak	163	46 HORIZONTAL
2	10603.62	48.08	54.00	-5.92	35.81	8.64	38.58	34.95	Average	163	46 HORIZONTAL
3	15901.37	57.62	74.00	-16.38	44.45	10.81	37.72	35.36	Peak	179	220 HORIZONTAL
4	15903.84	43.85	54.00	-10.15	30.68	10.81	37.72	35.36	Average	179	220 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	10597.03	43.33	54.00	-10.67	31.07	8.64	38.58	34.96	Average	176	45 VERTICAL
2	10599.28	56.04	74.00	-17.96	43.78	8.64	38.58	34.96	Peak	176	45 VERTICAL
3	15900.20	43.91	54.00	-10.09	30.72	10.81	37.74	35.36	Average	156	128 VERTICAL
4	15903.20	57.06	74.00	-16.94	43.89	10.81	37.72	35.36	Peak	156	128 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10645.86	46.05	54.00	-7.95	33.76	8.66	38.57	34.94	Average	167	45	HORIZONTAL
2	10647.16	59.70	74.00	-14.30	47.41	8.66	38.57	34.94	Peak	167	45	HORIZONTAL
3	15959.14	43.29	54.00	-10.71	30.22	10.82	37.65	35.40	Average	150	197	HORIZONTAL
4	15964.34	56.78	74.00	-17.22	43.71	10.82	37.65	35.40	Peak	150	197	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.88	54.63	74.00	-19.37	42.34	8.66	38.57	34.94	Peak	158	313	VERTICAL
2	10638.63	42.46	54.00	-11.54	30.17	8.66	38.57	34.94	Average	158	313	VERTICAL
3	15959.56	56.31	74.00	-17.69	43.24	10.82	37.65	35.40	Peak	188	177	VERTICAL
4	15961.44	43.51	54.00	-10.49	30.44	10.82	37.65	35.40	Average	188	177	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	11002.53	58.41	74.00	-15.59	45.77	8.93	38.50	34.79	Peak	165	46 HORIZONTAL
2	11003.83	47.62	54.00	-6.38	34.98	8.93	38.50	34.79	Average	165	46 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	10998.34	56.40	74.00	-17.60	43.76	8.93	38.50	34.79	Peak	170	133 VERTICAL
2	11002.68	43.72	54.00	-10.28	31.08	8.93	38.50	34.79	Average	170	133 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11160.68	61.24	74.00	-12.76	48.29	9.04	38.70	34.79	Peak	156	316 HORIZONTAL
2	11162.93	49.46	54.00	-4.54	36.51	9.04	38.70	34.79	Average	156	316 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	11159.07	59.25	74.00	-14.75	46.30	9.04	38.70	34.79	Peak	141	40 VERTICAL
2	11163.76	45.36	54.00	-8.64	32.41	9.04	38.70	34.79	Average	141	40 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11398.70	55.47	74.00	-18.53	42.10	9.19	38.98	34.80	Peak	149	6 HORIZONTAL
2	11400.36	43.44	54.00	-10.56	30.07	9.19	38.98	34.80	Average	149	6 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	11398.13	54.53	74.00	-19.47	41.16	9.19	38.98	34.80	Peak	203	227 VERTICAL
2	11399.42	42.31	54.00	-11.69	28.94	9.19	38.98	34.80	Average	203	227 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15807.47	43.57	54.00	-10.43	30.23	10.80	37.87	35.33	Average	157	204 HORIZONTAL
2	15812.10	56.68	74.00	-17.32	43.34	10.80	37.87	35.33	Peak	157	204 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	15812.94	43.45	54.00	-10.55	30.11	10.80	37.87	35.33	Average	165	311 VERTICAL
2	15813.17	57.80	74.00	-16.20	44.46	10.80	37.87	35.33	Peak	165	311 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10618.18	41.33	54.00	-12.67	29.05	8.65	38.58	34.95	Average	182	70 HORIZONTAL
2	10619.84	53.40	74.00	-20.60	41.12	8.65	38.58	34.95	Peak	182	70 HORIZONTAL
3	15933.23	56.17	74.00	-17.83	43.05	10.81	37.70	35.39	Peak	182	286 HORIZONTAL
4	15934.66	43.38	54.00	-10.62	30.29	10.81	37.67	35.39	Average	182	286 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	10623.50	53.15	74.00	-20.85	40.87	8.65	38.58	34.95	Peak	165	92 VERTICAL
2	10624.82	40.74	54.00	-13.26	28.46	8.65	38.58	34.95	Average	165	92 VERTICAL
3	15925.59	56.82	74.00	-17.18	43.69	10.81	37.70	35.38	Peak	155	165 VERTICAL
4	15932.03	43.34	54.00	-10.66	30.22	10.81	37.70	35.39	Average	155	165 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11019.45	40.82	54.00	-13.18	28.15	8.94	38.52	34.79	Average	170	290 HORIZONTAL
2	11023.37	54.54	74.00	-19.46	41.84	8.95	38.54	34.79	Peak	170	290 HORIZONTAL

