

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.40	46.62	54.00	-7.38	27.62	13.71	38.67	33.38	213	136	Average	HORIZONTAL
2	11160.78	59.45	74.00	-14.55	40.45	13.71	38.67	33.38	213	136	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.00	46.70	54.00	-7.30	27.82	13.65	38.61	33.38	226	115	Average	VERTICAL
2	11159.96	59.73	74.00	-14.27	40.73	13.71	38.67	33.38	226	115	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.91	59.98	74.00	-14.02	40.23	14.08	39.04	33.37	192	121	Peak	HORIZONTAL
2	11400.13	47.14	54.00	-6.86	27.39	14.08	39.04	33.37	192	121	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.93	59.63	74.00	-14.37	39.88	14.08	39.04	33.37	206	139	Peak	VERTICAL
2	11400.30	47.12	54.00	-6.88	27.37	14.08	39.04	33.37	206	139	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

### 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	15812.23	63.26	74.00	-10.74	42.99	16.54	37.69	33.96	166	117	Peak	HORIZONTAL
2	15813.39	50.83	54.00	-3.17	30.56	16.54	37.69	33.96	166	117	Average	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	15807.35	63.59	74.00	-10.41	43.32	16.54	37.69	33.96	174	114	Peak	VERTICAL
2	15809.41	50.65	54.00	-3.35	30.38	16.54	37.69	33.96	174	114	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10614.72	46.10	54.00	-7.90	28.57	12.75	38.40	33.62	189	144	Average	HORIZONTAL
2	10615.44	62.84	74.00	-11.16	45.31	12.75	38.40	33.62	189	144	Peak	HORIZONTAL
3	15926.57	65.13	74.00	-8.87	45.13	16.63	37.47	34.10	179	147	Peak	HORIZONTAL
4	15931.67	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	179	147	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10616.74	45.82	54.00	-8.18	28.29	12.75	38.40	33.62	173	149	Average	VERTICAL
2	10620.28	59.14	74.00	-14.86	41.61	12.75	38.40	33.62	173	149	Peak	VERTICAL
3	15925.95	51.67	54.00	-2.33	31.67	16.63	37.47	34.10	188	143	Average	VERTICAL
4	15933.12	64.67	74.00	-9.33	44.67	16.63	37.47	34.10	188	143	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

### 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	11020.42	44.74	54.00	-9.26	26.28	13.44	38.40	33.38	218	149	Average	HORIZONTAL
2	11022.63	57.29	74.00	-16.71	38.83	13.44	38.40	33.38	218	149	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	11023.24	44.96	54.00	-9.04	26.50	13.44	38.40	33.38	209	158	Average	VERTICAL
2	11024.85	57.60	74.00	-16.40	39.14	13.44	38.40	33.38	209	158	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**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	11096.48	45.69	54.00	-8.31	26.91	13.60	38.56	33.38	225	152	Average	HORIZONTAL
2	11097.92	58.36	74.00	-15.64	39.58	13.60	38.56	33.38	225	152	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	11100.06	58.77	74.00	-15.23	39.99	13.60	38.56	33.38	206	146	Peak	VERTICAL
2	11104.60	45.67	54.00	-8.33	26.89	13.60	38.56	33.38	206	146	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.98	59.57	74.00	-14.43	40.04	13.97	38.93	33.37	226	157	Peak	HORIZONTAL
2	11345.21	46.90	54.00	-7.10	27.37	13.97	38.93	33.37	226	157	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.52	59.67	74.00	-14.33	40.14	13.97	38.93	33.37	219	162	Peak	VERTICAL
2	11343.31	47.08	54.00	-6.92	27.55	13.97	38.93	33.37	219	162	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**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	15868.35	50.77	54.00	-3.23	30.64	16.57	37.62	34.06	207	129	Average	HORIZONTAL
2	15874.69	63.79	74.00	-10.21	43.70	16.60	37.55	34.06	207	129	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	15866.21	50.92	54.00	-3.08	30.74	16.57	37.62	34.01	196	120	Average	VERTICAL
2	15872.54	63.52	74.00	-10.48	43.39	16.57	37.62	34.06	196	120	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**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	11056.93	45.16	54.00	-8.84	26.60	13.49	38.45	33.38	212	131	Average	HORIZONTAL
2	11059.75	58.06	74.00	-15.94	39.50	13.49	38.45	33.38	212	131	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	11058.22	58.16	74.00	-15.84	39.60	13.49	38.45	33.38	219	136	Peak	VERTICAL
2	11062.78	45.36	54.00	-8.64	26.68	13.55	38.51	33.38	219	136	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.20	60.89	74.00	-13.11	41.79	13.76	38.72	33.38	205	126	Peak	HORIZONTAL
2	11218.56	47.31	54.00	-6.69	28.21	13.76	38.72	33.38	205	126	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11217.43	60.13	74.00	-13.87	41.03	13.76	38.72	33.38	220	132	Peak	VERTICAL
2	11223.65	47.89	54.00	-6.11	28.69	13.81	38.77	33.38	220	132	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.



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**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	11436.33	46.60	54.00	-7.40	26.75	14.13	39.09	33.37	232	140 Average	HORIZONTAL
2	11438.83	59.80	74.00	-14.20	39.95	14.13	39.09	33.37	232	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	11434.93	59.61	74.00	-14.39	39.76	14.13	39.09	33.37	218	134 Peak	VERTICAL
2	11437.67	46.62	54.00	-7.38	26.77	14.13	39.09	33.37	218	134 Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**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	11415.31	46.81	54.00	-7.19	27.06	14.08	39.04	33.37	218	167	Average	HORIZONTAL
2	11420.21	59.33	74.00	-14.67	39.48	14.13	39.09	33.37	218	167	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	11417.48	61.07	74.00	-12.93	41.22	14.13	39.09	33.37	214	154	Peak	VERTICAL
2	11421.19	46.84	54.00	-7.16	26.99	14.13	39.09	33.37	214	154	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11378.64	59.85	74.00	-14.15	40.20	14.03	38.99	33.37	195	152	Peak	HORIZONTAL
2	11381.93	47.14	54.00	-6.86	27.49	14.03	38.99	33.37	195	152	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11375.40	59.67	74.00	-14.33	40.02	14.03	38.99	33.37	210	142	Peak	VERTICAL
2	11376.14	46.96	54.00	-7.04	27.31	14.03	38.99	33.37	210	142	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.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15710.20	64.08	74.00	-9.92	43.63	16.48	37.84	33.87	206	259	Peak	HORIZONTAL
2	15716.60	51.58	54.00	-2.42	31.18	16.48	37.84	33.92	206	259	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15720.96	51.36	54.00	-2.64	30.96	16.48	37.84	33.92	214	269	Average	VERTICAL
2	15724.24	64.06	74.00	-9.94	43.66	16.48	37.84	33.92	214	269	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**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	10608.16	59.33	74.00	-14.67	41.80	12.75	38.40	33.62	237	252	Peak	HORIZONTAL
2	10608.92	46.37	54.00	-7.63	28.84	12.75	38.40	33.62	237	252	Average	HORIZONTAL
3	15898.68	51.66	54.00	-2.34	31.57	16.60	37.55	34.06	242	257	Average	HORIZONTAL
4	15909.60	64.73	74.00	-9.27	44.64	16.60	37.55	34.06	242	257	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	10609.16	59.92	74.00	-14.08	42.39	12.75	38.40	33.62	209	257	Peak	VERTICAL
2	10610.92	46.74	54.00	-7.26	29.21	12.75	38.40	33.62	209	257	Average	VERTICAL
3	15899.28	51.80	54.00	-2.20	31.71	16.60	37.55	34.06	244	271	Average	VERTICAL
4	15899.36	64.42	74.00	-9.58	44.33	16.60	37.55	34.06	244	271	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10632.16	46.40	54.00	-7.60	28.82	12.80	38.40	33.62	219	213	Average	HORIZONTAL
2	10647.48	59.70	74.00	-14.30	42.09	12.80	38.40	33.59	219	213	Peak	HORIZONTAL
3	15952.56	51.69	54.00	-2.31	31.69	16.63	37.47	34.10	211	204	Average	HORIZONTAL
4	15957.52	65.13	74.00	-8.87	45.13	16.63	37.47	34.10	211	204	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10632.48	46.37	54.00	-7.63	28.79	12.80	38.40	33.62	211	190	Average	VERTICAL
2	10645.08	58.91	74.00	-15.09	41.30	12.80	38.40	33.59	211	190	Peak	VERTICAL
3	15957.64	51.78	54.00	-2.22	31.78	16.63	37.47	34.10	206	196	Average	VERTICAL
4	15968.96	64.65	74.00	-9.35	44.69	16.66	37.40	34.10	206	196	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10991.52	45.59	54.00	-8.41	27.20	13.39	38.40	33.40	216	148	Average	HORIZONTAL
2	11003.72	58.49	74.00	-15.51	40.03	13.44	38.40	33.38	216	148	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.24	58.52	74.00	-15.48	40.13	13.39	38.40	33.40	182	180	Peak	VERTICAL
2	10998.08	45.67	54.00	-8.33	27.21	13.44	38.40	33.38	182	180	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.96	59.71	74.00	-14.29	40.83	13.65	38.61	33.38	197	181	Peak	HORIZONTAL
2	11166.00	47.11	54.00	-6.89	28.11	13.71	38.67	33.38	197	181	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.80	46.65	54.00	-7.35	27.77	13.65	38.61	33.38	192	172	Average	VERTICAL
2	11158.56	59.62	74.00	-14.38	40.62	13.71	38.67	33.38	192	172	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.00	47.50	54.00	-6.50	27.75	14.08	39.04	33.37	216	177	Average	HORIZONTAL
2	11397.96	60.02	74.00	-13.98	40.27	14.08	39.04	33.37	216	177	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.64	60.08	74.00	-13.92	40.33	14.08	39.04	33.37	207	166	Peak	VERTICAL
2	11395.00	47.53	54.00	-6.47	27.78	14.08	39.04	33.37	207	166	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15805.04	51.19	54.00	-2.81	30.92	16.54	37.69	33.96	204	119	Average	HORIZONTAL
2	15807.08	63.74	74.00	-10.26	43.47	16.54	37.69	33.96	204	119	Peak	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.04	51.20	54.00	-2.80	30.93	16.54	37.69	33.96	200	100	Average	VERTICAL
2	15813.12	63.96	74.00	-10.04	43.69	16.54	37.69	33.96	200	100	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10611.08	46.55	54.00	-7.45	29.02	12.75	38.40	33.62	196	100	Average	HORIZONTAL
2	10614.96	59.37	74.00	-14.63	41.84	12.75	38.40	33.62	196	100	Peak	HORIZONTAL
3	15923.60	65.90	74.00	-8.10	45.90	16.63	37.47	34.10	213	107	Peak	HORIZONTAL
4	15938.92	52.33	54.00	-1.67	32.33	16.63	37.47	34.10	213	107	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10613.60	46.49	54.00	-7.51	28.96	12.75	38.40	33.62	194	98	Average	VERTICAL
2	10621.64	59.62	74.00	-14.38	42.04	12.80	38.40	33.62	194	98	Peak	VERTICAL
3	15924.48	64.76	74.00	-9.24	44.76	16.63	37.47	34.10	189	93	Peak	VERTICAL
4	15938.96	52.35	54.00	-1.65	32.35	16.63	37.47	34.10	189	93	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### 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	11012.28	45.45	54.00	-8.55	26.99	13.44	38.40	33.38	180	84 Average	HORIZONTAL
2	11026.20	58.37	74.00	-15.63	39.91	13.44	38.40	33.38	180	84 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	11013.52	57.70	74.00	-16.30	39.24	13.44	38.40	33.38	188	79 Peak	VERTICAL
2	11025.68	45.48	54.00	-8.52	27.02	13.44	38.40	33.38	188	79 Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11096.44	46.47	54.00	-7.53	27.69	13.60	38.56	33.38	207	93	Average	HORIZONTAL
2	11103.80	59.52	74.00	-14.48	40.74	13.60	38.56	33.38	207	93	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11102.12	59.29	74.00	-14.71	40.51	13.60	38.56	33.38	177	73	Peak	VERTICAL
2	11105.28	46.44	54.00	-7.56	27.66	13.60	38.56	33.38	177	73	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.04	60.60	74.00	-13.40	41.07	13.97	38.93	33.37	194	117	Peak	HORIZONTAL
2	11337.52	47.51	54.00	-6.49	27.98	13.97	38.93	33.37	194	117	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11344.24	47.58	54.00	-6.42	28.05	13.97	38.93	33.37	230	120	Average	VERTICAL
2	11346.44	60.42	74.00	-13.58	40.89	13.97	38.93	33.37	230	120	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15872.32	64.27	74.00	-9.73	44.14	16.57	37.62	34.06	227	142	Peak	HORIZONTAL
2	15878.80	51.56	54.00	-2.44	31.47	16.60	37.55	34.06	227	142	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15871.56	63.97	74.00	-10.03	43.84	16.57	37.62	34.06	208	121	Peak	VERTICAL
2	15875.80	51.43	54.00	-2.57	31.34	16.60	37.55	34.06	208	121	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11051.40	58.33	74.00	-15.67	39.77	13.49	38.45	33.38	218	159	Peak	HORIZONTAL
2	11065.60	45.77	54.00	-8.23	27.09	13.55	38.51	33.38	218	159	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11051.68	45.96	54.00	-8.04	27.40	13.49	38.45	33.38	208	168	Average	VERTICAL
2	11068.12	58.93	74.00	-15.07	40.25	13.55	38.51	33.38	208	168	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11212.84	47.62	54.00	-6.38	28.52	13.76	38.72	33.38	210	153	Average	HORIZONTAL
2	11222.56	60.78	74.00	-13.22	41.58	13.81	38.77	33.38	210	153	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11223.64	60.05	74.00	-13.95	40.85	13.81	38.77	33.38	228	158	Peak	VERTICAL
2	11225.64	47.67	54.00	-6.33	28.47	13.81	38.77	33.38	228	158	Average	VERTICAL

