FCC/IC RF Test Report

APPLICANT	**:**	**Kilpatrick LLC**
EQUIPMENT	**:**	**Tablet PC**
MODEL NAME	**:**	**C9R6QM**
FCC ID	**:**	**S2F-8560**
IC	**:**	**10888A-8560**
STANDARD	**:**	**FCC Part 15 Subpart E §15.407**
		IC RSS-210 issue 8
CLASSIFICATION	**:**	**(NII) Unlicensed National Information Infrastructure**

The product was completely tested on Aug. 21, 2013. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown to be compliant with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR332726-04C	Rev. 01	Initial issue of report	Aug. 23, 2013

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.407(b)	RSS-210 A9.3	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 0.53 dB at 5350.000 MHz

1 General Description

1.1 Applicant

Kilpatrick LLC
102 S. Tejon Street
Suite 1100
Colorado Springs, Colorado 80903

1.2 Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Model Name	C9R6QM
FCC ID	S2F-8560
IC	10888A-8560
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 Bluetooth v3.0

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.3 Product Specification of Equipment Under Test

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>Tx/Rx Channel Frequency Range</td><td>5180 MHz ~ 5240 MHz
5260 MHz ~ 5320 MHz
5500 MHz ~ 5580 MHz
5660 MHz ~ 5720 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : Fixed internal Antenna with gain 2.70 dBi
Ant. 2 : Fixed internal Antenna with gain 4.10 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : Fixed internal Antenna with gain 3.00 dBi
Ant. 2 : Fixed internal Antenna with gain 4.20 dBi
<5500 MHz ~ 5580 MHz and 5660 MHz ~ 5720 MHz >
Ant. 1 : Fixed internal Antenna with gain 3.80 dBi
Ant. 2 : Fixed internal Antenna with gain 1.70 dBi</td></tr>
<tr><td>Type of Modulation</td><td>OFDM (BPSK / QPSK / 16QAM / 64QAM)</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a MIMO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 n MIMO</td><td>V</td><td>V</td></tr>
</table>
</td></tr>
</table>

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Site

Test Site	SPORTON INTERNATIONAL INC.			
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-3273456 / FAX: +886-3-3284978			
Test Site No.	Sporton Site No.			FCC/IC Registration No.
	TH02-HY	CO05-HY	03CH08-HY	636805/4086B

The test site complies with ANSI C63.4 2003 requirement.

1.6 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D01 General UNII Test Procedures v01r03
- FCC KDB 662911 D01 Multiple Transmitter Output v02.
- ANSI C63.4-2003
- IC RSS-210 Issued 8
- IC RSS-Gen Issue 3
- NOTICE 2012-DRS0126

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. Per the section 2.2.3 of Notice of 2012-DRS0126, " Receivers Excluded from Industry Canada Requirements", only radiocommunication receivers operating in stand-alone mode within the band 30-960 MHz and scanner receivers are subject to Industry Canada requirements.

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1	36	5180	44	5220
	38	**5190**	**46**	**5230**
	40	5200	48	5240

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2	52	5260	60	5300
	54	**5270**	**62**	**5310**
	56	5280	64	5320

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500-5580 MHz and 5660-5720 MHz Band 3	100	5500	132	5660
	102	**5510**	**134**	**5670**
	104	5520	136	5680
	108	5540	140	5700
	110	**5550**	**142**	**5710**
	112	5560	144	5720
	116	5580	-	-

Note: The above Frequency and Channel in boldface were 802.11n HT40.

2.2 Test Mode

Final results of test modes, data rates and test channels are shown as following table.

Test Cases				
Radiated TCs	Radiated Band Edge	802.11a	6 Mbps	L/H
		802.11n HT20	MCS0	L/H
		802.11n HT40	MCS0	L/H
	Radiated Spurious Emission	802.11a	6 Mbps	L/M/H/Straddle
		802.11n HT20	MCS0	L/M/H/Straddle
		802.11n HT40	MCS0	L/M/H/Straddle

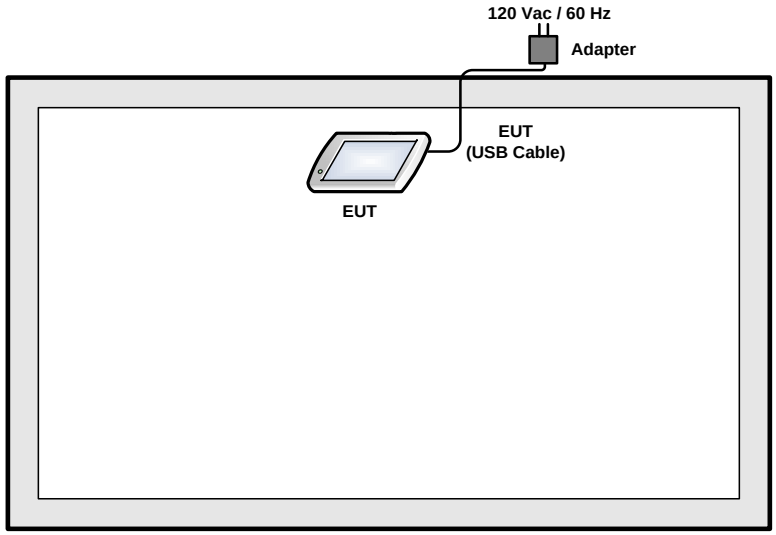
Ch. #		Band 1：5150-5250 MHz	Band 2：5250-5350 MHz	Band 3：5500-5580 MHz and 5660-5720 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band 1：5150-5250 MHz	Band 2：5250-5350 MHz	Band 3：5500-5580 MHz and 5660-5720 MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band 1：5150-5250 MHz	Band 2：5250-5350 MHz	Band 3：5500-5580 MHz and 5660-5720 MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	LCD Monitor	DELL	U2410	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
4.	iPod	Apple	A1285	DoC	Shielded, 1.0 m	N/A
5.	iPod Earphone	Apple	N/A	FCC DoC	Unshielded, 1.0 m	N/A
6.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 Description of RF Function Operation Test Setup