Vertical

	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	11016.06	54.05	74.00	-19.95	41.38	8.94	38.52	34.79	Peak	162	105 VERTICAL
2	11022.23	41.01	54.00	-12.99	28.31	8.95	38.54	34.79	Average	162	105 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11096.67	57.66	74.00	-16.34	44.84	8.99	38.62	34.79	Peak	182	33	HORIZONTAL
2	11099.78	44.80	54.00	-9.20	31.98	8.99	38.62	34.79	Average	182	33	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	11105.93	54.82	74.00	-19.18	42.00	8.99	38.62	34.79	Peak	191	40	VERTICAL
2	11106.22	43.26	54.00	-10.74	30.44	8.99	38.62	34.79	Average	191	40	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11339.57	44.69	54.00	-9.31	31.45	9.14	38.90	34.80	Average	184	316 HORIZONTAL
2	11350.06	57.60	74.00	-16.40	44.33	9.15	38.92	34.80	Peak	184	316 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	11343.83	54.25	74.00	-19.75	41.01	9.14	38.90	34.80	Peak	141	272 VERTICAL
2	11346.01	42.65	54.00	-11.35	29.38	9.15	38.92	34.80	Average	141	272 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15865.21	44.22	54.00	-9.78	30.97	10.81	37.79	35.35	Average	147	175	HORIZONTAL
2	15871.53	56.99	74.00	-17.01	43.76	10.81	37.77	35.35	Peak	147	175	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15866.77	44.16	54.00	-9.84	30.93	10.81	37.77	35.35	Average	174	259	VERTICAL
2	15874.36	56.73	74.00	-17.27	43.50	10.81	37.77	35.35	Peak	174	259	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11055.17	53.80	74.00	-20.20	41.07	8.96	38.56	34.79	Peak	220	24	HORIZONTAL
2	11059.22	41.54	54.00	-12.46	28.78	8.97	38.58	34.79	Average	220	24	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	11060.67	54.75	74.00	-19.25	41.99	8.97	38.58	34.79	Peak	131	163	VERTICAL
2	11064.37	41.38	54.00	-12.62	28.62	8.97	38.58	34.79	Average	131	163	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11215.08	55.84	74.00	-18.16	42.80	9.07	38.76	34.79	Peak	169	350	HORIZONTAL
2	11219.64	43.84	54.00	-10.16	30.80	9.07	38.76	34.79	Average	169	350	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	11221.25	54.73	74.00	-19.27	41.69	9.07	38.76	34.79	Peak	184	172	VERTICAL
2	11223.26	41.47	54.00	-12.53	28.43	9.07	38.76	34.79	Average	184	172	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11440.29	51.68	54.00	-2.32	38.25	9.21	39.02	34.80	Average	212	305	HORIZONTAL
2	11440.58	64.75	74.00	-9.25	51.32	9.21	39.02	34.80	Peak	212	305	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	11440.00	45.60	54.00	-8.40	32.17	9.21	39.02	34.80	Average	207	35	VERTICAL
2	11440.72	57.10	74.00	-16.90	43.67	9.21	39.02	34.80	Peak	207	35	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	11440.65	63.38	74.00	-10.62	49.95	9.21	39.02	34.80	Peak	176	312	HORIZONTAL
2	11442.24	50.05	54.00	-3.95	36.62	9.21	39.02	34.80	Average	176	312	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	11441.95	45.05	54.00	-8.95	31.62	9.21	39.02	34.80	Average	178	316	VERTICAL
2	11444.92	56.67	74.00	-17.33	43.24	9.21	39.02	34.80	Peak	178	316	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11419.93	47.33	54.00	-6.67	33.93	9.20	39.00	34.80	Average	134	316 HORIZONTAL
2	11420.07	59.13	74.00	-14.87	45.73	9.20	39.00	34.80	Peak	134	316 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	11419.93	45.27	54.00	-8.73	31.87	9.20	39.00	34.80	Average	136	41 VERTICAL
2	11420.22	57.59	74.00	-16.41	44.19	9.20	39.00	34.80	Peak	136	41 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11384.27	57.52	74.00	-16.48	44.18	9.18	38.96	34.80	Peak	169	319	HORIZONTAL
2	11384.92	45.40	54.00	-8.60	32.06	9.18	38.96	34.80	Average	169	319	HORIZONTAL
3	17067.21	47.23	54.00	-6.77	29.16	12.39	40.36	34.68	Average	157	191	HORIZONTAL
4	17071.59	61.29	74.00	-12.71	43.22	12.39	40.36	34.68	Peak	157	191	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	11372.18	55.60	74.00	-18.40	42.30	9.16	38.94	34.80	Peak	176	41	VERTICAL
2	11379.57	43.11	54.00	-10.89	29.77	9.18	38.96	34.80	Average	176	41	VERTICAL
3	17067.22	60.76	74.00	-13.24	42.69	12.39	40.36	34.68	Peak	140	143	VERTICAL
4	17073.34	47.28	54.00	-6.72	29.21	12.39	40.36	34.68	Average	140	143	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 52 / 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	15779.53	41.79	54.00	-12.21	28.40	10.80	37.91	35.32	Average	150	246 HORIZONTAL
2	15780.36	54.88	74.00	-19.12	41.49	10.80	37.91	35.32	Peak	150	246 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	15779.50	42.55	54.00	-11.45	29.16	10.80	37.91	35.32	Average	150	110 VERTICAL
2	15780.17	55.19	74.00	-18.81	41.80	10.80	37.91	35.32	Peak	150	110 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10600.24	43.02	54.00	-10.98	30.76	8.64	38.58	34.96	Average	153	11 HORIZONTAL
2	10600.48	54.94	74.00	-19.06	42.68	8.64	38.58	34.96	Peak	153	11 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	10601.68	43.08	54.00	-10.92	30.81	8.64	38.58	34.95	Average	148	347 VERTICAL
2	10601.92	54.45	74.00	-19.55	42.18	8.64	38.58	34.95	Peak	148	347 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10640.03	42.73	54.00	-11.27	30.44	8.66	38.57	34.94	Average	149	5	HORIZONTAL
2	10640.19	55.61	74.00	-18.39	43.32	8.66	38.57	34.94	Peak	149	5	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	10636.96	56.20	74.00	-17.80	43.91	8.66	38.57	34.94	Peak	148	336	VERTICAL
2	10637.92	43.69	54.00	-10.31	31.40	8.66	38.57	34.94	Average	148	336	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	11004.73	56.69	74.00	-17.31	44.02	8.94	38.52	34.79	Peak	134	61	HORIZONTAL
2	11005.85	44.69	54.00	-9.31	32.02	8.94	38.52	34.79	Average	134	61	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	11001.28	57.62	74.00	-16.38	44.98	8.93	38.50	34.79	Peak	141	345	VERTICAL
2	11001.92	44.77	54.00	-9.23	32.13	8.93	38.50	34.79	Average	141	345	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	11158.08	45.72	54.00	-8.28	32.77	9.04	38.70	34.79	Average	248	64 HORIZONTAL
2	11158.56	57.38	74.00	-16.62	44.43	9.04	38.70	34.79	Peak	248	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	11161.20	59.21	74.00	-14.79	46.26	9.04	38.70	34.79	Peak	176	343 VERTICAL
2	11162.00	45.98	54.00	-8.02	33.03	9.04	38.70	34.79	Average	176	343 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	
			Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11399.69	55.45	74.00	-18.55	42.08	9.19	38.98	34.80	Peak	154	310 HORIZONTAL
2	11400.02	42.64	54.00	-11.36	29.27	9.19	38.98	34.80	Average	154	310 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	11399.99	54.30	74.00	-19.70	40.93	9.19	38.98	34.80	Peak	150	297	VERTICAL
2	11400.04	42.35	54.00	-11.65	28.98	9.19	38.98	34.80	Average	150	297	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15779.96	55.81	74.00	-18.19	42.42	10.80	37.91	35.32	Peak	150	109	HORIZONTAL
2	15780.21	41.65	54.00	-12.35	28.26	10.80	37.91	35.32	Average	150	109	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	15779.51	42.39	54.00	-11.61	29.00	10.80	37.91	35.32	Average	150	214	VERTICAL
2	15780.10	54.62	74.00	-19.38	41.23	10.80	37.91	35.32	Peak	150	214	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10600.32	42.40	54.00	-11.60	30.14	8.64	38.58	34.96	143	11	HORIZONTAL
2	10600.80	54.39	74.00	-19.61	42.12	8.64	38.58	34.95	143	11	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	10600.02	42.99	54.00	-11.01	30.73	8.64	38.58	34.96	140	346	VERTICAL
2	10600.02	55.69	74.00	-18.31	43.43	8.64	38.58	34.96	140	346	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	10639.84	41.74	54.00	-12.26	29.45	8.66	38.57	34.94	Average	142	358 HORIZONTAL
2	10640.15	53.90	74.00	-20.10	41.61	8.66	38.57	34.94	Peak	142	358 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	10636.55	55.13	74.00	-18.87	42.84	8.66	38.57	34.94	Peak	149	337 VERTICAL
2	10636.88	42.44	54.00	-11.56	30.15	8.66	38.57	34.94	Average	149	337 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	11003.69	54.78	74.00	-19.22	42.14	8.93	38.50	34.79	Peak	129	61 HORIZONTAL
2	11006.01	43.97	54.00	-10.03	31.30	8.94	38.52	34.79	Average	129	61 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	11003.04	44.28	54.00	-9.72	31.64	8.93	38.50	34.79	Average	136	342 VERTICAL
2	11004.89	57.59	74.00	-16.41	44.92	8.94	38.52	34.79	Peak	136	342 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11157.44	57.28	74.00	-16.72	44.36	9.03	38.68	34.79	Peak	147	64 HORIZONTAL
2	11157.92	44.95	54.00	-9.05	32.00	9.04	38.70	34.79	Average	147	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	11152.15	56.58	74.00	-17.42	43.66	9.03	38.68	34.79	Peak	144	333 VERTICAL
2	11152.31	44.31	54.00	-9.69	31.39	9.03	38.68	34.79	Average	144	333 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11400.00	54.05	74.00	-19.95	40.68	9.19	38.98	34.80	Peak	150	163 HORIZONTAL
2	11400.12	41.16	54.00	-12.84	27.79	9.19	38.98	34.80	Average	150	163 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	11399.58	54.26	74.00	-19.74	40.89	9.19	38.98	34.80	Peak	152	268 VERTICAL
2	11400.10	41.67	54.00	-12.33	28.30	9.19	38.98	34.80	Average	152	268 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15810.27	41.62	54.00	-12.38	28.28	10.80	37.87	35.33	Average	150	163 HORIZONTAL
2	15810.33	54.80	74.00	-19.20	41.46	10.80	37.87	35.33	Peak	150	163 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	15809.68	41.71	54.00	-12.29	28.37	10.80	37.87	35.33	Average	150	94 VERTICAL
2	15809.94	54.66	74.00	-19.34	41.32	10.80	37.87	35.33	Peak	150	94 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.95	53.39	74.00	-20.61	41.11	8.65	38.58	34.95	Peak	150	139	HORIZONTAL
2	10620.19	39.85	54.00	-14.15	27.57	8.65	38.58	34.95	Average	150	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.64	40.18	54.00	-13.82	27.90	8.65	38.58	34.95	Average	150	215	VERTICAL