**Note:**

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

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

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

**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**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	11434.24	47.01	54.00	-6.99	27.16	14.13	39.09	33.37	227	169 Average	HORIZONTAL
2	11436.24	59.71	74.00	-14.29	39.86	14.13	39.09	33.37	227	169 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	11439.04	60.19	74.00	-13.81	40.34	14.13	39.09	33.37	234	164 Peak	VERTICAL
2	11439.88	47.06	54.00	-6.94	27.21	14.13	39.09	33.37	234	164 Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11410.64	59.98	74.00	-14.02	40.23	14.08	39.04	33.37	204	106	Peak	HORIZONTAL
2	11411.88	47.23	54.00	-6.77	27.48	14.08	39.04	33.37	204	106	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.20	47.39	54.00	-6.61	27.54	14.13	39.09	33.37	223	130	Average	VERTICAL
2	11420.56	60.84	74.00	-13.16	40.99	14.13	39.09	33.37	223	130	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11372.40	47.74	54.00	-6.26	28.09	14.03	38.99	33.37	216	161	Average	HORIZONTAL
2	11385.48	60.00	74.00	-14.00	40.25	14.08	39.04	33.37	216	161	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11371.84	47.79	54.00	-6.21	28.14	14.03	38.99	33.37	189	150	Average	VERTICAL
2	11374.36	59.95	74.00	-14.05	40.30	14.03	38.99	33.37	189	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.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**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	15777.26	51.05	54.00	-2.95	30.74	16.51	37.76	33.96	211	274	Average	HORIZONTAL
2	15779.22	64.30	74.00	-9.70	43.99	16.51	37.76	33.96	211	274	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	15776.76	63.98	74.00	-10.02	43.67	16.51	37.76	33.96	219	298	Peak	VERTICAL
2	15780.86	51.06	54.00	-2.94	30.75	16.51	37.76	33.96	219	298	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.46	45.93	54.00	-8.07	28.42	12.75	38.40	33.64	216	292	Average	HORIZONTAL
2	10603.42	59.01	74.00	-14.99	41.50	12.75	38.40	33.64	216	292	Peak	HORIZONTAL
3	15902.54	64.45	74.00	-9.55	44.36	16.60	37.55	34.06	221	301	Peak	HORIZONTAL
4	15903.40	51.32	54.00	-2.68	31.23	16.60	37.55	34.06	221	301	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.38	45.79	54.00	-8.21	28.28	12.75	38.40	33.64	214	303	Average	VERTICAL
2	10601.34	59.49	74.00	-14.51	41.98	12.75	38.40	33.64	214	303	Peak	VERTICAL
3	15900.34	51.30	54.00	-2.70	31.21	16.60	37.55	34.06	207	312	Average	VERTICAL
4	15901.80	64.53	74.00	-9.47	44.44	16.60	37.55	34.06	207	312	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.38	45.98	54.00	-8.02	28.40	12.80	38.40	33.62	210	278	Average	HORIZONTAL
2	10642.94	59.41	74.00	-14.59	41.80	12.80	38.40	33.59	210	278	Peak	HORIZONTAL
3	15961.86	64.99	74.00	-9.01	44.99	16.63	37.47	34.10	207	285	Peak	HORIZONTAL
4	15963.82	51.61	54.00	-2.39	31.61	16.63	37.47	34.10	207	285	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10635.62	46.40	54.00	-7.60	28.82	12.80	38.40	33.62	227	240	Average	VERTICAL
2	10644.88	59.32	74.00	-14.68	41.71	12.80	38.40	33.59	227	240	Peak	VERTICAL
3	15956.68	51.55	54.00	-2.45	31.55	16.63	37.47	34.10	222	266	Average	VERTICAL
4	15956.96	64.44	74.00	-9.56	44.44	16.63	37.47	34.10	222	266	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11004.04	45.40	54.00	-8.60	26.94	13.44	38.40	33.38	244	142	Average	HORIZONTAL
2	11005.68	58.56	74.00	-15.44	40.10	13.44	38.40	33.38	244	142	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.72	59.17	74.00	-14.83	40.71	13.44	38.40	33.38	220	230	Peak	VERTICAL
2	11006.92	45.38	54.00	-8.62	26.92	13.44	38.40	33.38	220	230	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.32	59.94	74.00	-14.06	40.94	13.71	38.67	33.38	241	128	Peak	HORIZONTAL
2	11167.32	47.44	54.00	-6.56	28.44	13.71	38.67	33.38	241	128	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11168.44	60.06	74.00	-13.94	41.06	13.71	38.67	33.38	214	123	Peak	VERTICAL
2	11169.20	47.49	54.00	-6.51	28.49	13.71	38.67	33.38	214	123	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### 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	11398.72	47.10	54.00	-6.90	27.35	14.08	39.04	33.37	227	124	Average	HORIZONTAL
2	11401.50	59.82	74.00	-14.18	40.07	14.08	39.04	33.37	227	124	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	11398.60	47.09	54.00	-6.91	27.34	14.08	39.04	33.37	206	113	Average	VERTICAL
2	11400.10	59.96	74.00	-14.04	40.21	14.08	39.04	33.37	206	113	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15807.77	50.73	54.00	-3.27	30.46	16.54	37.69	33.96	111	351	Average	HORIZONTAL
2	15812.43	63.92	74.00	-10.08	43.65	16.54	37.69	33.96	111	351	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15810.72	51.09	54.00	-2.91	30.82	16.54	37.69	33.96	114	344	Average	VERTICAL
2	15811.61	63.75	74.00	-10.25	43.48	16.54	37.69	33.96	114	344	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10617.75	46.09	54.00	-7.91	28.56	12.75	38.40	33.62	106	309	Average	HORIZONTAL
2	10618.10	60.02	74.00	-13.98	42.49	12.75	38.40	33.62	106	309	Peak	HORIZONTAL
3	15930.51	64.96	74.00	-9.04	44.96	16.63	37.47	34.10	109	319	Peak	HORIZONTAL
4	15931.00	51.65	54.00	-2.35	31.65	16.63	37.47	34.10	109	319	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.27	46.53	54.00	-7.47	29.00	12.75	38.40	33.62	113	349	Average	VERTICAL
2	10621.63	59.49	74.00	-14.51	41.91	12.80	38.40	33.62	113	349	Peak	VERTICAL
3	15928.49	51.57	54.00	-2.43	31.57	16.63	37.47	34.10	111	328	Average	VERTICAL
4	15929.78	64.76	74.00	-9.24	44.76	16.63	37.47	34.10	111	328	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.49	45.14	54.00	-8.86	26.68	13.44	38.40	33.38	110	287	Average	HORIZONTAL
2	11020.37	58.75	74.00	-15.25	40.29	13.44	38.40	33.38	110	287	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.85	57.78	74.00	-16.22	39.32	13.44	38.40	33.38	112	298	Peak	VERTICAL
2	11018.92	45.12	54.00	-8.88	26.66	13.44	38.40	33.38	112	298	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### 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	11097.81	46.30	54.00	-7.70	27.52	13.60	38.56	33.38	106	309	Average	HORIZONTAL
2	11100.19	59.13	74.00	-14.87	40.35	13.60	38.56	33.38	106	309	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	11097.75	46.34	54.00	-7.66	27.56	13.60	38.56	33.38	108	298	Average	VERTICAL
2	11098.19	59.25	74.00	-14.75	40.47	13.60	38.56	33.38	108	298	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.82	60.65	74.00	-13.35	41.12	13.97	38.93	33.37	108	319	Peak	HORIZONTAL
2	11341.51	47.09	54.00	-6.91	27.56	13.97	38.93	33.37	108	319	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.80	59.76	74.00	-14.24	40.23	13.97	38.93	33.37	113	311	Peak	VERTICAL
2	11340.23	47.32	54.00	-6.68	27.79	13.97	38.93	33.37	113	311	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### 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	15869.78	50.79	54.00	-3.21	30.66	16.57	37.62	34.06	117	341	Average	HORIZONTAL
2	15872.27	63.88	74.00	-10.12	43.75	16.57	37.62	34.06	117	341	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	15871.57	63.60	74.00	-10.40	43.47	16.57	37.62	34.06	111	339	Peak	VERTICAL
2	15872.29	50.86	54.00	-3.14	30.73	16.57	37.62	34.06	111	339	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**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	11058.13	45.39	54.00	-8.61	26.83	13.49	38.45	33.38	123	342	Average	HORIZONTAL
2	11061.21	58.81	74.00	-15.19	40.13	13.55	38.51	33.38	123	342	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	11057.83	45.68	54.00	-8.32	27.12	13.49	38.45	33.38	120	351	Average	VERTICAL
2	11060.74	58.85	74.00	-15.15	40.17	13.55	38.51	33.38	120	351	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11217.53	60.22	74.00	-13.78	41.12	13.76	38.72	33.38	113	339	Peak	HORIZONTAL
2	11219.95	47.14	54.00	-6.86	28.04	13.76	38.72	33.38	113	339	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.18	47.53	54.00	-6.47	28.43	13.76	38.72	33.38	118	333	Average	VERTICAL
2	11220.74	60.18	74.00	-13.82	41.08	13.76	38.72	33.38	118	333	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**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**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	11437.88	46.64	54.00	-7.36	26.79	14.13	39.09	33.37	206	121	Average	HORIZONTAL
2	11442.80	59.45	74.00	-14.55	39.60	14.13	39.09	33.37	206	121	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	11441.46	46.49	54.00	-7.51	26.64	14.13	39.09	33.37	229	88	Average	VERTICAL
2	11444.20	59.72	74.00	-14.28	39.87	14.13	39.09	33.37	229	88	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.50	59.99	74.00	-14.01	40.14	14.13	39.09	33.37	119	317	Peak	HORIZONTAL
2	11422.10	46.80	54.00	-7.20	26.95	14.13	39.09	33.37	119	317	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.03	60.13	74.00	-13.87	40.28	14.13	39.09	33.37	114	321	Peak	VERTICAL
2	11420.84	47.11	54.00	-6.89	27.26	14.13	39.09	33.37	114	321	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.74	59.83	74.00	-14.17	40.18	14.03	38.99	33.37	128	338	Peak	HORIZONTAL
2	11379.05	46.75	54.00	-7.25	27.10	14.03	38.99	33.37	128	338	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11378.50	46.81	54.00	-7.19	27.16	14.03	38.99	33.37	130	341	Average	VERTICAL
2	11379.85	59.81	74.00	-14.19	40.16	14.03	38.99	33.37	130	341	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.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15722.73	64.74	74.00	-9.26	44.34	16.48	37.84	33.92	210	179	Peak	HORIZONTAL
2	15723.35	50.92	54.00	-3.08	30.52	16.48	37.84	33.92	210	179	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15714.93	51.05	54.00	-2.95	30.65	16.48	37.84	33.92	196	173	Average	VERTICAL
2	15716.44	64.01	74.00	-9.99	43.61	16.48	37.84	33.92	196	173	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.44	46.07	54.00	-7.93	28.56	12.75	38.40	33.64	185	148	Average	HORIZONTAL
2	10600.67	58.91	74.00	-15.09	41.40	12.75	38.40	33.64	185	148	Peak	HORIZONTAL
3	15895.63	64.43	74.00	-9.57	44.34	16.60	37.55	34.06	192	140	Peak	HORIZONTAL
4	15901.97	51.28	54.00	-2.72	31.19	16.60	37.55	34.06	192	140	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.65	46.38	54.00	-7.62	28.87	12.75	38.40	33.64	217	161	Average	VERTICAL
2	10599.19	59.58	74.00	-14.42	42.07	12.75	38.40	33.64	217	161	Peak	VERTICAL
3	15895.87	64.71	74.00	-9.29	44.62	16.60	37.55	34.06	212	156	Peak	VERTICAL
4	15904.49	51.20	54.00	-2.80	31.11	16.60	37.55	34.06	212	156	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.85	46.20	54.00	-7.80	28.59	12.80	38.40	33.59	198	138	Average	HORIZONTAL
2	10641.10	59.69	74.00	-14.31	42.08	12.80	38.40	33.59	198	138	Peak	HORIZONTAL
3	15959.68	64.77	74.00	-9.23	44.77	16.63	37.47	34.10	220	123	Peak	HORIZONTAL
4	15963.48	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	220	123	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.43	58.89	74.00	-15.11	41.28	12.80	38.40	33.59	234	186	Peak	VERTICAL
2	10641.82	46.03	54.00	-7.97	28.42	12.80	38.40	33.59	234	186	Average	VERTICAL
3	15954.98	51.61	54.00	-2.39	31.61	16.63	37.47	34.10	204	145	Average	VERTICAL
4	15957.99	64.94	74.00	-9.06	44.94	16.63	37.47	34.10	204	145	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### 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	10997.60	58.28	74.00	-15.72	39.82	13.44	38.40	33.38	210	193	Peak	HORIZONTAL
2	10997.65	45.08	54.00	-8.92	26.62	13.44	38.40	33.38	211	193	Average	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	11000.95	45.16	54.00	-8.84	26.70	13.44	38.40	33.38	224	177	Average	VERTICAL
2	11003.96	57.82	74.00	-16.18	39.36	13.44	38.40	33.38	224	177	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.76	46.62	54.00	-7.38	27.74	13.65	38.61	33.38	193	186	Average	HORIZONTAL
2	11155.53	59.31	74.00	-14.69	40.43	13.65	38.61	33.38	192	186	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.85	46.46	54.00	-7.54	27.58	13.65	38.61	33.38	204	204	Average	VERTICAL
2	11161.89	59.70	74.00	-14.30	40.70	13.71	38.67	33.38	204	204	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**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	11397.35	47.00	54.00	-7.00	27.25	14.08	39.04	33.37	212	203	Average	HORIZONTAL
2	11401.57	59.83	74.00	-14.17	40.08	14.08	39.04	33.37	212	203	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	11399.98	47.03	54.00	-6.97	27.28	14.08	39.04	33.37	188	219	Average	VERTICAL
2	11400.85	59.94	74.00	-14.06	40.19	14.08	39.04	33.37	188	219	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15805.80	50.75	54.00	-3.25	30.48	16.54	37.69	33.96	237	101	Average	HORIZONTAL
2	15807.18	62.81	74.00	-11.19	42.54	16.54	37.69	33.96	237	101	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15807.20	50.80	54.00	-3.20	30.53	16.54	37.69	33.96	210	95	Average	VERTICAL
2	15807.29	63.69	74.00	-10.31	43.42	16.54	37.69	33.96	210	95	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.06	59.16	74.00	-14.84	41.63	12.75	38.40	33.62	205	104	Peak	HORIZONTAL
2	10615.91	46.22	54.00	-7.78	28.69	12.75	38.40	33.62	205	104	Average	HORIZONTAL
3	15927.41	51.59	54.00	-2.41	31.59	16.63	37.47	34.10	184	103	Average	HORIZONTAL
4	15934.79	64.17	74.00	-9.83	44.17	16.63	37.47	34.10	184	103	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10616.06	46.11	54.00	-7.89	28.58	12.75	38.40	33.62	234	118	Average	VERTICAL
2	10624.11	58.83	74.00	-15.17	41.25	12.80	38.40	33.62	234	118	Peak	VERTICAL
3	15927.18	51.66	54.00	-2.34	31.66	16.63	37.47	34.10	192	87	Average	VERTICAL
4	15930.57	64.64	74.00	-9.36	44.64	16.63	37.47	34.10	192	87	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**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	11016.59	44.96	54.00	-9.04	26.50	13.44	38.40	33.38	214	112	Average	HORIZONTAL
2	11022.90	57.88	74.00	-16.12	39.42	13.44	38.40	33.38	214	112	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	11015.23	44.94	54.00	-9.06	26.48	13.44	38.40	33.38	197	137	Average	VERTICAL
2	11016.12	57.82	74.00	-16.18	39.36	13.44	38.40	33.38	197	137	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.19	45.84	54.00	-8.16	27.06	13.60	38.56	33.38	205	137	Average	HORIZONTAL
2	11099.28	59.22	74.00	-14.78	40.44	13.60	38.56	33.38	205	137	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11096.82	58.22	74.00	-15.78	39.44	13.60	38.56	33.38	216	129	Peak	VERTICAL
2	11105.30	45.74	54.00	-8.26	26.96	13.60	38.56	33.38	216	129	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.04	60.17	74.00	-13.83	40.64	13.97	38.93	33.37	186	125	Peak	HORIZONTAL
2	11339.83	46.98	54.00	-7.02	27.45	13.97	38.93	33.37	186	125	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.90	46.89	54.00	-7.11	27.36	13.97	38.93	33.37	189	102	Average	VERTICAL
2	11344.35	59.99	74.00	-14.01	40.46	13.97	38.93	33.37	189	102	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15869.47	50.75	54.00	-3.25	30.62	16.57	37.62	34.06	150	26	Average	HORIZONTAL
2	15870.23	64.28	74.00	-9.72	44.15	16.57	37.62	34.06	150	26	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15869.53	50.81	54.00	-3.19	30.68	16.57	37.62	34.06	150	57	Average	VERTICAL
2	15870.95	63.81	74.00	-10.19	43.68	16.57	37.62	34.06	150	57	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.24	44.87	54.00	-9.13	26.31	13.49	38.45	33.38	150	84	Average	HORIZONTAL
2	11059.74	58.40	74.00	-15.60	39.84	13.49	38.45	33.38	150	84	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.70	58.48	74.00	-15.52	39.92	13.49	38.45	33.38	150	52	Peak	VERTICAL
2	11059.85	45.17	54.00	-8.83	26.61	13.49	38.45	33.38	150	52	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.68	47.26	54.00	-6.74	28.16	13.76	38.72	33.38	150	136	Average	HORIZONTAL
2	11220.74	60.38	74.00	-13.62	41.28	13.76	38.72	33.38	150	136	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.63	60.06	74.00	-13.94	40.96	13.76	38.72	33.38	150	115	Peak	VERTICAL
2	11220.80	47.13	54.00	-6.87	28.03	13.76	38.72	33.38	150	115	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.



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.94	47.40	54.00	-6.60	27.65	14.08	39.04	33.37	229	196	Average	HORIZONTAL
2	11399.72	60.80	74.00	-13.20	41.05	14.08	39.04	33.37	229	196	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.04	47.02	54.00	-6.98	27.27	14.08	39.04	33.37	246	190	Average	VERTICAL
2	11396.52	59.40	74.00	-14.60	39.65	14.08	39.04	33.37	247	190	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11418.56	46.72	54.00	-7.28	26.87	14.13	39.09	33.37	176	122	Average	HORIZONTAL
2	11420.74	59.72	74.00	-14.28	39.87	14.13	39.09	33.37	176	122	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11416.54	60.47	74.00	-13.53	40.72	14.08	39.04	33.37	173	116	Peak	VERTICAL
2	11422.52	46.78	54.00	-7.22	26.93	14.13	39.09	33.37	173	116	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.03	59.98	74.00	-14.02	40.33	14.03	38.99	33.37	150	177	Peak	HORIZONTAL
2	11380.16	47.07	54.00	-6.93	27.42	14.03	38.99	33.37	150	177	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.41	60.31	74.00	-13.69	40.66	14.03	38.99	33.37	150	156	Peak	VERTICAL
2	11380.51	47.06	54.00	-6.94	27.41	14.03	38.99	33.37	150	156	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.