For WLAN function, programmed RF utility, “ADB” installed in the EUT make the EUT provides functions like channel selection and power level for continuous transmitting and receiving signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

3.1.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5500 MHz ~ 5580 MHz and 5660 MHz ~ 5720 MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

Frequency (MHz)	Field Strength (microvolts/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

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.3
- 27	68.3

(3) KDB789033 v01r03 H)2)c)(i) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r03.
   Section H) Unwanted emissions measurement.
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

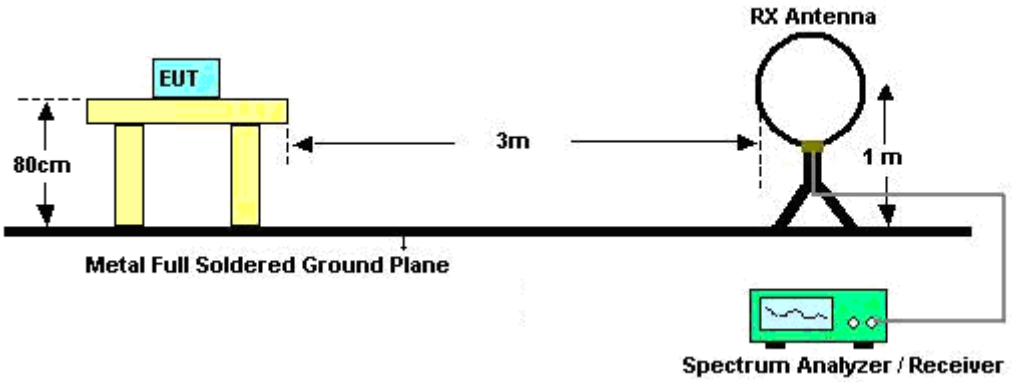
   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - The setting follows the H) 5) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - The setting follows H) 6) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
   - For 11a and HT20 mode, the VBW are set to 10Hz, and for HT40, the VBW is set to 3kHz.
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

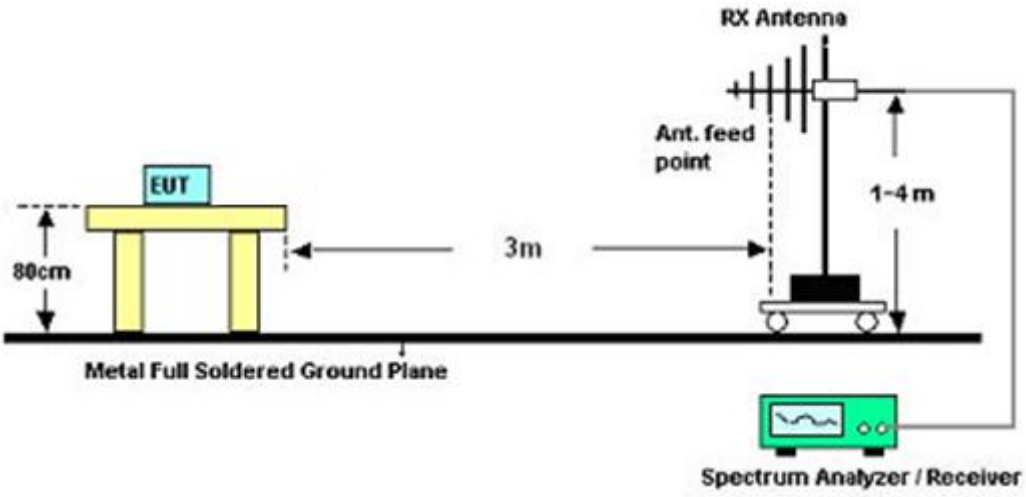
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.1.4 Test Setup

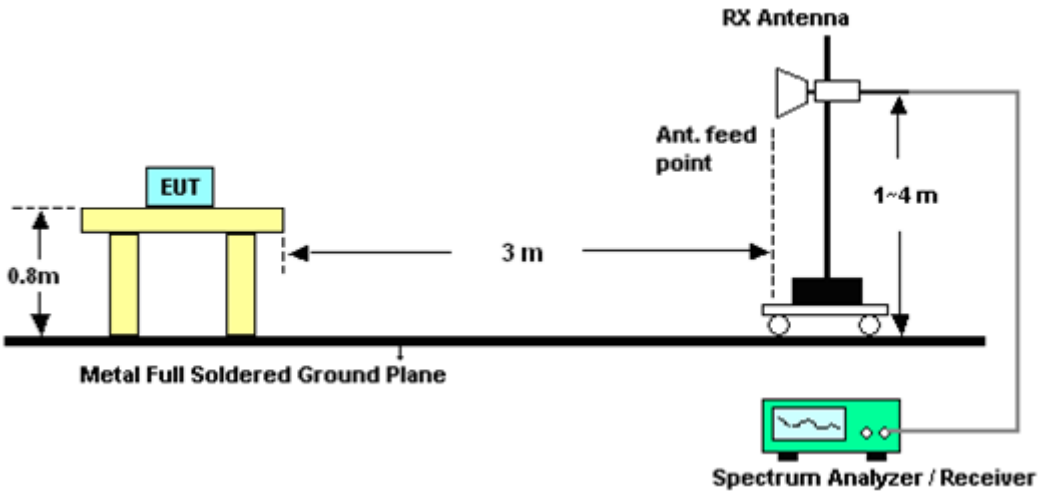
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.1.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.1.6 Test Result of Radiated Band Edges