2	10620.32	53.30	74.00	-20.70	41.02	8.65	38.58	34.95	Peak	150	215	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	11019.70	40.45	54.00	-13.55	27.78	8.94	38.52	34.79	Average	150	315 HORIZONTAL
2	11020.31	53.51	74.00	-20.49	40.84	8.94	38.52	34.79	Peak	150	315 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	11019.89	53.26	74.00	-20.74	40.59	8.94	38.52	34.79	Peak	150	235 VERTICAL
2	11020.06	40.66	54.00	-13.34	27.99	8.94	38.52	34.79	Average	150	235 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11100.17	41.17	54.00	-12.83	28.35	8.99	38.62	34.79	Average	150	244	HORIZONTAL
2	11100.49	53.43	74.00	-20.57	40.61	8.99	38.62	34.79	Peak	150	244	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	11099.79	41.94	54.00	-12.06	29.12	8.99	38.62	34.79	Average	150	72	VERTICAL
2	11100.04	54.19	74.00	-19.81	41.37	8.99	38.62	34.79	Peak	150	72	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11339.56	53.25	74.00	-20.75	40.01	9.14	38.90	34.80	Peak	150	199 HORIZONTAL
2	11340.09	41.46	54.00	-12.54	28.22	9.14	38.90	34.80	Average	150	199 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	11339.56	54.54	74.00	-19.46	41.30	9.14	38.90	34.80	Peak	150	329 VERTICAL
2	11339.87	41.92	54.00	-12.08	28.68	9.14	38.90	34.80	Average	150	329 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.57	41.80	54.00	-12.20	28.57	10.81	37.77	35.35	Average	150	221	HORIZONTAL
2	15869.83	54.47	74.00	-19.53	41.24	10.81	37.77	35.35	Peak	150	221	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	15869.84	54.40	74.00	-19.60	41.17	10.81	37.77	35.35	Peak	150	324 VERTICAL
2	15870.03	41.92	54.00	-12.08	28.69	10.81	37.77	35.35	Average	150	324 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11060.03	53.03	74.00	-20.97	40.27	8.97	38.58	34.79	Peak	150	176	HORIZONTAL
2	11060.30	39.89	54.00	-14.11	27.13	8.97	38.58	34.79	Average	150	176	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	11059.58	53.00	74.00	-21.00	40.24	8.97	38.58	34.79	Peak	150	75	VERTICAL
2	11060.44	39.97	54.00	-14.03	27.21	8.97	38.58	34.79	Average	150	75	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11219.56	40.42	54.00	-13.58	27.38	9.07	38.76	34.79	Average	150	198	HORIZONTAL
2	11219.85	54.21	74.00	-19.79	41.17	9.07	38.76	34.79	Peak	150	198	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	11220.35	53.93	74.00	-20.07	40.89	9.07	38.76	34.79	Peak	150	288	VERTICAL
2	11220.48	40.60	54.00	-13.40	27.56	9.07	38.76	34.79	Average	150	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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 Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11445.53	56.53	74.00	-17.47	43.10	9.21	39.02	34.80	Peak	157	56 HORIZONTAL
2	11445.85	44.65	54.00	-9.35	31.22	9.21	39.02	34.80	Average	157	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	11441.68	56.90	74.00	-17.10	43.47	9.21	39.02	34.80	Peak	156	324 VERTICAL
2	11442.00	43.89	54.00	-10.11	30.46	9.21	39.02	34.80	Average	156	324 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11442.40	57.38	74.00	-16.62	43.95	9.21	39.02	34.80	Peak	162	62	HORIZONTAL
2	11443.53	44.66	54.00	-9.34	31.23	9.21	39.02	34.80	Average	162	62	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.07	43.66	54.00	-10.34	30.23	9.21	39.02	34.80	Average	154	324	VERTICAL
2	11440.25	56.63	74.00	-17.37	43.20	9.21	39.02	34.80	Peak	154	324	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11419.72	43.91	54.00	-10.09	30.51	9.20	39.00	34.80	Average	151	56 HORIZONTAL
2	11419.80	55.35	74.00	-18.65	41.95	9.20	39.00	34.80	Peak	151	56 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	11419.51	55.05	74.00	-18.95	41.65	9.20	39.00	34.80	Peak	174	321 VERTICAL
2	11420.07	43.54	54.00	-10.46	30.14	9.20	39.00	34.80	Average	174	321 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11379.68	54.09	74.00	-19.91	40.75	9.18	38.96	34.80	Peak	150	90	HORIZONTAL
2	11380.33	41.19	54.00	-12.81	27.85	9.18	38.96	34.80	Average	150	90	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	11380.08	53.78	74.00	-20.22	40.44	9.18	38.96	34.80	Peak	150	161	VERTICAL
2	11380.13	41.38	54.00	-12.62	28.04	9.18	38.96	34.80	Average	150	161	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 52 / 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	15775.51	56.82	74.00	-17.18	43.12	9.92	38.60	34.82	214	165	Peak	HORIZONTAL
2	15788.75	43.44	54.00	-10.56	29.72	9.93	38.63	34.84	214	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	15775.54	56.57	74.00	-17.43	42.87	9.92	38.60	34.82	185	165	Peak	VERTICAL
2	15780.16	44.39	54.00	-9.61	30.71	9.92	38.60	34.84	185	165	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10600.00	51.57	54.00	-2.43	39.92	7.82	38.78	34.95	43	181	Average	HORIZONTAL
2	10600.77	65.28	74.00	-8.72	53.61	7.82	38.78	34.93	43	181	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	10600.00	52.93	54.00	-1.07	41.28	7.82	38.78	34.95	338	170	Average	VERTICAL
2	10600.77	66.52	74.00	-7.48	54.85	7.82	38.78	34.93	338	170	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10636.15	64.65	74.00	-9.35	52.98	7.81	38.77	34.91	61	163 Peak	HORIZONTAL
2	10637.82	51.93	54.00	-2.07	40.26	7.81	38.77	34.91	61	163 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	10637.82	51.83	54.00	-2.17	40.16	7.81	38.77	34.91	338	168 Average	VERTICAL
2	10640.64	64.34	74.00	-9.66	52.67	7.81	38.77	34.91	338	168 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	11001.28	66.94	74.00	-7.06	55.20	7.70	38.70	34.66	296	137	Peak	HORIZONTAL
2	11002.05	52.72	54.00	-1.28	40.98	7.70	38.70	34.66	296	137	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	10997.50	51.26	54.00	-2.74	39.52	7.70	38.70	34.66	315	129	Average	VERTICAL
2	10997.56	64.02	74.00	-9.98	52.28	7.70	38.70	34.66	315	129	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	11162.76	52.81	54.00	-1.19	41.18	7.58	38.70	34.65	297	145 Average	HORIZONTAL
2	11162.82	67.29	74.00	-6.71	55.66	7.58	38.70	34.65	297	145 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	11160.13	51.71	54.00	-2.29	40.08	7.58	38.70	34.65	323	200 Average	VERTICAL
2	11160.64	66.37	74.00	-7.63	54.74	7.58	38.70	34.65	323	200 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	11399.81	47.87	54.00	-6.13	36.40	7.40	38.70	34.63	60	144 Average	HORIZONTAL
2	11400.71	61.11	74.00	-12.89	49.64	7.40	38.70	34.63	60	144 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	11396.35	57.77	74.00	-16.23	46.30	7.40	38.70	34.63	359	131 Peak	VERTICAL
2	11397.76	45.96	54.00	-8.04	34.49	7.40	38.70	34.63	359	131 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15773.08	55.98	74.00	-18.02	42.28	9.92	38.60	34.82	174	176	Peak	HORIZONTAL
2	15781.92	43.21	54.00	-10.79	29.49	9.93	38.63	34.84	174	176	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	15784.10	43.27	54.00	-10.73	29.55	9.93	38.63	34.84	140	176	Average	VERTICAL
2	15799.55	56.09	74.00	-17.91	42.33	9.94	38.66	34.84	140	176	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10597.31	52.88	54.00	-1.12	41.23	7.82	38.78	34.95	63	164	Average	HORIZONTAL
2	10598.08	67.31	74.00	-6.69	55.66	7.82	38.78	34.95	63	164	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	10598.08	67.97	74.00	-6.03	56.32	7.82	38.78	34.95	339	169	Peak	VERTICAL
2	10599.74	51.98	54.00	-2.02	40.33	7.82	38.78	34.95	339	169	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	10634.10	63.06	74.00	-10.94	51.39	7.81	38.77	289	143	Peak	HORIZONTAL
2	10636.15	49.52	54.00	-4.48	37.85	7.81	38.77	289	143	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	10637.82	64.15	74.00	-9.85	52.48	7.81	38.77	339	167	Peak	VERTICAL
2	10639.62	50.55	54.00	-3.45	38.88	7.81	38.77	339	167	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	11002.50	66.91	74.00	-7.09	55.17	7.70	38.70	34.66	295	107	Peak	HORIZONTAL
2	11003.85	52.17	54.00	-1.83	40.43	7.70	38.70	34.66	295	107	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	10994.07	50.67	54.00	-3.33	38.93	7.70	38.70	34.66	321	126	Average	VERTICAL
2	10994.33	64.55	74.00	-9.45	52.81	7.70	38.70	34.66	321	126	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11162.32	66.94	74.00	-7.06	55.31	7.58	38.70	34.65	298	145	Peak	HORIZONTAL
2	11163.45	52.76	54.00	-1.24	41.13	7.58	38.70	34.65	298	145	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	11160.08	50.76	54.00	-3.24	39.13	7.58	38.70	34.65	324	237	Average	VERTICAL
2	11160.72	63.46	74.00	-10.54	51.83	7.58	38.70	34.65	324	237	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11399.20	44.45	54.00	-9.55	32.98	7.40	38.70	34.63	60	152	Average	HORIZONTAL
2	11399.84	57.28	74.00	-16.72	45.81	7.40	38.70	34.63	60	152	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	11396.96	42.87	54.00	-11.13	31.40	7.40	38.70	34.63	360	169	Average	VERTICAL
2	11398.08	56.91	74.00	-17.09	45.44	7.40	38.70	34.63	360	169	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15795.98	43.07	54.00	-10.93	29.35	9.93	38.63	34.84	187	178 Average	HORIZONTAL
2	15831.31	55.65	74.00	-18.35	41.90	9.95	38.69	34.89	187	178 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	15800.87	43.15	54.00	-10.85	29.39	9.94	38.66	34.84	144	157 Average	VERTICAL
2	15805.11	55.66	74.00	-18.34	41.93	9.94	38.66	34.87	144	157 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10613.99	41.24	54.00	-12.76	29.58	7.81	38.78	34.93	303	166 Average	HORIZONTAL
2	10642.44	53.65	74.00	-20.35	41.98	7.81	38.77	34.91	303	166 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	10611.35	41.08	54.00	-12.92	29.41	7.82	38.78	34.93	258	181 Average	VERTICAL
2	10636.27	53.78	74.00	-20.22	42.11	7.81	38.77	34.91	258	181 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	10611.11	40.79	54.00	-13.21	29.12	7.82	38.78	34.93	46	150 Average	HORIZONTAL
