

## 4.5. Radiated Emissions Measurement

### 4.5.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. 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 (micровolts/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

### 4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	100kHz / 300kHz for peak

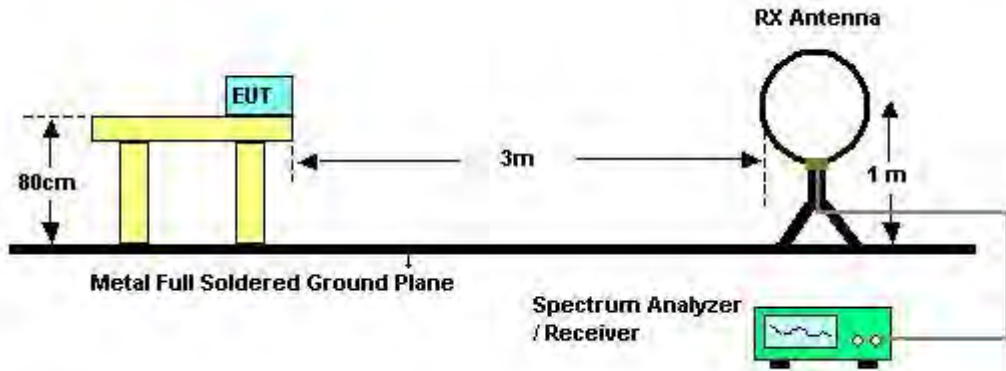
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

### 4.5.3. Test Procedures

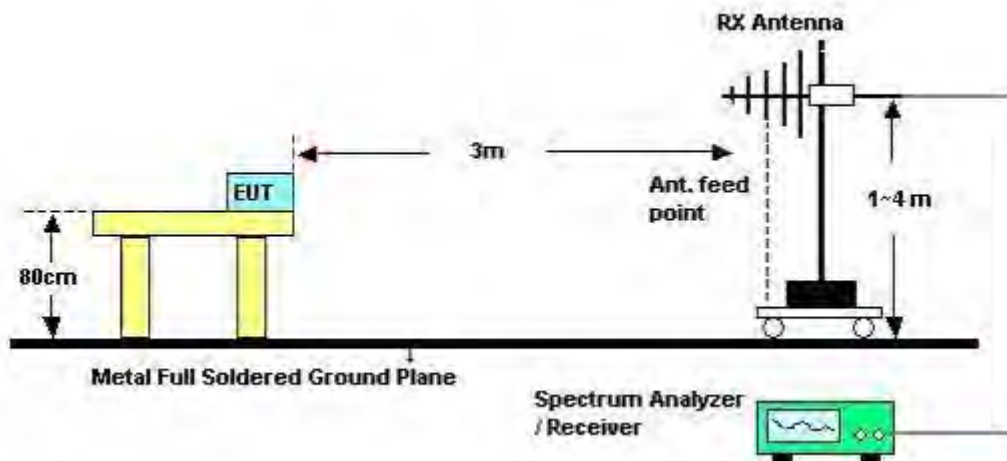
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 m to 4 m) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

#### 4.5.4. Test Setup Layout

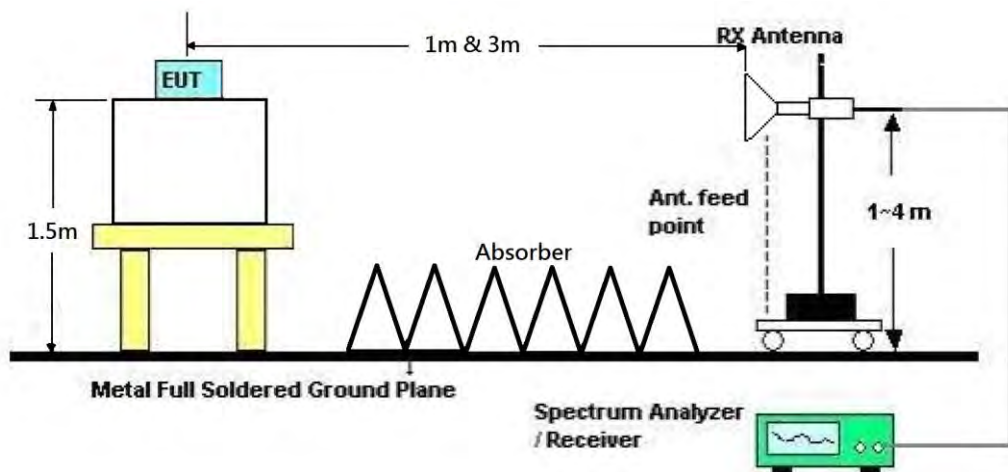
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



#### **4.5.5. Test Deviation**

There is no deviation with the original standard.

#### **4.5.6. EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

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

<b>Temperature</b>	23°C	<b>Humidity</b>	66%
<b>Test Engineer</b>	Thor Wei	<b>Configurations</b>	Normal Link
<b>Test Date</b>	Aug. 12, 2017	<b>Test Mode</b>	Mode 2

<b>Freq. (MHz)</b>	<b>Level (dBuV)</b>	<b>Over Limit (dB)</b>	<b>Limit Line (dBuV)</b>	<b>Remark</b>
-	-	-	-	See Note

Note:

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

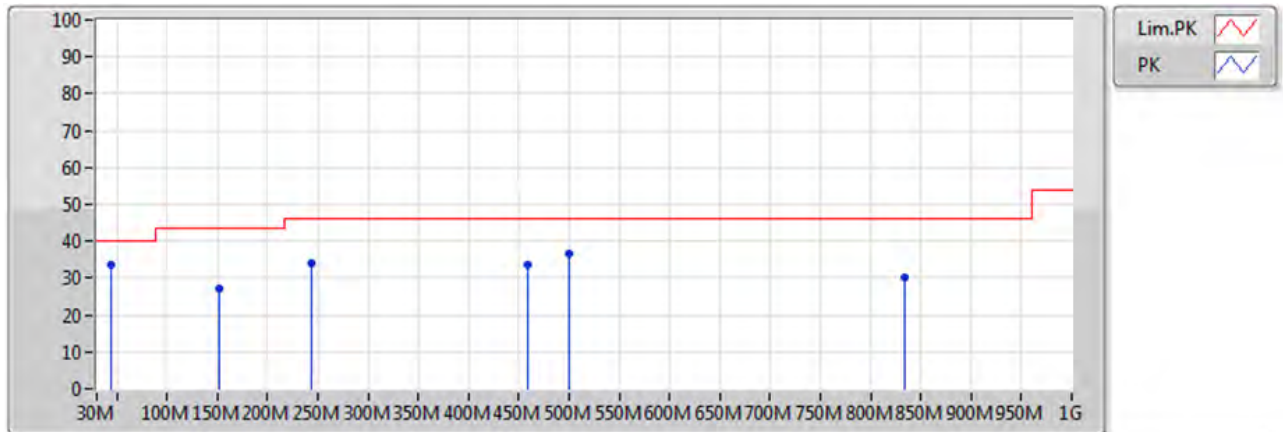
Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB);

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

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

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

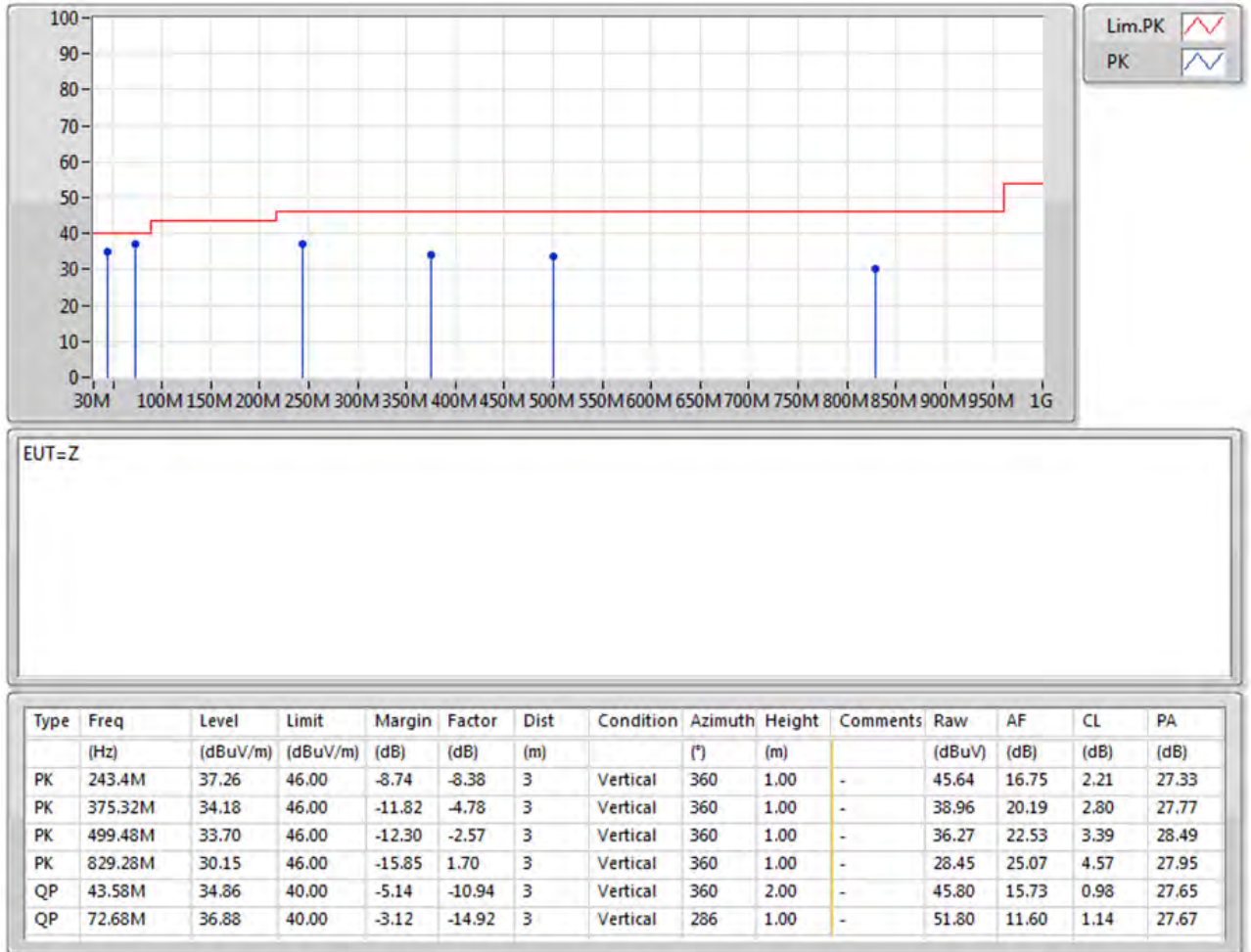
Horizontal



EUT=Z

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	43.58M	33.60	40.00	-6.40	-10.94	3	Horizontal	0	1.00	-	44.54	15.73	0.98	27.65
PK	152.22M	27.12	43.50	-16.38	-10.49	3	Horizontal	0	1.00	-	37.61	15.38	1.76	27.62
PK	243.4M	33.90	46.00	-12.10	-8.38	3	Horizontal	0	1.00	-	42.28	16.75	2.21	27.33
PK	458.74M	33.80	46.00	-12.20	-3.04	3	Horizontal	0	1.00	-	36.84	21.95	3.28	28.27
PK	499.48M	36.45	46.00	-9.55	-2.57	3	Horizontal	0	1.00	-	39.02	22.53	3.39	28.49
PK	833.16M	30.05	46.00	-15.95	1.77	3	Horizontal	0	1.00	-	28.28	25.11	4.60	27.94

**Vertical**



**Note:**

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

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

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

#### 4.5.9. Results for Radiated Emissions (1GHz~10<sup>th</sup> Harmonic)

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

##### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.96	52.70	54.00	-1.30	48.42	5.87	33.42	35.01	Average	231	324	HORIZONTAL
2	4824.06	54.56	74.00	-19.44	50.28	5.87	33.42	35.01	Peak	231	324	HORIZONTAL

##### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.92	55.48	74.00	-18.52	51.20	5.87	33.42	35.01	Peak	221	15	VERTICAL
2	4823.95	51.49	54.00	-2.51	47.21	5.87	33.42	35.01	Average	221	15	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

#### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4873.91	51.90	54.00	-2.10	47.46	5.92	33.53	35.01	232	326	HORIZONTAL
2	4873.94	53.54	74.00	-20.46	49.10	5.92	33.53	35.01	232	326	HORIZONTAL

#### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4873.90	56.00	74.00	-18.00	51.56	5.92	33.53	35.01	275	318	VERTICAL
2	4873.92	52.86	54.00	-1.14	48.42	5.92	33.53	35.01	275	318	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.87	50.25	74.00	-23.75	45.64	5.97	33.65	35.01	Peak	195	324	HORIZONTAL
2	4923.96	44.94	54.00	-9.06	40.33	5.97	33.65	35.01	Average	195	324	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.96	54.25	74.00	-19.75	49.64	5.97	33.65	35.01	Peak	153	282	VERTICAL
2	4923.97	50.99	54.00	-3.01	46.38	5.97	33.65	35.01	Average	153	282	VERTICAL