MIMO <Ant. 1+2>

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	36	**Relative Humidity :**	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBµV/m)**	**Over Limit (dB)**	**Limit Line (dBµV/m)**	**Read Level (dBµV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5132.15	53.8	-20.2	74	45.74	34.41	8.6	34.95	106	57	Peak
5148.05	42.51	-11.49	54	34.38	34.42	8.65	34.94	106	57	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBµV/m)**	**Over Limit (dB)**	**Limit Line (dBµV/m)**	**Read Level (dBµV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5133.95	54.59	-19.41	74	46.75	34.19	8.6	34.95	100	333	Peak
5148.05	44.11	-9.89	54	36.22	34.18	8.65	34.94	100	333	Average

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	48	**Relative Humidity :**	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBµV/m)**	**Over Limit (dB)**	**Limit Line (dBµV/m)**	**Read Level (dBµV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5037.35	52.69	-21.31	74	44.97	34.33	8.38	34.99	104	339	Peak
5148.2	41.19	-12.81	54	33.06	34.42	8.65	34.94	104	339	Average
5357.15	53.07	-20.93	74	44.58	34.54	8.8	34.85	104	339	Peak
5381.9	41.71	-12.29	54	33.19	34.55	8.81	34.84	104	339	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBµV/m)**	**Over Limit (dB)**	**Limit Line (dBµV/m)**	**Read Level (dBµV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5148.2	54.71	-19.29	74	46.82	34.18	8.65	34.94	107	330	Peak
5148.05	43.14	-10.86	54	35.25	34.18	8.65	34.94	107	330	Average
5381.79	55.64	-18.36	74	47.3	34.37	8.81	34.84	107	330	Peak
5382.01	47.6	-6.4	54	39.26	34.37	8.81	34.84	107	330	Average

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5089.4	52.97	-21.03	74	45.07	34.38	8.49	34.97	117	341	Peak
5148.05	41.33	-12.67	54	33.2	34.42	8.65	34.94	117	341	Average
5364.41	52.88	-21.12	74	44.38	34.55	8.8	34.85	117	341	Peak
5382.01	41.47	-12.53	54	32.95	34.55	8.81	34.84	117	341	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5147.45	54.25	-19.75	74	46.36	34.18	8.65	34.94	107	329	Peak
5148.05	43.09	-10.91	54	35.2	34.18	8.65	34.94	107	329	Average
5381.68	55.52	-18.48	74	47.18	34.37	8.81	34.84	107	329	Peak
5382.01	47.47	-6.53	54	39.13	34.37	8.81	34.84	107	329	Average

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5372.55	53.81	-20.19	74	45.31	34.55	8.8	34.85	115	344	Peak
5355.94	41.91	-12.09	54	33.42	34.54	8.8	34.85	115	344	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5355.72	56.1	-17.9	74	47.85	34.3	8.8	34.85	102	301	Peak
5382.01	47.44	-6.56	54	39.1	34.37	8.81	34.84	102	301	Average

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5351.44	54	-20	74	45.51	34.54	8.8	34.85	100	56	Peak
5434	43.81	-10.19	54	35.25	34.57	8.81	34.82	100	56	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	55.21	-18.79	74	46.68	34.53	8.81	34.81	121	315	Peak
5434	46.35	-7.65	54	37.89	34.47	8.81	34.82	121	315	Average

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.16	53.88	-20.12	74	45.01	34.69	9.07	34.89	116	65	Peak
5725	42.5	-11.5	54	33.63	34.69	9.07	34.89	116	65	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.96	56.82	-17.18	74	47.95	34.69	9.07	34.89	109	329	Peak
5725	43.73	-10.27	54	34.86	34.69	9.07	34.89	109	329	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	36	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5121.95	61.52	-12.48	74	53.48	34.39	8.6	34.95	103	207	Peak
5120.3	48.63	-5.37	54	40.59	34.39	8.6	34.95	103	207	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5090.6	61.09	-12.91	74	53.35	34.22	8.49	34.97	110	360	Peak
5148.5	48.62	-5.38	54	40.73	34.18	8.65	34.94	110	360	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5132	62.51	-11.49	74	54.45	34.41	8.6	34.95	101	208	Peak
5129.45	48.56	-5.44	54	40.5	34.41	8.6	34.95	101	208	Average
5431.51	61.09	-12.91	74	52.53	34.57	8.81	34.82	101	208	Peak
5356.27	48.72	-5.28	54	40.23	34.54	8.8	34.85	101	208	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5147.6	61.8	-12.2	74	53.91	34.18	8.65	34.94	103	300	Peak
5148.05	48.73	-5.27	54	40.84	34.18	8.65	34.94	103	300	Average
5360.23	61.43	-12.57	74	53.18	34.3	8.8	34.85	103	300	Peak
5381.9	49.24	-4.76	54	40.9	34.37	8.81	34.84	103	300	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5124.2	61.7	-12.3	74	53.64	34.41	8.6	34.95	102	341	Peak
5148.65	48.5	-5.5	54	40.37	34.42	8.65	34.94	102	341	Average
5392.24	61.98	-12.02	74	53.46	34.55	8.81	34.84	102	341	Peak
5358.03	48.76	-5.24	54	40.27	34.54	8.8	34.85	102	341	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5116.7	60.88	-13.12	74	53.03	34.21	8.6	34.96	114	299	Peak
5147.75	48.6	-5.4	54	40.71	34.18	8.65	34.94	114	299	Average
5409.18	61.62	-12.38	74	53.24	34.4	8.81	34.83	114	299	Peak
5381.79	49.5	-4.5	54	41.16	34.37	8.81	34.84	114	299	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5451.86	61.87	-12.13	74	53.29	34.58	8.81	34.81	100	55	Peak
5350.11	48.92	-5.08	54	40.43	34.54	8.8	34.85	100	55	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5433.82	61.99	-12.01	74	53.53	34.47	8.81	34.82	102	306	Peak
5382.01	49.75	-4.25	54	41.41	34.37	8.81	34.84	102	306	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5398.64	61.57	-12.43	74	53.04	34.56	8.81	34.84	108	58	Peak
5433.68	48.69	-5.31	54	40.13	34.57	8.81	34.82	108	58	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5386.64	61.71	-12.29	74	53.37	34.37	8.81	34.84	110	308	Peak
5433.84	50.9	-3.1	54	42.44	34.47	8.81	34.82	110	308	Average