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.76	63.83	74.00	-10.17	43.52	16.51	37.76	33.96	207	195	Peak	HORIZONTAL
2	15780.00	51.30	54.00	-2.70	30.99	16.51	37.76	33.96	207	195	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15775.72	64.37	74.00	-9.63	44.06	16.51	37.76	33.96	200	197	Peak	VERTICAL
2	15776.00	51.33	54.00	-2.67	31.02	16.51	37.76	33.96	200	197	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.06	59.35	74.00	-14.65	41.84	12.75	38.40	33.64	227	201	Peak	HORIZONTAL
2	10600.80	46.13	54.00	-7.87	28.62	12.75	38.40	33.64	227	201	Average	HORIZONTAL
3	15902.37	64.40	74.00	-9.60	44.31	16.60	37.55	34.06	234	196	Peak	HORIZONTAL
4	15904.33	51.28	54.00	-2.72	31.19	16.60	37.55	34.06	234	196	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.16	58.82	74.00	-15.18	41.31	12.75	38.40	33.64	215	208	Peak	VERTICAL
2	10600.21	46.07	54.00	-7.93	28.56	12.75	38.40	33.64	215	208	Average	VERTICAL
3	15896.14	64.15	74.00	-9.85	44.06	16.60	37.55	34.06	223	202	Peak	VERTICAL
4	15905.17	51.39	54.00	-2.61	31.30	16.60	37.55	34.06	223	202	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.10	59.82	74.00	-14.18	42.24	12.80	38.40	33.62	228	244	Peak	HORIZONTAL
2	10637.33	45.89	54.00	-8.11	28.31	12.80	38.40	33.62	228	244	Average	HORIZONTAL
3	15954.81	51.48	54.00	-2.52	31.48	16.63	37.47	34.10	256	250	Average	HORIZONTAL
4	15958.37	64.23	74.00	-9.77	44.23	16.63	37.47	34.10	256	250	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.83	59.34	74.00	-14.66	41.76	12.80	38.40	33.62	213	212	Peak	VERTICAL
2	10634.87	46.00	54.00	-8.00	28.42	12.80	38.40	33.62	213	212	Average	VERTICAL
3	15955.08	51.50	54.00	-2.50	31.50	16.63	37.47	34.10	216	212	Average	VERTICAL
4	15960.64	63.69	74.00	-10.31	43.69	16.63	37.47	34.10	216	212	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10997.48	45.71	54.00	-8.29	27.25	13.44	38.40	33.38	222	240	Average	HORIZONTAL
2	10999.72	58.33	74.00	-15.67	39.87	13.44	38.40	33.38	222	240	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10998.92	58.74	74.00	-15.26	40.28	13.44	38.40	33.38	204	217	Peak	VERTICAL
2	11001.48	45.59	54.00	-8.41	27.13	13.44	38.40	33.38	204	217	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11156.76	46.36	54.00	-7.64	27.36	13.71	38.67	33.38	225	220	Average	HORIZONTAL
2	11157.99	59.54	74.00	-14.46	40.54	13.71	38.67	33.38	225	220	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.91	46.02	54.00	-7.98	27.14	13.65	38.61	33.38	216	229	Average	VERTICAL
2	11161.23	59.13	74.00	-14.87	40.13	13.71	38.67	33.38	216	229	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.48	47.42	54.00	-6.58	27.67	14.08	39.04	33.37	211	204	Average	HORIZONTAL
2	11400.04	60.33	74.00	-13.67	40.58	14.08	39.04	33.37	211	204	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.70	47.52	54.00	-6.48	27.77	14.08	39.04	33.37	206	200	Average	VERTICAL
2	11395.61	60.06	74.00	-13.94	40.31	14.08	39.04	33.37	206	200	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15813.52	63.73	74.00	-10.27	43.46	16.54	37.69	33.96	196	131	Peak	HORIZONTAL
2	15814.05	51.22	54.00	-2.78	30.95	16.54	37.69	33.96	196	131	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.45	51.28	54.00	-2.72	31.01	16.54	37.69	33.96	198	147	Average	VERTICAL
2	15811.17	64.46	74.00	-9.54	44.19	16.54	37.69	33.96	198	147	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.23	46.27	54.00	-7.73	28.74	12.75	38.40	33.62	202	128	Average	HORIZONTAL
2	10616.21	59.84	74.00	-14.16	42.31	12.75	38.40	33.62	202	128	Peak	HORIZONTAL
3	15926.38	64.77	74.00	-9.23	44.77	16.63	37.47	34.10	197	122	Peak	HORIZONTAL
4	15931.00	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	197	122	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.94	58.45	74.00	-15.55	40.92	12.75	38.40	33.62	210	134	Peak	VERTICAL
2	10621.70	46.22	54.00	-7.78	28.64	12.80	38.40	33.62	210	134	Average	VERTICAL
3	15930.15	51.75	54.00	-2.25	31.75	16.63	37.47	34.10	220	144	Average	VERTICAL
4	15931.61	64.24	74.00	-9.76	44.24	16.63	37.47	34.10	220	144	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11015.38	45.31	54.00	-8.69	26.85	13.44	38.40	33.38	201	110	Average	HORIZONTAL
2	11023.94	58.94	74.00	-15.06	40.48	13.44	38.40	33.38	201	110	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.26	45.42	54.00	-8.58	26.96	13.44	38.40	33.38	208	112	Average	VERTICAL
2	11019.22	57.94	74.00	-16.06	39.48	13.44	38.40	33.38	208	112	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11096.40	46.05	54.00	-7.95	27.27	13.60	38.56	33.38	209	118	Average	HORIZONTAL
2	11099.34	59.25	74.00	-14.75	40.47	13.60	38.56	33.38	209	118	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11095.53	45.81	54.00	-8.19	27.03	13.60	38.56	33.38	187	105	Average	VERTICAL
2	11097.88	58.70	74.00	-15.30	39.92	13.60	38.56	33.38	187	105	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.79	47.55	54.00	-6.45	28.02	13.97	38.93	33.37	212	105	Average	HORIZONTAL
2	11339.98	60.75	74.00	-13.25	41.22	13.97	38.93	33.37	212	105	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.85	47.53	54.00	-6.47	28.00	13.97	38.93	33.37	203	88	Average	VERTICAL
2	11345.19	59.87	74.00	-14.13	40.34	13.97	38.93	33.37	203	88	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### 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	15864.95	63.85	74.00	-10.15	43.67	16.57	37.62	34.01	201	119	Peak	HORIZONTAL
2	15872.14	51.01	54.00	-2.99	30.88	16.57	37.62	34.06	201	119	Average	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	15864.72	63.81	74.00	-10.19	43.63	16.57	37.62	34.01	207	123	Peak	VERTICAL
2	15875.26	51.08	54.00	-2.92	30.99	16.60	37.55	34.06	207	123	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### 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	15865.78	51.14	54.00	-2.86	30.96	16.57	37.62	34.01	218	135	Average	HORIZONTAL
2	15870.76	63.56	74.00	-10.44	43.43	16.57	37.62	34.06	218	135	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	15869.02	63.85	74.00	-10.15	43.72	16.57	37.62	34.06	235	122	Peak	VERTICAL
2	15871.06	51.17	54.00	-2.83	31.04	16.57	37.62	34.06	235	122	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

#### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11221.23	60.46	74.00	-13.54	41.26	13.81	38.77	33.38	225	113	Peak	HORIZONTAL
2	11223.77	47.36	54.00	-6.64	28.16	13.81	38.77	33.38	225	113	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.21	47.62	54.00	-6.38	28.52	13.76	38.72	33.38	244	94	Average	VERTICAL
2	11222.31	60.15	74.00	-13.85	40.95	13.81	38.77	33.38	244	94	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**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11440.11	47.08	54.00	-6.92	27.23	14.13	39.09	33.37	196	186	Average	HORIZONTAL
2	11440.19	59.97	74.00	-14.03	40.12	14.13	39.09	33.37	196	186	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11436.91	47.25	54.00	-6.75	27.40	14.13	39.09	33.37	191	194	Average	VERTICAL
2	11443.05	60.18	74.00	-13.82	40.33	14.13	39.09	33.37	191	194	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11416.76	47.58	54.00	-6.42	27.83	14.08	39.04	33.37	190	95	Average	HORIZONTAL
2	11423.84	59.99	74.00	-14.01	40.14	14.13	39.09	33.37	190	95	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.74	47.64	54.00	-6.36	27.79	14.13	39.09	33.37	208	70	Average	VERTICAL
2	11423.96	60.32	74.00	-13.68	40.47	14.13	39.09	33.37	208	70	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 26, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

#### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.72	47.51	54.00	-6.49	27.86	14.03	38.99	33.37	179	159	Average	HORIZONTAL
2	11384.54	61.24	74.00	-12.76	41.49	14.08	39.04	33.37	179	159	Peak	HORIZONTAL

#### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11381.12	60.40	74.00	-13.60	40.75	14.03	38.99	33.37	203	168	Peak	VERTICAL
2	11381.65	47.57	54.00	-6.43	27.92	14.03	38.99	33.37	203	168	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.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.00	64.05	74.00	-9.95	43.74	16.51	37.76	33.96	150	139	Peak	HORIZONTAL
2	15780.00	50.67	54.00	-3.33	30.36	16.51	37.76	33.96	150	139	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.00	64.50	74.00	-9.50	44.19	16.51	37.76	33.96	150	121	Peak	VERTICAL
2	15780.00	50.79	54.00	-3.21	30.48	16.51	37.76	33.96	150	121	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.00	59.49	74.00	-14.51	41.98	12.75	38.40	33.64	150	181	Peak	HORIZONTAL
2	10600.00	45.87	54.00	-8.13	28.36	12.75	38.40	33.64	150	181	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.00	59.10	74.00	-14.90	41.59	12.75	38.40	33.64	150	167	Peak	VERTICAL
2	10600.00	45.99	54.00	-8.01	28.48	12.75	38.40	33.64	150	167	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10640.00	45.81	54.00	-8.19	28.20	12.80	38.40	33.59	150	208	Average	HORIZONTAL
2	10640.00	58.65	74.00	-15.35	41.04	12.80	38.40	33.59	150	208	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10640.00	45.67	54.00	-8.33	28.06	12.80	38.40	33.59	150	192	Average	VERTICAL
2	10640.00	58.57	74.00	-15.43	40.96	12.80	38.40	33.59	150	192	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.00	58.09	74.00	-15.91	39.63	13.44	38.40	33.38	150	238	Peak	HORIZONTAL
2	11000.00	44.72	54.00	-9.28	26.26	13.44	38.40	33.38	150	238	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.00	57.97	74.00	-16.03	39.51	13.44	38.40	33.38	150	218	Peak	VERTICAL
2	11000.00	44.67	54.00	-9.33	26.21	13.44	38.40	33.38	150	218	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.00	59.42	74.00	-14.58	40.42	13.71	38.67	33.38	150	260	Peak	HORIZONTAL
2	11160.00	46.25	54.00	-7.75	27.25	13.71	38.67	33.38	150	260	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.00	59.27	74.00	-14.73	40.27	13.71	38.67	33.38	150	249	Peak	VERTICAL
2	11160.00	46.35	54.00	-7.65	27.35	13.71	38.67	33.38	150	249	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.00	59.91	74.00	-14.09	40.16	14.08	39.04	33.37	150	308	Peak	HORIZONTAL
2	11400.00	46.77	54.00	-7.23	27.02	14.08	39.04	33.37	150	308	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.00	60.13	74.00	-13.87	40.38	14.08	39.04	33.37	150	283	Peak	VERTICAL
2	11400.00	46.83	54.00	-7.17	27.08	14.08	39.04	33.37	150	283	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.61	50.55	54.00	-3.45	30.28	16.54	37.69	33.96	150	124	Average	HORIZONTAL
2	15809.93	63.63	74.00	-10.37	43.36	16.54	37.69	33.96	150	124	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.60	63.80	74.00	-10.20	43.53	16.54	37.69	33.96	150	145	Peak	VERTICAL
2	15810.17	50.50	54.00	-3.50	30.23	16.54	37.69	33.96	150	145	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10619.89	59.25	74.00	-14.75	41.72	12.75	38.40	33.62	150	96	Peak	HORIZONTAL
2	10619.98	45.64	54.00	-8.36	28.11	12.75	38.40	33.62	150	96	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11020.04	44.66	54.00	-9.34	26.20	13.44	38.40	33.38	150	77	Average	VERTICAL
2	11020.12	58.48	74.00	-15.52	40.02	13.44	38.40	33.38	150	77	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**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	11019.72	44.77	54.00	-9.23	26.31	13.44	38.40	33.38	150	48 Average	HORIZONTAL
2	11020.27	58.40	74.00	-15.60	39.94	13.44	38.40	33.38	150	48 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	11020.04	44.66	54.00	-9.34	26.20	13.44	38.40	33.38	150	77 Average	VERTICAL
2	11020.12	58.48	74.00	-15.52	40.02	13.44	38.40	33.38	150	77 Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.81	45.26	54.00	-8.74	26.48	13.60	38.56	33.38	150	91	Average	HORIZONTAL
2	11100.30	58.59	74.00	-15.41	39.81	13.60	38.56	33.38	150	91	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.75	45.43	54.00	-8.57	26.65	13.60	38.56	33.38	150	71	Average	VERTICAL
2	11100.23	58.43	74.00	-15.57	39.65	13.60	38.56	33.38	150	71	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11340.04	59.61	74.00	-14.39	40.08	13.97	38.93	33.37	150	124	Peak	HORIZONTAL
2	11340.41	46.73	54.00	-7.27	27.20	13.97	38.93	33.37	150	124	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11340.04	60.12	74.00	-13.88	40.59	13.97	38.93	33.37	150	103	Peak	VERTICAL
2	11340.10	46.81	54.00	-7.19	27.28	13.97	38.93	33.37	150	103	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.36	50.59	54.00	-3.41	30.46	16.57	37.62	34.06	150	304	Average	HORIZONTAL
2	15870.40	64.16	74.00	-9.84	44.03	16.57	37.62	34.06	150	304	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.56	50.53	54.00	-3.47	30.40	16.57	37.62	34.06	150	286	Average	VERTICAL
2	15869.80	63.93	74.00	-10.07	43.80	16.57	37.62	34.06	150	286	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### 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	11059.68	44.89	54.00	-9.11	26.33	13.49	38.45	33.38	150	348	Average	HORIZONTAL
2	11059.84	58.24	74.00	-15.76	39.68	13.49	38.45	33.38	150	348	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	11059.78	57.73	74.00	-16.27	39.17	13.49	38.45	33.38	150	334	Peak	VERTICAL
2	11059.87	44.84	54.00	-9.16	26.28	13.49	38.45	33.38	150	334	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.10	60.05	74.00	-13.95	40.95	13.76	38.72	33.38	150	307	Peak	HORIZONTAL
2	11220.33	46.89	54.00	-7.11	27.79	13.76	38.72	33.38	150	307	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.31	60.74	74.00	-13.26	41.64	13.76	38.72	33.38	150	327	Peak	VERTICAL
2	11220.39	46.86	54.00	-7.14	27.76	13.76	38.72	33.38	150	327	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.