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

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.50	32.31	54.00	-21.69	28.03	5.87	33.42	35.01	Average	148	357	HORIZONTAL
2	4825.04	45.44	74.00	-28.56	41.16	5.87	33.42	35.01	Peak	148	357	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.51	47.58	74.00	-26.42	43.30	5.87	33.42	35.01	Peak	140	267	VERTICAL
2	4825.42	35.66	54.00	-18.34	31.38	5.87	33.42	35.01	Average	140	267	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.84	41.23	54.00	-12.77	36.79	5.92	33.53	35.01	Average	163	323	HORIZONTAL
2	4875.96	53.33	74.00	-20.67	48.89	5.92	33.53	35.01	Peak	163	323	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.00	57.74	74.00	-16.26	53.30	5.92	33.53	35.01	Peak	164	266	VERTICAL
2	4876.12	44.85	54.00	-9.15	40.41	5.92	33.53	35.01	Average	164	266	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4925.10	32.60	54.00	-21.40	27.99	5.97	33.65	35.01	Average	136	3 HORIZONTAL
2	4925.60	45.96	74.00	-28.04	41.35	5.97	33.65	35.01	Peak	136	3 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4926.18	46.36	74.00	-27.64	41.75	5.97	33.65	35.01	Peak	134	262 VERTICAL
2	4926.54	36.03	54.00	-17.97	31.42	5.97	33.65	35.01	Average	134	262 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4824.14	44.94	74.00	-29.06	40.66	5.87	33.42	35.01	Peak	150	78 HORIZONTAL
2	4825.86	32.69	54.00	-21.31	28.41	5.87	33.42	35.01	Average	150	78 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4825.34	47.48	74.00	-26.52	43.20	5.87	33.42	35.01	Peak	143	12 VERTICAL
2	4825.82	35.27	54.00	-18.73	30.99	5.87	33.42	35.01	Average	143	12 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4875.86	38.12	54.00	-15.88	33.68	5.92	33.53	35.01	Average	165	328 HORIZONTAL
2	4876.80	50.76	74.00	-23.24	46.32	5.92	33.53	35.01	Peak	165	328 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.28	43.60	54.00	-10.40	39.16	5.92	33.53	35.01	Average	173	264 VERTICAL
2	4876.92	57.04	74.00	-16.96	52.60	5.92	33.53	35.01	Peak	173	264 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4925.10	32.56	54.00	-21.44	27.95	5.97	33.65	35.01	Average	146	169	HORIZONTAL
2	4927.22	45.06	74.00	-28.94	40.45	5.97	33.65	35.01	Peak	146	169	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4926.38	46.87	74.00	-27.13	42.26	5.97	33.65	35.01	Peak	141	285	VERTICAL
2	4926.88	34.96	54.00	-19.04	30.35	5.97	33.65	35.01	Average	141	285	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4846.54	44.75	74.00	-29.25	40.42	5.88	33.46	35.01	Peak	141	43	HORIZONTAL
2	4847.72	32.00	54.00	-22.00	27.67	5.88	33.46	35.01	Average	141	43	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4839.14	32.01	54.00	-21.99	27.68	5.88	33.46	35.01	Average	144	193	VERTICAL
2	4841.90	45.14	74.00	-28.86	40.81	5.88	33.46	35.01	Peak	144	193	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.18	32.49	54.00	-21.51	28.05	5.92	33.53	35.01	Average	147	212	HORIZONTAL
2	4877.20	45.02	74.00	-28.98	40.58	5.92	33.53	35.01	Peak	147	212	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.90	46.02	74.00	-27.98	41.58	5.92	33.53	35.01	Peak	138	111	VERTICAL
2	4876.08	33.42	54.00	-20.58	28.98	5.92	33.53	35.01	Average	138	111	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4902.42	45.63	74.00	-28.37	41.08	5.95	33.61	35.01	Peak	144	357	HORIZONTAL
2	4907.56	32.72	54.00	-21.28	28.17	5.95	33.61	35.01	Average	144	357	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4906.16	45.38	74.00	-28.62	40.83	5.95	33.61	35.01	Peak	128	171	VERTICAL
2	4906.44	33.20	54.00	-20.80	28.65	5.95	33.61	35.01	Average	128	171	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 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4823.94	46.51	54.00	-7.49	42.23	5.87	33.42	35.01	Average	112	131	HORIZONTAL
2	4824.00	52.38	74.00	-21.62	48.10	5.87	33.42	35.01	Peak	112	131	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4823.96	50.42	54.00	-3.58	46.14	5.87	33.42	35.01	Average	100	167	VERTICAL
2	4823.96	54.72	74.00	-19.28	50.44	5.87	33.42	35.01	Peak	100	167	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.97	49.24	54.00	-4.76	44.80	5.92	33.53	35.01	Average	168	176	HORIZONTAL
2	4874.10	52.78	74.00	-21.22	48.34	5.92	33.53	35.01	Peak	168	176	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.91	55.95	74.00	-18.05	51.51	5.92	33.53	35.01	Peak	267	66	VERTICAL
2	4873.94	52.41	54.00	-1.59	47.97	5.92	33.53	35.01	Average	267	66	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4923.91	53.08	74.00	-20.92	48.47	5.97	33.65	35.01	Peak	177	193	HORIZONTAL
2	4923.99	48.09	54.00	-5.91	43.48	5.97	33.65	35.01	Average	177	193	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4923.93	48.28	54.00	-5.72	43.67	5.97	33.65	35.01	Average	172	174	VERTICAL
2	4924.03	53.34	74.00	-20.66	48.73	5.97	33.65	35.01	Peak	172	174	VERTICAL

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

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4826.98	48.44	74.00	-25.56	44.16	5.87	33.42	35.01	Peak	123	144	HORIZONTAL
2	4827.62	35.83	54.00	-18.17	31.55	5.87	33.42	35.01	Average	123	144	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4826.11	37.68	54.00	-16.32	33.40	5.87	33.42	35.01	Average	140	126	VERTICAL
2	4828.89	48.23	74.00	-25.77	43.95	5.87	33.42	35.01	Peak	140	126	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4878.83	45.24	54.00	-8.76	40.80	5.92	33.53	35.01	Average	124	57 HORIZONTAL
2	4879.24	59.07	74.00	-14.93	54.63	5.92	33.53	35.01	Peak	124	57 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.98	45.37	54.00	-8.63	40.93	5.92	33.53	35.01	Average	193	190 VERTICAL
2	4880.51	58.84	74.00	-15.16	54.40	5.92	33.53	35.01	Peak	193	190 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

#### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4932.10	51.16	74.00	-22.84	46.55	5.97	33.65	35.01	Peak	122	94 HORIZONTAL
2	4933.58	36.58	54.00	-17.42	31.97	5.97	33.65	35.01	Average	122	94 HORIZONTAL

#### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4917.43	52.39	74.00	-21.61	47.84	5.95	33.61	35.01	Peak	164	133 VERTICAL
2	4933.09	37.66	54.00	-16.34	33.05	5.97	33.65	35.01	Average	164	133 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4827.21	35.91	54.00	-18.09	31.63	5.87	33.42	35.01	Average	150	266	HORIZONTAL
2	4828.20	49.06	74.00	-24.94	44.78	5.87	33.42	35.01	Peak	150	266	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4817.75	50.36	74.00	-23.64	46.08	5.87	33.42	35.01	Peak	152	111	VERTICAL
2	4828.92	34.31	54.00	-19.69	30.03	5.87	33.42	35.01	Average	152	111	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.68	61.21	74.00	-12.79	56.77	5.92	33.53	35.01	Peak	111	33 HORIZONTAL
2	4876.75	46.84	54.00	-7.16	42.40	5.92	33.53	35.01	Average	111	33 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.82	61.26	74.00	-12.74	56.82	5.92	33.53	35.01	Peak	162	99 VERTICAL
2	4876.89	47.03	54.00	-6.97	42.59	5.92	33.53	35.01	Average	162	99 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4926.61	38.53	54.00	-15.47	33.92	5.97	33.65	35.01	Average	155	144	HORIZONTAL
2	4926.97	52.79	74.00	-21.21	48.18	5.97	33.65	35.01	Peak	155	144	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4925.95	51.15	74.00	-22.85	46.54	5.97	33.65	35.01	Peak	163	152	VERTICAL
2	4926.68	38.82	54.00	-15.18	34.21	5.97	33.65	35.01	Average	163	152	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4827.72	47.76	74.00	-26.24	43.48	5.87	33.42	35.01	Peak	162	181	HORIZONTAL
2	4828.95	33.58	54.00	-20.42	29.30	5.87	33.42	35.01	Average	162	181	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4839.15	33.49	54.00	-20.51	29.16	5.88	33.46	35.01	Average	157	204	VERTICAL
2	4847.33	46.48	74.00	-27.52	42.15	5.88	33.46	35.01	Peak	157	204	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4875.51	34.26	54.00	-19.74	29.82	5.92	33.53	35.01	162	196	HORIZONTAL
2	4876.22	49.68	74.00	-24.32	45.24	5.92	33.53	35.01	162	196	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4874.70	38.21	54.00	-15.79	33.77	5.92	33.53	35.01	155	174	VERTICAL
2	4875.69	52.17	74.00	-21.83	47.73	5.92	33.53	35.01	155	174	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4902.41	35.53	54.00	-18.47	30.98	5.95	33.61	35.01	Average	153	191	HORIZONTAL
2	4902.62	46.30	74.00	-27.70	41.75	5.95	33.61	35.01	Peak	153	191	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4901.73	34.47	54.00	-19.53	29.92	5.95	33.61	35.01	Average	154	177	VERTICAL
2	4904.27	46.29	74.00	-27.71	41.74	5.95	33.61	35.01	Peak	154	177	VERTICAL

Note:

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

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

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



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.94	53.03	74.00	-20.97	48.75	5.87	33.42	35.01	Peak	228	50	HORIZONTAL
2	4823.94	49.49	54.00	-4.51	45.21	5.87	33.42	35.01	Average	228	50	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.95	54.30	74.00	-19.70	50.02	5.87	33.42	35.01	Peak	286	51	VERTICAL
2	4823.97	51.23	54.00	-2.77	46.95	5.87	33.42	35.01	Average	286	51	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4873.95	52.44	74.00	-21.56	48.00	5.92	33.53	35.01	Peak	237	60 HORIZONTAL
2	4873.98	48.68	54.00	-5.32	44.24	5.92	33.53	35.01	Average	237	60 HORIZONTAL
3	7313.00	48.52	74.00	-25.48	40.29	7.13	36.38	35.28	Peak	198	165 HORIZONTAL
4	7314.91	35.80	54.00	-18.20	27.57	7.13	36.38	35.28	Average	198	165 HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4873.90	55.89	74.00	-18.11	51.45	5.92	33.53	35.01	Peak	187	359 VERTICAL
2	4873.94	52.97	54.00	-1.03	48.53	5.92	33.53	35.01	Average	187	359 VERTICAL
3	7307.67	36.21	54.00	-17.79	27.98	7.13	36.38	35.28	Average	165	64 VERTICAL
4	7309.32	48.95	74.00	-25.05	40.72	7.13	36.38	35.28	Peak	165	64 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.91	50.56	74.00	-23.44	45.95	5.97	33.65	35.01	Peak	232	62	HORIZONTAL
2	4923.94	46.10	54.00	-7.90	41.49	5.97	33.65	35.01	Average	232	62	HORIZONTAL
3	7384.69	35.91	54.00	-18.09	27.46	7.17	36.57	35.29	Average	136	186	HORIZONTAL
4	7386.01	49.52	74.00	-24.48	41.07	7.17	36.57	35.29	Peak	136	186	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.90	55.15	74.00	-18.85	50.54	5.97	33.65	35.01	Peak	210	360	VERTICAL
2	4923.93	52.59	54.00	-1.41	47.98	5.97	33.65	35.01	Average	210	360	VERTICAL
3	7386.81	48.98	74.00	-25.02	40.53	7.17	36.57	35.29	Peak	164	238	VERTICAL
4	7387.73	35.91	54.00	-18.09	27.46	7.17	36.57	35.29	Average	164	238	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.86	32.08	54.00	-21.92	27.80	5.87	33.42	35.01	Average	174	241	HORIZONTAL
2	4826.60	45.94	74.00	-28.06	41.66	5.87	33.42	35.01	Peak	174	241	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4821.37	44.82	74.00	-29.18	40.54	5.87	33.42	35.01	Peak	159	135	VERTICAL
2	4825.76	32.52	54.00	-21.48	28.24	5.87	33.42	35.01	Average	159	135	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4877.13	52.36	74.00	-21.64	47.92	5.92	33.53	35.01	Peak	244	314	HORIZONTAL
2	4877.53	39.84	54.00	-14.16	35.40	5.92	33.53	35.01	Average	244	314	HORIZONTAL
3	7311.02	35.68	54.00	-18.32	27.45	7.13	36.38	35.28	Average	154	160	HORIZONTAL
4	7312.21	49.39	74.00	-24.61	41.16	7.13	36.38	35.28	Peak	154	160	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4877.37	57.87	74.00	-16.13	53.43	5.92	33.53	35.01	Peak	183	354	VERTICAL
2	4877.53	45.49	54.00	-8.51	41.05	5.92	33.53	35.01	Average	183	354	VERTICAL
3	7308.93	36.02	54.00	-17.98	27.79	7.13	36.38	35.28	Average	164	252	VERTICAL
4	7311.81	48.57	74.00	-25.43	40.34	7.13	36.38	35.28	Peak	164	252	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4926.60	32.75	54.00	-21.25	28.14	5.97	33.65	35.01	Average	228	46	HORIZONTAL
2	4927.05	45.86	74.00	-28.14	41.25	5.97	33.65	35.01	Peak	228	46	HORIZONTAL
3	7386.38	48.46	74.00	-25.54	40.01	7.17	36.57	35.29	Peak	152	154	HORIZONTAL
4	7388.03	36.33	54.00	-17.67	27.88	7.17	36.57	35.29	Average	152	154	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4919.11	44.60	74.00	-29.40	39.99	5.97	33.65	35.01	Peak	171	161	VERTICAL
2	4928.82	32.41	54.00	-21.59	27.80	5.97	33.65	35.01	Average	171	161	VERTICAL
3	7385.99	36.29	54.00	-17.71	27.84	7.17	36.57	35.29	Average	144	230	VERTICAL
4	7387.05	48.90	74.00	-25.10	40.45	7.17	36.57	35.29	Peak	144	230	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4823.10	45.08	74.00	-28.92	40.80	5.87	33.42	35.01	Peak	181	314 HORIZONTAL
2	4825.91	32.50	54.00	-21.50	28.22	5.87	33.42	35.01	Average	181	314 HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4820.22	32.02	54.00	-21.98	27.74	5.87	33.42	35.01	Average	156	206 VERTICAL
2	4822.30	45.41	74.00	-28.59	41.13	5.87	33.42	35.01	Peak	156	206 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.72	37.78	54.00	-16.22	33.34	5.92	33.53	35.01	Average	238	336	HORIZONTAL
2	4876.72	51.15	74.00	-22.85	46.71	5.92	33.53	35.01	Peak	238	336	HORIZONTAL
3	7310.70	35.47	54.00	-18.53	27.24	7.13	36.38	35.28	Average	161	142	HORIZONTAL
4	7313.00	49.36	74.00	-24.64	41.13	7.13	36.38	35.28	Peak	161	142	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.72	44.00	54.00	-10.00	39.56	5.92	33.53	35.01	Average	196	357	VERTICAL
2	4876.81	57.12	74.00	-16.88	52.68	5.92	33.53	35.01	Peak	196	357	VERTICAL
3	7309.19	35.78	54.00	-18.22	27.55	7.13	36.38	35.28	Average	144	292	VERTICAL
4	7312.27	47.87	74.00	-26.13	39.64	7.13	36.38	35.28	Peak	144	292	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.75	45.84	74.00	-28.16	41.23	5.97	33.65	35.01	Peak	214	47	HORIZONTAL
2	4928.89	32.58	54.00	-21.42	27.97	5.97	33.65	35.01	Average	214	47	HORIZONTAL
3	7385.20	36.08	54.00	-17.92	27.63	7.17	36.57	35.29	Average	164	117	HORIZONTAL
4	7389.13	48.98	74.00	-25.02	40.53	7.17	36.57	35.29	Peak	164	117	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4927.75	32.49	54.00	-21.51	27.88	5.97	33.65	35.01	Average	129	232	VERTICAL
2	4928.94	45.07	74.00	-28.93	40.46	5.97	33.65	35.01	Peak	129	232	VERTICAL
3	7389.67	35.88	54.00	-18.12	27.43	7.17	36.57	35.29	Average	173	171	VERTICAL
4	7390.62	49.85	74.00	-24.15	41.40	7.17	36.57	35.29	Peak	173	171	VERTICAL





<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4839.47	44.33	74.00	-29.67	40.00	5.88	33.46	35.01	Peak	108	196	HORIZONTAL
2	4840.65	31.76	54.00	-22.24	27.43	5.88	33.46	35.01	Average	108	196	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4839.42	31.99	54.00	-22.01	27.66	5.88	33.46	35.01	Average	145	148	VERTICAL
2	4840.27	44.46	74.00	-29.54	40.13	5.88	33.46	35.01	Peak	145	148	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4840.84	44.23	74.00	-29.77	39.90	5.88	33.46	35.01	Peak	167	27	HORIZONTAL
2	4847.38	33.27	54.00	-20.73	28.94	5.88	33.46	35.01	Average	167	27	HORIZONTAL
3	7264.16	35.34	54.00	-18.66	27.25	7.10	36.27	35.28	Average	145	188	HORIZONTAL
4	7268.52	48.90	74.00	-25.10	40.76	7.11	36.31	35.28	Peak	145	188	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4840.44	31.72	54.00	-22.28	27.39	5.88	33.46	35.01	Average	124	213	VERTICAL
2	4842.49	44.34	74.00	-29.66	40.01	5.88	33.46	35.01	Peak	124	213	VERTICAL
3	7262.86	48.64	74.00	-25.36	40.55	7.10	36.27	35.28	Peak	174	280	VERTICAL
4	7266.56	35.66	54.00	-18.34	27.52	7.11	36.31	35.28	Average	174	280	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4906.02	45.43	74.00	-28.57	40.88	5.95	33.61	35.01	Peak	191	127	HORIZONTAL
2	4908.90	31.73	54.00	-22.27	27.18	5.95	33.61	35.01	Average	191	127	HORIZONTAL
3	7351.06	35.95	54.00	-18.05	27.57	7.16	36.50	35.28	Average	144	317	HORIZONTAL
4	7353.50	48.46	74.00	-25.54	40.08	7.16	36.50	35.28	Peak	144	317	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.62	44.69	74.00	-29.31	40.14	5.95	33.61	35.01	Peak	158	137	VERTICAL
2	4908.81	32.08	54.00	-21.92	27.53	5.95	33.61	35.01	Average	158	137	VERTICAL
3	7351.59	48.55	74.00	-25.45	40.17	7.16	36.50	35.28	Peak	178	214	VERTICAL
4	7353.55	35.86	54.00	-18.14	27.48	7.16	36.50	35.28	Average	178	214	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 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.94	48.92	74.00	-25.08	45.15	5.60	32.69	34.52	140	197	Peak	HORIZONTAL
2	4824.00	44.34	54.00	-9.66	40.57	5.60	32.69	34.52	140	197	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.97	46.02	54.00	-7.98	42.25	5.60	32.69	34.52	206	196	Average	VERTICAL
2	4824.03	50.47	74.00	-23.53	46.70	5.60	32.69	34.52	206	196	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.97	43.79	54.00	-10.21	39.82	5.70	32.78	34.51	211	224	Average	HORIZONTAL
2	4874.00	50.04	74.00	-23.96	46.07	5.70	32.78	34.51	211	224	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.97	46.15	54.00	-7.85	42.18	5.70	32.78	34.51	167	180	Average	VERTICAL
2	4874.06	50.21	74.00	-23.79	46.24	5.70	32.78	34.51	167	180	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.89	42.82	54.00	-11.18	38.64	5.79	32.88	34.49	313	150	Average	HORIZONTAL
2	4927.05	49.85	74.00	-24.15	45.67	5.79	32.88	34.49	313	150	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4924.03	45.30	54.00	-8.70	41.12	5.79	32.88	34.49	191	170	Average	VERTICAL
2	4924.13	50.17	74.00	-23.83	45.99	5.79	32.88	34.49	191	170	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.59	45.85	74.00	-28.15	42.08	5.60	32.69	34.52	140	194	Peak	HORIZONTAL
2	4827.75	33.03	54.00	-20.97	29.26	5.60	32.69	34.52	140	194	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.37	48.45	74.00	-25.55	44.68	5.60	32.69	34.52	211	221	Peak	VERTICAL
2	4827.56	35.96	54.00	-18.04	32.19	5.60	32.69	34.52	211	221	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.12	47.92	74.00	-26.08	43.95	5.70	32.78	34.51	212	159	Peak	HORIZONTAL
2	4876.31	34.85	54.00	-19.15	30.88	5.70	32.78	34.51	212	159	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.92	52.73	74.00	-21.27	48.76	5.70	32.78	34.51	188	196	Peak	VERTICAL
2	4877.46	39.57	54.00	-14.43	35.60	5.70	32.78	34.51	188	196	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4914.51	45.29	74.00	-28.71	41.18	5.76	32.84	34.49	99	148 Peak	HORIZONTAL
2	4928.78	32.25	54.00	-21.75	28.07	5.79	32.88	34.49	99	148 Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4927.97	33.20	54.00	-20.80	29.02	5.79	32.88	34.49	190	181 Average	VERTICAL
2	4929.64	46.02	74.00	-27.98	41.84	5.79	32.88	34.49	190	181 Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.49	32.48	54.00	-21.52	28.71	5.60	32.69	34.52	138	141	Average	HORIZONTAL
2	4829.10	46.53	74.00	-27.47	42.76	5.60	32.69	34.52	138	141	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.00	33.63	54.00	-20.37	29.86	5.60	32.69	34.52	181	195	Average	VERTICAL
2	4824.03	44.58	74.00	-29.42	40.81	5.60	32.69	34.52	181	195	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.63	47.38	74.00	-26.62	43.41	5.70	32.78	34.51	167	147	Peak	HORIZONTAL
2	4876.63	34.19	54.00	-19.81	30.22	5.70	32.78	34.51	167	147	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.69	51.96	74.00	-22.04	47.99	5.70	32.78	34.51	187	130	Peak	VERTICAL
2	4877.33	37.90	54.00	-16.10	33.93	5.70	32.78	34.51	187	130	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.29	44.63	74.00	-29.37	40.45	5.79	32.88	34.49	164	146	Peak	HORIZONTAL
2	4931.76	31.90	54.00	-22.10	27.72	5.79	32.88	34.49	164	146	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4929.87	32.04	54.00	-21.96	27.86	5.79	32.88	34.49	178	166	Average	VERTICAL
2	4931.76	44.44	74.00	-29.56	40.26	5.79	32.88	34.49	178	166	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4842.39	31.81	54.00	-22.19	27.97	5.63	32.72	34.51	165	150	Average	HORIZONTAL
2	4842.64	44.91	74.00	-29.09	41.07	5.63	32.72	34.51	165	150	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4844.71	31.97	54.00	-22.03	28.13	5.63	32.72	34.51	182	150	Average	VERTICAL
2	4845.68	45.53	74.00	-28.47	41.69	5.63	32.72	34.51	182	150	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.93	45.23	74.00	-28.77	41.26	5.70	32.78	34.51	170	150	Peak	HORIZONTAL
2	4874.83	31.63	54.00	-22.37	27.66	5.70	32.78	34.51	170	150	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4872.65	31.71	54.00	-22.29	27.74	5.70	32.78	34.51	181	150	Average	VERTICAL
2	4873.88	44.78	74.00	-29.22	40.81	5.70	32.78	34.51	181	150	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4901.70	45.08	74.00	-28.92	40.98	5.76	32.84	34.50	142	150	Peak	HORIZONTAL
2	4905.15	31.70	54.00	-22.30	27.60	5.76	32.84	34.50	142	150	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.33	31.54	54.00	-22.46	27.44	5.76	32.84	34.50	178	150	Average	VERTICAL
2	4905.93	45.33	74.00	-28.67	41.23	5.76	32.84	34.50	178	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 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.99	48.29	54.00	-5.71	44.52	5.60	32.69	34.52	161	152	Average	HORIZONTAL
2	4824.01	52.23	74.00	-21.77	48.46	5.60	32.69	34.52	161	152	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.96	51.72	54.00	-2.28	47.95	5.60	32.69	34.52	176	167	Average	VERTICAL
2	4824.01	54.90	74.00	-19.10	51.13	5.60	32.69	34.52	176	167	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.98	49.32	54.00	-4.68	45.35	5.70	32.78	34.51	156	174	Average	HORIZONTAL
2	4874.04	52.76	74.00	-21.24	48.79	5.70	32.78	34.51	156	174	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.98	52.90	54.00	-1.10	48.93	5.70	32.78	34.51	176	159	Average	VERTICAL
2	4874.08	55.56	74.00	-18.44	51.59	5.70	32.78	34.51	176	159	Peak	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.96	52.85	74.00	-21.15	48.67	5.79	32.88	34.49	156	178	Peak	HORIZONTAL
2	4923.96	49.07	54.00	-4.93	44.89	5.79	32.88	34.49	156	178	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.98	55.82	74.00	-18.18	51.64	5.79	32.88	34.49	174	169	Peak	VERTICAL
2	4924.00	52.13	54.00	-1.87	47.95	5.79	32.88	34.49	174	169	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.24	33.28	54.00	-20.72	29.51	5.60	32.69	34.52	308	173	Average	HORIZONTAL
2	4826.52	45.54	74.00	-28.46	41.77	5.60	32.69	34.52	308	173	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.20	37.49	54.00	-16.51	33.72	5.60	32.69	34.52	174	173	Average	VERTICAL
2	4826.84	50.83	74.00	-23.17	47.06	5.60	32.69	34.52	174	173	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.28	44.34	54.00	-9.66	40.37	5.70	32.78	34.51	153	138	Average	HORIZONTAL
2	4876.68	57.69	74.00	-16.31	53.72	5.70	32.78	34.51	153	138	Peak	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.32	61.01	74.00	-12.99	57.04	5.70	32.78	34.51	171	160	Peak	VERTICAL
2	4876.28	47.30	54.00	-6.70	43.33	5.70	32.78	34.51	171	160	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4920.40	45.71	74.00	-28.29	41.53	5.79	32.88	34.49	204	177 Peak	HORIZONTAL
2	4926.76	33.55	54.00	-20.45	29.37	5.79	32.88	34.49	204	177 Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4926.72	50.53	74.00	-23.47	46.35	5.79	32.88	34.49	177	179 Peak	VERTICAL
2	4927.00	36.90	54.00	-17.10	32.72	5.79	32.88	34.49	177	179 Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.48	47.32	74.00	-26.68	43.55	5.60	32.69	34.52	134	144	Peak	HORIZONTAL
2	4826.88	34.45	54.00	-19.55	30.68	5.60	32.69	34.52	134	144	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.60	46.07	74.00	-27.93	42.30	5.60	32.69	34.52	290	230	Peak	VERTICAL
2	4827.24	33.93	54.00	-20.07	30.16	5.60	32.69	34.52	290	230	Average	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.60	57.61	74.00	-16.39	53.64	5.70	32.78	34.51	154	150	Peak	HORIZONTAL
2	4877.00	42.96	54.00	-11.04	38.99	5.70	32.78	34.51	154	150	Average	HORIZONTAL
3	7310.20	51.80	74.00	-22.20	42.52	6.81	37.23	34.76	254	166	Peak	HORIZONTAL
4	7312.92	37.82	54.00	-16.18	28.54	6.81	37.23	34.76	254	166	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.56	62.62	74.00	-11.38	58.65	5.70	32.78	34.51	203	228	Peak	VERTICAL
2	4877.04	48.01	54.00	-5.99	44.04	5.70	32.78	34.51	203	228	Average	VERTICAL
3	7310.44	38.19	54.00	-15.81	28.91	6.81	37.23	34.76	161	182	Average	VERTICAL
4	7312.30	51.80	74.00	-22.20	42.52	6.81	37.23	34.76	161	182	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.90	36.13	54.00	-17.87	31.95	5.79	32.88	34.49	137	228	Average	HORIZONTAL
2	4927.90	47.88	74.00	-26.12	43.70	5.79	32.88	34.49	137	228	Peak	HORIZONTAL
3	7384.56	51.71	74.00	-22.29	42.32	6.80	37.36	34.77	225	197	Peak	HORIZONTAL
4	7390.26	38.36	54.00	-15.64	28.97	6.80	37.36	34.77	225	197	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4927.50	49.03	74.00	-24.97	44.85	5.79	32.88	34.49	180	195	Peak	VERTICAL
2	4927.80	37.69	54.00	-16.31	33.51	5.79	32.88	34.49	180	195	Average	VERTICAL
3	7382.66	51.12	74.00	-22.88	41.76	6.80	37.33	34.77	162	173	Peak	VERTICAL
4	7390.74	38.59	54.00	-15.41	29.20	6.80	37.36	34.77	162	173	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4846.00	45.26	74.00	-28.74	41.42	5.63	32.72	34.51	213	147	Peak	HORIZONTAL
2	4847.70	32.95	54.00	-21.05	29.11	5.63	32.72	34.51	213	147	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4843.40	45.22	74.00	-28.78	41.38	5.63	32.72	34.51	142	170	Peak	VERTICAL
2	4845.90	33.34	54.00	-20.66	29.50	5.63	32.72	34.51	142	170	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4877.60	34.73	54.00	-19.27	30.76	5.70	32.78	34.51	135	241	Average	HORIZONTAL
2	4878.00	46.24	74.00	-27.76	42.27	5.70	32.78	34.51	135	241	Peak	HORIZONTAL
3	7311.40	51.06	74.00	-22.94	41.78	6.81	37.23	34.76	192	222	Peak	HORIZONTAL
4	7312.30	39.20	54.00	-14.80	29.92	6.81	37.23	34.76	192	222	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4877.60	36.14	54.00	-17.86	32.17	5.70	32.78	34.51	180	216	Average	VERTICAL
2	4877.70	48.57	74.00	-25.43	44.60	5.70	32.78	34.51	180	216	Peak	VERTICAL
3	7312.42	37.84	54.00	-16.16	28.56	6.81	37.23	34.76	135	172	Average	VERTICAL
4	7314.82	50.85	74.00	-23.15	41.57	6.81	37.23	34.76	135	172	Peak	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

#### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4904.40	45.58	74.00	-28.42	41.48	5.76	32.84	34.50	244	211	Peak	HORIZONTAL
2	4907.60	33.63	54.00	-20.37	29.53	5.76	32.84	34.50	244	211	Average	HORIZONTAL
3	7354.79	38.10	54.00	-15.90	28.75	6.81	37.31	34.77	174	146	Average	HORIZONTAL
4	7356.02	51.01	74.00	-22.99	41.66	6.81	37.31	34.77	174	146	Peak	HORIZONTAL

#### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4907.90	46.52	74.00	-27.48	42.42	5.76	32.84	34.50	201	254	Peak	VERTICAL
2	4907.90	34.74	54.00	-19.26	30.64	5.76	32.84	34.50	201	254	Average	VERTICAL
3	7353.60	38.16	54.00	-15.84	28.81	6.81	37.31	34.77	247	180	Average	VERTICAL
4	7357.96	50.86	74.00	-23.14	41.51	6.81	37.31	34.77	247	180	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 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4823.83	48.95	74.00	-25.05	44.67	5.87	33.42	35.01	Peak	228	40	HORIZONTAL
2	4823.96	43.24	54.00	-10.76	38.96	5.87	33.42	35.01	Average	228	40	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4823.98	48.10	54.00	-5.90	43.82	5.87	33.42	35.01	Average	233	211	VERTICAL
2	4824.20	51.93	74.00	-22.07	47.65	5.87	33.42	35.01	Peak	233	211	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.97	49.69	54.00	-4.31	45.25	5.92	33.53	35.01	Average	214	228	HORIZONTAL
2	4874.14	53.55	74.00	-20.45	49.11	5.92	33.53	35.01	Peak	214	228	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.95	52.21	54.00	-1.79	47.77	5.92	33.53	35.01	Average	120	166	VERTICAL
2	4874.00	55.36	74.00	-18.64	50.92	5.92	33.53	35.01	Peak	120	166	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.95	46.94	54.00	-7.06	42.76	5.79	32.88	34.49	132	104	Average	HORIZONTAL
2	4924.00	51.35	74.00	-22.65	47.17	5.79	32.88	34.49	132	104	Peak	HORIZONTAL
3	7383.78	50.39	74.00	-23.61	41.00	6.80	37.36	34.77	251	153	Peak	HORIZONTAL
4	7387.55	38.08	54.00	-15.92	28.69	6.80	37.36	34.77	251	153	Average	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.92	55.34	74.00	-18.66	51.16	5.79	32.88	34.49	194	107	Peak	VERTICAL
2	4923.94	52.34	54.00	-1.66	48.16	5.79	32.88	34.49	194	107	Average	VERTICAL
3	7384.84	50.53	74.00	-23.47	41.14	6.80	37.36	34.77	213	174	Peak	VERTICAL
4	7387.02	38.26	54.00	-15.74	28.87	6.80	37.36	34.77	213	174	Average	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.87	33.52	54.00	-20.48	29.24	5.87	33.42	35.01	Average	139	237	HORIZONTAL
2	4827.84	46.13	74.00	-27.87	41.85	5.87	33.42	35.01	Peak	139	237	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4820.56	33.59	54.00	-20.41	29.31	5.87	33.42	35.01	Average	180	97	VERTICAL
2	4821.69	45.89	74.00	-28.11	41.61	5.87	33.42	35.01	Peak	180	97	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.24	39.13	54.00	-14.87	34.69	5.92	33.53	35.01	Average	244	40	HORIZONTAL
2	4876.89	52.19	74.00	-21.81	47.75	5.92	33.53	35.01	Peak	244	40	HORIZONTAL
3	7311.45	49.69	74.00	-24.31	41.46	7.13	36.38	35.28	Peak	157	172	HORIZONTAL
4	7314.52	36.94	54.00	-17.06	28.71	7.13	36.38	35.28	Average	157	172	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.17	41.58	54.00	-12.42	37.14	5.92	33.53	35.01	Average	217	179	VERTICAL
2	4876.89	55.56	74.00	-18.44	51.12	5.92	33.53	35.01	Peak	217	179	VERTICAL
3	7306.60	37.12	54.00	-16.88	28.89	7.13	36.38	35.28	Average	171	224	VERTICAL
4	7315.95	50.24	74.00	-23.76	41.96	7.14	36.42	35.28	Peak	171	224	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4914.01	32.87	54.00	-21.13	28.32	5.95	33.61	35.01	Average	188	199	HORIZONTAL
2	4945.06	45.80	74.00	-28.20	41.14	5.98	33.69	35.01	Peak	188	199	HORIZONTAL
3	7384.63	37.31	54.00	-16.69	28.86	7.17	36.57	35.29	Average	157	271	HORIZONTAL
4	7388.40	50.26	74.00	-23.74	41.81	7.17	36.57	35.29	Peak	157	271	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4927.55	47.41	74.00	-26.59	42.80	5.97	33.65	35.01	Peak	232	218	VERTICAL
2	4927.84	34.82	54.00	-19.18	30.21	5.97	33.65	35.01	Average	232	218	VERTICAL
3	7384.29	49.88	74.00	-24.12	41.43	7.17	36.57	35.29	Peak	200	157	VERTICAL
4	7386.26	37.29	54.00	-16.71	28.84	7.17	36.57	35.29	Average	200	157	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4820.41	33.35	54.00	-20.65	29.07	5.87	33.42	35.01	Average	125	236	HORIZONTAL
2	4822.67	45.98	74.00	-28.02	41.70	5.87	33.42	35.01	Peak	125	236	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4819.89	33.79	54.00	-20.21	29.51	5.87	33.42	35.01	Average	162	147	VERTICAL
2	4825.46	46.75	74.00	-27.25	42.47	5.87	33.42	35.01	Peak	162	147	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.61	48.53	74.00	-25.47	44.09	5.92	33.53	35.01	Peak	300	221 HORIZONTAL
2	4877.11	36.00	54.00	-18.00	31.56	5.92	33.53	35.01	Average	300	221 HORIZONTAL
3	7306.56	49.88	74.00	-24.12	41.65	7.13	36.38	35.28	Peak	208	177 HORIZONTAL
4	7310.29	37.06	54.00	-16.94	28.83	7.13	36.38	35.28	Average	208	177 HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4876.46	54.25	74.00	-19.75	49.81	5.92	33.53	35.01	Peak	264	208 VERTICAL
2	4876.75	40.58	54.00	-13.42	36.14	5.92	33.53	35.01	Average	264	208 VERTICAL
3	7306.01	49.78	74.00	-24.22	41.55	7.13	36.38	35.28	Peak	208	129 VERTICAL
4	7307.80	36.98	54.00	-17.02	28.75	7.13	36.38	35.28	Average	208	129 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4922.68	46.04	74.00	-27.96	41.43	5.97	33.65	35.01	Peak	189	114	HORIZONTAL
2	4925.66	32.93	54.00	-21.07	28.32	5.97	33.65	35.01	Average	189	114	HORIZONTAL
3	7390.17	50.37	74.00	-23.63	41.92	7.17	36.57	35.29	Peak	148	183	HORIZONTAL
4	7390.67	37.57	54.00	-16.43	29.12	7.17	36.57	35.29	Average	148	183	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.58	45.91	74.00	-28.09	41.30	5.97	33.65	35.01	Peak	208	138	VERTICAL
2	4925.16	32.82	54.00	-21.18	28.21	5.97	33.65	35.01	Average	208	138	VERTICAL
3	7387.71	37.46	54.00	-16.54	29.01	7.17	36.57	35.29	Average	148	241	VERTICAL
4	7390.95	50.62	74.00	-23.38	42.17	7.17	36.57	35.29	Peak	148	241	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4840.51	45.59	74.00	-28.41	41.26	5.88	33.46	35.01	Peak	215	302 HORIZONTAL
2	4846.36	32.84	54.00	-21.16	28.51	5.88	33.46	35.01	Average	215	302 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4845.20	32.88	54.00	-21.12	28.55	5.88	33.46	35.01	Average	166	177 VERTICAL
2	4848.12	46.49	74.00	-27.51	42.16	5.88	33.46	35.01	Peak	166	177 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4870.54	33.43	54.00	-20.57	28.99	5.92	33.53	35.01	Average	188	158	HORIZONTAL
2	4875.20	46.67	74.00	-27.33	42.23	5.92	33.53	35.01	Peak	188	158	HORIZONTAL
3	7306.22	37.02	54.00	-16.98	28.79	7.13	36.38	35.28	Average	137	244	HORIZONTAL
4	7311.13	49.89	74.00	-24.11	41.66	7.13	36.38	35.28	Peak	137	244	HORIZONTAL