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5737	62.66	-11.34	74	53.79	34.7	9.07	34.9	100	238	Peak
5725	49.77	-4.23	54	40.9	34.69	9.07	34.89	100	238	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.08	64.31	-9.69	74	55.44	34.69	9.07	34.89	100	338	Peak
5725	51.04	-2.96	54	42.17	34.69	9.07	34.89	100	338	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	38	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5022.5	56.34	-17.66	74	48.62	34.33	8.38	34.99	140	241	Peak
5149.7	46.97	-7.03	54	38.84	34.42	8.65	34.94	140	241	Average
5403.9	56.16	-17.84	74	47.62	34.56	8.81	34.83	140	241	Peak
5362.1	45.38	-8.62	54	36.88	34.55	8.8	34.85	140	241	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5149.25	63.26	-10.74	74	55.37	34.18	8.65	34.94	110	354	Peak
5149.85	52.99	-1.01	54	45.1	34.18	8.65	34.94	110	354	Average
5451.09	55.92	-18.08	74	47.42	34.5	8.81	34.81	110	354	Peak
5433.82	45.9	-8.1	54	37.44	34.47	8.81	34.82	110	354	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	46	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5084.75	61.53	-12.47	74	53.64	34.37	8.49	34.97	101	208	Peak
5141	49.17	-4.83	54	41.05	34.42	8.65	34.95	101	208	Average
5411.49	61.44	-12.56	74	52.9	34.56	8.81	34.83	101	208	Peak
5371.78	49.4	-4.6	54	40.9	34.55	8.8	34.85	101	208	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5111.6	60.8	-13.2	74	53	34.21	8.55	34.96	116	300	Peak
5147.9	49.29	-4.71	54	41.4	34.18	8.65	34.94	116	300	Average
5380.58	61.15	-12.85	74	52.81	34.37	8.81	34.84	116	300	Peak
5434.15	49.69	-4.31	54	41.23	34.47	8.81	34.82	116	300	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	54	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5144.15	61	-13	74	52.87	34.42	8.65	34.94	100	207	Peak
5121.95	49.09	-4.91	54	41.05	34.39	8.6	34.95	100	207	Average
5362.32	61.47	-12.53	74	52.97	34.55	8.8	34.85	100	207	Peak
5370.35	49.35	-4.65	54	40.85	34.55	8.8	34.85	100	207	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5116.1	61.2	-12.8	74	53.35	34.21	8.6	34.96	102	300	Peak
5148.2	48.94	-5.06	54	41.05	34.18	8.65	34.94	102	300	Average
5382.01	61.49	-12.51	74	53.15	34.37	8.81	34.84	102	300	Peak
5382.12	50.59	-3.41	54	42.25	34.37	8.81	34.84	102	300	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	62	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5053.4	55.54	-18.46	74	47.74	34.34	8.44	34.98	101	349	Peak
5146.4	44.9	-9.1	54	36.77	34.42	8.65	34.94	101	349	Average
5350.33	57.71	-16.29	74	49.22	34.54	8.8	34.85	101	349	Peak
5350.44	46.66	-7.34	54	38.17	34.54	8.8	34.85	101	349	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5018.15	56.15	-17.85	74	48.52	34.29	8.33	34.99	102	299	Peak
5148.05	44.98	-9.02	54	37.09	34.18	8.65	34.94	102	299	Average
5350.66	62.88	-11.12	74	54.63	34.3	8.8	34.85	102	299	Peak
5350	52.52	-1.48	54	44.27	34.3	8.8	34.85	102	299	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	102	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5463.6	62.75	-11.25	74	54.16	34.59	8.81	34.81	109	54	Peak
5469.68	50.4	-3.6	54	41.81	34.59	8.81	34.81	109	54	Average
5730.6	61.81	-12.19	74	52.95	34.69	9.07	34.9	109	54	Peak
5735.56	49.41	-4.59	54	40.54	34.7	9.07	34.9	109	54	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5468.4	64.74	-9.26	74	56.21	34.53	8.81	34.81	100	330	Peak
5469.84	53.07	-0.93	54	44.54	34.53	8.81	34.81	100	330	Average
5736.2	62.05	-11.95	74	53.18	34.7	9.07	34.9	100	330	Peak
5760.68	49.53	-4.47	54	40.63	34.71	9.1	34.91	100	330	Average

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	134	Relative Humidity :	51~53%
Test Engineer :	David Ke		

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5354.16	61.51	-12.49	74	53.02	34.54	8.8	34.85	100	237	Peak
5451.44	49.13	-4.87	54	40.55	34.58	8.81	34.81	100	237	Average
5729.56	62.7	-11.3	74	53.83	34.69	9.07	34.89	100	237	Peak
5745.8	49.66	-4.34	54	40.76	34.7	9.1	34.9	100	237	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5393.04	62.01	-11.99	74	53.67	34.37	8.81	34.84	108	323	Peak
5433.84	49.14	-4.86	54	40.68	34.47	8.81	34.82	108	323	Average
5743.88	62.22	-11.78	74	53.32	34.7	9.1	34.9	108	323	Peak
5731.96	49.54	-4.46	54	40.68	34.69	9.07	34.9	108	323	Average

3.1.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

MIMO <Ant. 1+2>

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	36	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5182 MHz is fundamental signal which can be ignored. 2. 10362 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5182	92.58	-	-	84.35	34.45	8.71	34.93	106	57	Average
5182	104.36	-	-	96.13	34.45	8.71	34.93	106	57	Peak
10362	47.79	-26.21	74	55.55	37.69	12	57.45	100	0	Peak
15540	48.82	-25.18	74	49.93	40.33	17.13	58.57	100	0	Peak