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**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	11440.00	59.08	74.00	-14.92	39.23	14.13	39.09	33.37	150	357	Peak	HORIZONTAL
2	11440.00	46.19	54.00	-7.81	26.34	14.13	39.09	33.37	150	357	Average	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	11440.00	46.43	54.00	-7.57	26.58	14.13	39.09	33.37	150	332	Average	VERTICAL
2	11440.00	59.84	74.00	-14.16	39.99	14.13	39.09	33.37	150	332	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.18	46.62	54.00	-7.38	26.77	14.13	39.09	33.37	150	173	Average	HORIZONTAL
2	11420.44	59.45	74.00	-14.55	39.60	14.13	39.09	33.37	150	173	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.57	46.51	54.00	-7.49	26.66	14.13	39.09	33.37	150	156	Average	VERTICAL
2	11420.38	60.50	74.00	-13.50	40.65	14.13	39.09	33.37	150	156	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 27, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.11	60.14	74.00	-13.86	40.49	14.03	38.99	33.37	150	257	Peak	HORIZONTAL
2	11380.19	46.88	54.00	-7.12	27.23	14.03	38.99	33.37	150	257	Average	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.98	59.63	74.00	-14.37	39.98	14.03	38.99	33.37	150	283	Peak	VERTICAL
2	11380.09	46.76	54.00	-7.24	27.11	14.03	38.99	33.37	150	283	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.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15785.01	63.51	74.00	-10.49	43.24	16.54	37.69	33.96	178	120	Peak	HORIZONTAL
2	15788.39	50.39	54.00	-3.61	30.12	16.54	37.69	33.96	178	120	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15773.08	63.32	74.00	-10.68	43.01	16.51	37.76	33.96	185	125	Peak	VERTICAL
2	15778.15	50.35	54.00	-3.65	30.04	16.51	37.76	33.96	185	125	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.48	45.84	54.00	-8.16	28.33	12.75	38.40	33.64	156	107	Average	HORIZONTAL
2	10608.08	58.38	74.00	-15.62	40.85	12.75	38.40	33.62	156	107	Peak	HORIZONTAL
3	15899.51	50.66	54.00	-3.34	30.57	16.60	37.55	34.06	164	116	Average	HORIZONTAL
4	15902.66	63.95	74.00	-10.05	43.86	16.60	37.55	34.06	164	116	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.61	58.03	74.00	-15.97	40.52	12.75	38.40	33.64	169	145	Peak	VERTICAL
2	10600.61	45.86	54.00	-8.14	28.35	12.75	38.40	33.64	169	145	Average	VERTICAL
3	15890.91	63.84	74.00	-10.16	43.75	16.60	37.55	34.06	181	140	Peak	VERTICAL
4	15895.08	50.80	54.00	-3.20	30.71	16.60	37.55	34.06	181	140	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.06	59.14	74.00	-14.86	41.53	12.80	38.40	33.59	178	162	Peak	HORIZONTAL
2	10644.20	48.20	54.00	-5.80	30.59	12.80	38.40	33.59	178	162	Average	HORIZONTAL
3	15954.76	63.09	74.00	-10.91	43.09	16.63	37.47	34.10	183	157	Peak	HORIZONTAL
4	15963.42	50.63	54.00	-3.37	30.63	16.63	37.47	34.10	183	157	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10644.05	46.26	54.00	-7.74	28.65	12.80	38.40	33.59	174	134	Average	VERTICAL
2	10646.11	59.40	74.00	-14.60	41.79	12.80	38.40	33.59	174	134	Peak	VERTICAL
3	15951.55	50.65	54.00	-3.35	30.65	16.63	37.47	34.10	169	139	Average	VERTICAL
4	15953.20	64.43	74.00	-9.57	44.43	16.63	37.47	34.10	169	139	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.72	59.57	74.00	-14.43	41.11	13.44	38.40	33.38	193	171	Peak	HORIZONTAL
2	11006.31	46.81	54.00	-7.19	28.35	13.44	38.40	33.38	193	171	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.39	46.63	54.00	-7.37	28.24	13.39	38.40	33.40	181	164	Average	VERTICAL
2	10993.55	59.63	74.00	-14.37	41.22	13.39	38.40	33.38	181	164	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.16	47.48	54.00	-6.52	28.48	13.71	38.67	33.38	210	210	Average	HORIZONTAL
2	11165.64	60.42	74.00	-13.58	41.42	13.71	38.67	33.38	210	210	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.25	47.54	54.00	-6.46	28.66	13.65	38.61	33.38	174	172	Average	VERTICAL
2	11165.04	61.23	74.00	-12.77	42.23	13.71	38.67	33.38	174	172	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.19	48.37	54.00	-5.63	28.62	14.08	39.04	33.37	215	206	Average	HORIZONTAL
2	11397.97	61.77	74.00	-12.23	42.02	14.08	39.04	33.37	215	206	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.36	48.39	54.00	-5.61	28.64	14.08	39.04	33.37	222	187	Average	VERTICAL
2	11403.82	61.51	74.00	-12.49	41.76	14.08	39.04	33.37	222	187	Peak	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15683.63	50.21	54.00	-3.79	29.72	16.45	37.91	33.87	203	143	Average	HORIZONTAL
2	15692.37	63.70	74.00	-10.30	43.25	16.48	37.84	33.87	203	143	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15681.69	50.11	54.00	-3.89	29.62	16.45	37.91	33.87	195	134	Average	VERTICAL
2	15693.39	62.77	74.00	-11.23	42.32	16.48	37.84	33.87	195	134	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.30	46.10	54.00	-7.90	28.57	12.75	38.40	33.62	214	153	Average	HORIZONTAL
2	10618.90	58.94	74.00	-15.06	41.41	12.75	38.40	33.62	214	153	Peak	HORIZONTAL
3	15930.90	50.65	54.00	-3.35	30.65	16.63	37.47	34.10	223	148	Average	HORIZONTAL
4	15931.45	63.18	74.00	-10.82	43.18	16.63	37.47	34.10	223	148	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10611.81	46.41	54.00	-7.59	28.88	12.75	38.40	33.62	224	158	Average	VERTICAL
2	10626.11	58.96	74.00	-15.04	41.38	12.80	38.40	33.62	224	158	Peak	VERTICAL
3	15931.62	50.69	54.00	-3.31	30.69	16.63	37.47	34.10	230	154	Average	VERTICAL
4	15938.97	63.82	74.00	-10.18	43.82	16.63	37.47	34.10	230	154	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11011.66	60.22	74.00	-13.78	41.76	13.44	38.40	33.38	222	138 Peak	HORIZONTAL
2	11015.14	46.65	54.00	-7.35	28.19	13.44	38.40	33.38	222	138 Average	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	11012.16	46.95	54.00	-7.05	28.49	13.44	38.40	33.38	227	139 Average	VERTICAL
2	11028.31	60.08	74.00	-13.92	41.52	13.49	38.45	33.38	227	139 Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11099.42	47.41	54.00	-6.59	28.63	13.60	38.56	33.38	216	126 Average	HORIZONTAL
2	11103.47	60.83	74.00	-13.17	42.05	13.60	38.56	33.38	216	126 Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11106.25	47.42	54.00	-6.58	28.64	13.60	38.56	33.38	211	118 Average	VERTICAL
2	11109.99	60.94	74.00	-13.06	42.16	13.60	38.56	33.38	211	118 Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11343.30	48.21	54.00	-5.79	28.68	13.97	38.93	33.37	201	132	Average	HORIZONTAL
2	11344.89	61.11	74.00	-12.89	41.58	13.97	38.93	33.37	201	132	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	11330.04	61.34	74.00	-12.66	41.81	13.97	38.93	33.37	205	126	Peak	VERTICAL
2	11333.83	48.23	54.00	-5.77	28.70	13.97	38.93	33.37	205	126	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.62	63.37	74.00	-10.63	43.24	16.57	37.62	34.06	137	311	Peak	HORIZONTAL
2	15870.64	51.15	54.00	-2.85	31.02	16.57	37.62	34.06	137	311	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.51	63.66	74.00	-10.34	43.53	16.57	37.62	34.06	139	303	Peak	VERTICAL
2	15870.34	51.10	54.00	-2.90	30.97	16.57	37.62	34.06	139	303	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.19	45.85	54.00	-8.15	27.17	13.55	38.51	33.38	132	321	Average	HORIZONTAL
2	11060.55	59.91	74.00	-14.09	41.23	13.55	38.51	33.38	132	321	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	11060.62	58.87	74.00	-15.13	40.19	13.55	38.51	33.38	136	301	Peak	VERTICAL
2	11060.90	45.55	54.00	-8.45	26.87	13.55	38.51	33.38	136	301	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.12	47.36	54.00	-6.64	28.26	13.76	38.72	33.38	126	310	Average	HORIZONTAL
2	11219.74	58.82	74.00	-15.18	39.72	13.76	38.72	33.38	126	310	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.45	47.02	54.00	-6.98	27.92	13.76	38.72	33.38	129	333	Average	VERTICAL
2	11219.59	61.05	74.00	-12.95	41.95	13.76	38.72	33.38	129	333	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**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11433.00	61.62	74.00	-12.38	41.77	14.13	39.09	33.37	231	126	Peak	HORIZONTAL
2	11442.14	48.12	54.00	-5.88	28.27	14.13	39.09	33.37	231	126	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.22	61.07	74.00	-12.93	41.22	14.13	39.09	33.37	233	165	Peak	VERTICAL
2	11441.13	48.13	54.00	-5.87	28.28	14.13	39.09	33.37	233	165	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11412.33	48.42	54.00	-5.58	28.67	14.08	39.04	33.37	217	102	Average	HORIZONTAL
2	11412.97	61.25	74.00	-12.75	41.50	14.08	39.04	33.37	217	102	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11411.58	48.41	54.00	-5.59	28.66	14.08	39.04	33.37	242	23	Average	VERTICAL
2	11413.55	61.83	74.00	-12.17	42.08	14.08	39.04	33.37	242	23	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	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	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.58	46.61	54.00	-7.39	26.96	14.03	38.99	33.37	121	314	Average	HORIZONTAL
2	11379.99	59.80	74.00	-14.20	40.15	14.03	38.99	33.37	121	314	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	11379.21	59.81	74.00	-14.19	40.16	14.03	38.99	33.37	123	301	Peak	VERTICAL
2	11379.45	46.32	54.00	-7.68	26.67	14.03	38.99	33.37	123	301	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.

## 4.7. Band Edge Emissions Measurement

### 4.7.1. 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

### 4.7.2. Measuring Instruments and Setting

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

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

### 4.7.3. Test Procedures

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

### 4.7.4. Test Setup Layout

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

### 4.7.5. Test Deviation

There is no deviation with the original standard.

### 4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.7.7. Test Result of Band Edge and Fundamental Emissions

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015 ~ Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

##### Channel 52

	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	5150.00	58.96	74.00	-15.04	50.12	8.15	33.74	33.05	221	332	Peak	VERTICAL
2	5150.00	48.32	54.00	-5.68	39.48	8.15	33.74	33.05	221	332	Average	VERTICAL
3	5252.20	119.55			110.43	8.27	33.91	33.06	221	332	Peak	VERTICAL
4	5252.20	109.42			100.30	8.27	33.91	33.06	221	332	Average	VERTICAL
5	5350.00	49.49	54.00	-4.51	40.29	8.20	34.06	33.06	221	332	Average	VERTICAL
6	5351.20	60.40	74.00	-13.60	51.20	8.20	34.06	33.06	221	332	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

##### Channel 60

	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	5299.20	109.76			100.60	8.24	33.98	33.06	228	39	Average	VERTICAL
2	5303.60	121.12			111.96	8.24	33.98	33.06	228	39	Peak	VERTICAL
3	5373.60	62.23	74.00	-11.77	53.00	8.18	34.11	33.06	228	39	Peak	VERTICAL
4	5376.00	49.93	54.00	-4.07	40.70	8.18	34.11	33.06	228	39	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

##### Channel 64

	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	5314.20	108.81			99.63	8.23	34.01	33.06	214	33	Average	VERTICAL
2	5314.80	121.49			112.31	8.23	34.01	33.06	214	33	Peak	VERTICAL
3	5350.00	52.21	54.00	-1.79	43.01	8.20	34.06	33.06	214	33	Average	VERTICAL
4	5350.20	64.37	74.00	-9.63	55.17	8.20	34.06	33.06	214	33	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 100**

	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	5453.60	63.84	74.00	-10.16	54.31	8.36	34.23	33.06	232	298	Peak	VERTICAL
2	5459.00	50.93	54.00	-3.07	41.40	8.36	34.23	33.06	232	298	Average	VERTICAL
3	5467.60	66.36	68.20	-1.84	56.76	8.41	34.25	33.06	232	298	Peak	VERTICAL
4	5495.00	120.89			111.21	8.46	34.28	33.06	232	298	Peak	VERTICAL
5	5495.40	108.20			98.45	8.51	34.30	33.06	232	298	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

	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	5437.20	50.01	54.00	-3.99	40.55	8.32	34.20	33.06	170	358	Average	HORIZONTAL
2	5454.60	62.13	74.00	-11.87	52.60	8.36	34.23	33.06	170	358	Peak	HORIZONTAL
3	5464.60	62.98	68.20	-5.22	53.38	8.41	34.25	33.06	170	358	Peak	HORIZONTAL
4	5584.80	114.84			104.83	8.75	34.35	33.09	170	358	Peak	HORIZONTAL
5	5587.20	104.06			94.05	8.75	34.35	33.09	170	358	Average	HORIZONTAL
6	5728.20	61.32	68.20	-6.88	51.55	8.47	34.44	33.14	170	358	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

	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	5695.20	116.66			106.81	8.56	34.42	33.13	150	350	Average	HORIZONTAL
2	5696.40	104.10			94.25	8.56	34.42	33.13	150	350	Peak	HORIZONTAL
3	5725.00	65.69	68.20	-2.51	55.91	8.47	34.44	33.13	150	350	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 54**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5272.00	107.84			98.70	8.26	33.94	33.06	224	339	Average	VERTICAL
2	5273.60	119.42			110.28	8.26	33.94	33.06	224	339	Peak	VERTICAL
3	5350.00	63.49	74.00	-10.51	54.29	8.20	34.06	33.06	224	339	Peak	VERTICAL
4	5350.80	50.64	54.00	-3.36	41.44	8.20	34.06	33.06	224	339	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5300.00	112.72			103.56	8.24	33.98	33.06	220	346	Peak	VERTICAL
2	5300.40	101.60			92.44	8.24	33.98	33.06	220	346	Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	43.55	8.20	34.06	33.06	220	346	Average	VERTICAL
4	5356.80	64.94	74.00	-9.06	55.73	8.19	34.08	33.06	220	346	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

### Channel 102

	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	5440.00	52.13	54.00	-1.87	42.67	8.32	34.20	33.06	146	300	Average	VERTICAL
2	5455.60	65.03	74.00	-8.97	55.50	8.36	34.23	33.06	146	300	Peak	VERTICAL
3	5465.60	67.01	68.20	-1.19	57.41	8.41	34.25	33.06	146	300	Peak	VERTICAL
4	5498.00	105.86			96.11	8.51	34.30	33.06	146	300	Average	VERTICAL
5	5520.40	117.40			107.60	8.56	34.31	33.07	146	300	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

### Channel 110

	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	5457.20	52.03	54.00	-1.97	42.50	8.36	34.23	33.06	136	26	Average	VERTICAL
2	5460.00	65.35	74.00	-8.65	55.82	8.36	34.23	33.06	136	26	Peak	VERTICAL
3	5470.00	67.12	68.20	-1.08	57.52	8.41	34.25	33.06	136	26	Peak	VERTICAL
4	5541.60	121.64			111.78	8.61	34.32	33.07	136	26	Peak	VERTICAL
5	5547.60	109.90			100.00	8.65	34.33	33.08	136	26	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

### Channel 134

	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	5668.40	107.54			97.61	8.64	34.40	33.11	180	31	Average	VERTICAL
2	5678.40	118.30			108.41	8.60	34.41	33.12	180	31	Peak	VERTICAL
3	5731.20	66.89	68.20	-1.31	57.12	8.47	34.44	33.14	180	31	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 58**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5051.00	49.01	54.00	-4.99	40.75	7.74	33.57	33.05	179	308	Average	VERTICAL
2	5059.00	61.20	74.00	-12.80	52.85	7.80	33.60	33.05	179	308	Peak	VERTICAL
3	5254.00	107.97			98.85	8.27	33.91	33.06	179	308	Peak	VERTICAL
4	5266.00	97.01			87.87	8.26	33.94	33.06	179	308	Average	VERTICAL
5	5350.00	52.97	54.00	-1.03	43.77	8.20	34.06	33.06	179	308	Average	VERTICAL
6	5377.00	64.60	74.00	-9.40	55.37	8.18	34.11	33.06	179	308	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5444.00	63.98	74.00	-10.02	54.52	8.32	34.20	33.06	178	33	Peak	VERTICAL
2	5459.00	52.27	54.00	-1.73	42.74	8.36	34.23	33.06	178	33	Average	VERTICAL
3	5463.00	52.60	54.00	-1.40	43.07	8.36	34.23	33.06	178	33	Average	VERTICAL
4	5469.00	69.16	74.00	-4.84	59.56	8.41	34.25	33.06	178	33	Peak	VERTICAL
5	5546.00	108.82			98.92	8.65	34.33	33.08	178	33	Peak	VERTICAL
6	5548.00	97.59			87.69	8.65	34.33	33.08	178	33	Average	VERTICAL
7	5771.00	61.69	74.00	-12.31	51.99	8.39	34.46	33.15	178	33	Peak	VERTICAL
8	5773.00	49.60	54.00	-4.40	39.93	8.35	34.47	33.15	178	33	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	63.95	74.00	-10.05	54.42	8.36	34.23	33.06	181	31	Peak	VERTICAL
2	5460.00	51.99	54.00	-2.01	42.46	8.36	34.23	33.06	181	31	Average	VERTICAL
3	5467.00	67.90	74.00	-6.10	58.30	8.41	34.25	33.06	181	31	Peak	VERTICAL
4	5470.00	52.59	54.00	-1.41	42.99	8.41	34.25	33.06	181	31	Average	VERTICAL
5	5582.00	104.68			94.67	8.75	34.35	33.09	181	31	Average	VERTICAL
6	5586.00	116.87			106.86	8.75	34.35	33.09	181	31	Peak	VERTICAL
7	5731.00	52.00	54.00	-2.00	42.23	8.47	34.44	33.14	181	31	Average	VERTICAL
8	5743.00	62.90	74.00	-11.10	53.16	8.43	34.45	33.14	181	31	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 144**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5724.20	106.46			96.68	8.47	34.44	33.13	215	352	Average	VERTICAL
2	5724.80	117.52			107.74	8.47	34.44	33.13	215	352	Peak	VERTICAL
3	5866.40	62.35	68.20	-5.85	52.37	8.64	34.52	33.18	215	352	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 142**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5711.80	107.92			98.11	8.51	34.43	33.13	183	47 Average	VERTICAL
2	5712.40	118.86			109.05	8.51	34.43	33.13	183	47 Peak	VERTICAL
3	5858.80	62.90	68.20	-5.30	52.91	8.64	34.52	33.17	183	47 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