2	10614.71	53.19	74.00	-20.81	41.53	7.81	38.78	34.93	46	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	10595.40	53.40	74.00	-20.60	41.75	7.82	38.78	34.95	104	150 Peak	VERTICAL
2	10634.50	40.64	54.00	-13.36	28.97	7.81	38.77	34.91	104	150 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11081.25	53.71	74.00	-20.29	42.02	7.64	38.70	34.65	153	150	Peak	HORIZONTAL
2	11093.43	40.47	54.00	-13.53	28.79	7.63	38.70	34.65	153	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	11102.72	40.35	54.00	-13.65	28.67	7.63	38.70	34.65	88	150	Average	VERTICAL
2	11114.50	52.96	74.00	-21.04	41.30	7.61	38.70	34.65	88	150	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11351.94	53.20	74.00	-20.80	41.69	7.44	38.70	34.63	142	150 Peak	HORIZONTAL
2	11364.92	40.47	54.00	-13.53	28.97	7.43	38.70	34.63	142	150 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	11321.57	53.10	74.00	-20.90	41.56	7.47	38.70	34.63	195	150 Peak	VERTICAL
2	11358.19	40.28	54.00	-13.72	28.77	7.44	38.70	34.63	195	150 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	15867.04	56.10	74.00	-17.90	42.25	9.98	38.78	34.91	226	150	Peak	HORIZONTAL
2	15892.44	43.29	54.00	-10.71	29.42	9.99	38.81	34.93	226	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	15888.11	56.83	74.00	-17.17	42.96	9.99	38.81	34.93	195	150	Peak	VERTICAL
2	15894.76	43.22	54.00	-10.78	29.35	9.99	38.81	34.93	195	150	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11047.58	53.12	74.00	-20.88	41.42	7.66	38.70	34.66	230	150	Peak	HORIZONTAL
2	11073.78	40.20	54.00	-13.80	28.51	7.64	38.70	34.65	230	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	11070.18	40.29	54.00	-13.71	28.59	7.65	38.70	34.65	201	150	Average	VERTICAL
2	11083.00	53.25	74.00	-20.75	41.56	7.64	38.70	34.65	201	150	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11232.82	40.06	54.00	-13.94	28.47	7.53	38.70	34.64	238	150	Average	HORIZONTAL
2	11235.79	52.87	74.00	-21.13	41.28	7.53	38.70	34.64	238	150	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	11202.77	40.15	54.00	-13.85	28.54	7.55	38.70	34.64	273	150	Average	VERTICAL
2	11220.64	53.22	74.00	-20.78	41.62	7.54	38.70	34.64	273	150	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11431.73	46.84	54.00	-7.16	35.39	7.38	38.70	34.63	291	179	Average	HORIZONTAL
2	11432.69	59.68	74.00	-14.32	48.23	7.38	38.70	34.63	291	179	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	11436.28	47.93	54.00	-6.07	36.48	7.38	38.70	34.63	359	179	Average	VERTICAL
2	11436.41	60.28	74.00	-13.72	48.83	7.38	38.70	34.63	359	179	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / 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	11439.12	61.04	74.00	-12.96	49.59	7.38	38.70	34.63	60	146	Peak	HORIZONTAL
2	11439.20	48.06	54.00	-5.94	36.61	7.38	38.70	34.63	60	146	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	11438.80	60.57	74.00	-13.43	49.12	7.38	38.70	34.63	60	149	Peak	VERTICAL
2	11439.68	47.80	54.00	-6.20	36.35	7.38	38.70	34.63	60	149	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11419.28	61.39	74.00	-12.61	49.93	7.39	38.70	34.63	61	148 Peak	HORIZONTAL
2	11419.68	49.34	54.00	-4.66	37.88	7.39	38.70	34.63	61	148 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	11416.15	46.81	54.00	-7.19	35.35	7.39	38.70	34.63	360	184 Average	VERTICAL
2	11416.47	59.89	74.00	-14.11	48.43	7.39	38.70	34.63	360	184 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11378.96	58.79	74.00	-15.21	47.30	7.42	38.70	34.63	62	150	Peak	HORIZONTAL
2	11379.84	46.35	54.00	-7.65	34.86	7.42	38.70	34.63	62	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	11363.33	40.39	54.00	-13.61	28.89	7.43	38.70	34.63	79	156	Average	VERTICAL
2	11391.38	54.14	74.00	-19.86	42.65	7.42	38.70	34.63	79	156	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / 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	15779.82	57.26	74.00	-16.74	43.87	10.80	37.91	35.32	Peak	161	102 HORIZONTAL
2	15780.04	44.13	54.00	-9.87	30.74	10.80	37.91	35.32	Average	161	102 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	15780.02	44.09	54.00	-9.91	30.70	10.80	37.91	35.32	Average	154	123 VERTICAL
2	15780.80	56.56	74.00	-17.44	43.17	10.80	37.91	35.32	Peak	154	123 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10599.90	44.03	54.00	-9.97	31.77	8.64	38.58	34.96	Average	141	231 HORIZONTAL
2	10599.94	54.69	74.00	-19.31	42.43	8.64	38.58	34.96	Peak	141	231 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	10600.31	42.46	54.00	-11.54	30.20	8.64	38.58	34.96	Average	141	166 VERTICAL
2	10600.44	55.37	74.00	-18.63	43.11	8.64	38.58	34.96	Peak	141	166 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10640.03	43.65	54.00	-10.35	31.36	8.66	38.57	34.94	Average	141	168 HORIZONTAL
2	10640.43	55.98	74.00	-18.02	43.69	8.66	38.57	34.94	Peak	141	168 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	10639.75	41.25	54.00	-12.75	28.96	8.66	38.57	34.94	Average	146	348 VERTICAL
2	10639.89	54.29	74.00	-19.71	42.00	8.66	38.57	34.94	Peak	146	348 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	10999.92	43.29	54.00	-10.71	30.65	8.93	38.50	34.79	Average	110	243	HORIZONTAL
2	11000.58	55.57	74.00	-18.43	42.93	8.93	38.50	34.79	Peak	110	243	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	10999.24	54.61	74.00	-19.39	41.97	8.93	38.50	34.79	Peak	122	84 VERTICAL
2	10999.78	41.64	54.00	-12.36	29.00	8.93	38.50	34.79	Average	122	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	11159.39	42.77	54.00	-11.23	29.82	9.04	38.70	34.79	Average	135	237	HORIZONTAL
2	11159.75	56.12	74.00	-17.88	43.17	9.04	38.70	34.79	Peak	135	237	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	11159.17	54.89	74.00	-19.11	41.94	9.04	38.70	34.79	Peak	126	90 VERTICAL
2	11160.11	41.90	54.00	-12.10	28.95	9.04	38.70	34.79	Average	126	90 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	11399.77	55.68	74.00	-18.32	42.31	9.19	38.98	34.80	Peak	149	44 HORIZONTAL
2	11401.00	42.64	54.00	-11.36	29.27	9.19	38.98	34.80	Average	149	44 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	11399.73	41.04	54.00	-12.96	27.67	9.19	38.98	34.80	Average	152	91 VERTICAL
2	11400.46	55.11	74.00	-18.89	41.74	9.19	38.98	34.80	Peak	152	91 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	dB	dB/m	dB	cm	deg	
1	15779.91	44.41	54.00	-9.59	31.02	10.80	37.91	35.32	145	324	HORIZONTAL
2	15780.97	57.13	74.00	-16.87	43.74	10.80	37.91	35.32	145	324	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	15779.85	44.31	54.00	-9.69	30.92	10.80	37.91	35.32	140	126	VERTICAL
2	15779.86	56.92	74.00	-17.08	43.53	10.80	37.91	35.32	140	126	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	dB	dB/m	dB	cm	deg	
1	10599.13	44.78	54.00	-9.22	32.52	8.64	38.58	34.96	149	236	HORIZONTAL
2	10599.91	55.86	74.00	-18.14	43.60	8.64	38.58	34.96	149	236	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	10600.36	41.71	54.00	-12.29	29.45	8.64	38.58	34.96	149	189	VERTICAL
2	10600.65	54.10	74.00	-19.90	41.84	8.64	38.58	34.96	149	189	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	10639.03	56.31	74.00	-17.69	44.02	8.66	38.57	34.94	Peak	153	236 HORIZONTAL
2	10639.73	44.64	54.00	-9.36	32.35	8.66	38.57	34.94	Average	153	236 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	10640.23	42.23	54.00	-11.77	29.94	8.66	38.57	34.94	Average	156	112 VERTICAL
2	10640.85	53.41	74.00	-20.59	41.12	8.66	38.57	34.94	Peak	156	112 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	dB	dB/m	dB	cm	deg	
1	10999.99	42.98	54.00	-11.02	30.34	8.93	38.50	34.79	149	297	HORIZONTAL
2	11000.17	53.77	74.00	-20.23	41.13	8.93	38.50	34.79	149	297	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	10999.19	40.88	54.00	-13.12	28.24	8.93	38.50	34.79	153	252	VERTICAL
2	10999.57	53.83	74.00	-20.17	41.19	8.93	38.50	34.79	153	252	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11159.09	54.35	74.00	-19.65	41.40	9.04	38.70	34.79	Peak	164	187 HORIZONTAL
2	11159.32	42.03	54.00	-11.97	29.08	9.04	38.70	34.79	Average	164	187 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	11159.42	53.67	74.00	-20.33	40.72	9.04	38.70	34.79	Peak	146	178 VERTICAL
2	11159.87	41.43	54.00	-12.57	28.48	9.04	38.70	34.79	Average	146	178 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11400.40	54.73	74.00	-19.27	41.36	9.19	38.98	34.80	Peak	150	110 HORIZONTAL
2	11400.78	42.88	54.00	-11.12	29.51	9.19	38.98	34.80	Average	150	110 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	11400.69	54.64	74.00	-19.36	41.27	9.19	38.98	34.80	Peak	143	84 VERTICAL
2	11400.94	41.57	54.00	-12.43	28.20	9.19	38.98	34.80	Average	143	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15809.10	57.00	74.00	-17.00	43.66	10.80	37.87	35.33	Peak	143	155	HORIZONTAL
2	15810.03	44.17	54.00	-9.83	30.83	10.80	37.87	35.33	Average	143	155	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	15809.28	57.12	74.00	-16.88	43.78	10.80	37.87	35.33	Peak	141	102	VERTICAL
2	15810.52	44.15	54.00	-9.85	30.81	10.80	37.87	35.33	Average	141	102	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10619.60	42.03	54.00	-11.97	29.75	8.65	38.58	34.95	Average	140	193 HORIZONTAL
2	10619.88	55.69	74.00	-18.31	43.41	8.65	38.58	34.95	Peak	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	10620.20	40.90	54.00	-13.10	28.62	8.65	38.58	34.95	Average	144	234 VERTICAL
2	10620.41	53.30	74.00	-20.70	41.02	8.65	38.58	34.95	Peak	144	234 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	Pol/Phase
1	11019.03	40.42	54.00	-13.58	27.75	8.94	38.52	34.79	Average	138	321	HORIZONTAL
2	11019.30	53.37	74.00	-20.63	40.70	8.94	38.52	34.79	Peak	138	321	HORIZONTAL