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	36	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5182 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5182	97.43	-	-	89.5	34.15	8.71	34.93	100	333	Average
5182	110.84	-	-	102.91	34.15	8.71	34.93	100	333	Peak
10359	44.92	-29.08	74	53.22	37.15	12	57.45	100	0	Peak
15540	48.34	-25.66	74	50.28	39.5	17.13	58.57	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5218 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5218	90.71	-	-	82.39	34.47	8.77	34.92	105	340	Average
5218	103.94	-	-	95.62	34.47	8.77	34.92	105	340	Peak
10440	43.55	-30.45	74	51.19	37.75	12.04	57.43	100	0	Peak
15660	48.29	-25.71	74	48.91	40.8	17.06	58.48	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5222 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5222	98.89	-	-	90.9	34.13	8.77	34.91	108	326	Average
5222	111.06	-	-	103.07	34.13	8.77	34.91	108	326	Peak
10440	42.59	-31.41	74	50.85	37.13	12.04	57.43	100	0	Peak
15660	47.43	-26.57	74	49.35	39.5	17.06	58.48	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5240	91.03	-	-	82.68	34.49	8.77	34.91	104	339	Average
5240	103.92	-	-	95.57	34.49	8.77	34.91	104	339	Peak
10479	44.04	-29.96	74	51.59	37.79	12.07	57.41	100	0	Peak
15720	49.47	-24.53	74	49.79	41.07	17.03	58.42	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5238 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5238	98.69	-	-	90.72	34.11	8.77	34.91	107	330	Average
5238	110.82	-	-	102.85	34.11	8.77	34.91	107	330	Peak
10479	43.47	-30.53	74	51.7	37.11	12.07	57.41	100	0	Peak
15720	47.86	-26.14	74	49.75	39.5	17.03	58.42	100	0	Peak

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	52	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5258 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
66.72	21.05	-18.95	40	46.86	5.16	0.97	31.94	-	-	Peak
149.88	33.32	-10.18	43.5	53.72	9.96	1.44	31.8	-	-	Peak
189.3	37.19	-6.31	43.5	58.84	8.51	1.6	31.76	100	19	Peak
300.7	28.92	-17.08	46	45.55	13.02	2	31.65	-	-	Peak
409.9	24.19	-21.81	46	36.94	16.34	2.35	31.44	-	-	Peak
813.8	26.45	-19.55	46	33.81	20.26	3.29	30.91	-	-	Peak
5258	90.8	-	-	82.42	34.5	8.77	34.89	117	341	Average
5258	103.87	-	-	95.49	34.5	8.77	34.89	117	341	Peak
7012	45.67	-28.33	74	57.7	35.69	10.21	57.93	100	0	Peak
10521	44.59	-29.41	74	52.08	37.81	12.1	57.4	100	0	Peak
15780	48.84	-25.16	74	49.04	41.19	16.99	58.38	100	0	Peak

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	52	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5262 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
66.72	32.88	-7.12	40	58.58	5.27	0.97	31.94	-	-	Peak
150.96	31.51	-11.99	43.5	50.63	11.24	1.44	31.8	-	-	Peak
187.68	36.9	-6.6	43.5	58.67	8.41	1.59	31.77	100	93	Peak
300.7	27.52	-18.48	46	43.94	13.23	2	31.65	-	-	Peak
743.8	23.19	-22.81	46	31.08	19.87	3.14	30.9	-	-	Peak
836.9	24.9	-21.1	46	32.22	20.17	3.34	30.83	-	-	Peak
5262	99.02	-	-	91	34.13	8.78	34.89	107	329	Average
5262	111.64	-	-	103.62	34.13	8.78	34.89	107	329	Peak
7012	50.39	-3.61	54	62.51	35.6	10.21	57.93	100	309	Average
7012	51.75	-22.25	74	63.87	35.6	10.21	57.93	100	309	Peak
10521	43.61	-30.39	74	51.8	37.11	12.1	57.4	100	0	Peak
15780	47.77	-26.23	74	49.62	39.54	16.99	58.38	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5298 MHz is fundamental signal which can be ignored. 2. 7066 MHz and 10599 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5298	90.85	-	-	82.42	34.52	8.78	34.87	103	342	Average
5298	103.76	-	-	95.33	34.52	8.78	34.87	103	342	Peak
7066	44.44	-29.56	74	56.48	35.67	10.31	58.02	100	0	Peak
10599	43.41	-30.59	74	50.85	37.84	12.14	57.42	100	0	Peak
15900	47.75	-26.25	74	48.02	41.09	16.92	58.28	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5298 MHz is fundamental signal which can be ignored. 2. 7066 MHz and 10599 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5298	97.45	-	-	89.34	34.2	8.78	34.87	130	330	Average
5298	110	-	-	101.89	34.2	8.78	34.87	130	330	Peak
7066	48.21	-5.79	54	60.32	35.6	10.31	58.02	100	338	Average
7066	50.45	-23.55	74	62.56	35.6	10.31	58.02	100	338	Peak
10599	42.81	-31.19	74	50.91	37.18	12.14	57.42	100	0	Peak
15900	47.6	-26.4	74	49.12	39.84	16.92	58.28	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5318 MHz is fundamental signal which can be ignored. 2. 7092 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5318	90.67	-	-	82.22	34.53	8.79	34.87	115	344	Average
5318	103.4	-	-	94.95	34.53	8.79	34.87	115	344	Peak
7092	44.94	-29.06	74	56.98	35.67	10.35	58.06	100	0	Peak
10641	44.08	-29.92	74	51.5	37.85	12.16	57.43	100	0	Peak
15960	48.34	-25.66	74	48.65	41.03	16.89	58.23	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5318 MHz is fundamental signal which can be ignored. 2. 7092 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5318	98.95	-	-	90.8	34.23	8.79	34.87	102	301	Average
5318	111.07	-	-	102.92	34.23	8.79	34.87	102	301	Peak
7092	49.3	-24.7	74	61.41	35.6	10.35	58.06	100	0	Peak
10641	43.58	-30.42	74	51.64	37.21	12.16	57.43	100	0	Peak
15960	47.73	-26.27	74	49.06	40.01	16.89	58.23	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5502 MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5502	93.32	-	-	84.72	34.6	8.81	34.81	100	56	Average
5502	104.98	-	-	96.38	34.6	8.81	34.81	100	56	Peak
11001	44.59	-29.41	74	51.76	38	12.33	57.5	100	0	Peak
16500	48.7	-25.3	74	47.18	41.7	17.12	57.3	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5502 MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5502	99.19	-	-	90.59	34.6	8.81	34.81	121	315	Average
5502	111.54	-	-	102.94	34.6	8.81	34.81	121	315	Peak
11001	42.77	-31.23	74	50.54	37.4	12.33	57.5	100	0	Peak
16500	47.31	-26.69	74	46.99	40.5	17.12	57.3	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	116	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5578 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5578	92.89	-	-	84.2	34.63	8.9	34.84	109	60	Average
5578	104.95	-	-	96.26	34.63	8.9	34.84	109	60	Peak
11160	43.59	-30.41	74	50.24	38.27	12.51	57.43	100	0	Peak
16740	48.5	-25.5	74	46.76	42.3	16.74	57.3	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	116	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5576 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5576	98.46	-	-	89.76	34.63	8.9	34.83	108	315	Average
5576	110.71	-	-	102.01	34.63	8.9	34.83	108	315	Peak
11160	43.13	-30.87	74	50.58	37.47	12.51	57.43	100	0	Peak
16740	47.28	-26.72	74	46.54	41.3	16.74	57.3	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5698 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5698	91.59	-	-	82.74	34.68	9.05	34.88	116	65	Average
5698	103.88	-	-	95.03	34.68	9.05	34.88	116	65	Peak
11400	45	-29	74	51.02	38.52	12.8	57.34	100	0	Peak
17100	49.97	-24.03	74	48.53	42.64	16.36	57.56	100	0	Peak