**Channel 138**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	cm	deg	
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5693.00	114.88			105.03	8.56	34.42	33.13	174	40 Peak	VERTICAL
2	5697.00	103.12			93.27	8.56	34.42	33.13	174	40 Average	VERTICAL
3	5863.00	62.76	68.20	-5.44	52.78	8.64	34.52	33.18	174	40 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

### Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.60	60.87	74.00	-13.13	52.20	8.03	33.69	33.05	195	7	Peak	HORIZONTAL
2	5119.60	48.70	54.00	-5.30	40.03	8.03	33.69	33.05	195	7	Average	HORIZONTAL
3	5256.40	119.64			110.52	8.27	33.91	33.06	195	7	Peak	HORIZONTAL
4	5261.80	106.00			96.88	8.27	33.91	33.06	195	7	Average	HORIZONTAL
5	5363.80	61.72	74.00	-12.28	52.51	8.19	34.08	33.06	195	7	Peak	HORIZONTAL
6	5372.20	50.20	54.00	-3.80	40.97	8.18	34.11	33.06	195	7	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.80	109.62			100.46	8.24	33.98	33.06	207	0	Average	HORIZONTAL
2	5303.60	118.66			109.50	8.24	33.98	33.06	207	0	Peak	HORIZONTAL
3	5351.20	62.26	74.00	-11.74	53.06	8.20	34.06	33.06	207	0	Peak	HORIZONTAL
4	5354.40	50.62	54.00	-3.38	41.41	8.19	34.08	33.06	207	0	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.00	120.56			111.38	8.23	34.01	33.06	186	350	Peak	VERTICAL
2	5315.40	108.42			99.24	8.23	34.01	33.06	186	350	Average	VERTICAL
3	5350.60	52.83	54.00	-1.17	43.63	8.20	34.06	33.06	186	350	Average	VERTICAL
4	5351.60	67.37	74.00	-6.63	58.17	8.20	34.06	33.06	186	350	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

#### Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.80	64.48	74.00	-9.52	54.95	8.36	34.23	33.06	192	352	Peak	HORIZONTAL
2	5459.20	51.42	54.00	-2.58	41.89	8.36	34.23	33.06	192	352	Average	HORIZONTAL
3	5468.80	66.62	68.20	-1.58	57.02	8.41	34.25	33.06	192	352	Peak	HORIZONTAL
4	5503.20	110.05			100.30	8.51	34.30	33.06	192	352	Average	HORIZONTAL
5	5503.60	122.49			112.74	8.51	34.30	33.06	192	352	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

#### Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.60	62.00	74.00	-12.00	52.54	8.32	34.20	33.06	195	351	Peak	HORIZONTAL
2	5439.60	51.29	54.00	-2.71	41.83	8.32	34.20	33.06	195	351	Average	HORIZONTAL
3	5467.00	62.23	68.20	-5.97	52.63	8.41	34.25	33.06	195	351	Peak	HORIZONTAL
4	5577.60	123.47			113.45	8.75	34.35	33.08	195	351	Peak	HORIZONTAL
5	5578.20	111.81			101.80	8.75	34.35	33.09	195	351	Average	HORIZONTAL
6	5728.20	61.67	68.20	-6.53	51.90	8.47	34.44	33.14	195	351	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

#### Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.20	105.02			95.17	8.56	34.42	33.13	219	347	Average	VERTICAL
2	5705.00	117.34			107.49	8.56	34.42	33.13	219	347	Peak	VERTICAL
3	5725.00	67.19	68.20	-1.01	57.41	8.47	34.44	33.13	219	347	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**Channel 54**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.80	104.68			95.56	8.27	33.91	33.06	219	346	Average	VERTICAL
2	5281.20	117.32			108.17	8.25	33.96	33.06	219	346	Peak	VERTICAL
3	5356.40	62.63	74.00	-11.37	53.42	8.19	34.08	33.06	219	346	Peak	VERTICAL
4	5357.60	50.12	54.00	-3.88	40.91	8.19	34.08	33.06	219	346	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5300.00	100.33			91.17	8.24	33.98	33.06	205	350	Average	HORIZONTAL
2	5307.60	111.76			102.60	8.24	33.98	33.06	205	350	Peak	HORIZONTAL
3	5350.00	52.14	54.00	-1.86	42.94	8.20	34.06	33.06	205	350	Average	HORIZONTAL
4	5354.00	62.84	74.00	-11.16	53.64	8.20	34.06	33.06	205	350	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

### Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.00	52.85	54.00	-1.15	43.32	8.36	34.23	33.06	193	354	Average	HORIZONTAL
2	5460.00	70.53	74.00	-3.47	61.00	8.36	34.23	33.06	193	354	Peak	HORIZONTAL
3	5461.20	67.17	68.20	-1.03	57.64	8.36	34.23	33.06	193	354	Peak	HORIZONTAL
4	5501.20	119.37			109.62	8.51	34.30	33.06	193	354	Peak	HORIZONTAL
5	5520.40	106.25			96.45	8.56	34.31	33.07	193	354	Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

### Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.40	64.83	74.00	-9.17	55.30	8.36	34.23	33.06	184	357	Peak	HORIZONTAL
2	5459.20	51.29	54.00	-2.71	41.76	8.36	34.23	33.06	184	357	Average	HORIZONTAL
3	5468.80	66.34	68.20	-1.86	56.74	8.41	34.25	33.06	184	357	Peak	HORIZONTAL
4	5544.00	107.29			97.39	8.65	34.33	33.08	184	357	Average	HORIZONTAL
5	5544.80	122.49			112.59	8.65	34.33	33.08	184	357	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

### Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5675.60	106.96			97.07	8.60	34.41	33.12	199	348	Average	HORIZONTAL
2	5679.20	119.03			109.14	8.60	34.41	33.12	199	348	Peak	HORIZONTAL
3	5726.00	67.18	68.20	-1.02	57.40	8.47	34.44	33.13	199	348	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**Channel 58**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5099.00	48.85	54.00	-5.15	40.26	7.97	33.67	33.05	200	346	Average	HORIZONTAL
2	5136.00	60.16	74.00	-13.84	51.40	8.09	33.72	33.05	200	346	Peak	HORIZONTAL
3	5255.00	97.41			88.29	8.27	33.91	33.06	200	346	Average	HORIZONTAL
4	5266.00	110.21			101.07	8.26	33.94	33.06	200	346	Peak	HORIZONTAL
5	5358.00	65.77	74.00	-8.23	56.56	8.19	34.08	33.06	200	346	Peak	HORIZONTAL
6	5360.00	52.66	54.00	-1.34	43.45	8.19	34.08	33.06	200	346	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.00	63.95	74.00	-10.05	54.49	8.32	34.20	33.06	188	357	Peak	HORIZONTAL
2	5452.00	52.38	54.00	-1.62	42.85	8.36	34.23	33.06	188	357	Average	HORIZONTAL
3	5461.00	52.15	54.00	-1.85	42.62	8.36	34.23	33.06	188	357	Average	HORIZONTAL
4	5469.00	69.57	74.00	-4.43	59.97	8.41	34.25	33.06	188	357	Peak	HORIZONTAL
5	5524.00	108.58			98.78	8.56	34.31	33.07	188	357	Peak	HORIZONTAL
6	5526.00	96.08			86.28	8.56	34.31	33.07	188	357	Average	HORIZONTAL
7	5725.00	49.20	54.00	-4.80	39.42	8.47	34.44	33.13	188	357	Average	HORIZONTAL
8	5762.00	61.79	74.00	-12.21	52.08	8.39	34.46	33.14	188	357	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5449.00	63.99	74.00	-10.01	54.46	8.36	34.23	33.06	195	353	Peak	HORIZONTAL
2	5458.00	51.53	54.00	-2.47	42.00	8.36	34.23	33.06	195	353	Average	HORIZONTAL
3	5470.00	64.70	68.20	-3.50	55.10	8.41	34.25	33.06	195	353	Peak	HORIZONTAL
4	5621.00	104.34			94.31	8.76	34.37	33.10	195	353	Average	HORIZONTAL
5	5622.00	116.94			106.91	8.76	34.37	33.10	195	353	Peak	HORIZONTAL
6	5754.00	66.48	68.20	-1.72	56.74	8.43	34.45	33.14	195	353	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**Channel 144**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5715.80	109.83			100.02	8.51	34.43	33.13	193	356	Average	HORIZONTAL
2	5725.40	120.93			111.15	8.47	34.44	33.13	193	356	Peak	HORIZONTAL
3	5864.00	62.29	68.20	-5.91	52.31	8.64	34.52	33.18	193	356	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**Channel 142**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5707.60	113.79			103.98	8.51	34.43	33.13	214	335	Peak	VERTICAL
2	5713.00	102.68			92.87	8.51	34.43	33.13	214	335	Average	VERTICAL
3	5850.00	62.12	68.20	-6.08	52.22	8.56	34.51	33.17	214	335	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

**Channel 138**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	cm	deg		
1	5684.00	115.49			105.60	8.60	34.41	33.12	192	356 Peak	HORIZONTAL
2	5684.00	102.32			92.43	8.60	34.41	33.12	192	356 Average	HORIZONTAL
3	5863.00	64.53	68.20	-3.67	54.55	8.64	34.52	33.18	192	356 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 52

	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	5125.00	46.69	54.00	-7.31	41.85	6.04	33.27	34.47	356	163 Average	HORIZONTAL
2	5145.20	57.98	74.00	-16.02	53.03	6.11	33.31	34.47	356	163 Peak	HORIZONTAL
3	5252.80	119.11			113.77	6.35	33.46	34.47	356	163 Peak	HORIZONTAL
4	5252.80	108.45			103.11	6.35	33.46	34.47	356	163 Average	HORIZONTAL
5	5350.60	47.38	54.00	-6.62	41.68	6.58	33.59	34.47	356	163 Average	HORIZONTAL
6	5351.20	58.95	74.00	-15.05	53.25	6.58	33.59	34.47	356	163 Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	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	5294.80	119.77			114.25	6.47	33.52	34.47	351	197 Peak	HORIZONTAL
2	5304.40	108.68			103.16	6.47	33.52	34.47	351	197 Average	HORIZONTAL
3	5351.20	48.36	54.00	-5.64	42.66	6.58	33.59	34.47	351	197 Average	HORIZONTAL
4	5352.40	59.74	74.00	-14.26	54.04	6.58	33.59	34.47	351	197 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	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	5314.60	109.46			103.87	6.51	33.55	34.47	354	186 Average	HORIZONTAL
2	5316.20	122.72			117.13	6.51	33.55	34.47	354	186 Peak	HORIZONTAL
3	5351.20	62.96	74.00	-11.04	57.26	6.58	33.59	34.47	354	186 Peak	HORIZONTAL
4	5351.20	50.95	54.00	-3.05	45.25	6.58	33.59	34.47	354	186 Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5452.40	60.49	74.00	-13.51	54.43	6.79	33.74	34.47	25	131 Peak	VERTICAL
2	5458.80	49.23	54.00	-4.77	43.17	6.79	33.74	34.47	25	131 Average	VERTICAL
3	5470.00	63.24	74.00	-10.76	57.13	6.82	33.76	34.47	25	131 Peak	VERTICAL
4	5470.00	52.00	54.00	-2.00	45.89	6.82	33.76	34.47	25	131 Average	VERTICAL
5	5498.00	107.33			101.14	6.86	33.80	34.47	25	131 Average	VERTICAL
6	5502.80	118.90			112.71	6.86	33.80	34.47	25	131 Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

### Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5459.20	59.54	74.00	-14.46	53.48	6.79	33.74	34.47	340	176 Peak	HORIZONTAL
2	5460.00	47.55	54.00	-6.45	41.49	6.79	33.74	34.47	340	176 Average	HORIZONTAL
3	5468.80	48.05	54.00	-5.95	41.94	6.82	33.76	34.47	340	176 Average	HORIZONTAL
4	5469.20	59.36	74.00	-14.64	53.25	6.82	33.76	34.47	340	176 Peak	HORIZONTAL
5	5575.20	109.56			103.01	6.98	34.05	34.48	340	176 Average	HORIZONTAL
6	5577.60	121.40			114.85	6.98	34.05	34.48	340	176 Peak	HORIZONTAL
7	5725.00	47.63	54.00	-6.37	41.21	6.43	34.50	34.51	340	176 Average	HORIZONTAL
8	5727.40	60.15	74.00	-13.85	53.74	6.43	34.50	34.52	340	176 Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

### Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5701.40	104.91			98.45	6.57	34.40	34.51	355	187 Average	VERTICAL
2	5703.80	116.68			110.22	6.57	34.40	34.51	355	187 Peak	VERTICAL
3	5725.00	52.93	54.00	-1.07	46.51	6.43	34.50	34.51	355	187 Average	VERTICAL
4	5725.20	65.34	74.00	-8.66	58.92	6.43	34.50	34.51	355	187 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Channel 54**

	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	5271.80	106.97			101.57	6.39	33.48	34.47	4	172	Average	VERTICAL
2	5283.80	118.36			112.90	6.43	33.50	34.47	4	172	Peak	VERTICAL
3	5350.40	48.39	54.00	-5.61	42.69	6.58	33.59	34.47	4	172	Average	VERTICAL
4	5362.40	63.42	74.00	-10.58	57.66	6.62	33.61	34.47	4	172	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	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	5297.60	112.01			106.49	6.47	33.52	34.47	16	168	Peak	VERTICAL
2	5311.60	99.91			94.32	6.51	33.55	34.47	16	168	Average	VERTICAL
3	5350.40	51.66	54.00	-2.34	45.96	6.58	33.59	34.47	16	168	Average	VERTICAL
4	5351.20	63.57	74.00	-10.43	57.87	6.58	33.59	34.47	16	168	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.00	61.56	74.00	-12.44	55.50	6.79	33.74	34.47	337	156	Peak	VERTICAL
2	5460.00	48.74	54.00	-5.26	42.68	6.79	33.74	34.47	337	156	Average	VERTICAL
3	5469.60	52.31	54.00	-1.69	46.20	6.82	33.76	34.47	337	156	Average	VERTICAL
4	5470.00	67.74	74.00	-6.26	61.63	6.82	33.76	34.47	337	156	Peak	VERTICAL
5	5505.20	101.85			95.66	6.86	33.80	34.47	337	156	Average	VERTICAL
6	5507.60	114.46			108.27	6.86	33.80	34.47	337	156	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

### Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5455.80	62.31	74.00	-11.69	56.25	6.79	33.74	34.47	336	172	Peak	HORIZONTAL
2	5459.40	48.53	54.00	-5.47	42.47	6.79	33.74	34.47	336	172	Average	HORIZONTAL
3	5469.00	49.86	54.00	-4.14	43.75	6.82	33.76	34.47	336	172	Average	HORIZONTAL
4	5469.40	63.63	74.00	-10.37	57.52	6.82	33.76	34.47	336	172	Peak	HORIZONTAL
5	5557.80	119.74			113.34	6.93	33.95	34.48	336	172	Peak	HORIZONTAL
6	5559.00	107.22			100.82	6.93	33.95	34.48	336	172	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

### Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5667.20	118.69			112.17	6.72	34.30	34.50	345	166	Peak	HORIZONTAL
2	5668.00	107.36			100.84	6.72	34.30	34.50	345	166	Average	HORIZONTAL
3	5726.40	70.72	74.00	-3.28	64.31	6.43	34.50	34.52	345	166	Peak	HORIZONTAL
4	5731.20	50.79	54.00	-3.21	44.38	6.43	34.50	34.52	345	166	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Channel 58**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5124.00	59.15	74.00	-14.85	54.31	6.04	33.27	34.47	358	148	Peak	VERTICAL
2	5134.00	46.09	54.00	-7.91	41.20	6.07	33.29	34.47	358	148	Average	VERTICAL
3	5304.00	109.48			103.96	6.47	33.52	34.47	358	148	Peak	VERTICAL
4	5304.00	97.83			92.31	6.47	33.52	34.47	358	148	Average	VERTICAL
5	5350.00	52.57	54.00	-1.43	46.87	6.58	33.59	34.47	358	148	Average	VERTICAL
6	5354.00	65.55	74.00	-8.45	59.85	6.58	33.59	34.47	358	148	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.00	65.49	74.00	-8.51	59.43	6.79	33.74	34.47	344	140	Peak	VERTICAL
2	5460.00	52.25	54.00	-1.75	46.19	6.79	33.74	34.47	344	140	Average	VERTICAL
3	5462.00	52.45	54.00	-1.55	46.39	6.79	33.74	34.47	344	140	Average	VERTICAL
4	5463.00	66.90	74.00	-7.10	60.84	6.79	33.74	34.47	344	140	Peak	VERTICAL
5	5506.00	106.09			99.90	6.86	33.80	34.47	344	140	Peak	VERTICAL
6	5513.00	93.92			87.66	6.88	33.85	34.47	344	140	Average	VERTICAL
7	5725.00	47.22	54.00	-6.78	40.80	6.43	34.50	34.51	344	140	Average	VERTICAL
8	5768.00	60.11	74.00	-13.89	53.75	6.29	34.60	34.53	344	140	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5446.00	49.82	54.00	-4.18	43.80	6.77	33.72	34.47	13	173	Average	VERTICAL
2	5456.00	64.55	74.00	-9.45	58.49	6.79	33.74	34.47	13	173	Peak	VERTICAL
3	5467.00	67.39	74.00	-6.61	61.28	6.82	33.76	34.47	13	173	Peak	VERTICAL
4	5467.00	52.45	54.00	-1.55	46.34	6.82	33.76	34.47	13	173	Average	VERTICAL
5	5604.00	101.41			94.80	7.00	34.10	34.49	13	173	Average	VERTICAL
6	5605.00	113.49			106.88	7.00	34.10	34.49	13	173	Peak	VERTICAL
7	5728.00	50.10	54.00	-3.90	43.69	6.43	34.50	34.52	13	173	Average	VERTICAL
8	5740.00	62.10	74.00	-11.90	55.71	6.36	34.55	34.52	13	173	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Channel 144**

	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	5714.40	119.09			112.65	6.50	34.45	34.51	333	161	Peak	HORIZONTAL
2	5716.00	108.47			102.03	6.50	34.45	34.51	333	161	Average	HORIZONTAL
3	5850.00	48.10	54.00	-5.90	41.40	6.39	34.85	34.54	333	161	Average	HORIZONTAL
4	5861.20	59.28	74.00	-14.72	52.45	6.47	34.90	34.54	333	161	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Channel 142**

	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	5698.80	117.63			111.17	6.57	34.40	34.51	342	165	Peak	HORIZONTAL
2	5704.40	106.12			99.66	6.57	34.40	34.51	342	165	Average	HORIZONTAL
3	5859.60	60.43	74.00	-13.57	53.60	6.47	34.90	34.54	342	165	Peak	HORIZONTAL
4	5865.20	47.74	54.00	-6.26	40.91	6.47	34.90	34.54	342	165	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 24, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Channel 138**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5702.00	102.97			96.51	6.57	34.40	34.51	342	171 Average	HORIZONTAL
2	5704.00	115.38			108.92	6.57	34.40	34.51	342	171 Peak	HORIZONTAL
3	5851.00	49.03	54.00	-4.97	42.33	6.39	34.85	34.54	342	171 Average	HORIZONTAL
4	5868.00	62.66	74.00	-11.34	55.83	6.47	34.90	34.54	342	171 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5113.00	48.88	54.00	-5.12	40.21	8.03	33.69	33.05	234	5	Average	VERTICAL
2	5121.40	61.19	74.00	-12.81	52.52	8.03	33.69	33.05	234	5	Peak	VERTICAL
3	5251.60	112.48			103.36	8.27	33.91	33.06	234	5	Average	VERTICAL
4	5263.00	121.78			112.64	8.26	33.94	33.06	234	5	Peak	VERTICAL
5	5360.80	50.89	54.00	-3.11	41.68	8.19	34.08	33.06	234	5	Average	VERTICAL
6	5378.80	62.90	74.00	-11.10	53.67	8.18	34.11	33.06	234	5	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.00	111.06			101.90	8.24	33.98	33.06	250	360	Average	VERTICAL
2	5296.80	121.27			112.11	8.24	33.98	33.06	250	360	Peak	VERTICAL
3	5350.40	51.31	54.00	-2.69	42.11	8.20	34.06	33.06	250	360	Average	VERTICAL
4	5386.40	62.64	74.00	-11.36	53.40	8.17	34.13	33.06	250	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.80	108.97			99.79	8.23	34.01	33.06	212	332	Average	VERTICAL
2	5316.20	120.33			111.15	8.23	34.01	33.06	212	332	Peak	VERTICAL
3	5350.80	52.67	54.00	-1.33	43.47	8.20	34.06	33.06	212	332	Average	VERTICAL
4	5351.40	64.70	74.00	-9.30	55.50	8.20	34.06	33.06	212	332	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 100**

	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	5458.00	67.43	74.00	-6.57	57.90	8.36	34.23	33.06	152	9 Peak	HORIZONTAL
2	5459.20	52.20	54.00	-1.80	42.67	8.36	34.23	33.06	152	9 Average	HORIZONTAL
3	5467.20	66.44	68.20	-1.76	56.84	8.41	34.25	33.06	152	9 Peak	HORIZONTAL
4	5498.00	122.32			112.57	8.51	34.30	33.06	152	9 Peak	HORIZONTAL
5	5498.40	111.06			101.31	8.51	34.30	33.06	152	9 Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

**Channel 116**

	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	5440.00	62.66	74.00	-11.34	53.20	8.32	34.20	33.06	201	342 Peak	VERTICAL
2	5440.00	51.66	54.00	-2.34	42.20	8.32	34.20	33.06	201	342 Average	VERTICAL
3	5465.20	62.90	68.20	-5.30	53.30	8.41	34.25	33.06	201	342 Peak	VERTICAL
4	5584.00	122.47			112.46	8.75	34.35	33.09	201	342 Peak	VERTICAL
5	5584.00	111.78			101.77	8.75	34.35	33.09	201	342 Average	VERTICAL
6	5715.20	61.47	68.20	-6.73	51.66	8.51	34.43	33.13	201	342 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

**Channel 140**

	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	5695.20	119.58			109.73	8.56	34.42	33.13	220	360 Peak	VERTICAL
2	5697.00	108.00			98.15	8.56	34.42	33.13	220	360 Average	VERTICAL
3	5725.00	66.95	68.20	-1.25	57.17	8.47	34.44	33.13	220	360 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 54**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5258.40	121.30			112.18	8.27	33.91	33.06	267	344	Peak	VERTICAL
2	5264.00	108.62			99.48	8.26	33.94	33.06	267	344	Average	VERTICAL
3	5350.00	50.69	54.00	-3.31	41.49	8.20	34.06	33.06	267	344	Average	VERTICAL
4	5352.40	63.84	74.00	-10.16	54.64	8.20	34.06	33.06	267	344	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5304.80	100.90			91.74	8.24	33.98	33.06	242	357	Average	VERTICAL
2	5305.60	113.37			104.21	8.24	33.98	33.06	242	357	Peak	VERTICAL
3	5350.40	52.52	54.00	-1.48	43.32	8.20	34.06	33.06	242	357	Average	VERTICAL
4	5374.40	71.98	74.00	-2.02	62.75	8.18	34.11	33.06	242	357	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 102**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	62.57	74.00	-11.43	53.04	8.36	34.23	33.06	109	358	Peak	HORIZONTAL
2	5459.60	51.19	54.00	-2.81	41.66	8.36	34.23	33.06	109	358	Average	HORIZONTAL
3	5467.20	67.18	68.20	-1.02	57.58	8.41	34.25	33.06	109	358	Peak	HORIZONTAL
4	5499.20	101.53			91.78	8.51	34.30	33.06	109	358	Average	HORIZONTAL
5	5504.80	112.44			102.69	8.51	34.30	33.06	109	358	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

**Channel 110**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.80	63.66	74.00	-10.34	54.13	8.36	34.23	33.06	242	355	Peak	VERTICAL
2	5458.80	51.30	54.00	-2.70	41.77	8.36	34.23	33.06	242	355	Average	VERTICAL
3	5468.80	66.50	68.20	-1.70	56.90	8.41	34.25	33.06	242	355	Peak	VERTICAL
4	5535.60	120.15			110.29	8.61	34.32	33.07	242	355	Peak	VERTICAL
5	5544.40	108.18			98.28	8.65	34.33	33.08	242	355	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

**Channel 134**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.80	117.09			107.20	8.60	34.41	33.12	241	356	Peak	VERTICAL
2	5682.80	104.47			94.58	8.60	34.41	33.12	241	356	Average	VERTICAL
3	5726.80	66.79	68.20	-1.41	57.02	8.47	34.44	33.14	241	356	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

### Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5042.00	48.46	54.00	-5.54	40.20	7.74	33.57	33.05	200	342	Average	VERTICAL
2	5051.00	61.40	74.00	-12.60	53.14	7.74	33.57	33.05	200	342	Peak	VERTICAL
3	5255.00	111.74			102.62	8.27	33.91	33.06	200	342	Peak	VERTICAL
4	5258.00	100.50			91.38	8.27	33.91	33.06	200	342	Average	VERTICAL
5	5354.00	65.53	74.00	-8.47	56.33	8.20	34.06	33.06	200	342	Peak	VERTICAL
6	5357.00	52.97	54.00	-1.03	43.76	8.19	34.08	33.06	200	342	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

### Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	65.68	74.00	-8.32	56.15	8.36	34.23	33.06	232	349	Peak	VERTICAL
2	5459.00	52.99	54.00	-1.01	43.46	8.36	34.23	33.06	232	349	Average	VERTICAL
3	5461.00	65.58	68.20	-2.62	56.05	8.36	34.23	33.06	232	349	Peak	VERTICAL
4	5506.00	105.72			95.98	8.51	34.30	33.07	232	349	Peak	VERTICAL
5	5517.00	93.49			83.69	8.56	34.31	33.07	232	349	Average	VERTICAL
6	5759.00	62.09	68.20	-6.11	52.38	8.39	34.46	33.14	232	349	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

### Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	65.45	74.00	-8.55	55.92	8.36	34.23	33.06	251	354	Peak	VERTICAL
2	5457.00	52.43	54.00	-1.57	42.90	8.36	34.23	33.06	251	354	Average	VERTICAL
3	5462.00	65.74	68.20	-2.46	56.21	8.36	34.23	33.06	251	354	Peak	VERTICAL
4	5602.00	114.39			104.33	8.80	34.36	33.10	251	354	Peak	VERTICAL
5	5604.00	100.97			90.91	8.80	34.36	33.10	251	354	Average	VERTICAL
6	5725.00	64.65	68.20	-3.55	54.87	8.47	34.44	33.13	251	354	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 144**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	109.08			99.27	8.51	34.43	33.13	241	358	Average	VERTICAL
2	5714.60	118.95			109.14	8.51	34.43	33.13	241	358	Peak	VERTICAL
3	5857.40	62.80	68.20	-5.40	52.81	8.64	34.52	33.17	241	358	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 142**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	cm	deg		
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5713.00	103.21			93.40	8.51	34.43	33.13	148	357 Average	HORIZONTAL
2	5727.40	115.12			105.35	8.47	34.44	33.14	148	357 Peak	HORIZONTAL
3	5850.00	62.04	68.20	-6.16	52.14	8.56	34.51	33.17	148	357 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 23, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

**Channel 138**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5671.00	116.12			106.20	8.64	34.40	33.12	247	360	Peak	VERTICAL
2	5673.00	103.73			93.84	8.60	34.41	33.12	247	360	Average	VERTICAL
3	5862.00	64.19	68.20	-4.01	54.21	8.64	34.52	33.18	247	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Channel 52

	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	5123.80	59.08	74.00	-14.92	54.24	6.04	33.27	34.47	357	158 Peak	HORIZONTAL
2	5150.00	45.89	54.00	-8.11	40.94	6.11	33.31	34.47	357	158 Average	HORIZONTAL
3	5253.40	106.29			100.95	6.35	33.46	34.47	357	158 Average	HORIZONTAL
4	5254.00	117.81			112.47	6.35	33.46	34.47	357	158 Peak	HORIZONTAL
5	5360.20	47.12	54.00	-6.88	41.36	6.62	33.61	34.47	357	158 Average	HORIZONTAL
6	5377.00	60.30	74.00	-13.70	54.48	6.66	33.63	34.47	357	158 Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	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	5307.60	117.91			112.39	6.47	33.52	34.47	356	175 Peak	HORIZONTAL
2	5308.00	107.20			101.61	6.51	33.55	34.47	356	175 Average	HORIZONTAL
3	5355.60	47.50	54.00	-6.50	41.74	6.62	33.61	34.47	356	175 Average	HORIZONTAL
4	5356.00	60.78	74.00	-13.22	55.02	6.62	33.61	34.47	356	175 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	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	5313.80	118.80			113.21	6.51	33.55	34.47	349	171 Peak	HORIZONTAL
2	5314.00	107.51			101.92	6.51	33.55	34.47	349	171 Average	HORIZONTAL
3	5350.00	62.10	74.00	-11.90	56.40	6.58	33.59	34.47	349	171 Peak	HORIZONTAL
4	5350.00	48.84	54.00	-5.16	43.14	6.58	33.59	34.47	349	171 Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.20	61.47	74.00	-12.53	55.41	6.79	33.74	34.47	360	141	Peak	HORIZONTAL
2	5459.20	48.80	54.00	-5.20	42.74	6.79	33.74	34.47	360	141	Average	HORIZONTAL
3	5468.20	64.10	74.00	-9.90	57.99	6.82	33.76	34.47	360	141	Peak	HORIZONTAL
4	5469.40	50.64	54.00	-3.36	44.53	6.82	33.76	34.47	360	141	Average	HORIZONTAL
5	5496.00	119.29			113.10	6.86	33.80	34.47	360	141	Peak	HORIZONTAL
6	5497.20	105.99			99.80	6.86	33.80	34.47	360	141	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

### Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.80	47.27	54.00	-6.73	41.25	6.77	33.72	34.47	3	153	Average	HORIZONTAL
2	5448.80	60.24	74.00	-13.76	54.18	6.79	33.74	34.47	3	153	Peak	HORIZONTAL
3	5470.00	59.20	74.00	-14.80	53.09	6.82	33.76	34.47	3	153	Peak	HORIZONTAL
4	5470.00	47.15	54.00	-6.85	41.04	6.82	33.76	34.47	3	153	Average	HORIZONTAL
5	5575.20	116.56			110.01	6.98	34.05	34.48	3	153	Peak	HORIZONTAL
6	5576.80	105.17			98.62	6.98	34.05	34.48	3	153	Average	HORIZONTAL
7	5725.00	47.13	54.00	-6.87	40.71	6.43	34.50	34.51	3	153	Average	HORIZONTAL
8	5743.20	59.67	74.00	-14.33	53.28	6.36	34.55	34.52	3	153	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

### Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5696.20	105.23			98.77	6.57	34.40	34.51	353	176	Average	VERTICAL
2	5698.80	117.37			110.91	6.57	34.40	34.51	353	176	Peak	VERTICAL
3	5725.00	52.91	54.00	-1.09	46.49	6.43	34.50	34.51	353	176	Average	VERTICAL
4	5725.20	67.33	74.00	-6.67	60.91	6.43	34.50	34.51	353	176	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

#### Channel 54

	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	5262.80	116.17			110.77	6.39	33.48	34.47	356	161	Peak	HORIZONTAL
2	5268.00	103.90			98.50	6.39	33.48	34.47	356	161	Average	HORIZONTAL
3	5350.80	58.63	74.00	-15.37	52.93	6.58	33.59	34.47	356	161	Peak	HORIZONTAL
4	5352.80	46.27	54.00	-7.73	40.57	6.58	33.59	34.47	356	161	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