Vertical

	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
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11019.48	53.31	74.00	-20.69	40.64	8.94	38.52	34.79	Peak	133	166 VERTICAL
2	11020.84	40.57	54.00	-13.43	27.90	8.94	38.52	34.79	Average	133	166 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	11099.59	42.63	54.00	-11.37	29.81	8.99	38.62	34.79	Average	156	360	HORIZONTAL
2	11099.71	54.10	74.00	-19.90	41.28	8.99	38.62	34.79	Peak	156	360	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	11099.43	55.23	74.00	-18.77	42.41	8.99	38.62	34.79	Peak	152	157 VERTICAL
2	11099.72	41.53	54.00	-12.47	28.71	8.99	38.62	34.79	Average	152	157 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11340.30	54.80	74.00	-19.20	41.56	9.14	38.90	34.80	Peak	142	156
2	11340.94	41.46	54.00	-12.54	28.22	9.14	38.90	34.80	Average	142	156

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	11339.58	54.31	74.00	-19.69	41.07	9.14	38.90	34.80	Peak	149	179
2	11340.63	41.47	54.00	-12.53	28.23	9.14	38.90	34.80	Average	149	179

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.22	57.22	74.00	-16.78	43.58	10.78	38.11	35.25	Peak	148	174	HORIZONTAL
2	15630.82	44.71	54.00	-9.29	31.07	10.78	38.11	35.25	Average	148	174	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.50	44.66	54.00	-9.34	31.02	10.78	38.11	35.25	Average	156	164	VERTICAL
2	15630.38	57.61	74.00	-16.39	43.97	10.78	38.11	35.25	Peak	156	164	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11059.56	40.94	54.00	-13.06	28.18	8.97	38.58	34.79	Average	140	162 HORIZONTAL
2	11060.09	54.32	74.00	-19.68	41.56	8.97	38.58	34.79	Peak	140	162 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	11059.24	53.52	74.00	-20.48	40.76	8.97	38.58	34.79	Peak	134	219 VERTICAL
2	11060.88	40.98	54.00	-13.02	28.22	8.97	38.58	34.79	Average	134	219 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11220.69	53.38	74.00	-20.62	40.34	9.07	38.76	34.79	Peak	147	126	HORIZONTAL
2	11220.94	41.85	54.00	-12.15	28.81	9.07	38.76	34.79	Average	147	126	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	11219.58	53.64	74.00	-20.36	40.60	9.07	38.76	34.79	Peak	152	180	VERTICAL
2	11220.96	40.75	54.00	-13.25	27.71	9.07	38.76	34.79	Average	152	180	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11439.07	44.11	54.00	-9.89	30.68	9.21	39.02	34.80	Average	147	264 HORIZONTAL
2	11440.11	56.61	74.00	-17.39	43.18	9.21	39.02	34.80	Peak	147	264 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	11439.74	56.26	74.00	-17.74	42.83	9.21	39.02	34.80	Peak	147	76 VERTICAL
2	11440.01	42.86	54.00	-11.14	29.43	9.21	39.02	34.80	Average	147	76 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / 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	dB	dB/m	dB	cm	deg	
1	11439.15	44.08	54.00	-9.92	30.65	9.21	39.02	34.80	143	136	HORIZONTAL
2	11440.64	55.11	74.00	-18.89	41.68	9.21	39.02	34.80	143	136	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	11439.19	54.92	74.00	-19.08	41.49	9.21	39.02	34.80	126	88	VERTICAL
2	11440.13	42.28	54.00	-11.72	28.85	9.21	39.02	34.80	126	88	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11420.76	55.49	74.00	-18.51	42.09	9.20	39.00	34.80	Peak	141	158	HORIZONTAL
2	11420.89	44.94	54.00	-9.06	31.54	9.20	39.00	34.80	Average	141	158	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	11419.04	42.30	54.00	-11.70	28.90	9.20	39.00	34.80	Average	144	130	VERTICAL
2	11420.28	55.22	74.00	-18.78	41.82	9.20	39.00	34.80	Peak	144	130	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11380.71	41.43	54.00	-12.57	28.09	9.18	38.96	34.80	Average	160	226	HORIZONTAL
2	11380.73	54.06	74.00	-19.94	40.72	9.18	38.96	34.80	Peak	160	226	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	11379.53	41.58	54.00	-12.42	28.24	9.18	38.96	34.80	Average	155	177	VERTICAL
2	11380.90	54.90	74.00	-19.10	41.56	9.18	38.96	34.80	Peak	155	177	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 52 / 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	15775.06	45.59	54.00	-8.41	31.89	9.92	38.60	34.82	245	165	Average	HORIZONTAL
2	15777.24	57.79	74.00	-16.21	44.09	9.92	38.60	34.82	245	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.04	45.61	54.00	-8.39	31.93	9.92	38.60	34.84	301	143	Average	VERTICAL
2	15784.84	58.11	74.00	-15.89	44.39	9.93	38.63	34.84	301	143	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10592.76	59.06	74.00	-14.94	47.41	7.82	38.78	34.95	17	163	Peak	HORIZONTAL
2	10593.84	46.41	54.00	-7.59	34.76	7.82	38.78	34.95	17	163	Average	HORIZONTAL
3	15895.28	58.10	74.00	-15.90	44.23	9.99	38.81	34.93	234	107	Peak	HORIZONTAL
4	15907.48	46.44	54.00	-7.56	32.55	10.00	38.84	34.95	234	107	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	10597.72	44.65	54.00	-9.35	33.00	7.82	38.78	34.95	28	142	Average	VERTICAL
2	10598.76	55.83	74.00	-18.17	44.18	7.82	38.78	34.95	28	142	Peak	VERTICAL
3	15900.24	58.31	74.00	-15.69	44.44	9.99	38.81	34.93	329	150	Peak	VERTICAL
4	15909.36	46.28	54.00	-7.72	32.39	10.00	38.84	34.95	329	150	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10633.92	55.44	74.00	-18.56	43.77	7.81	38.77	34.91	12	167	Peak	HORIZONTAL
2	10637.84	43.38	54.00	-10.62	31.71	7.81	38.77	34.91	12	167	Average	HORIZONTAL
3	15937.26	45.84	54.00	-8.16	31.88	10.03	38.91	34.98	265	170	Average	HORIZONTAL
4	15940.24	60.43	74.00	-13.57	46.47	10.03	38.91	34.98	265	170	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	10637.72	43.12	54.00	-10.88	31.45	7.81	38.77	34.91	348	142	Average	VERTICAL
2	10643.68	54.93	74.00	-19.07	43.26	7.81	38.77	34.91	348	142	Peak	VERTICAL
3	15936.14	46.13	54.00	-7.87	32.17	10.03	38.91	34.98	246	164	Average	VERTICAL
4	15939.18	58.04	74.00	-15.96	44.08	10.03	38.91	34.98	246	164	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	11005.80	53.03	74.00	-20.97	41.30	7.69	38.70	34.66	298	197	Peak	HORIZONTAL
2	11005.88	42.16	54.00	-11.84	30.43	7.69	38.70	34.66	298	197	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	11001.84	44.19	54.00	-9.81	32.45	7.70	38.70	34.66	343	168	Average	VERTICAL
2	11002.32	56.30	74.00	-17.70	44.56	7.70	38.70	34.66	343	168	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	11153.60	46.88	54.00	-7.12	35.24	7.59	38.70	34.65	310	176 Average	HORIZONTAL
2	11154.60	59.85	74.00	-14.15	48.21	7.59	38.70	34.65	310	176 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	11164.80	62.18	74.00	-11.82	50.55	7.58	38.70	34.65	341	168 Peak	VERTICAL
2	11166.00	49.77	54.00	-4.23	38.14	7.58	38.70	34.65	341	168 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	11397.90	41.46	54.00	-12.54	29.99	7.40	38.70	34.63	304	157	Average	HORIZONTAL
2	11423.40	52.70	74.00	-21.30	41.24	7.39	38.70	34.63	304	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11405.70	40.78	54.00	-13.22	29.31	7.40	38.70	34.63	93	215	Average	VERTICAL
2	11412.90	51.93	74.00	-22.07	40.47	7.39	38.70	34.63	93	215	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15735.04	58.09	74.00	-15.91	44.47	9.89	38.53	34.80	198	169	Peak	HORIZONTAL
2	15740.06	45.39	54.00	-8.61	31.77	9.89	38.53	34.80	198	169	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	15738.96	57.95	74.00	-16.05	44.33	9.89	38.53	34.80	137	144	Peak	VERTICAL
2	15739.28	45.25	54.00	-8.75	31.63	9.89	38.53	34.80	137	144	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10602.68	56.88	74.00	-17.12	45.21	7.82	38.78	34.93	341	167 Peak	HORIZONTAL
2	10603.84	44.46	54.00	-9.54	32.79	7.82	38.78	34.93	341	167 Average	HORIZONTAL
3	15896.08	46.33	54.00	-7.67	32.46	9.99	38.81	34.93	202	145 Average	HORIZONTAL
4	15903.76	59.38	74.00	-14.62	45.47	10.00	38.84	34.93	202	145 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	10600.60	56.57	74.00	-17.43	44.92	7.82	38.78	34.95	324	191 Peak	VERTICAL
2	10602.04	42.06	54.00	-11.94	30.39	7.82	38.78	34.93	324	191 Average	VERTICAL
3	15902.92	46.19	54.00	-7.81	32.28	10.00	38.84	34.93	288	150 Average	VERTICAL
4	15903.00	59.02	74.00	-14.98	45.11	10.00	38.84	34.93	288	150 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	10638.08	43.26	54.00	-10.74	31.59	7.81	38.77	34.91	11	181	Average	HORIZONTAL
2	10641.12	54.95	74.00	-19.05	43.28	7.81	38.77	34.91	11	181	Peak	HORIZONTAL
3	15958.24	46.06	54.00	-7.94	32.08	10.04	38.94	35.00	312	189	Average	HORIZONTAL
4	15968.68	59.05	74.00	-14.95	45.03	10.05	38.97	35.00	312	189	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	10637.64	53.41	74.00	-20.59	41.74	7.81	38.77	34.91	160	230	Peak	VERTICAL
2	10649.64	41.19	54.00	-12.81	29.53	7.80	38.77	34.91	160	230	Average	VERTICAL
3	15964.88	58.55	74.00	-15.45	44.57	10.04	38.94	35.00	262	101	Peak	VERTICAL
4	15967.80	46.07	54.00	-7.93	32.09	10.04	38.94	35.00	262	101	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	10990.56	43.03	54.00	-10.97	31.29	7.70	38.70	34.66	164	165	Average	HORIZONTAL
2	10991.60	54.21	74.00	-19.79	42.47	7.70	38.70	34.66	164	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	11000.20	42.01	54.00	-11.99	30.27	7.70	38.70	34.66	269	207	Average	VERTICAL
2	11008.84	54.22	74.00	-19.78	42.49	7.69	38.70	34.66	269	207	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11153.96	60.66	74.00	-13.34	49.02	7.59	38.70	34.65	309	144	Peak	HORIZONTAL
2	11154.60	46.96	54.00	-7.04	35.32	7.59	38.70	34.65	309	144	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	11164.88	61.48	74.00	-12.52	49.85	7.58	38.70	34.65	342	178	Peak	VERTICAL
2	11166.08	48.89	54.00	-5.11	37.26	7.58	38.70	34.65	342	178	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11391.64	39.93	54.00	-14.07	28.44	7.42	38.70	173	182	Average	HORIZONTAL
2	11409.88	52.96	74.00	-21.04	41.49	7.40	38.70	173	182	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11390.24	52.79	74.00	-21.21	41.30	7.42	38.70	125	164	Peak	VERTICAL
2	11410.00	40.09	54.00	-13.91	28.62	7.40	38.70	125	164	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15806.48	57.97	74.00	-16.03	44.24	9.94	38.66	34.87	242	125	Peak	HORIZONTAL
2	15816.32	45.90	54.00	-8.10	32.13	9.95	38.69	34.87	242	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	15816.12	58.76	74.00	-15.24	44.99	9.95	38.69	34.87	340	214	Peak	VERTICAL
2	15818.68	45.63	54.00	-8.37	31.86	9.95	38.69	34.87	340	214	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10617.16	41.11	54.00	-12.89	29.45	7.81	38.78	34.93	97	126	Average	HORIZONTAL
2	10622.00	54.41	74.00	-19.59	42.75	7.81	38.78	34.93	97	126	Peak	HORIZONTAL
3	15922.20	45.90	54.00	-8.10	31.95	10.02	38.88	34.95	157	180	Average	HORIZONTAL
4	15934.52	58.45	74.00	-15.55	44.49	10.03	38.91	34.98	157	180	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	10618.80	54.03	74.00	-19.97	42.37	7.81	38.78	34.93	157	182	Peak	VERTICAL
2	10619.80	41.22	54.00	-12.78	29.56	7.81	38.78	34.93	157	182	Average	VERTICAL
3	15926.20	45.95	54.00	-8.05	32.00	10.02	38.88	34.95	241	191	Average	VERTICAL
4	15934.92	58.53	74.00	-15.47	44.57	10.03	38.91	34.98	241	191	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11012.76	52.71	74.00	-21.29	40.98	7.69	38.70	34.66	65	148 Peak	HORIZONTAL
2	11012.96	40.07	54.00	-13.93	28.34	7.69	38.70	34.66	65	148 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11011.60	39.92	54.00	-14.08	28.19	7.69	38.70	34.66	192	167 Average	VERTICAL
2	11026.28	52.66	74.00	-21.34	40.94	7.68	38.70	34.66	192	167 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015 ~ Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11107.40	40.97	54.00	-13.03	29.31	7.61	38.70	34.65	180	147	Average	HORIZONTAL
2	11109.12	53.61	74.00	-20.39	41.95	7.61	38.70	34.65	180	147	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	11102.36	53.56	74.00	-20.44	41.88	7.63	38.70	34.65	106	179	Peak	VERTICAL
2	11103.60	40.86	54.00	-13.14	29.18	7.63	38.70	34.65	106	179	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	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	11344.24	40.23	54.00	-13.77	28.71	7.45	38.70	34.63	90	154 Average	HORIZONTAL
2	11347.92	53.16	74.00	-20.84	41.65	7.44	38.70	34.63	90	154 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	11332.44	52.83	74.00	-21.17	41.31	7.45	38.70	34.63	234	181 Peak	VERTICAL
2	11332.48	40.37	54.00	-13.63	28.85	7.45	38.70	34.63	234	181 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15869.96	58.08	74.00	-15.92	44.85	10.81	37.77	35.35	Peak	158	266
2	15870.03	46.38	54.00	-7.62	33.15	10.81	37.77	35.35	Average	158	266