Test Mode :	802.11a	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5698 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5698	97.92	-	-	89.07	34.68	9.05	34.88	109	329	Average
5698	108.05	-	-	99.2	34.68	9.05	34.88	109	329	Peak
11400	44.02	-29.98	74	50.88	37.68	12.8	57.34	100	0	Peak
17100	46.9	-27.1	74	47.06	41.04	16.36	57.56	100	0	Peak

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	144	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5718 MHz is fundamental signal which can be ignored. 2. 17160 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5718	90.06	-	-	81.19	34.69	9.07	34.89	105	339	Average
5718	103.01	-	-	94.14	34.69	9.07	34.89	105	339	Peak
11439	44.75	-29.25	74	50.67	38.55	12.86	57.33	100	0	Peak
17160	48.14	-25.86	74	46.69	42.8	16.38	57.73	100	0	Peak

Test Mode :	802.11a	**Temperature :**	21~23°C
Test Channel :	144	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5718 MHz is fundamental signal which can be ignored. 2. 17160 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5718	94.05	-	-	85.18	34.69	9.07	34.89	118	324	Average
5718	106.24	-	-	97.37	34.69	9.07	34.89	118	324	Peak
11439	44.11	-29.89	74	50.86	37.72	12.86	57.33	100	0	Peak
17160	46.55	-27.45	74	46.97	40.93	16.38	57.73	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	36	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5182 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5182	94.15	-	-	85.92	34.45	8.71	34.93	103	207	Average
5182	104.12	-	-	95.89	34.45	8.71	34.93	103	207	Peak
10359	45.5	-28.5	74	53.26	37.69	12	57.45	100	0	Peak
15540	48.56	-25.44	74	49.67	40.33	17.13	58.57	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	36	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5182 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5182	99.67	-	-	91.74	34.15	8.71	34.93	110	360	Average
5182	109.7	-	-	101.77	34.15	8.71	34.93	110	360	Peak
10359	44.27	-29.73	74	52.57	37.15	12	57.45	100	0	Peak
15540	47.48	-26.52	74	49.42	39.5	17.13	58.57	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5222 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5222	95.45	-	-	87.12	34.47	8.77	34.91	102	206	Average
5222	105.36	-	-	97.03	34.47	8.77	34.91	102	206	Peak
10440	46.47	-27.53	74	54.11	37.75	12.04	57.43	100	0	Peak
15660	49.02	-24.98	74	49.64	40.8	17.06	58.48	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5222 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5222	102.28	-	-	94.29	34.13	8.77	34.91	103	270	Average
5222	112.25	-	-	104.26	34.13	8.77	34.91	103	270	Peak
10440	43.81	-30.19	74	52.07	37.13	12.04	57.43	100	0	Peak
15660	46.76	-27.24	74	48.68	39.5	17.06	58.48	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5238 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5238	94.91	-	-	86.56	34.49	8.77	34.91	101	208	Average
5238	104.82	-	-	96.47	34.49	8.77	34.91	101	208	Peak
10479	45.34	-28.66	74	52.89	37.79	12.07	57.41	100	0	Peak
15720	49.98	-24.02	74	50.3	41.07	17.03	58.42	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5242 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5242	102.38	-	-	94.42	34.1	8.77	34.91	103	300	Average
5242	112.14	-	-	104.18	34.1	8.77	34.91	103	300	Peak
10479	44.94	-29.06	74	53.17	37.11	12.07	57.41	100	0	Peak
15720	47.88	-26.12	74	49.77	39.5	17.03	58.42	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5258 MHz is fundamental signal which can be ignored. 2. 7012 MHz and 10521 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5258	95.15	-	-	86.77	34.5	8.77	34.89	102	341	Average
5258	104.64	-	-	96.26	34.5	8.77	34.89	102	341	Peak
7012	46.66	-27.34	74	58.69	35.69	10.21	57.93	100	0	Peak
10521	47.47	-26.53	74	54.96	37.81	12.1	57.4	100	0	Peak
15780	49.52	-24.48	74	49.72	41.19	16.99	58.38	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5258 MHz is fundamental signal which can be ignored. 2. 7012 MHz and 10521 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5258	101.75	-	-	93.77	34.1	8.77	34.89	114	299	Average
5258	111.35	-	-	103.37	34.1	8.77	34.89	114	299	Peak