**Vertical**

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4875.49	33.78	54.00	-20.22	29.34	5.92	33.53	35.01	Average	154	218	VERTICAL
2	4877.18	46.03	74.00	-27.97	41.59	5.92	33.53	35.01	Peak	154	218	VERTICAL
3	7307.60	37.29	54.00	-16.71	29.06	7.13	36.38	35.28	Average	137	169	VERTICAL
4	7307.87	50.01	74.00	-23.99	41.78	7.13	36.38	35.28	Peak	137	169	VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.70	45.91	74.00	-28.09	41.36	5.95	33.61	35.01	Peak	158	51	HORIZONTAL
2	4905.97	33.11	54.00	-20.89	28.56	5.95	33.61	35.01	Average	158	51	HORIZONTAL
3	7354.66	50.39	74.00	-23.61	42.01	7.16	36.50	35.28	Peak	111	265	HORIZONTAL
4	7357.81	37.66	54.00	-16.34	29.28	7.16	36.50	35.28	Average	111	265	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.00	32.87	54.00	-21.13	28.32	5.95	33.61	35.01	Average	136	232	VERTICAL
2	4904.60	43.10	74.00	-30.90	38.55	5.95	33.61	35.01	Peak	136	232	VERTICAL
3	7353.63	50.69	74.00	-23.31	42.31	7.16	36.50	35.28	Peak	163	106	VERTICAL
4	7354.45	37.52	54.00	-16.48	29.14	7.16	36.50	35.28	Average	163	106	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 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4823.97	49.56	54.00	-4.44	45.28	5.87	33.42	35.01	Average	118	17 HORIZONTAL
2	4824.04	53.56	74.00	-20.44	49.28	5.87	33.42	35.01	Peak	118	17 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4824.01	52.66	54.00	-1.34	48.38	5.87	33.42	35.01	Average	144	324 VERTICAL
2	4824.08	56.53	74.00	-17.47	52.25	5.87	33.42	35.01	Peak	144	324 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4873.85	52.01	74.00	-21.99	47.57	5.92	33.53	35.01	Peak	164	357 HORIZONTAL
2	4873.97	45.96	54.00	-8.04	41.52	5.92	33.53	35.01	Average	164	357 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4873.98	50.25	54.00	-3.75	45.81	5.92	33.53	35.01	Average	150	328 VERTICAL
2	4874.02	55.05	74.00	-18.95	50.61	5.92	33.53	35.01	Peak	150	328 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4923.97	40.92	54.00	-13.08	36.31	5.97	33.65	35.01	Average	166	359 HORIZONTAL
2	4924.16	49.96	74.00	-24.04	45.35	5.97	33.65	35.01	Peak	166	359 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4923.90	51.54	74.00	-22.46	46.93	5.97	33.65	35.01	Peak	200	342 VERTICAL
2	4924.00	44.87	54.00	-9.13	40.26	5.97	33.65	35.01	Average	200	342 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4823.65	33.58	54.00	-20.42	29.30	5.87	33.42	35.01	Average	154	156 HORIZONTAL
2	4824.64	46.55	74.00	-27.45	42.27	5.87	33.42	35.01	Peak	154	156 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4815.43	33.36	54.00	-20.64	29.14	5.85	33.38	35.01	Average	151	162 VERTICAL
2	4824.20	46.80	74.00	-27.20	42.52	5.87	33.42	35.01	Peak	151	162 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4867.60	34.64	54.00	-19.36	30.20	5.92	33.53	35.01	Average	150	166 HORIZONTAL
2	4874.00	48.47	74.00	-25.53	44.03	5.92	33.53	35.01	Peak	150	166 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4872.70	34.10	54.00	-19.90	29.66	5.92	33.53	35.01	Average	155	137 VERTICAL
2	4877.16	46.92	74.00	-27.08	42.48	5.92	33.53	35.01	Peak	155	137 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4926.03	33.68	54.00	-20.32	29.07	5.97	33.65	35.01	Average	162	142 HORIZONTAL
2	4926.23	46.64	74.00	-27.36	42.03	5.97	33.65	35.01	Peak	162	142 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4927.91	47.86	74.00	-26.14	43.25	5.97	33.65	35.01	Peak	162	142 VERTICAL
2	4929.38	33.62	54.00	-20.38	29.01	5.97	33.65	35.01	Average	162	142 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4816.33	34.63	54.00	-19.37	30.41	5.85	33.38	35.01	160	155	HORIZONTAL
2	4817.60	47.76	74.00	-26.24	43.48	5.87	33.42	35.01	160	155	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	4822.67	33.46	54.00	-20.54	29.18	5.87	33.42	35.01	159	151	VERTICAL
2	4829.41	46.49	74.00	-27.51	42.21	5.87	33.42	35.01	159	151	VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4944.09	46.76	74.00	-27.24	42.10	5.98	33.69	35.01	Peak	157	155 HORIZONTAL
2	4944.23	33.66	54.00	-20.34	29.00	5.98	33.69	35.01	Average	157	155 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4940.30	47.07	74.00	-26.93	42.41	5.98	33.69	35.01	Peak	155	174 VERTICAL
2	4945.71	33.69	54.00	-20.31	29.03	5.98	33.69	35.01	Average	155	174 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4915.23	46.32	74.00	-27.68	41.77	5.95	33.61	35.01	Peak	160	215 HORIZONTAL
2	4928.28	33.69	54.00	-20.31	29.08	5.97	33.65	35.01	Average	160	215 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4925.97	33.48	54.00	-20.52	28.87	5.97	33.65	35.01	Average	157	202 VERTICAL
2	4930.34	47.13	74.00	-26.87	42.52	5.97	33.65	35.01	Peak	157	202 VERTICAL



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4836.74	35.47	54.00	-18.53	31.14	5.88	33.46	35.01	Average	156	182 HORIZONTAL
2	4837.58	47.47	74.00	-26.53	43.14	5.88	33.46	35.01	Peak	156	182 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4844.00	34.35	54.00	-19.65	30.02	5.88	33.46	35.01	Average	158	198 VERTICAL
2	4844.67	47.02	74.00	-26.98	42.69	5.88	33.46	35.01	Peak	158	198 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4867.11	33.95	54.00	-20.05	29.56	5.90	33.50	35.01	Average	154	9 HORIZONTAL
2	4868.01	46.94	74.00	-27.06	42.50	5.92	33.53	35.01	Peak	154	9 HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4873.54	33.89	54.00	-20.11	29.45	5.92	33.53	35.01	Average	157	18 VERTICAL
2	4875.91	46.75	74.00	-27.25	42.31	5.92	33.53	35.01	Peak	157	18 VERTICAL

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

#### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4904.98	46.88	74.00	-27.12	42.33	5.95	33.61	35.01	Peak	154	55 HORIZONTAL
2	4908.05	33.20	54.00	-20.80	28.65	5.95	33.61	35.01	Average	154	55 HORIZONTAL

#### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	4903.16	33.12	54.00	-20.88	28.57	5.95	33.61	35.01	Average	154	66 VERTICAL
2	4913.87	46.87	74.00	-27.13	42.32	5.95	33.61	35.01	Peak	154	66 VERTICAL

#### Note:

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

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

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

## 4.6. Emissions Measurement

### 4.6.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. 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 (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

### 4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of 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 (30dBc in any 100 kHz bandwidth emission)	100 kHz / 300 kHz for Peak

### 4.6.3. Test Procedures

For Radiated band edges Measurement:

1. The test procedure is the same as section 4.5.3.

For Radiated Out of Band Emission Measurement:

1. Test was performed in accordance with KDB558074 D01 v03r03 for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 section 10.1 Unwanted Emissions into Non-Restricted Frequency Bands Measurement Procedure.

#### **4.6.4. Test Setup Layout**

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.5.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.5.4.

#### **4.6.5. Test Deviation**

There is no deviation with the original standard.

#### **4.6.6. EUT Operation during Test**

The EUT was programmed to be in continuously transmitting mode.

#### 4.6.7. 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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

##### Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2372.40	61.25	74.00	-12.75	28.99	4.08	28.18	0.00 Peak	100	194	VERTICAL
2	2383.60	52.61	54.00	-1.39	20.35	4.08	28.18	0.00 Average	100	194	VERTICAL
3	2412.80	116.08			83.73	4.11	28.24	0.00 Average	100	194	VERTICAL
4	2413.00	120.10			87.75	4.11	28.24	0.00 Peak	100	194	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

##### Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.80	50.00	54.00	-4.00	17.70	4.09	28.21	0.00 Average	190	198	VERTICAL
2	2389.80	58.85	74.00	-15.15	26.55	4.09	28.21	0.00 Peak	190	198	VERTICAL
3	2437.80	115.33			82.89	4.13	28.31	0.00 Average	190	198	VERTICAL
4	2438.20	119.19			86.75	4.13	28.31	0.00 Peak	190	198	VERTICAL
5	2483.50	58.76	74.00	-15.24	26.23	4.16	28.37	0.00 Peak	190	198	VERTICAL
6	2484.20	50.14	54.00	-3.86	17.61	4.16	28.37	0.00 Average	190	198	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

##### Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2461.20	115.82			83.34	4.14	28.34	0.00 Peak	202	187	VERTICAL
2	2461.40	112.20			79.72	4.14	28.34	0.00 Average	202	187	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00 Average	202	187	VERTICAL
4	2483.50	59.98	74.00	-14.02	27.45	4.16	28.37	0.00 Peak	202	187	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.20	66.68	74.00	-7.32	34.38	4.09	28.21	0.00 Peak	138	192	VERTICAL
2	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00 Average	138	192	VERTICAL
3	2408.80	114.93			82.58	4.11	28.24	0.00 Peak	138	192	VERTICAL
4	2409.60	103.59			71.24	4.11	28.24	0.00 Average	138	192	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.40	61.41	74.00	-12.59	29.11	4.09	28.21	0.00 Peak	176	172	VERTICAL
2	2390.00	48.05	54.00	-5.95	15.75	4.09	28.21	0.00 Average	176	172	VERTICAL
3	2440.20	108.81			76.37	4.13	28.31	0.00 Average	176	172	VERTICAL
4	2444.60	119.79			87.35	4.13	28.31	0.00 Peak	176	172	VERTICAL
5	2483.50	52.64	54.00	-1.36	20.11	4.16	28.37	0.00 Average	176	172	VERTICAL
6	2483.80	65.94	74.00	-8.06	33.41	4.16	28.37	0.00 Peak	176	172	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2465.00	103.86			71.38	4.14	28.34	0.00 Average	167	168	VERTICAL
2	2465.20	114.37			81.89	4.14	28.34	0.00 Peak	167	168	VERTICAL
3	2483.50	52.71	54.00	-1.29	20.18	4.16	28.37	0.00 Average	167	168	VERTICAL
4	2483.50	66.56	74.00	-7.44	34.03	4.16	28.37	0.00 Peak	167	168	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

**Channel 1**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	65.80	74.00	-8.20	33.50	4.09	28.21	0.00	Peak	147	196	VERTICAL
2	2390.00	52.78	54.00	-1.22	20.48	4.09	28.21	0.00	Average	147	196	VERTICAL
3	2409.00	114.29			81.94	4.11	28.24	0.00	Peak	147	196	VERTICAL
4	2409.40	102.08			69.73	4.11	28.24	0.00	Average	147	196	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

**Channel 6**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	61.87	74.00	-12.13	29.57	4.09	28.21	0.00	Peak	137	194	VERTICAL
2	2390.00	49.33	54.00	-4.67	17.03	4.09	28.21	0.00	Average	137	194	VERTICAL
3	2438.20	109.85			77.41	4.13	28.31	0.00	Average	137	194	VERTICAL
4	2438.20	120.80			88.36	4.13	28.31	0.00	Peak	137	194	VERTICAL
5	2483.50	49.25	54.00	-4.75	16.72	4.16	28.37	0.00	Average	137	194	VERTICAL
6	2496.20	62.60	74.00	-11.40	30.03	4.17	28.40	0.00	Peak	137	194	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