#### Channel 62

	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	5297.60	109.47			103.95	6.47	33.52	34.47	350	156	Peak	VERTICAL
2	5301.60	98.32			92.80	6.47	33.52	34.47	350	156	Average	VERTICAL
3	5352.40	63.37	74.00	-10.63	57.67	6.58	33.59	34.47	350	156	Peak	VERTICAL
4	5352.80	52.87	54.00	-1.13	47.17	6.58	33.59	34.47	350	156	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5459.20	60.15	74.00	-13.85	54.09	6.79	33.74	34.47	359	160	Peak	VERTICAL
2	5460.00	47.94	54.00	-6.06	41.88	6.79	33.74	34.47	359	160	Average	VERTICAL
3	5465.60	50.63	54.00	-3.37	44.52	6.82	33.76	34.47	359	160	Average	VERTICAL
4	5468.00	62.12	74.00	-11.88	56.01	6.82	33.76	34.47	359	160	Peak	VERTICAL
5	5521.60	113.32			107.06	6.88	33.85	34.47	359	160	Peak	VERTICAL
6	5523.60	101.21			94.95	6.88	33.85	34.47	359	160	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

### Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5450.40	46.48	54.00	-7.52	40.42	6.79	33.74	34.47	1	131	Average	HORIZONTAL
2	5457.60	61.77	74.00	-12.23	55.71	6.79	33.74	34.47	1	131	Peak	HORIZONTAL
3	5469.40	60.67	74.00	-13.33	54.56	6.82	33.76	34.47	1	131	Peak	HORIZONTAL
4	5469.60	48.44	54.00	-5.56	42.33	6.82	33.76	34.47	1	131	Average	HORIZONTAL
5	5547.00	104.83			98.43	6.93	33.95	34.48	1	131	Average	HORIZONTAL
6	5547.60	116.17			109.77	6.93	33.95	34.48	1	131	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

### Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5660.00	116.15			109.63	6.72	34.30	34.50	354	181	Peak	VERTICAL
2	5660.80	104.47			97.95	6.72	34.30	34.50	354	181	Average	VERTICAL
3	5725.60	62.85	74.00	-11.15	56.43	6.43	34.50	34.51	354	181	Peak	VERTICAL
4	5726.00	49.85	54.00	-4.15	43.43	6.43	34.50	34.51	354	181	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

### Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5139.00	56.33	74.00	-17.67	51.44	6.07	33.29	34.47	355	171	Peak	HORIZONTAL
2	5150.00	46.03	54.00	-7.97	41.08	6.11	33.31	34.47	355	171	Average	HORIZONTAL
3	5273.00	108.91			103.51	6.39	33.48	34.47	355	171	Peak	HORIZONTAL
4	5275.00	96.14			90.74	6.39	33.48	34.47	355	171	Average	HORIZONTAL
5	5372.00	52.93	54.00	-1.07	47.11	6.66	33.63	34.47	355	171	Average	HORIZONTAL
6	5384.00	65.46	74.00	-8.54	59.64	6.66	33.63	34.47	355	171	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

### Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5438.00	66.43	74.00	-7.57	60.41	6.77	33.72	34.47	359	167	Peak	HORIZONTAL
2	5457.00	52.67	54.00	-1.33	46.61	6.79	33.74	34.47	359	167	Average	HORIZONTAL
3	5470.00	64.71	74.00	-9.29	58.60	6.82	33.76	34.47	359	167	Peak	HORIZONTAL
4	5470.00	52.97	54.00	-1.03	46.86	6.82	33.76	34.47	359	167	Average	HORIZONTAL
5	5504.00	105.67			99.48	6.86	33.80	34.47	359	167	Peak	HORIZONTAL
6	5547.00	90.61			84.21	6.93	33.95	34.48	359	167	Average	HORIZONTAL
7	5725.00	58.42	74.00	-15.58	52.00	6.43	34.50	34.51	359	167	Peak	HORIZONTAL
8	5725.00	46.07	54.00	-7.93	39.65	6.43	34.50	34.51	359	167	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

### Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5448.00	48.54	54.00	-5.46	42.48	6.79	33.74	34.47	355	172	Average	HORIZONTAL
2	5457.00	63.33	74.00	-10.67	57.27	6.79	33.74	34.47	355	172	Peak	HORIZONTAL
3	5470.00	62.17	74.00	-11.83	56.06	6.82	33.76	34.47	355	172	Peak	HORIZONTAL
4	5470.00	50.88	54.00	-3.12	44.77	6.82	33.76	34.47	355	172	Average	HORIZONTAL
5	5627.00	108.83			102.27	6.86	34.20	34.50	355	172	Peak	HORIZONTAL
6	5633.00	97.28			90.72	6.86	34.20	34.50	355	172	Average	HORIZONTAL
7	5726.00	63.04	74.00	-10.96	56.62	6.43	34.50	34.51	355	172	Peak	HORIZONTAL
8	5730.00	51.06	54.00	-2.94	44.65	6.43	34.50	34.52	355	172	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Channel 144**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5714.40	106.86			100.42	6.50	34.45	34.51	354	149 Average	HORIZONTAL
2	5717.60	117.93			111.49	6.50	34.45	34.51	354	149 Peak	HORIZONTAL
3	5896.00	62.66	74.00	-11.34	55.58	6.63	35.00	34.55	354	149 Peak	HORIZONTAL
4	5896.80	48.54	54.00	-5.46	41.46	6.63	35.00	34.55	354	149 Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Channel 142**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5706.80	102.81			96.37	6.50	34.45	34.51	350	181 Average	HORIZONTAL
2	5711.60	114.12			107.68	6.50	34.45	34.51	350	181 Peak	HORIZONTAL
3	5850.00	46.48	54.00	-7.52	39.78	6.39	34.85	34.54	350	181 Average	HORIZONTAL
4	5854.00	57.65	74.00	-16.35	50.95	6.39	34.85	34.54	350	181 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

**Channel 138**

	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	5713.00	110.42			103.98	6.50	34.45	34.51	352	183	Peak	HORIZONTAL
2	5714.00	99.88			93.44	6.50	34.45	34.51	352	183	Average	HORIZONTAL
3	5859.00	47.27	54.00	-6.73	40.44	6.47	34.90	34.54	352	183	Average	HORIZONTAL
4	5875.00	59.11	74.00	-14.89	52.15	6.55	34.95	34.54	352	183	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5143.60	57.42	74.00	-16.58	52.47	6.11	33.31	34.47	2	187 Peak	HORIZONTAL
2	5150.00	45.54	54.00	-8.46	40.59	6.11	33.31	34.47	2	187 Average	HORIZONTAL
3	5255.20	121.08			115.74	6.35	33.46	34.47	2	187 Peak	HORIZONTAL
4	5255.20	109.91			104.57	6.35	33.46	34.47	2	187 Average	HORIZONTAL
5	5354.20	46.90	54.00	-7.10	41.14	6.62	33.61	34.47	2	187 Average	HORIZONTAL
6	5356.00	59.43	74.00	-14.57	53.67	6.62	33.61	34.47	2	187 Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5292.00	110.59			105.13	6.43	33.50	34.47	356	176 Average	VERTICAL
2	5295.20	121.71			116.19	6.47	33.52	34.47	356	176 Peak	VERTICAL
3	5352.00	47.78	54.00	-6.22	42.08	6.58	33.59	34.47	356	176 Average	VERTICAL
4	5392.40	59.00	74.00	-15.00	53.12	6.70	33.65	34.47	356	176 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5324.20	109.43			103.78	6.55	33.57	34.47	350	188 Average	VERTICAL
2	5325.00	121.29			115.64	6.55	33.57	34.47	350	188 Peak	VERTICAL
3	5350.40	64.80	74.00	-9.20	59.10	6.58	33.59	34.47	350	188 Peak	VERTICAL
4	5352.00	50.63	54.00	-3.37	44.93	6.58	33.59	34.47	350	188 Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.40	48.38	54.00	-5.62	42.32	6.79	33.74	34.47	2	177	Average	HORIZONTAL
2	5460.00	59.95	74.00	-14.05	53.89	6.79	33.74	34.47	2	177	Peak	HORIZONTAL
3	5468.80	64.08	74.00	-9.92	57.97	6.82	33.76	34.47	2	177	Peak	HORIZONTAL
4	5470.00	52.96	54.00	-1.04	46.85	6.82	33.76	34.47	2	177	Average	HORIZONTAL
5	5494.40	107.63			101.48	6.84	33.78	34.47	2	177	Average	HORIZONTAL
6	5497.40	120.07			113.88	6.86	33.80	34.47	2	177	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

### Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5436.00	46.78	54.00	-7.22	40.76	6.77	33.72	34.47	359	162	Average	HORIZONTAL
2	5452.20	58.10	74.00	-15.90	52.04	6.79	33.74	34.47	359	162	Peak	HORIZONTAL
3	5466.60	46.96	54.00	-7.04	40.85	6.82	33.76	34.47	359	162	Average	HORIZONTAL
4	5467.00	59.07	74.00	-14.93	52.96	6.82	33.76	34.47	359	162	Peak	HORIZONTAL
5	5577.60	120.28			113.73	6.98	34.05	34.48	359	162	Peak	HORIZONTAL
6	5581.80	108.82			102.28	6.98	34.05	34.49	359	162	Average	HORIZONTAL
7	5725.00	58.63	74.00	-15.37	52.21	6.43	34.50	34.51	359	162	Peak	HORIZONTAL
8	5725.00	46.86	54.00	-7.14	40.44	6.43	34.50	34.51	359	162	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

### Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5704.00	103.83			97.37	6.57	34.40	34.51	4	160	Average	HORIZONTAL
2	5704.80	115.66			109.20	6.57	34.40	34.51	4	160	Peak	HORIZONTAL
3	5725.00	66.28	74.00	-7.72	59.86	6.43	34.50	34.51	4	160	Peak	HORIZONTAL
4	5725.00	52.55	54.00	-1.45	46.13	6.43	34.50	34.51	4	160	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Channel 54**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5255.60	107.35			102.01	6.35	33.46	34.47	3	166 Average	HORIZONTAL
2	5262.80	119.44			114.04	6.39	33.48	34.47	3	166 Peak	HORIZONTAL
3	5351.00	47.17	54.00	-6.83	41.47	6.58	33.59	34.47	3	166 Average	HORIZONTAL
4	5363.60	61.16	74.00	-12.84	55.40	6.62	33.61	34.47	3	166 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	5305.20	113.55			108.03	6.47	33.52	34.47	357	196 Peak	VERTICAL
2	5313.20	101.40			95.81	6.51	33.55	34.47	357	196 Average	VERTICAL
3	5350.00	52.94	54.00	-1.06	47.24	6.58	33.59	34.47	357	196 Average	VERTICAL
4	5352.80	67.97	74.00	-6.03	62.27	6.58	33.59	34.47	357	196 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

### Channel 102

	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	5460.00	59.39	74.00	-14.61	53.33	6.79	33.74	34.47	353	161 Peak	HORIZONTAL
2	5460.00	47.73	54.00	-6.27	41.67	6.79	33.74	34.47	353	161 Average	HORIZONTAL
3	5469.60	67.28	74.00	-6.72	61.17	6.82	33.76	34.47	353	161 Peak	HORIZONTAL
4	5470.00	52.87	54.00	-1.13	46.76	6.82	33.76	34.47	353	161 Average	HORIZONTAL
5	5514.00	110.51			104.25	6.88	33.85	34.47	353	161 Peak	HORIZONTAL
6	5516.80	98.98			92.72	6.88	33.85	34.47	353	161 Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

### Channel 110

	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	5456.40	62.61	74.00	-11.39	56.55	6.79	33.74	34.47	356	148 Peak	VERTICAL
2	5459.40	48.48	54.00	-5.52	42.42	6.79	33.74	34.47	356	148 Average	VERTICAL
3	5470.00	64.81	74.00	-9.19	58.70	6.82	33.76	34.47	356	148 Peak	VERTICAL
4	5470.00	50.45	54.00	-3.55	44.34	6.82	33.76	34.47	356	148 Average	VERTICAL
5	5553.60	117.70			111.30	6.93	33.95	34.48	356	148 Peak	VERTICAL
6	5554.20	105.64			99.24	6.93	33.95	34.48	356	148 Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

### Channel 134

	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	5662.00	105.27			98.75	6.72	34.30	34.50	359	200 Average	VERTICAL
2	5662.40	117.85			111.33	6.72	34.30	34.50	359	200 Peak	VERTICAL
3	5725.00	49.31	54.00	-4.69	42.89	6.43	34.50	34.51	359	200 Average	VERTICAL
4	5726.00	70.45	74.00	-3.55	64.03	6.43	34.50	34.51	359	200 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Channel 58**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5109.00	44.79	54.00	-9.21	40.00	6.01	33.25	34.47	6	207	Average	VERTICAL
2	5138.00	58.03	74.00	-15.97	53.14	6.07	33.29	34.47	6	207	Peak	VERTICAL
3	5303.00	92.92			87.40	6.47	33.52	34.47	6	207	Average	VERTICAL
4	5311.00	104.36			98.77	6.51	33.55	34.47	6	207	Peak	VERTICAL
5	5350.00	51.17	54.00	-2.83	45.47	6.58	33.59	34.47	6	207	Average	VERTICAL
6	5357.00	62.85	74.00	-11.15	57.09	6.62	33.61	34.47	6	207	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

**Channel 106**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.00	64.08	74.00	-9.92	58.02	6.79	33.74	34.47	5	198	Peak	VERTICAL
2	5458.00	50.84	54.00	-3.16	44.78	6.79	33.74	34.47	5	198	Average	VERTICAL
3	5469.00	66.68	74.00	-7.32	60.57	6.82	33.76	34.47	5	198	Peak	VERTICAL
4	5470.00	52.33	54.00	-1.67	46.22	6.82	33.76	34.47	5	198	Average	VERTICAL
5	5539.00	106.65			100.32	6.91	33.90	34.48	5	198	Peak	VERTICAL
6	5542.00	94.14			87.81	6.91	33.90	34.48	5	198	Average	VERTICAL
7	5725.00	46.14	54.00	-7.86	39.72	6.43	34.50	34.51	5	198	Average	VERTICAL
8	5734.00	59.07	74.00	-14.93	52.66	6.43	34.50	34.52	5	198	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

**Channel 122**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5450.00	64.18	74.00	-9.82	58.12	6.79	33.74	34.47	356	176	Peak	HORIZONTAL
2	5458.00	50.93	54.00	-3.07	44.87	6.79	33.74	34.47	356	176	Average	HORIZONTAL
3	5470.00	67.19	74.00	-6.81	61.08	6.82	33.76	34.47	356	176	Peak	HORIZONTAL
4	5470.00	52.88	54.00	-1.12	46.77	6.82	33.76	34.47	356	176	Average	HORIZONTAL
5	5599.00	104.28			97.67	7.00	34.10	34.49	356	176	Average	HORIZONTAL
6	5600.00	116.08			109.47	7.00	34.10	34.49	356	176	Peak	HORIZONTAL
7	5725.00	51.02	54.00	-2.98	44.60	6.43	34.50	34.51	356	176	Average	HORIZONTAL
8	5735.00	63.09	74.00	-10.91	56.68	6.43	34.50	34.52	356	176	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Channel 144**

	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	5715.20	119.28			112.84	6.50	34.45	34.51	359	199	Peak	HORIZONTAL
2	5718.20	107.56			101.12	6.50	34.45	34.51	359	199	Average	HORIZONTAL
3	5850.00	46.61	54.00	-7.39	39.91	6.39	34.85	34.54	359	199	Average	HORIZONTAL
4	5852.00	58.23	74.00	-15.77	51.53	6.39	34.85	34.54	359	199	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Channel 142**

	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	5702.80	116.44			109.98	6.57	34.40	34.51	1	160	Peak	HORIZONTAL
2	5718.00	105.47			99.03	6.50	34.45	34.51	1	160	Average	HORIZONTAL
3	5854.00	59.47	74.00	-14.53	52.77	6.39	34.85	34.54	1	160	Peak	HORIZONTAL
4	5881.20	46.71	54.00	-7.29	39.76	6.55	34.95	34.55	1	160	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

**Channel 138**

	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	5668.00	102.66			96.14	6.72	34.30	34.50	354	167	Average	HORIZONTAL
2	5669.00	113.15			106.63	6.72	34.30	34.50	354	167	Peak	HORIZONTAL
3	5853.00	47.95	54.00	-6.05	41.25	6.39	34.85	34.54	354	167	Average	HORIZONTAL
4	5864.00	59.84	74.00	-14.16	53.01	6.47	34.90	34.54	354	167	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5134.00	60.43	74.00	-13.57	51.67	8.09	33.72	33.05	201	210	Peak	VERTICAL
2	5150.00	47.77	54.00	-6.23	38.93	8.15	33.74	33.05	201	210	Average	VERTICAL
3	5265.40	118.78			109.64	8.26	33.94	33.06	201	210	Peak	VERTICAL
4	5266.00	106.65			97.51	8.26	33.94	33.06	201	210	Average	VERTICAL
5	5365.00	62.15	74.00	-11.85	52.94	8.19	34.08	33.06	201	210	Peak	VERTICAL
6	5393.80	49.99	54.00	-4.01	40.75	8.17	34.13	33.06	201	210	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.80	118.56			109.40	8.24	33.98	33.06	214	214	Peak	VERTICAL
2	5296.80	107.10			97.94	8.24	33.98	33.06	214	214	Average	VERTICAL
3	5354.00	62.24	74.00	-11.76	53.04	8.20	34.06	33.06	214	214	Peak	VERTICAL
4	5356.40	49.82	54.00	-4.18	40.61	8.19	34.08	33.06	214	214	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.20	107.94			98.76	8.23	34.01	33.06	203	211	Average	VERTICAL
2	5315.00	120.40			111.22	8.23	34.01	33.06	203	211	Peak	VERTICAL
3	5350.00	66.61	74.00	-7.39	57.41	8.20	34.06	33.06	203	211	Peak	VERTICAL
4	5350.00	52.24	54.00	-1.76	43.04	8.20	34.06	33.06	203	211	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