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	15869.96	59.86	74.00	-14.14	46.63	10.81	37.77	35.35	Peak	143	164
2	15870.04	46.34	54.00	-7.66	33.11	10.81	37.77	35.35	Average	143	164

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11059.96	55.04	74.00	-18.96	42.28	8.97	38.58	34.79	Peak	139	195
2	11060.03	42.31	54.00	-11.69	29.55	8.97	38.58	34.79	Average	139	195

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	11060.00	42.23	54.00	-11.77	29.47	8.97	38.58	34.79	Average	181	306
2	11060.05	54.29	74.00	-19.71	41.53	8.97	38.58	34.79	Peak	181	306

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11216.88	41.91	54.00	-12.09	30.31	7.54	38.70	34.64	322	172	Average	HORIZONTAL
2	11220.10	53.52	74.00	-20.48	41.92	7.54	38.70	34.64	322	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	11215.26	41.00	54.00	-13.00	29.40	7.54	38.70	34.64	257	199	Average	VERTICAL
2	11220.92	53.58	74.00	-20.42	41.98	7.54	38.70	34.64	257	199	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11440.20	47.52	54.00	-6.48	36.07	7.38	38.70	34.63	13	222 Average	HORIZONTAL
2	11441.70	59.51	74.00	-14.49	48.06	7.38	38.70	34.63	13	222 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	11437.90	58.79	74.00	-15.21	47.34	7.38	38.70	34.63	325	227 Peak	VERTICAL
2	11439.90	47.74	54.00	-6.26	36.29	7.38	38.70	34.63	325	227 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / 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	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11439.88	46.70	54.00	-7.30	35.25	7.38	38.70	34.63	11	238 Average	HORIZONTAL
2	11440.04	58.73	74.00	-15.27	47.28	7.38	38.70	34.63	11	238 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11438.04	60.89	74.00	-13.11	49.44	7.38	38.70	34.63	327	227 Peak	VERTICAL
2	11438.48	46.97	54.00	-7.03	35.52	7.38	38.70	34.63	327	227 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11420.08	46.77	54.00	-7.23	35.31	7.39	38.70	34.63	350	228 Average	HORIZONTAL
2	11421.04	57.31	74.00	-16.69	45.85	7.39	38.70	34.63	350	228 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	11419.92	58.55	74.00	-15.45	47.09	7.39	38.70	34.63	326	235 Peak	VERTICAL
2	11419.92	47.38	54.00	-6.62	35.92	7.39	38.70	34.63	326	235 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11378.00	54.38	74.00	-19.62	42.88	7.43	38.70	34.63	300	160	Peak	HORIZONTAL
2	11378.86	42.21	54.00	-11.79	30.72	7.42	38.70	34.63	300	160	Average	HORIZONTAL
3	17069.56	62.47	74.00	-11.53	43.46	10.94	41.91	33.84	210	132	Peak	HORIZONTAL
4	17075.52	50.69	54.00	-3.31	31.66	10.94	41.93	33.84	210	132	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.92	41.16	54.00	-12.84	29.67	7.42	38.70	34.63	59	214	Average	VERTICAL
2	11383.68	52.97	74.00	-21.03	41.48	7.42	38.70	34.63	59	214	Peak	VERTICAL
3	17061.52	63.42	74.00	-10.58	44.41	10.94	41.91	33.84	281	154	Peak	VERTICAL
4	17068.64	50.83	54.00	-3.17	31.82	10.94	41.91	33.84	281	154	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 52 / 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	15775.85	44.37	54.00	-9.63	30.97	10.80	37.91	35.31	Average	150	307 HORIZONTAL
2	15783.88	56.61	74.00	-17.39	43.24	10.80	37.89	35.32	Peak	150	307 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	15778.86	57.60	74.00	-16.40	44.21	10.80	37.91	35.32	Peak	153	235 VERTICAL
2	15781.53	44.34	54.00	-9.66	30.97	10.80	37.89	35.32	Average	153	235 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10601.23	42.60	54.00	-11.40	30.33	8.64	38.58	34.95	Average	151	105
2	10613.31	54.42	74.00	-19.58	42.15	8.64	38.58	34.95	Peak	151	105
3	15899.80	58.32	74.00	-15.68	45.13	10.81	37.74	35.36	Peak	160	166
4	15901.11	44.79	54.00	-9.21	31.62	10.81	37.72	35.36	Average	160	166

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	10597.76	61.28	74.00	-12.72	49.02	8.64	38.58	34.96	Peak	179	162
2	10598.12	48.68	54.00	-5.32	36.42	8.64	38.58	34.96	Average	179	162
3	15902.95	57.39	74.00	-16.61	44.22	10.81	37.72	35.36	Peak	151	96
4	15996.97	44.94	54.00	-9.06	31.93	10.82	37.60	35.41	Average	151	96

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10635.01	55.36	74.00	-18.64	43.07	8.66	38.57	34.94 Peak	219	225	HORIZONTAL
2	10645.79	42.87	54.00	-11.13	30.58	8.66	38.57	34.94 Average	219	225	HORIZONTAL
3	15955.02	56.59	74.00	-17.41	43.51	10.82	37.65	35.39 Peak	140	144	HORIZONTAL
4	15958.38	43.88	54.00	-10.12	30.81	10.82	37.65	35.40 Average	140	144	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	10636.53	61.09	74.00	-12.91	48.80	8.66	38.57	34.94 Peak	178	130	VERTICAL
2	10637.90	48.65	54.00	-5.35	36.36	8.66	38.57	34.94 Average	178	130	VERTICAL
3	15960.29	56.55	74.00	-17.45	43.48	10.82	37.65	35.40 Peak	186	208	VERTICAL
4	15961.53	43.97	54.00	-10.03	30.90	10.82	37.65	35.40 Average	186	208	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	11000.22	54.72	74.00	-19.28	42.08	8.93	38.50	34.79	Peak	173	246	HORIZONTAL
2	11002.53	43.12	54.00	-10.88	30.48	8.93	38.50	34.79	Average	173	246	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	11000.29	50.19	54.00	-3.81	37.55	8.93	38.50	34.79	Average	179	234	VERTICAL
2	11000.51	63.63	74.00	-10.37	50.99	8.93	38.50	34.79	Peak	179	234	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11164.85	56.74	74.00	-17.26	43.79	9.04	38.70	34.79	Peak	202	104 HORIZONTAL
2	11165.86	43.92	54.00	-10.08	30.97	9.04	38.70	34.79	Average	202	104 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	11159.71	49.17	54.00	-4.83	36.22	9.04	38.70	34.79	Average	200	289 VERTICAL
2	11164.28	61.58	74.00	-12.42	48.63	9.04	38.70	34.79	Peak	200	289 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	11397.83	42.87	54.00	-11.13	29.50	9.19	38.98	34.80	Average	131	152 HORIZONTAL
2	11399.98	55.00	74.00	-19.00	41.63	9.19	38.98	34.80	Peak	131	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	11400.22	47.86	54.00	-6.14	34.49	9.19	38.98	34.80	Average	196	229 VERTICAL
2	11400.72	60.08	74.00	-13.92	46.71	9.19	38.98	34.80	Peak	196	229 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	15779.97	56.60	74.00	-17.40	43.21	10.80	37.91	35.32	Peak	150	281
2	15780.38	43.39	54.00	-10.61	30.00	10.80	37.91	35.32	Average	150	281

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	15779.57	43.86	54.00	-10.14	30.47	10.80	37.91	35.32	Average	172	175
2	15779.89	57.43	74.00	-16.57	44.04	10.80	37.91	35.32	Peak	172	175