**Channel 11**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2458.60	101.08			68.60	4.14	28.34	0.00	Average	172	182	VERTICAL
2	2458.80	113.86			81.38	4.14	28.34	0.00	Peak	172	182	VERTICAL
3	2483.50	52.86	54.00	-1.14	20.33	4.16	28.37	0.00	Average	172	182	VERTICAL
4	2483.50	66.55	74.00	-7.45	34.02	4.16	28.37	0.00	Peak	172	182	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2386.00	52.75	54.00	-1.25	20.45	4.09	28.21	0.00 Average	148	168	VERTICAL
2	2386.00	64.28	74.00	-9.72	31.98	4.09	28.21	0.00 Peak	148	168	VERTICAL
3	2425.20	95.44			63.04	4.12	28.28	0.00 Average	148	168	VERTICAL
4	2425.20	106.27			73.87	4.12	28.28	0.00 Peak	148	168	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.80	63.25	74.00	-10.75	30.95	4.09	28.21	0.00 Peak	105	194	VERTICAL
2	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00 Average	105	194	VERTICAL
3	2424.60	102.31			69.91	4.12	28.28	0.00 Average	105	194	VERTICAL
4	2424.60	112.28			79.88	4.12	28.28	0.00 Peak	105	194	VERTICAL
5	2483.60	51.45	54.00	-2.55	18.92	4.16	28.37	0.00 Average	105	194	VERTICAL
6	2483.60	61.45	74.00	-12.55	28.92	4.16	28.37	0.00 Peak	105	194	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2455.60	104.48			72.00	4.14	28.34	0.00 Peak	148	152	VERTICAL
2	2456.80	92.87			60.39	4.14	28.34	0.00 Average	148	152	VERTICAL
3	2484.40	52.96	54.00	-1.04	20.43	4.16	28.37	0.00 Average	148	152	VERTICAL
4	2484.80	65.12	74.00	-8.88	32.59	4.16	28.37	0.00 Peak	148	152	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2385.08	64.02	74.00	-9.98	31.76	4.08	28.18	0.00	Peak	102	360	VERTICAL
2	2387.40	52.88	54.00	-1.12	20.58	4.09	28.21	0.00	Average	102	360	VERTICAL
3	2408.82	112.61			80.26	4.11	28.24	0.00	Average	102	360	VERTICAL
4	2409.40	115.58			83.23	4.11	28.24	0.00	Peak	102	360	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.42	51.74	54.00	-2.26	19.44	4.09	28.21	0.00	Average	113	2	VERTICAL
2	2389.42	61.76	74.00	-12.24	29.46	4.09	28.21	0.00	Peak	113	2	VERTICAL
3	2438.45	120.14			87.70	4.13	28.31	0.00	Peak	113	2	VERTICAL
4	2438.74	117.63			85.19	4.13	28.31	0.00	Average	113	2	VERTICAL
5	2485.82	51.20	54.00	-2.80	18.67	4.16	28.37	0.00	Average	113	2	VERTICAL
6	2485.82	62.27	74.00	-11.73	29.74	4.16	28.37	0.00	Peak	113	2	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.53	61.94	74.00	-12.06	29.64	4.09	28.21	0.00	Peak	160	2	HORIZONTAL
2	2386.82	48.93	54.00	-5.07	16.63	4.09	28.21	0.00	Average	160	2	HORIZONTAL
3	2465.76	112.94			80.46	4.14	28.34	0.00	Average	160	2	HORIZONTAL
4	2465.76	115.45			82.97	4.14	28.34	0.00	Peak	160	2	HORIZONTAL
5	2483.50	64.21	74.00	-9.79	31.68	4.16	28.37	0.00	Peak	160	2	HORIZONTAL
6	2487.26	52.84	54.00	-1.16	20.31	4.16	28.37	0.00	Average	160	2	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.39	54.00	-1.61	20.09	4.09	28.21	0.00	Average	118	357	VERTICAL
2	2390.00	65.33	74.00	-8.67	33.03	4.09	28.21	0.00	Peak	118	357	VERTICAL
3	2404.19	103.31			70.96	4.11	28.24	0.00	Average	118	357	VERTICAL
4	2405.05	113.40			81.05	4.11	28.24	0.00	Peak	118	357	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.80	52.99	54.00	-1.01	20.69	4.09	28.21	0.00	Average	167	360	VERTICAL
2	2389.71	65.19	74.00	-8.81	32.89	4.09	28.21	0.00	Peak	167	360	VERTICAL
3	2435.26	123.43			91.03	4.12	28.28	0.00	Peak	167	360	VERTICAL
4	2436.13	113.63			81.23	4.12	28.28	0.00	Average	167	360	VERTICAL
5	2487.55	51.63	54.00	-2.37	19.06	4.17	28.40	0.00	Average	167	360	VERTICAL
6	2489.00	65.41	74.00	-8.59	32.84	4.17	28.40	0.00	Peak	167	360	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.13	104.86			72.38	4.14	28.34	0.00	Average	181	359	VERTICAL
2	2461.42	114.81			82.33	4.14	28.34	0.00	Peak	181	359	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	Average	181	359	VERTICAL
4	2483.50	67.75	74.00	-6.25	35.22	4.16	28.37	0.00	Peak	181	359	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.90	54.00	-1.10	20.60	4.09	28.21	0.00	Average	166	0	VERTICAL
2	2390.00	66.37	74.00	-7.63	34.07	4.09	28.21	0.00	Peak	166	0	VERTICAL
3	2410.26	114.56			82.21	4.11	28.24	0.00	Peak	166	0	VERTICAL
4	2410.55	103.47			71.12	4.11	28.24	0.00	Average	166	0	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.71	52.91	54.00	-1.09	20.61	4.09	28.21	0.00	Average	156	3	VERTICAL
2	2390.00	65.60	74.00	-8.40	33.30	4.09	28.21	0.00	Peak	156	3	VERTICAL
3	2428.90	112.32			79.92	4.12	28.28	0.00	Average	156	3	VERTICAL
4	2430.63	124.13			91.73	4.12	28.28	0.00	Peak	156	3	VERTICAL
5	2487.84	66.63	74.00	-7.37	34.06	4.17	28.40	0.00	Peak	156	3	VERTICAL
6	2488.71	52.68	54.00	-1.32	20.11	4.17	28.40	0.00	Average	156	3	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2463.74	102.66			70.18	4.14	28.34	0.00	Average	177	0	HORIZONTAL
2	2463.74	114.44			81.96	4.14	28.34	0.00	Peak	177	0	HORIZONTAL
3	2483.79	52.59	54.00	-1.41	20.06	4.16	28.37	0.00	Average	177	0	HORIZONTAL
4	2484.08	64.93	74.00	-9.07	32.40	4.16	28.37	0.00	Peak	177	0	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 25, 2015		
<b>Test Mode</b>	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	52.82	54.00	-1.18	20.52	4.09	28.21	0.00 Average	100	0	HORIZONTAL
2	2390.00	65.88	74.00	-8.12	33.58	4.09	28.21	0.00 Peak	100	0	HORIZONTAL
3	2429.81	109.70			77.30	4.12	28.28	0.00 Peak	100	0	HORIZONTAL
4	2430.10	99.71			67.31	4.12	28.28	0.00 Average	100	0	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2383.92	59.81	74.00	-14.19	27.55	4.08	28.18	0.00 Peak	177	2	HORIZONTAL
2	2390.00	47.91	54.00	-6.09	15.61	4.09	28.21	0.00 Average	177	2	HORIZONTAL
3	2442.21	113.50			81.06	4.13	28.31	0.00 Peak	177	2	HORIZONTAL
4	2442.60	103.38			70.94	4.13	28.31	0.00 Average	177	2	HORIZONTAL
5	2483.50	52.91	54.00	-1.09	20.38	4.16	28.37	0.00 Average	177	2	HORIZONTAL
6	2483.50	66.91	74.00	-7.09	34.38	4.16	28.37	0.00 Peak	177	2	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2457.21	111.00			78.52	4.14	28.34	0.00 Peak	153	359	VERTICAL
2	2457.79	101.32			68.84	4.14	28.34	0.00 Average	153	359	VERTICAL
3	2484.37	48.75	54.00	-5.25	16.22	4.16	28.37	0.00 Average	153	359	VERTICAL
4	2496.24	62.28	74.00	-11.72	29.71	4.17	28.40	0.00 Peak	153	359	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.04	61.57	74.00	-12.43	29.27	4.09	28.21	0.00	Peak	299	188	VERTICAL
2	2387.32	52.69	54.00	-1.31	20.39	4.09	28.21	0.00	Average	299	188	VERTICAL
3	2408.15	110.57			78.22	4.11	28.24	0.00	Average	299	188	VERTICAL
4	2408.47	113.67			81.32	4.11	28.24	0.00	Peak	299	188	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2355.91	60.34	74.00	-13.66	28.12	4.07	28.15	0.00	Peak	111	168	HORIZONTAL
2	2357.51	50.48	54.00	-3.52	18.26	4.07	28.15	0.00	Average	111	168	HORIZONTAL
3	2436.04	117.32			84.92	4.12	28.28	0.00	Peak	111	168	HORIZONTAL
4	2436.36	113.82			81.42	4.12	28.28	0.00	Average	111	168	HORIZONTAL
5	2485.74	49.51	54.00	-4.49	16.98	4.16	28.37	0.00	Average	111	168	HORIZONTAL
6	2491.17	60.14	74.00	-13.86	27.57	4.17	28.40	0.00	Peak	111	168	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2465.53	112.32			79.84	4.14	28.34	0.00	Peak	105	195	HORIZONTAL
2	2466.20	110.73			78.25	4.14	28.34	0.00	Average	105	195	HORIZONTAL
3	2486.71	62.28	74.00	-11.72	29.75	4.16	28.37	0.00	Peak	105	195	HORIZONTAL
4	2487.32	51.09	54.00	-2.91	18.56	4.16	28.37	0.00	Average	105	195	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00 Average	158	206	VERTICAL
2	2390.00	65.77	74.00	-8.23	33.47	4.09	28.21	0.00 Peak	158	206	VERTICAL
3	2409.60	100.91			68.56	4.11	28.24	0.00 Average	158	206	VERTICAL
4	2409.76	112.87			80.52	4.11	28.24	0.00 Peak	158	206	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2383.47	61.17	74.00	-12.83	28.91	4.08	28.18	0.00 Peak	212	200	HORIZONTAL
2	2388.60	50.22	54.00	-3.78	17.92	4.09	28.21	0.00 Average	212	200	HORIZONTAL
3	2442.13	111.84			79.40	4.13	28.31	0.00 Average	212	200	HORIZONTAL
4	2442.13	121.21			88.77	4.13	28.31	0.00 Peak	212	200	HORIZONTAL
5	2483.50	52.63	54.00	-1.37	20.10	4.16	28.37	0.00 Average	212	200	HORIZONTAL
6	2484.44	63.51	74.00	-10.49	30.98	4.16	28.37	0.00 Peak	212	200	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2463.28	101.95			69.47	4.14	28.34	0.00 Average	235	196	HORIZONTAL
2	2463.76	112.58			80.10	4.14	28.34	0.00 Peak	235	196	HORIZONTAL
3	2483.50	52.58	54.00	-1.42	20.05	4.16	28.37	0.00 Average	235	196	HORIZONTAL
4	2483.64	64.83	74.00	-9.17	32.30	4.16	28.37	0.00 Peak	235	196	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.89	64.38	74.00	-9.62	32.08	4.09	28.21	0.00 Peak	252	193	VERTICAL
2	2390.00	52.64	54.00	-1.36	20.34	4.09	28.21	0.00 Average	252	193	VERTICAL
3	2410.56	102.54			70.19	4.11	28.24	0.00 Average	252	193	VERTICAL
4	2410.88	112.72			80.37	4.11	28.24	0.00 Peak	252	193	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2364.56	49.56	54.00	-4.44	17.34	4.07	28.15	0.00 Average	242	158	VERTICAL
2	2364.56	60.80	74.00	-13.20	28.58	4.07	28.15	0.00 Peak	242	158	VERTICAL
3	2444.37	121.60			89.16	4.13	28.31	0.00 Peak	242	158	VERTICAL
4	2445.01	111.68			79.24	4.13	28.31	0.00 Average	242	158	VERTICAL
5	2483.50	66.10	74.00	-7.90	33.57	4.16	28.37	0.00 Peak	242	158	VERTICAL
6	2484.44	52.81	54.00	-1.19	20.28	4.16	28.37	0.00 Average	242	158	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2462.48	100.54			68.06	4.14	28.34	0.00 Average	292	170	VERTICAL
2	2463.76	112.26			79.78	4.14	28.34	0.00 Peak	292	170	VERTICAL
3	2483.50	52.64	54.00	-1.36	20.11	4.16	28.37	0.00 Average	292	170	VERTICAL
4	2483.96	64.02	74.00	-9.98	31.49	4.16	28.37	0.00 Peak	292	170	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 28, 2015		
<b>Test Mode</b>	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2387.39	52.87	54.00	-1.13	20.57	4.09	28.21	0.00 Average	300	182	VERTICAL
2	2388.67	65.29	74.00	-8.71	32.99	4.09	28.21	0.00 Peak	300	182	VERTICAL
3	2427.13	108.39			75.99	4.12	28.28	0.00 Peak	300	182	VERTICAL
4	2427.40	98.57			66.17	4.12	28.28	0.00 Average	300	182	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2387.00	50.56	54.00	-3.44	18.26	4.09	28.21	0.00 Average	258	150	VERTICAL
2	2387.00	62.27	74.00	-11.73	29.97	4.09	28.21	0.00 Peak	258	150	VERTICAL
3	2444.37	112.28			79.84	4.13	28.31	0.00 Peak	258	150	VERTICAL
4	2445.01	103.53			71.09	4.13	28.31	0.00 Average	258	150	VERTICAL
5	2483.80	52.54	54.00	-1.46	20.01	4.16	28.37	0.00 Average	258	150	VERTICAL
6	2484.12	63.77	74.00	-10.23	31.24	4.16	28.37	0.00 Peak	258	150	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2446.87	109.96			77.52	4.13	28.31	0.00 Peak	244	182	VERTICAL
2	2447.51	99.86			67.42	4.13	28.31	0.00 Average	244	182	VERTICAL
3	2487.26	52.66	54.00	-1.34	20.13	4.16	28.37	0.00 Average	244	182	VERTICAL
4	2487.58	65.51	74.00	-8.49	32.94	4.17	28.40	0.00 Peak	244	182	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2329.95	52.98	54.00	-1.02	21.05	3.69	28.24	0.00	352	155	Average	VERTICAL
2	2331.23	63.03	74.00	-10.97	31.10	3.69	28.24	0.00	352	155	Peak	VERTICAL
3	2410.08	120.69			88.81	3.76	28.12	0.00	352	155	Peak	VERTICAL
4	2410.08	117.28			85.40	3.76	28.12	0.00	352	155	Average	VERTICAL
5	2488.60	61.90	74.00	-12.10	30.07	3.83	28.00	0.00	352	155	Peak	VERTICAL
6	2488.92	51.08	54.00	-2.92	19.25	3.83	28.00	0.00	352	155	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2355.59	52.98	54.00	-1.02	21.07	3.72	28.19	0.00	346	141	Average	VERTICAL
2	2388.28	62.21	74.00	-11.79	30.32	3.75	28.14	0.00	346	141	Peak	VERTICAL
3	2435.08	122.97			91.10	3.77	28.10	0.00	346	141	Peak	VERTICAL
4	2435.08	119.34			87.47	3.77	28.10	0.00	346	141	Average	VERTICAL
5	2483.80	51.93	54.00	-2.07	20.09	3.82	28.02	0.00	346	141	Average	VERTICAL
6	2485.74	64.55	74.00	-9.45	32.71	3.82	28.02	0.00	346	141	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2380.27	63.54	74.00	-10.46	31.64	3.73	28.17	0.00	351	122	Peak	VERTICAL
2	2380.59	52.92	54.00	-1.08	21.02	3.73	28.17	0.00	351	122	Average	VERTICAL
3	2460.08	120.43			88.58	3.80	28.05	0.00	351	122	Peak	VERTICAL
4	2460.40	116.98			85.13	3.80	28.05	0.00	351	122	Average	VERTICAL
5	2487.00	65.36	74.00	-8.64	33.52	3.82	28.02	0.00	351	122	Peak	VERTICAL
6	2508.80	50.72	54.00	-3.28	18.84	3.84	28.04	0.00	351	122	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	65.01	74.00	-8.99	33.12	3.75	28.14	0.00	8	148	Peak	VERTICAL
2	2390.00	52.88	54.00	-1.12	20.99	3.75	28.14	0.00	8	148	Average	VERTICAL
3	2411.04	107.98			76.10	3.76	28.12	0.00	8	148	Average	VERTICAL
4	2411.36	118.79			86.91	3.76	28.12	0.00	8	148	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2352.06	52.81	54.00	-1.19	20.90	3.72	28.19	0.00	10	117	Average	HORIZONTAL
2	2352.71	63.86	74.00	-10.14	31.95	3.72	28.19	0.00	10	117	Peak	HORIZONTAL
3	2430.91	126.24			94.37	3.77	28.10	0.00	10	117	Peak	HORIZONTAL
4	2431.87	115.39			83.52	3.77	28.10	0.00	10	117	Average	HORIZONTAL
5	2483.50	63.45	74.00	-10.55	31.61	3.82	28.02	0.00	10	117	Peak	HORIZONTAL
6	2492.80	50.63	54.00	-3.37	18.80	3.83	28.00	0.00	10	117	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.64	118.38			86.53	3.80	28.05	0.00	8	116	Peak	VERTICAL
2	2462.96	106.60			74.75	3.80	28.05	0.00	8	116	Average	VERTICAL
3	2483.50	52.99	54.00	-1.01	21.15	3.82	28.02	0.00	8	116	Average	VERTICAL
4	2483.80	67.37	74.00	-6.63	35.53	3.82	28.02	0.00	8	116	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Channel 1