7012	50.92	-3.08	54	63.04	35.6	10.21	57.93	100	311	Average
7012	52.09	-21.91	74	64.21	35.6	10.21	57.93	100	311	Peak
10521	43.91	-30.09	74	52.1	37.11	12.1	57.4	100	0	Peak
15780	47.7	-26.3	74	49.55	39.54	16.99	58.38	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5298 MHz is fundamental signal which can be ignored. 2. 7066 MHz and 10599 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5298	93.49	-	-	85.06	34.52	8.78	34.87	100	206	Average
5298	103.73	-	-	95.3	34.52	8.78	34.87	100	206	Peak
7066	46.44	-27.56	74	58.48	35.67	10.31	58.02	100	0	Peak
10599	47.23	-26.77	74	54.67	37.84	12.14	57.42	100	0	Peak
15900	48.57	-25.43	74	48.84	41.09	16.92	58.28	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5298 MHz is fundamental signal which can be ignored. 2. 7066 MHz and 10599 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5298	100.46	-	-	92.35	34.2	8.78	34.87	112	300	Average
5298	110.94	-	-	102.83	34.2	8.78	34.87	112	300	Peak
7066	49.87	-4.13	54	61.98	35.6	10.31	58.02	100	337	Average
7066	52.11	-21.89	74	64.22	35.6	10.31	58.02	100	337	Peak
10599	43.15	-30.85	74	51.25	37.18	12.14	57.42	100	0	Peak
15900	47.08	-26.92	74	48.6	39.84	16.92	58.28	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5318 MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5318	94.09	-	-	85.64	34.53	8.79	34.87	100	55	Average
5318	103.63	-	-	95.18	34.53	8.79	34.87	100	55	Peak
10641	45.27	-28.73	74	52.69	37.85	12.16	57.43	100	0	Peak
15960	47.82	-26.18	74	48.13	41.03	16.89	58.23	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5318 MHz is fundamental signal which can be ignored. 2. 7092 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5318	101.11	-	-	92.96	34.23	8.79	34.87	102	306	Average
5318	111.23	-	-	103.08	34.23	8.79	34.87	102	306	Peak
7092	49.66	-24.34	74	61.77	35.6	10.35	58.06	100	0	Peak
10641	42.64	-31.36	74	50.7	37.21	12.16	57.43	100	0	Peak
15960	46.94	-27.06	74	48.27	40.01	16.89	58.23	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5498 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5498	95.37	-	-	86.76	34.6	8.81	34.8	108	58	Average
5498	104.94	-	-	96.33	34.6	8.81	34.8	108	58	Peak
11001	46.74	-27.26	74	53.91	38	12.33	57.5	100	0	Peak
16500	48.6	-25.4	74	47.08	41.7	17.12	57.3	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5498 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5498	101.67	-	-	93.06	34.6	8.81	34.8	110	308	Average
5498	111.98	-	-	103.37	34.6	8.81	34.8	110	308	Peak
11001	43.5	-30.5	74	51.27	37.4	12.33	57.5	100	0	Peak
16500	48.1	-25.9	74	47.78	40.5	17.12	57.3	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	116	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5582 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5582	93.43	-	-	84.73	34.64	8.9	34.84	118	22	Average
5582	103.29	-	-	94.59	34.64	8.9	34.84	118	22	Peak
11160	45.08	-28.92	74	51.73	38.27	12.51	57.43	100	0	Peak
16740	47.77	-26.23	74	46.03	42.3	16.74	57.3	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	116	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5578 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5578	100.42	-	-	91.73	34.63	8.9	34.84	100	326	Average
5578	110.21	-	-	101.52	34.63	8.9	34.84	100	326	Peak
11160	43.2	-30.8	74	50.65	37.47	12.51	57.43	100	0	Peak
16740	46.88	-27.12	74	46.14	41.3	16.74	57.3	100	0	Peak

Test Mode :	802.11n HT20	**Temperature :**	21~23°C
Test Channel :	140	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5698 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
150.96	33.18	-10.32	43.5	53.58	9.96	1.44	31.8	-	-	Peak
184.44	37.53	-5.97	43.5	59.33	8.39	1.59	31.78	100	67	Peak
293.25	32.86	-13.14	46	49.75	12.79	1.98	31.66	-	-	Peak
302.1	28.71	-17.29	46	45.26	13.09	2.01	31.65	-	-	Peak
410.6	23.46	-22.54	46	36.21	16.34	2.35	31.44	-	-	Peak
747.3	25.8	-20.2	46	33.62	19.94	3.14	30.9	-	-	Peak
5698	94.66	-	-	85.81	34.68	9.05	34.88	100	238	Average
5698	104.96	-	-	96.11	34.68	9.05	34.88	100	238	Peak
11400	45.24	-28.76	74	51.26	38.52	12.8	57.34	100	0	Peak
17100	48.28	-25.72	74	46.84	42.64	16.36	57.56	100	0	Peak