#### Channel 100

	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	5455.60	50.73	54.00	-3.27	41.20	8.36	34.23	33.06	206	292	Average	VERTICAL
2	5458.00	63.96	74.00	-10.04	54.43	8.36	34.23	33.06	206	292	Peak	VERTICAL
3	5469.80	66.69	68.20	-1.51	57.09	8.41	34.25	33.06	206	292	Peak	VERTICAL
4	5496.20	107.61			97.86	8.51	34.30	33.06	206	292	Average	VERTICAL
5	5496.40	120.42			110.67	8.51	34.30	33.06	206	292	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

#### Channel 116

	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	5455.80	62.09	74.00	-11.91	52.56	8.36	34.23	33.06	207	282	Peak	VERTICAL
2	5460.00	49.89	54.00	-4.11	40.36	8.36	34.23	33.06	207	282	Average	VERTICAL
3	5469.40	61.75	68.20	-6.45	52.15	8.41	34.25	33.06	207	282	Peak	VERTICAL
4	5582.40	122.98			112.97	8.75	34.35	33.09	207	282	Peak	VERTICAL
5	5586.00	110.59			100.58	8.75	34.35	33.09	207	282	Average	VERTICAL
6	5725.00	60.55	68.20	-7.65	50.77	8.47	34.44	33.13	207	282	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

#### Channel 140

	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	5697.60	117.91			108.06	8.56	34.42	33.13	197	298	Peak	VERTICAL
2	5701.80	105.70			95.85	8.56	34.42	33.13	197	298	Average	VERTICAL
3	5725.20	67.02	68.20	-1.18	57.24	8.47	34.44	33.13	197	298	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Channel 54**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5257.60	118.46			109.34	8.27	33.91	33.06	198	288	Peak	VERTICAL
2	5263.20	107.56			98.42	8.26	33.94	33.06	198	288	Average	VERTICAL
3	5352.00	51.13	54.00	-2.87	41.93	8.20	34.06	33.06	198	288	Average	VERTICAL
4	5356.80	62.37	74.00	-11.63	53.16	8.19	34.08	33.06	198	288	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5299.60	101.07			91.91	8.24	33.98	33.06	198	334	Average	VERTICAL
2	5306.40	112.84			103.68	8.24	33.98	33.06	198	334	Peak	VERTICAL
3	5350.00	65.83	74.00	-8.17	56.63	8.20	34.06	33.06	198	334	Peak	VERTICAL
4	5350.00	52.50	54.00	-1.50	43.30	8.20	34.06	33.06	198	334	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	65.16	74.00	-8.84	55.63	8.36	34.23	33.06	228	278	Peak	VERTICAL
2	5460.00	51.68	54.00	-2.32	42.15	8.36	34.23	33.06	228	278	Average	VERTICAL
3	5470.00	67.01	68.20	-1.19	57.41	8.41	34.25	33.06	228	278	Peak	VERTICAL
4	5518.40	115.19			105.39	8.56	34.31	33.07	228	278	Peak	VERTICAL
5	5522.40	103.87			94.07	8.56	34.31	33.07	228	278	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

### Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.20	67.87	74.00	-6.13	58.34	8.36	34.23	33.06	225	195	Peak	VERTICAL
2	5459.60	52.46	54.00	-1.54	42.93	8.36	34.23	33.06	225	195	Average	VERTICAL
3	5470.00	66.73	68.20	-1.47	57.13	8.41	34.25	33.06	225	195	Peak	VERTICAL
4	5541.20	120.92			111.06	8.61	34.32	33.07	225	195	Peak	VERTICAL
5	5552.00	109.99			100.09	8.65	34.33	33.08	225	195	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

### Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5673.60	105.08			95.19	8.60	34.41	33.12	214	0	Average	VERTICAL
2	5682.40	115.19			105.30	8.60	34.41	33.12	214	0	Peak	VERTICAL
3	5725.00	66.78	68.20	-1.42	57.00	8.47	34.44	33.13	214	0	Peak	VERTICAL
4	5725.00	52.10	68.20	-16.10	42.32	8.47	34.44	33.13	214	0	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

### Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5047.00	48.50	54.00	-5.50	40.24	7.74	33.57	33.05	187	325	Average	VERTICAL
2	5078.00	61.67	74.00	-12.33	53.24	7.86	33.62	33.05	187	325	Peak	VERTICAL
3	5253.00	94.90			85.78	8.27	33.91	33.06	187	325	Average	VERTICAL
4	5259.00	106.92			97.80	8.27	33.91	33.06	187	325	Peak	VERTICAL
5	5351.00	64.23	74.00	-9.77	55.03	8.20	34.06	33.06	187	325	Peak	VERTICAL
6	5351.00	52.26	54.00	-1.74	43.06	8.20	34.06	33.06	187	325	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

### Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.00	52.85	54.00	-1.15	43.39	8.32	34.20	33.06	200	283	Average	VERTICAL
2	5451.00	65.80	74.00	-8.20	56.27	8.36	34.23	33.06	200	283	Peak	VERTICAL
3	5469.00	67.09	68.20	-1.11	57.49	8.41	34.25	33.06	200	283	Peak	VERTICAL
4	5552.00	98.52			88.62	8.65	34.33	33.08	200	283	Average	VERTICAL
5	5556.00	109.86			99.96	8.65	34.33	33.08	200	283	Peak	VERTICAL
6	5775.00	61.55	68.20	-6.65	51.88	8.35	34.47	33.15	200	283	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

### Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.00	66.74	74.00	-7.26	57.21	8.36	34.23	33.06	196	99	Peak	VERTICAL
2	5460.00	52.65	54.00	-1.35	43.12	8.36	34.23	33.06	196	99	Average	VERTICAL
3	5470.00	67.00	68.20	-1.20	57.40	8.41	34.25	33.06	196	99	Peak	VERTICAL
4	5620.00	117.16			107.13	8.76	34.37	33.10	196	99	Peak	VERTICAL
5	5622.00	102.17			92.14	8.76	34.37	33.10	196	99	Average	VERTICAL
6	5727.00	67.10	68.20	-1.10	57.33	8.47	34.44	33.14	196	99	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Channel 144**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.40	109.17			99.39	8.47	34.44	33.13	203	279	Average	VERTICAL
2	5723.00	121.39			111.61	8.47	34.44	33.13	203	279	Peak	VERTICAL
3	5854.40	62.73	68.20	-5.47	52.83	8.56	34.51	33.17	203	279	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Channel 142**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5714.00	108.10			98.29	8.51	34.43	33.13	220	285	Average	VERTICAL
2	5723.00	117.70			107.92	8.47	34.44	33.13	220	285	Peak	VERTICAL
3	5851.40	62.58	68.20	-5.62	52.68	8.56	34.51	33.17	220	285	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 25, 2015		
<b>Test Mode</b>	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

**Channel 138**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5685.00	115.12			105.23	8.60	34.41	33.12	196	310	Peak	VERTICAL
2	5686.00	103.40			93.51	8.60	34.41	33.12	196	310	Average	VERTICAL
3	5925.00	64.14	68.20	-4.06	53.82	8.96	34.56	33.20	196	310	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

### Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5125.00	59.82	74.00	-14.18	51.15	8.03	33.69	33.05	205	62	Peak	HORIZONTAL
2	5150.00	47.73	54.00	-6.27	38.89	8.15	33.74	33.05	205	62	Average	HORIZONTAL
3	5253.40	121.36			112.24	8.27	33.91	33.06	205	62	Peak	HORIZONTAL
4	5257.60	110.62			101.50	8.27	33.91	33.06	205	62	Average	HORIZONTAL
5	5354.20	61.46	74.00	-12.54	52.25	8.19	34.08	33.06	205	62	Peak	HORIZONTAL
6	5357.80	49.12	54.00	-4.88	39.91	8.19	34.08	33.06	205	62	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

### Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.60	115.80			106.64	8.24	33.98	33.06	189	36	Peak	VERTICAL
2	5306.80	104.92			95.76	8.24	33.98	33.06	189	36	Average	VERTICAL
3	5350.80	48.85	54.00	-5.15	39.65	8.20	34.06	33.06	189	36	Average	VERTICAL
4	5369.60	60.98	74.00	-13.02	51.75	8.18	34.11	33.06	189	36	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

### Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.80	121.54			112.35	8.22	34.03	33.06	224	56	Peak	HORIZONTAL
2	5328.00	108.19			99.00	8.22	34.03	33.06	224	56	Average	HORIZONTAL
3	5350.20	52.77	54.00	-1.23	43.57	8.20	34.06	33.06	224	56	Average	HORIZONTAL
4	5350.40	66.14	74.00	-7.86	56.94	8.20	34.06	33.06	224	56	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

#### Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.80	50.87	54.00	-3.13	41.34	8.36	34.23	33.06	208	53	Average	HORIZONTAL
2	5458.00	63.44	74.00	-10.56	53.91	8.36	34.23	33.06	208	53	Peak	HORIZONTAL
3	5469.20	66.63	68.20	-1.57	57.03	8.41	34.25	33.06	208	53	Peak	HORIZONTAL
4	5498.80	120.39			110.64	8.51	34.30	33.06	208	53	Peak	HORIZONTAL
5	5499.20	108.25			98.50	8.51	34.30	33.06	208	53	Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

#### Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.20	49.22	54.00	-4.78	39.69	8.36	34.23	33.06	201	319	Average	HORIZONTAL
2	5454.60	61.08	74.00	-12.92	51.55	8.36	34.23	33.06	201	319	Peak	HORIZONTAL
3	5469.40	60.73	68.20	-7.47	51.13	8.41	34.25	33.06	201	319	Peak	HORIZONTAL
4	5575.20	107.76			97.74	8.75	34.35	33.08	201	319	Average	HORIZONTAL
5	5581.20	119.37			109.36	8.75	34.35	33.09	201	319	Peak	HORIZONTAL
6	5725.00	60.34	68.20	-7.86	50.56	8.47	34.44	33.13	201	319	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

#### Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5701.40	118.27			108.42	8.56	34.42	33.13	192	73	Peak	HORIZONTAL
2	5701.60	105.19			95.34	8.56	34.42	33.13	192	73	Average	HORIZONTAL
3	5725.00	66.85	68.20	-1.35	57.07	8.47	34.44	33.13	192	73	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Channel 54**

	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	5267.00	107.59			98.45	8.26	33.94	33.06	197	59 Average	HORIZONTAL
2	5268.00	118.87			109.73	8.26	33.94	33.06	197	59 Peak	HORIZONTAL
3	5354.00	62.57	74.00	-11.43	53.37	8.20	34.06	33.06	197	59 Peak	HORIZONTAL
4	5355.00	49.92	54.00	-4.08	40.71	8.19	34.08	33.06	197	59 Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

**Channel 62**

	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	5298.00	104.32			95.16	8.24	33.98	33.06	198	298 Average	HORIZONTAL
2	5302.40	115.07			105.91	8.24	33.98	33.06	198	298 Peak	HORIZONTAL
3	5352.00	65.45	74.00	-8.55	56.25	8.20	34.06	33.06	198	298 Peak	HORIZONTAL
4	5353.20	52.70	54.00	-1.30	43.50	8.20	34.06	33.06	198	298 Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

### Channel 102

	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	5453.20	52.35	54.00	-1.65	42.82	8.36	34.23	33.06	247	294	Average	HORIZONTAL
2	5460.00	72.65	74.00	-1.35	63.12	8.36	34.23	33.06	247	294	Peak	HORIZONTAL
3	5468.80	67.05	68.20	-1.15	57.45	8.41	34.25	33.06	247	294	Peak	HORIZONTAL
4	5500.00	113.28			103.53	8.51	34.30	33.06	247	294	Peak	HORIZONTAL
5	5502.00	101.69			91.94	8.51	34.30	33.06	247	294	Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

### Channel 110

	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	5458.80	64.67	74.00	-9.33	55.14	8.36	34.23	33.06	203	321	Peak	HORIZONTAL
2	5460.00	52.32	54.00	-1.68	42.79	8.36	34.23	33.06	203	321	Average	HORIZONTAL
3	5470.00	65.76	68.20	-2.44	56.16	8.41	34.25	33.06	203	321	Peak	HORIZONTAL
4	5542.80	117.22			107.37	8.61	34.32	33.08	203	321	Peak	HORIZONTAL
5	5542.80	106.09			96.24	8.61	34.32	33.08	203	321	Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

### Channel 134

	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	5682.40	111.29			101.40	8.60	34.41	33.12	203	301	Peak	VERTICAL
2	5682.80	98.82			88.93	8.60	34.41	33.12	203	301	Average	VERTICAL
3	5751.60	66.94	68.20	-1.26	57.20	8.43	34.45	33.14	203	301	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

### Channel 58

	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	5147.11	61.03	74.00	-12.97	52.19	8.15	33.74	33.05	228	52 Peak	HORIZONTAL
2	5150.00	49.02	54.00	-4.98	40.18	8.15	33.74	33.05	228	52 Average	HORIZONTAL
3	5255.99	98.71			89.59	8.27	33.91	33.06	228	52 Average	HORIZONTAL
4	5274.80	108.97			99.83	8.26	33.94	33.06	228	52 Peak	HORIZONTAL
5	5354.34	65.81	74.00	-8.19	56.60	8.19	34.08	33.06	228	52 Peak	HORIZONTAL
6	5361.58	52.43	54.00	-1.57	43.22	8.19	34.08	33.06	228	52 Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

### Channel 106

	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	5436.85	66.34	74.00	-7.66	56.88	8.32	34.20	33.06	272	0 Peak	VERTICAL
2	5457.50	52.79	54.00	-1.21	43.26	8.36	34.23	33.06	272	0 Average	VERTICAL
3	5466.51	67.14	68.20	-1.06	57.54	8.41	34.25	33.06	272	0 Peak	VERTICAL
4	5497.44	91.77			82.02	8.51	34.30	33.06	272	0 Average	VERTICAL
5	5499.61	102.67			92.92	8.51	34.30	33.06	272	0 Peak	VERTICAL
6	5743.09	62.50	68.20	-5.70	52.76	8.43	34.45	33.14	272	0 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

### Channel 122

	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	5458.42	66.45	74.00	-7.55	56.92	8.36	34.23	33.06	200	68 Peak	HORIZONTAL
2	5460.00	52.85	54.00	-1.15	43.32	8.36	34.23	33.06	200	68 Average	HORIZONTAL
3	5464.93	67.05	68.20	-1.15	57.45	8.41	34.25	33.06	200	68 Peak	HORIZONTAL
4	5607.11	113.80			103.74	8.80	34.36	33.10	200	68 Peak	HORIZONTAL
5	5616.51	102.54			92.51	8.76	34.37	33.10	200	68 Average	HORIZONTAL
6	5741.64	67.12	68.20	-1.08	57.38	8.43	34.45	33.14	200	68 Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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



**Straddle Channel**

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Channel 144**

	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	5719.40	103.64			93.83	8.51	34.43	33.13	197	302 Average	VERTICAL
2	5726.00	114.62			104.84	8.47	34.44	33.13	197	302 Peak	VERTICAL
3	5860.40	61.24	68.20	-6.96	51.26	8.64	34.52	33.18	197	302 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Channel 142**

	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	5718.68	106.35			96.54	8.51	34.43	33.13	298	293	Average	HORIZONTAL
2	5719.41	118.98			109.17	8.51	34.43	33.13	298	293	Peak	HORIZONTAL
3	5855.79	62.91	68.20	-5.29	53.01	8.56	34.51	33.17	298	293	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
<b>Test Date</b>	Nov. 20, 2015		
<b>Test Mode</b>	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

**Channel 138**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5686.38	113.85			103.96	8.60	34.41	33.12	298	283	Peak	HORIZONTAL
2	5687.83	103.02			93.13	8.60	34.41	33.12	298	283	Average	HORIZONTAL
3	5858.68	66.91	68.20	-1.29	56.92	8.64	34.52	33.17	298	283	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.