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10602.53	54.76	74.00	-19.24	42.49	8.64	38.58	34.95	Peak	197	119	HORIZONTAL
2	10602.89	42.03	54.00	-11.97	29.76	8.64	38.58	34.95	Average	197	119	HORIZONTAL
3	15900.04	57.73	74.00	-16.27	44.54	10.81	37.74	35.36	Peak	168	137	HORIZONTAL
4	15900.19	43.90	54.00	-10.10	30.71	10.81	37.74	35.36	Average	168	137	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	10600.25	48.88	54.00	-5.12	36.62	8.64	38.58	34.96	Average	188	130	VERTICAL
2	10600.60	61.83	74.00	-12.17	49.57	8.64	38.58	34.96	Peak	188	130	VERTICAL
3	15899.59	57.12	74.00	-16.88	43.93	10.81	37.74	35.36	Peak	150	235	VERTICAL
4	15899.93	43.60	54.00	-10.40	30.41	10.81	37.74	35.36	Average	150	235	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	10639.57	53.63	74.00	-20.37	41.34	8.66	38.57	34.94	Peak	150	215	HORIZONTAL
2	10640.09	40.69	54.00	-13.31	28.40	8.66	38.57	34.94	Average	150	215	HORIZONTAL
3	15960.15	43.20	54.00	-10.80	30.13	10.82	37.65	35.40	Average	150	184	HORIZONTAL
4	15960.16	56.52	74.00	-17.48	43.45	10.82	37.65	35.40	Peak	150	184	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	10637.96	62.45	74.00	-11.55	50.16	8.66	38.57	34.94	Peak	180	129	VERTICAL
2	10639.09	48.36	54.00	-5.64	36.07	8.66	38.57	34.94	Average	180	129	VERTICAL
3	15959.53	42.76	54.00	-11.24	29.69	10.82	37.65	35.40	Average	150	195	VERTICAL
4	15959.69	56.48	74.00	-17.52	43.41	10.82	37.65	35.40	Peak	150	195	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	10999.78	56.13	74.00	-17.87	43.49	8.93	38.50	34.79	Peak	217	134 HORIZONTAL
2	11002.75	43.40	54.00	-10.60	30.76	8.93	38.50	34.79	Average	217	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	10999.57	48.04	54.00	-5.96	35.40	8.93	38.50	34.79	Average	167	235 VERTICAL
2	11000.80	61.89	74.00	-12.11	49.25	8.93	38.50	34.79	Peak	167	235 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11164.12	42.54	54.00	-11.46	29.59	9.04	38.70	34.79	Average	171	220 HORIZONTAL
2	11165.21	54.84	74.00	-19.16	41.89	9.04	38.70	34.79	Peak	171	220 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	11153.71	63.07	74.00	-10.93	50.15	9.03	38.68	34.79	Peak	181	84 VERTICAL
2	11153.85	49.59	54.00	-4.41	36.67	9.03	38.68	34.79	Average	181	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11399.93	41.97	54.00	-12.03	28.60	9.19	38.98	34.80	Average	157	230 HORIZONTAL
2	11400.37	54.98	74.00	-19.02	41.61	9.19	38.98	34.80	Peak	157	230 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	11402.97	44.56	54.00	-9.44	31.19	9.19	38.98	34.80	Average	185	141 VERTICAL
2	11402.97	57.89	74.00	-16.11	44.52	9.19	38.98	34.80	Peak	185	141 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15809.90	43.38	54.00	-10.62	30.04	10.80	37.87	35.33	Average	150	234 HORIZONTAL
2	15810.33	56.61	74.00	-17.39	43.27	10.80	37.87	35.33	Peak	150	234 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	15809.54	56.93	74.00	-17.07	43.59	10.80	37.87	35.33	Peak	150	102 VERTICAL
2	15809.75	42.88	54.00	-11.12	29.54	10.80	37.87	35.33	Average	150	102 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	10619.73	40.47	54.00	-13.53	28.19	8.65	38.58	34.95	Average	150	79	HORIZONTAL
2	10619.78	53.54	74.00	-20.46	41.26	8.65	38.58	34.95	Peak	150	79	HORIZONTAL
3	15929.68	42.53	54.00	-11.47	29.40	10.81	37.70	35.38	Average	150	194	HORIZONTAL
4	15930.43	56.12	74.00	-17.88	43.00	10.81	37.70	35.39	Peak	150	194	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	10620.33	54.02	74.00	-19.98	41.74	8.65	38.58	34.95	Peak	150	180	VERTICAL
2	10620.48	40.97	54.00	-13.03	28.69	8.65	38.58	34.95	Average	150	180	VERTICAL
3	15929.52	43.03	54.00	-10.97	29.90	10.81	37.70	35.38	Average	150	271	VERTICAL
4	15929.88	56.72	74.00	-17.28	43.59	10.81	37.70	35.38	Peak	150	271	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	11019.60	54.28	74.00	-19.72	41.61	8.94	38.52	34.79	Peak	150	141 HORIZONTAL
2	11019.97	40.90	54.00	-13.10	28.23	8.94	38.52	34.79	Average	150	141 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	11019.78	46.29	54.00	-7.71	33.62	8.94	38.52	34.79	Average	173	234 VERTICAL
2	11019.86	58.86	74.00	-15.14	46.19	8.94	38.52	34.79	Peak	173	234 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11099.96	41.16	54.00	-12.84	28.34	8.99	38.62	34.79	Average	150	265 HORIZONTAL
2	11100.22	54.85	74.00	-19.15	42.03	8.99	38.62	34.79	Peak	150	265 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	11104.49	46.74	54.00	-7.26	33.92	8.99	38.62	34.79	Average	190	96 VERTICAL
2	11105.14	58.50	74.00	-15.50	45.68	8.99	38.62	34.79	Peak	190	96 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11339.66	41.44	54.00	-12.56	28.20	9.14	38.90	34.80	Average	150	151 HORIZONTAL
2	11340.35	54.92	74.00	-19.08	41.68	9.14	38.90	34.80	Peak	150	151 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	11337.54	56.75	74.00	-17.25	43.51	9.14	38.90	34.80	Peak	180	227 VERTICAL
2	11340.07	44.70	54.00	-9.30	31.46	9.14	38.90	34.80	Average	180	227 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	15869.66	57.91	74.00	-16.09	44.68	10.81	37.77	35.35	Peak	150	217 HORIZONTAL
2	15870.21	43.65	54.00	-10.35	30.42	10.81	37.77	35.35	Average	150	217 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	15869.53	56.76	74.00	-17.24	43.53	10.81	37.77	35.35	Peak	164	82 VERTICAL
2	15869.59	43.33	54.00	-10.67	30.10	10.81	37.77	35.35	Average	164	82 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	11059.93	54.37	74.00	-19.63	41.61	8.97	38.58	34.79	Peak	150	235	HORIZONTAL
2	11060.48	41.08	54.00	-12.92	28.32	8.97	38.58	34.79	Average	150	235	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	11059.89	54.56	74.00	-19.44	41.80	8.97	38.58	34.79	Peak	150	78	VERTICAL
2	11060.13	40.38	54.00	-13.62	27.62	8.97	38.58	34.79	Average	150	78	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / 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	11219.56	54.10	74.00	-19.90	41.06	9.07	38.76	34.79	Peak	150	250	HORIZONTAL
2	11219.86	41.08	54.00	-12.92	28.04	9.07	38.76	34.79	Average	150	250	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	11219.89	42.46	54.00	-11.54	29.42	9.07	38.76	34.79	Average	177	128	VERTICAL
2	11220.05	55.91	74.00	-18.09	42.87	9.07	38.76	34.79	Peak	177	128	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / 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	11440.29	46.70	54.00	-7.30	33.27	9.21	39.02	34.80	Average	205	137	HORIZONTAL
2	11441.38	60.61	74.00	-13.39	47.18	9.21	39.02	34.80	Peak	205	137	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	11440.14	52.75	54.00	-1.25	39.32	9.21	39.02	34.80	Average	240	211	VERTICAL
2	11440.58	65.81	74.00	-8.19	52.38	9.21	39.02	34.80	Peak	240	211	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / 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	11440.36	46.52	54.00	-7.48	33.09	9.21	39.02	34.80	Average	204	138
2	11440.43	60.26	74.00	-13.74	46.83	9.21	39.02	34.80	Peak	204	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	11442.61	65.19	74.00	-8.81	51.76	9.21	39.02	34.80	Peak	189	117
2	11443.33	52.17	54.00	-1.83	38.74	9.21	39.02	34.80	Average	189	117

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / 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	11420.00	46.00	54.00	-8.00	32.60	9.20	39.00	34.80	Average	202	139	HORIZONTAL
2	11420.00	57.29	74.00	-16.71	43.89	9.20	39.00	34.80	Peak	202	139	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	11403.36	64.41	74.00	-9.59	51.04	9.19	38.98	34.80	Peak	182	117	VERTICAL
2	11423.83	51.80	54.00	-2.20	38.40	9.20	39.00	34.80	Average	182	117	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / 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	11379.58	54.92	74.00	-19.08	41.58	9.18	38.96	34.80	Peak	150	161	HORIZONTAL
2	11379.63	42.01	54.00	-11.99	28.67	9.18	38.96	34.80	Average	150	161	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	11380.80	46.62	54.00	-7.38	33.28	9.18	38.96	34.80	Average	173	119	VERTICAL
2	11401.06	60.54	74.00	-13.46	47.17	9.19	38.98	34.80	Peak	173	119	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 52 / 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	15779.17	43.78	54.00	-10.22	30.39	10.80	37.91	35.32	Average	178	94 HORIZONTAL
2	15781.51	56.00	74.00	-18.00	42.63	10.80	37.89	35.32	Peak	178	94 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	15778.02	43.71	54.00	-10.29	30.32	10.80	37.91	35.32	Average	184	315 VERTICAL
2	15781.63	57.26	74.00	-16.74	43.89	10.80	37.89	35.32	Peak	184	315 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / 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	10600.64	63.88	74.00	-10.12	51.62	8.64	38.58	34.96	Peak	223	309 HORIZONTAL
2	10600.96	49.25	54.00	-4.75	36.98	8.64	38.58	34.95	Average	223	309 HORIZONTAL
3	15899.15	44.04	54.00	-9.96	30.85	10.81	37.74	35.36	Average	189	337 HORIZONTAL
4	15900.09	56.49	74.00	-17.51	43.30	10.81	37.74	35.36	Peak	189	337 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	10600.66	59.78	74.00	-14.22	47.52	8.64	38.58	34.96	Peak	230	330 VERTICAL
2	10601.65	46.19	54.00	-7.81	33.92	8.64	38.58	34.95	Average	230	330 VERTICAL
3	15898.75	56.62	74.00	-17.38	43.43	10.81	37.74	35.36	Peak	182	291 VERTICAL
4	15899.25	43.91	54.00	-10.09	30.72	10.81	37.74	35.36	Average	182	291 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / 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	10633.26	57.51	74.00	-16.49	45.22	8.66	38.57	34.94	Peak	156	284 HORIZONTAL
2	10633.83	44.16	54.00	-9.84	31.87	8.66	38.57	34.94	Average	156	284 HORIZONTAL
3	15724.83	55.50	74.00	-18.50	42.00	10.79	37.99	35.28	Peak	277	318 HORIZONTAL
4	15728.31	42.55	54.00	-11.45	29.06	10.79	37.99	35.29	Average	277	318 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	10481.91	39.95	54.00	-14.05	27.78	8.56	38.62	35.01	Average	211	143 VERTICAL
2	10482.95	52.29	74.00	-21.71	40.12	8.56	38.62	35.01	Peak	211	143 VERTICAL
3	15720.46	54.72	74.00	-19.28	41.22	10.79	37.99	35.28	Peak	164	270 VERTICAL
4	15722.84	42.50	54.00	-11.50	29.00	10.79	37.99	35.28	Average	164	270 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / 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	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	10996.27	56.62	74.00	-17.38	43.98	8.93	38.50	34.79	Peak	158	283 HORIZONTAL
2	10997.51	43.74	54.00	-10.26	31.10	8.93	38.50	34.79	Average	158	283 HORIZONTAL