	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	2390.00	65.70	74.00	-8.30	33.81	3.75	28.14	0.00	13	114 Peak	HORIZONTAL
2	2390.00	52.76	54.00	-1.24	20.87	3.75	28.14	0.00	13	114 Average	HORIZONTAL
3	2410.56	107.66			75.78	3.76	28.12	0.00	13	114 Average	HORIZONTAL
4	2411.20	118.00			86.12	3.76	28.12	0.00	13	114 Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	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	2351.74	52.98	54.00	-1.02	21.07	3.72	28.19	0.00	352	116 Average	VERTICAL
2	2379.31	64.60	74.00	-9.40	32.70	3.73	28.17	0.00	352	116 Peak	VERTICAL
3	2431.55	125.78			93.91	3.77	28.10	0.00	352	116 Peak	VERTICAL
4	2431.87	115.00			83.13	3.77	28.10	0.00	352	116 Average	VERTICAL
5	2484.12	65.11	74.00	-8.89	33.27	3.82	28.02	0.00	352	116 Peak	VERTICAL
6	2510.40	51.11	54.00	-2.89	19.23	3.84	28.04	0.00	352	116 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	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	2464.40	108.30			76.45	3.80	28.05	0.00	356	114 Average	VERTICAL
2	2464.56	118.37			86.52	3.80	28.05	0.00	356	114 Peak	VERTICAL
3	2483.50	52.52	54.00	-1.48	20.68	3.82	28.02	0.00	356	114 Average	VERTICAL
4	2483.80	64.42	74.00	-9.58	32.58	3.82	28.02	0.00	356	114 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 30, 2015		
<b>Test Mode</b>	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

### Channel 3

	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	2388.67	64.51	74.00	-9.49	32.62	3.75	28.14	0.00	4	117 Peak	VERTICAL
2	2388.67	52.91	54.00	-1.09	21.02	3.75	28.14	0.00	4	117 Average	VERTICAL
3	2428.73	102.32			70.45	3.77	28.10	0.00	4	117 Average	VERTICAL
4	2429.37	111.74			79.87	3.77	28.10	0.00	4	117 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	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	2386.52	61.16	74.00	-12.84	29.27	3.75	28.14	0.00	5	145 Peak	VERTICAL
2	2390.00	50.39	54.00	-3.61	18.50	3.75	28.14	0.00	5	145 Average	VERTICAL
3	2443.73	107.26			75.40	3.79	28.07	0.00	5	145 Average	VERTICAL
4	2444.69	117.39			85.53	3.79	28.07	0.00	5	145 Peak	VERTICAL
5	2483.50	64.71	74.00	-9.29	32.87	3.82	28.02	0.00	5	145 Peak	VERTICAL
6	2483.50	52.61	54.00	-1.39	20.77	3.82	28.02	0.00	5	145 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	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	2444.63	113.05			81.19	3.79	28.07	0.00	2	125 Peak	VERTICAL
2	2444.95	103.38			71.52	3.79	28.07	0.00	2	125 Average	VERTICAL
3	2484.69	52.45	54.00	-1.55	20.61	3.82	28.02	0.00	2	125 Average	VERTICAL
4	2485.65	63.59	74.00	-10.41	31.75	3.82	28.02	0.00	2	125 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	52.80	54.00	-1.20	20.91	3.75	28.14	0.00	355	166	Average	HORIZONTAL
2	2386.40	62.04	74.00	-11.96	30.15	3.75	28.14	0.00	355	166	Peak	HORIZONTAL
3	2408.80	111.26			79.38	3.76	28.12	0.00	355	166	Average	HORIZONTAL
4	2414.80	115.00			83.12	3.76	28.12	0.00	355	166	Peak	HORIZONTAL
5	2494.00	58.53	74.00	-15.47	26.70	3.83	28.00	0.00	355	166	Peak	HORIZONTAL
6	2494.00	48.66	54.00	-5.34	16.83	3.83	28.00	0.00	355	166	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.80	59.03	74.00	-14.97	27.14	3.75	28.14	0.00	359	195	Peak	VERTICAL
2	2387.80	49.28	54.00	-4.72	17.39	3.75	28.14	0.00	359	195	Average	VERTICAL
3	2436.20	117.70			85.83	3.77	28.10	0.00	359	195	Peak	VERTICAL
4	2436.20	115.51			83.64	3.77	28.10	0.00	359	195	Average	VERTICAL
5	2483.50	58.53	74.00	-15.47	26.69	3.82	28.02	0.00	359	195	Peak	VERTICAL
6	2486.20	50.22	54.00	-3.78	18.38	3.82	28.02	0.00	359	195	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2380.00	58.57	74.00	-15.43	26.67	3.73	28.17	0.00	12	185	Peak	HORIZONTAL
2	2381.20	49.48	54.00	-4.52	17.58	3.73	28.17	0.00	12	185	Average	HORIZONTAL
3	2460.40	119.80			87.95	3.80	28.05	0.00	12	185	Peak	HORIZONTAL
4	2460.80	116.57			84.72	3.80	28.05	0.00	12	185	Average	HORIZONTAL
5	2483.50	52.91	54.00	-1.09	21.07	3.82	28.02	0.00	12	185	Average	HORIZONTAL
6	2484.00	66.88	74.00	-7.12	35.04	3.82	28.02	0.00	12	185	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.44	74.00	-7.56	34.55	3.75	28.14	0.00	1	173	Peak	VERTICAL
2	2390.00	52.77	54.00	-1.23	20.88	3.75	28.14	0.00	1	173	Average	VERTICAL
3	2408.80	104.84			72.96	3.76	28.12	0.00	1	173	Average	VERTICAL
4	2409.20	115.85			83.97	3.76	28.12	0.00	1	173	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2363.80	60.08	74.00	-13.92	28.17	3.72	28.19	0.00	343	155	Peak	VERTICAL
2	2388.20	48.51	54.00	-5.49	16.62	3.75	28.14	0.00	343	155	Average	VERTICAL
3	2441.80	122.57			90.71	3.79	28.07	0.00	343	155	Peak	VERTICAL
4	2442.20	112.30			80.44	3.79	28.07	0.00	343	155	Average	VERTICAL
5	2483.50	68.03	74.00	-5.97	36.19	3.82	28.02	0.00	343	155	Peak	VERTICAL
6	2483.50	52.98	54.00	-1.02	21.14	3.82	28.02	0.00	343	155	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.80	116.11			84.26	3.80	28.05	0.00	2	190	Peak	VERTICAL
2	2465.20	105.57			73.72	3.80	28.05	0.00	2	190	Average	VERTICAL
3	2483.50	65.17	74.00	-8.83	33.33	3.82	28.02	0.00	2	190	Peak	VERTICAL
4	2483.50	52.68	54.00	-1.32	20.84	3.82	28.02	0.00	2	190	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Channel 1

	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	2390.00	66.31	74.00	-7.69	34.42	3.75	28.14	0.00	0	157 Peak	VERTICAL
2	2390.00	52.96	54.00	-1.04	21.07	3.75	28.14	0.00	0	157 Average	VERTICAL
3	2408.40	114.10			82.22	3.76	28.12	0.00	0	157 Peak	VERTICAL
4	2409.00	102.85			70.97	3.76	28.12	0.00	0	157 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	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	2386.20	60.62	74.00	-13.38	28.73	3.75	28.14	0.00	348	165 Peak	VERTICAL
2	2389.80	48.18	54.00	-5.82	16.29	3.75	28.14	0.00	348	165 Average	VERTICAL
3	2442.20	122.89			91.03	3.79	28.07	0.00	348	165 Peak	VERTICAL
4	2442.20	111.02			79.16	3.79	28.07	0.00	348	165 Average	VERTICAL
5	2483.50	52.99	54.00	-1.01	21.15	3.82	28.02	0.00	348	165 Average	VERTICAL
6	2483.80	65.89	74.00	-8.11	34.05	3.82	28.02	0.00	348	165 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	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	2465.20	104.97			73.12	3.80	28.05	0.00	1	170 Average	VERTICAL
2	2466.00	115.01			83.16	3.80	28.05	0.00	1	170 Peak	VERTICAL
3	2484.00	66.34	74.00	-7.66	34.50	3.82	28.02	0.00	1	170 Peak	VERTICAL
4	2484.20	52.94	54.00	-1.06	21.10	3.82	28.02	0.00	1	170 Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	66.17	74.00	-7.83	34.28	3.75	28.14	0.00	5	148	Peak	HORIZONTAL
2	2386.00	52.66	54.00	-1.34	20.77	3.75	28.14	0.00	5	148	Average	HORIZONTAL
3	2425.60	109.17			77.30	3.77	28.10	0.00	5	148	Peak	HORIZONTAL
4	2425.60	99.35			67.48	3.77	28.10	0.00	5	148	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	64.32	74.00	-9.68	32.43	3.75	28.14	0.00	356	153	Peak	VERTICAL
2	2390.00	52.71	54.00	-1.29	20.82	3.75	28.14	0.00	356	153	Average	VERTICAL
3	2429.40	112.94			81.07	3.77	28.10	0.00	356	153	Peak	VERTICAL
4	2429.80	101.73			69.86	3.77	28.10	0.00	356	153	Average	VERTICAL
5	2483.80	47.91	54.00	-6.09	16.07	3.82	28.02	0.00	356	153	Average	VERTICAL
6	2489.40	62.20	74.00	-11.80	30.37	3.83	28.00	0.00	356	153	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2448.00	109.89			78.03	3.79	28.07	0.00	6	142	Peak	HORIZONTAL
2	2448.40	100.70			68.84	3.79	28.07	0.00	6	142	Average	HORIZONTAL
3	2488.00	66.79	74.00	-7.21	34.96	3.83	28.00	0.00	6	142	Peak	HORIZONTAL
4	2488.80	52.76	54.00	-1.24	20.93	3.83	28.00	0.00	6	142	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2375.24	52.35	54.00	-1.65	20.09	4.08	28.18	0.00	Average	100	205	VERTICAL
2	2387.69	62.37	74.00	-11.63	30.07	4.09	28.21	0.00	Peak	100	205	VERTICAL
3	2413.45	120.51			88.16	4.11	28.24	0.00	Peak	100	205	VERTICAL
4	2413.74	118.11			85.76	4.11	28.24	0.00	Average	100	205	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	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	2355.80	59.43	74.00	-14.57	27.52	3.72	28.19	0.00	208	107	Peak	VERTICAL
2	2355.80	49.47	54.00	-4.53	17.56	3.72	28.19	0.00	208	107	Average	VERTICAL
3	2436.20	120.93			89.06	3.77	28.10	0.00	208	107	Peak	VERTICAL
4	2436.20	117.06			85.19	3.77	28.10	0.00	208	107	Average	VERTICAL
5	2483.50	48.28	54.00	-5.72	16.44	3.82	28.02	0.00	208	107	Average	VERTICAL
6	2484.60	58.10	74.00	-15.90	26.26	3.82	28.02	0.00	208	107	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	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	2461.20	115.80			83.95	3.80	28.05	0.00	253	118	Peak	VERTICAL
2	2461.20	111.95			80.10	3.80	28.05	0.00	253	118	Average	VERTICAL
3	2488.00	60.42	74.00	-13.58	28.59	3.83	28.00	0.00	253	118	Peak	VERTICAL
4	2488.80	52.41	54.00	-1.59	20.58	3.83	28.00	0.00	253	118	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 20, 2015 ~ Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.21	54.00	-1.79	19.91	4.09	28.21	0.00	Average	100	62	VERTICAL
2	2390.00	66.52	74.00	-7.48	34.22	4.09	28.21	0.00	Peak	100	62	VERTICAL
3	2409.68	115.17			82.82	4.11	28.24	0.00	Peak	100	62	VERTICAL
4	2409.97	105.04			72.69	4.11	28.24	0.00	Average	100	62	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.42	66.15	74.00	-7.85	33.85	4.09	28.21	0.00	Peak	121	25	VERTICAL
2	2390.00	52.90	54.00	-1.10	20.60	4.09	28.21	0.00	Average	121	25	VERTICAL
3	2433.53	125.79			93.39	4.12	28.28	0.00	Peak	121	25	VERTICAL
4	2433.82	115.57			83.17	4.12	28.28	0.00	Average	121	25	VERTICAL
5	2494.02	51.97	54.00	-2.03	19.40	4.17	28.40	0.00	Average	121	25	VERTICAL
6	2495.18	65.92	74.00	-8.08	33.35	4.17	28.40	0.00	Peak	121	25	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2469.24	102.64			70.16	4.14	28.34	0.00	Average	109	3	VERTICAL
2	2469.53	112.39			79.91	4.14	28.34	0.00	Peak	109	3	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	Average	109	3	VERTICAL
4	2483.50	66.88	74.00	-7.12	34.35	4.16	28.37	0.00	Peak	109	3	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	52.68	54.00	-1.32	20.38	4.09	28.21	0.00 Average	122	354	VERTICAL
2	2390.00	65.00	74.00	-9.00	32.70	4.09	28.21	0.00 Peak	122	354	VERTICAL
3	2410.55	102.45			70.10	4.11	28.24	0.00 Average	122	354	VERTICAL
4	2411.13	112.48			80.13	4.11	28.24	0.00 Peak	122	354	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2383.92	62.21	74.00	-11.79	29.95	4.08	28.18	0.00 Peak	102	115	VERTICAL
2	2390.00	49.43	54.00	-4.57	17.13	4.09	28.21	0.00 Average	102	115	VERTICAL
3	2443.95	111.87			79.43	4.13	28.31	0.00 Average	102	115	VERTICAL
4	2444.24	123.59			91.15	4.13	28.31	0.00 Peak	102	115	VERTICAL
5	2483.79	52.65	54.00	-1.35	20.12	4.16	28.37	0.00 Average	102	115	VERTICAL
6	2483.89	66.41	74.00	-7.59	33.88	4.16	28.37	0.00 Peak	102	115	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2462.29	102.95			70.47	4.14	28.34	0.00 Average	108	5	VERTICAL
2	2463.45	114.40			81.92	4.14	28.34	0.00 Peak	108	5	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00 Average	108	5	VERTICAL
4	2483.50	66.54	74.00	-7.46	34.01	4.16	28.37	0.00 Peak	108	5	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 21, 2015		
<b>Test Mode</b>	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.71	52.81	54.00	-1.19	20.51	4.09	28.21	0.00	Average	135	26	VERTICAL
2	2389.00	64.60	74.00	-9.40	32.30	4.09	28.21	0.00	Peak	135	26	VERTICAL
3	2428.95	99.83			67.43	4.12	28.28	0.00	Average	135	26	VERTICAL
4	2429.53	109.46			77.06	4.12	28.28	0.00	Peak	135	26	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.66	54.00	-1.34	20.36	4.09	28.21	0.00	Average	117	26	VERTICAL
2	2390.00	65.11	74.00	-8.89	32.81	4.09	28.21	0.00	Peak	117	26	VERTICAL
3	2438.45	100.56			68.12	4.13	28.31	0.00	Average	117	26	VERTICAL
4	2438.45	110.57			78.13	4.13	28.31	0.00	Peak	117	26	VERTICAL
5	2484.18	63.92	74.00	-10.08	31.39	4.16	28.37	0.00	Peak	117	26	VERTICAL
6	2484.95	49.73	54.00	-4.27	17.20	4.16	28.37	0.00	Average	117	26	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2444.47	110.39			77.95	4.13	28.31	0.00	Peak	107	207	VERTICAL
2	2445.05	100.33			67.89	4.13	28.31	0.00	Average	107	207	VERTICAL
3	2484.42	52.14	54.00	-1.86	19.61	4.16	28.37	0.00	Average	107	207	VERTICAL
4	2485.00	64.99	74.00	-9.01	32.46	4.16	28.37	0.00	Peak	107	207	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 15, 2015 ~ Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2383.34	61.76	74.00	-12.24	29.50	4.08	28.18	0.00	Peak	100	49	HORIZONTAL
2	2387.40	49.82	54.00	-4.18	17.52	4.09	28.21	0.00	Average	100	49	HORIZONTAL
3	2410.26	115.92			83.57	4.11	28.24	0.00	Average	100	49	HORIZONTAL
4	2410.55	118.77			86.42	4.11	28.24	0.00	Peak	100	49	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2355.85	49.77	54.00	-4.23	17.55	4.07	28.15	0.00	Average	113	54	HORIZONTAL
2	2388.84	62.05	74.00	-11.95	29.75	4.09	28.21	0.00	Peak	113	54	HORIZONTAL
3	2436.13	115.86			83.46	4.12	28.28	0.00	Average	113	54	HORIZONTAL
4	2436.13	115.86			83.46	4.12	28.28	0.00	Peak	113	54	HORIZONTAL
5	2499.71	62.02	74.00	-11.98	29.45	4.17	28.40	0.00	Peak	113	54	HORIZONTAL
6	2500.00	47.86	54.00	-6.14	15.29	4.17	28.40	0.00	Average	113	54	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.13	114.87			82.39	4.14	28.34	0.00	Average	121	44	HORIZONTAL
2	2461.42	117.71			85.23	4.14	28.34	0.00	Peak	121	44	HORIZONTAL
3	2487.84	49.58	54.00	-4.42	17.01	4.17	28.40	0.00	Average	121	44	HORIZONTAL
4	2487.84	61.77	74.00	-12.23	29.20	4.17	28.40	0.00	Peak	121	44	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	52.45	54.00	-1.55	20.15	4.09	28.21	0.00	Average	120	50	HORIZONTAL
2	2390.00	55.09	74.00	-18.91	22.79	4.09	28.21	0.00	Peak	120	50	HORIZONTAL
3	2404.47	109.09			76.74	4.11	28.24	0.00	Peak	120	50	HORIZONTAL
4	2404.76	105.26			72.91	4.11	28.24	0.00	Average	120	50	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	50.61	54.00	-3.39	18.31	4.09	28.21	0.00	Average	125	336	HORIZONTAL
2	2390.00	64.04	74.00	-9.96	31.74	4.09	28.21	0.00	Peak	125	336	HORIZONTAL
3	2438.16	110.97			78.53	4.13	28.31	0.00	Average	125	336	HORIZONTAL
4	2439.03	120.86			88.42	4.13	28.31	0.00	Peak	125	336	HORIZONTAL
5	2483.50	60.52	74.00	-13.48	27.99	4.16	28.37	0.00	Peak	125	336	HORIZONTAL
6	2500.00	48.58	54.00	-5.42	16.01	4.17	28.40	0.00	Average	125	336	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2462.87	112.23			79.75	4.14	28.34	0.00	Peak	125	313	HORIZONTAL
2	2463.01	102.57			70.09	4.14	28.34	0.00	Average	125	313	HORIZONTAL
3	2483.50	52.67	54.00	-1.33	20.14	4.16	28.37	0.00	Average	125	313	HORIZONTAL
4	2483.50	66.19	74.00	-7.81	33.66	4.16	28.37	0.00	Peak	125	313	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	52.56	54.00	-1.44	20.26	4.09	28.21	0.00 Average	119	55	HORIZONTAL
2	2390.00	67.13	74.00	-6.87	34.83	4.09	28.21	0.00 Peak	119	55	HORIZONTAL
3	2408.38	115.04			82.69	4.11	28.24	0.00 Peak	119	55	HORIZONTAL
4	2409.25	103.60			71.25	4.11	28.24	0.00 Average	119	55	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

### Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	49.89	54.00	-4.11	17.59	4.09	28.21	0.00 Average	250	45	VERTICAL
2	2390.00	62.34	74.00	-11.66	30.04	4.09	28.21	0.00 Peak	250	45	VERTICAL
3	2441.05	111.97			79.53	4.13	28.31	0.00 Average	250	45	VERTICAL
4	2441.05	122.90			90.46	4.13	28.31	0.00 Peak	250	45	VERTICAL
5	2483.50	52.04	54.00	-1.96	19.51	4.16	28.37	0.00 Average	250	45	VERTICAL
6	2483.50	66.12	74.00	-7.88	33.59	4.16	28.37	0.00 Peak	250	45	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2463.45	101.47			68.99	4.14	28.34	0.00 Average	258	0	VERTICAL
2	2463.74	114.05			81.57	4.14	28.34	0.00 Peak	258	0	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00 Average	258	0	VERTICAL
4	2483.50	65.90	74.00	-8.10	33.37	4.16	28.37	0.00 Peak	258	0	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.



<b>Temperature</b>	25°C	<b>Humidity</b>	55%
<b>Test Engineer</b>	Stim Sung	<b>Configurations</b>	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
<b>Test Date</b>	Oct. 16, 2015		
<b>Test Mode</b>	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

### Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.82	52.67	54.00	-1.33	20.37	4.09	28.21	0.00	Average	152	42	HORIZONTAL
2	2387.11	64.68	74.00	-9.32	32.38	4.09	28.21	0.00	Peak	152	42	HORIZONTAL
3	2426.34	99.41			67.01	4.12	28.28	0.00	Average	152	42	HORIZONTAL
4	2426.92	109.39			76.99	4.12	28.28	0.00	Peak	152	42	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

### Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	50.42	54.00	-3.58	18.12	4.09	28.21	0.00	Average	272	15	VERTICAL
2	2390.00	62.63	74.00	-11.37	30.33	4.09	28.21	0.00	Peak	272	15	VERTICAL
3	2443.66	102.17			69.73	4.13	28.31	0.00	Average	272	15	VERTICAL
4	2444.53	111.77			79.33	4.13	28.31	0.00	Peak	272	15	VERTICAL
5	2483.50	52.77	54.00	-1.23	20.24	4.16	28.37	0.00	Average	272	15	VERTICAL
6	2483.50	65.40	74.00	-8.60	32.87	4.16	28.37	0.00	Peak	272	15	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

### Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2444.19	98.42			65.98	4.13	28.31	0.00	Average	123	306	HORIZONTAL
2	2463.29	108.32			75.84	4.14	28.34	0.00	Peak	123	306	HORIZONTAL
3	2483.50	52.85	54.00	-1.15	20.32	4.16	28.37	0.00	Average	123	306	HORIZONTAL
4	2483.50	64.85	74.00	-9.15	32.32	4.16	28.37	0.00	Peak	123	306	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

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

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