Vertical

	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	11002.52	52.54	74.00	-21.46	39.90	8.93	38.50	34.79	Peak	197	78 VERTICAL
2	11007.06	39.99	54.00	-14.01	27.32	8.94	38.52	34.79	Average	197	78 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / 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	11161.98	62.65	74.00	-11.35	49.70	9.04	38.70	34.79	Peak	239	277 HORIZONTAL
2	11162.03	48.11	54.00	-5.89	35.16	9.04	38.70	34.79	Average	239	277 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	11157.50	59.24	74.00	-14.76	46.29	9.04	38.70	34.79	Peak	237	319 VERTICAL
2	11157.60	46.04	54.00	-7.96	33.09	9.04	38.70	34.79	Average	237	319 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / 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	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	
1	11402.03	56.80	74.00	-17.20	43.43	9.19	38.98	34.80 Peak	234	339	HORIZONTAL
2	11402.37	43.77	54.00	-10.23	30.40	9.19	38.98	34.80 Average	234	339	HORIZONTAL

Vertical

	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	11400.75	54.95	74.00	-19.05	41.58	9.19	38.98	34.80 Peak	225	317	VERTICAL
2	11401.91	42.70	54.00	-11.30	29.33	9.19	38.98	34.80 Average	225	317	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / 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	
			Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	15778.81	43.66	54.00	-10.34	30.27	10.80	37.91	35.32	Average	164	102 HORIZONTAL
2	15780.02	56.78	74.00	-17.22	43.39	10.80	37.91	35.32	Peak	164	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	15778.30	56.60	74.00	-17.40	43.21	10.80	37.91	35.32	Peak	185	314 VERTICAL
2	15780.25	43.45	54.00	-10.55	30.06	10.80	37.91	35.32	Average	185	314 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / 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	10599.10	62.84	74.00	-11.16	50.58	8.64	38.58	34.96	Peak	225	307	HORIZONTAL
2	10599.46	47.91	54.00	-6.09	35.65	8.64	38.58	34.96	Average	225	307	HORIZONTAL
3	15898.26	43.71	54.00	-10.29	30.52	10.81	37.74	35.36	Average	186	114	HORIZONTAL
4	15900.38	57.50	74.00	-16.50	44.31	10.81	37.74	35.36	Peak	186	114	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	10600.16	45.09	54.00	-8.91	32.83	8.64	38.58	34.96	Average	220	330	VERTICAL
2	10600.42	58.16	74.00	-15.84	45.90	8.64	38.58	34.96	Peak	220	330	VERTICAL
3	15899.28	56.14	74.00	-17.86	42.95	10.81	37.74	35.36	Peak	186	322	VERTICAL
4	15901.24	43.78	54.00	-10.22	30.61	10.81	37.72	35.36	Average	186	322	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / 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	10638.46	57.25	74.00	-16.75	44.96	8.66	38.57	34.94	Peak	222	278 HORIZONTAL
2	10638.67	43.76	54.00	-10.24	31.47	8.66	38.57	34.94	Average	222	278 HORIZONTAL
3	15959.89	56.09	74.00	-17.91	43.02	10.82	37.65	35.40	Peak	170	96 HORIZONTAL
4	15961.62	43.08	54.00	-10.92	30.01	10.82	37.65	35.40	Average	170	96 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	10637.54	42.27	54.00	-11.73	29.98	8.66	38.57	34.94	Average	226	343 VERTICAL
2	10638.47	54.61	74.00	-19.39	42.32	8.66	38.57	34.94	Peak	226	343 VERTICAL
3	15958.23	43.12	54.00	-10.88	30.05	10.82	37.65	35.40	Average	176	307 VERTICAL
4	15958.73	56.91	74.00	-17.09	43.84	10.82	37.65	35.40	Peak	176	307 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / 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	10998.31	59.52	74.00	-14.48	46.88	8.93	38.50	34.79	Peak	218	310 HORIZONTAL
2	10998.73	44.64	54.00	-9.36	32.00	8.93	38.50	34.79	Average	218	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	10997.58	41.80	54.00	-12.20	29.16	8.93	38.50	34.79	Average	222	347 VERTICAL
2	10997.60	54.99	74.00	-19.01	42.35	8.93	38.50	34.79	Peak	222	347 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / 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	11157.51	61.63	74.00	-12.37	48.68	9.04	38.70	34.79	Peak	211	288 HORIZONTAL
2	11158.22	48.16	54.00	-5.84	35.21	9.04	38.70	34.79	Average	211	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	Remark	cm	deg
1	11161.64	57.77	74.00	-16.23	44.82	9.04	38.70	34.79	Peak	199	334 VERTICAL
2	11162.42	44.04	54.00	-9.96	31.09	9.04	38.70	34.79	Average	199	334 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / 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	11398.21	57.35	74.00	-16.65	43.98	9.19	38.98	34.80	Peak	227	308 HORIZONTAL
2	11398.52	43.56	54.00	-10.44	30.19	9.19	38.98	34.80	Average	227	308 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	11401.69	41.99	54.00	-12.01	28.62	9.19	38.98	34.80	Average	220	314 VERTICAL
2	11401.92	54.42	74.00	-19.58	41.05	9.19	38.98	34.80	Peak	220	314 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / 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	15807.63	56.79	74.00	-17.21	43.45	10.80	37.87	35.33	Peak	175	90 HORIZONTAL
2	15807.84	43.48	54.00	-10.52	30.14	10.80	37.87	35.33	Average	175	90 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	15812.31	43.55	54.00	-10.45	30.21	10.80	37.87	35.33	Average	185	327 VERTICAL
2	15812.43	56.35	74.00	-17.65	43.01	10.80	37.87	35.33	Peak	185	327 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / 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	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10619.60	53.54	74.00	-20.46	41.26	8.65	38.58	34.95	230	292	HORIZONTAL
2	10620.16	40.75	54.00	-13.25	28.47	8.65	38.58	34.95	230	292	HORIZONTAL
3	15931.01	43.29	54.00	-10.71	30.17	10.81	37.70	35.39	183	109	HORIZONTAL
4	15932.47	55.90	74.00	-18.10	42.78	10.81	37.70	35.39	183	109	HORIZONTAL

Vertical

	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	10618.11	40.65	54.00	-13.35	28.37	8.65	38.58	34.95	230	321	VERTICAL
2	10622.47	52.90	74.00	-21.10	40.62	8.65	38.58	34.95	230	321	VERTICAL
3	15927.73	43.18	54.00	-10.82	30.05	10.81	37.70	35.38	191	308	VERTICAL
4	15931.62	55.73	74.00	-18.27	42.61	10.81	37.70	35.39	191	308	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / 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	11019.00	41.08	54.00	-12.92	28.41	8.94	38.52	34.79	Average	226	308 HORIZONTAL
2	11020.26	54.59	74.00	-19.41	41.92	8.94	38.52	34.79	Peak	226	308 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	11018.46	40.63	54.00	-13.37	27.96	8.94	38.52	34.79	Average	246	340 VERTICAL
2	11018.50	53.69	74.00	-20.31	41.02	8.94	38.52	34.79	Peak	246	340 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / 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	11099.05	45.59	54.00	-8.41	32.77	8.99	38.62	34.79	Average	216	312 HORIZONTAL
2	11099.15	57.82	74.00	-16.18	45.00	8.99	38.62	34.79	Peak	216	312 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	11098.42	54.76	74.00	-19.24	41.94	8.99	38.62	34.79	Peak	215	325 VERTICAL
2	11099.93	42.50	54.00	-11.50	29.68	8.99	38.62	34.79	Average	215	325 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / 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	11339.76	43.54	54.00	-10.46	30.30	9.14	38.90	34.80	Average	214	288 HORIZONTAL
2	11341.71	56.28	74.00	-17.72	43.04	9.14	38.90	34.80	Peak	214	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	Remark	cm	deg
1	11338.35	54.51	74.00	-19.49	41.27	9.14	38.90	34.80	Peak	220	319 VERTICAL
2	11339.28	41.66	54.00	-12.34	28.42	9.14	38.90	34.80	Average	220	319 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / 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	15871.93	56.61	74.00	-17.39	43.38	10.81	37.77	35.35	Peak	179	126 HORIZONTAL
2	15872.24	43.73	54.00	-10.27	30.50	10.81	37.77	35.35	Average	179	126 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	15867.97	57.44	74.00	-16.56	44.21	10.81	37.77	35.35	Peak	194	314 VERTICAL
2	15868.04	43.71	54.00	-10.29	30.48	10.81	37.77	35.35	Average	194	314 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / 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	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11059.91	40.38	54.00	-13.62	27.62	8.97	38.58	34.79	Average	232	315 HORIZONTAL
2	11062.29	53.92	74.00	-20.08	41.16	8.97	38.58	34.79	Peak	232	315 HORIZONTAL

Vertical

	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	11058.89	53.08	74.00	-20.92	40.32	8.97	38.58	34.79	Peak	226	305 VERTICAL
2	11061.07	40.45	54.00	-13.55	27.69	8.97	38.58	34.79	Average	226	305 VERTICAL