Test Mode :	802.11n HT20	**Temperature :**	21~23°C
Test Channel :	140	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5698 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
66.72	33.9	-6.1	40	59.6	5.27	0.97	31.94	-	-	Peak
188.49	37.41	-6.09	43.5	59.16	8.41	1.6	31.76	100	159	Peak
289.2	30.72	-15.28	46	47.58	12.84	1.97	31.67	-	-	Peak
301.4	26.13	-19.87	46	42.47	13.31	2	31.65	-	-	Peak
529.6	21.62	-24.38	46	32.51	17.68	2.67	31.24	-	-	Peak
831.3	25.95	-20.05	46	33.19	20.28	3.33	30.85	-	-	Peak
5698	97.49	-	-	88.64	34.68	9.05	34.88	100	338	Average
5698	107.22	-	-	98.37	34.68	9.05	34.88	100	338	Peak
11400	44.16	-29.84	74	51.02	37.68	12.8	57.34	100	0	Peak
17100	47.33	-26.67	74	47.49	41.04	16.36	57.56	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	144	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5718 MHz is fundamental signal which can be ignored. 2. 17160 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5718	93.37	-	-	84.5	34.69	9.07	34.89	102	340	Average
5718	103.14	-	-	94.27	34.69	9.07	34.89	102	340	Peak
11439	44.61	-29.39	74	50.53	38.55	12.86	57.33	100	0	Peak
17160	48.38	-25.62	74	46.93	42.8	16.38	57.73	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	21~23°C
Test Channel :	144	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5718 MHz is fundamental signal which can be ignored. 2. 17160 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5718	96.63	-	-	87.76	34.69	9.07	34.89	127	320	Average
5718	106.51	-	-	97.64	34.69	9.07	34.89	127	320	Peak
11439	44.5	-29.5	74	51.25	37.72	12.86	57.33	100	0	Peak
17160	46.02	-27.98	74	46.44	40.93	16.38	57.73	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	21~23°C
Test Channel :	38	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5192 MHz is fundamental signal which can be ignored. 2. 10380 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5192	92.74	-	-	84.45	34.46	8.76	34.93	102	206	Average
5192	102.51	-	-	94.22	34.46	8.76	34.93	102	206	Peak
10380	43.64	-30.36	74	51.37	37.71	12.01	57.45	100	0	Peak
15570	48.59	-25.41	74	49.54	40.47	17.12	58.54	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	21~23°C
Test Channel :	38	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5188 MHz is fundamental signal which can be ignored. 2. 10380 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5188	98.13	-	-	90.2	34.15	8.71	34.93	108	331	Average
5188	107.32	-	-	99.39	34.15	8.71	34.93	108	331	Peak
10380	43.52	-30.48	74	51.81	37.15	12.01	57.45	100	0	Peak
15570	47.74	-26.26	74	49.66	39.5	17.12	58.54	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	46	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5232 MHz is fundamental signal which can be ignored. 2. 10461 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5232	92.71	-	-	84.36	34.49	8.77	34.91	101	208	Average
5232	102.18	-	-	93.83	34.49	8.77	34.91	101	208	Peak
10461	44.02	-29.98	74	51.6	37.77	12.06	57.41	100	0	Peak
15690	49.11	-24.89	74	49.58	40.93	17.05	58.45	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	46	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5232 MHz is fundamental signal which can be ignored. 2. 10461 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5232	99.1	-	-	91.13	34.11	8.77	34.91	116	300	Average
5232	109.47	-	-	101.5	34.11	8.77	34.91	116	300	Peak
10461	43.59	-30.41	74	51.83	37.11	12.06	57.41	100	0	Peak
15690	48.51	-25.49	74	50.41	39.5	17.05	58.45	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	54	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5270 MHz is fundamental signal which can be ignored. 2. 10539 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5270	92.73	-	-	84.33	34.51	8.78	34.89	100	207	Average
5270	101.68	-	-	93.28	34.51	8.78	34.89	100	207	Peak
10539	44.35	-29.65	74	51.85	37.81	12.1	57.41	100	0	Peak
15810	45.39	-28.61	74	45.61	41.16	16.97	58.35	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	54	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5272 MHz is fundamental signal which can be ignored. 2. 7026 MHz and 10539 MHz are not within a restricted band, and satisfy both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5272	100.16	-	-	92.13	34.13	8.78	34.88	102	300	Average
5272	110.46	-	-	102.43	34.13	8.78	34.88	102	300	Peak
7026	50.4	-3.6	54	62.49	35.6	10.24	57.93	100	335	Average
7026	51.93	-22.07	74	64.02	35.6	10.24	57.93	100	335	Peak
10539	43.51	-30.49	74	51.69	37.13	12.1	57.41	100	0	Peak
15810	47.73	-26.27	74	49.48	39.63	16.97	58.35	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	21~23°C
Test Channel :	62	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5312 MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
142.05	32.98	-10.52	43.5	52.69	10.71	1.39	31.81	-	-	Peak
185.79	36.96	-6.54	43.5	58.76	8.39	1.59	31.78	100	53	Peak
227.91	34.04	-11.96	46	54.74	9.27	1.76	31.73	-	-	Peak
414.8	23.92	-22.08	46	36.58	16.4	2.36	31.42	-	-	Peak
750.1	25.84	-20.16	46	33.62	19.96	3.15	30.89	-	-	Peak
790.7	26.05	-19.95	46	33.88	19.88	3.24	30.95	-	-	Peak
5312	88.58	-	-	80.13	34.53	8.79	34.87	100	59	Average
5312	98.49	-	-	90.04	34.53	8.79	34.87	100	59	Peak
10620	43.76	-30.24	74	51.18	37.85	12.15	57.42	100	0	Peak
15930	48.71	-25.29	74	49.01	41.06	16.9	58.26	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	21~23°C
Test Channel :	62	**Relative Humidity :**	51~53%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5308 MHz is fundamental signal which can be ignored. 2. 7080 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
66.45	33.94	-6.06	40	59.64	5.27	0.97	31.94	100	128	Peak
152.04	31.63	-11.87	43.5	50.89	11.09	1.45	31.8	-	-	Peak
188.49	37	-6.5	43.5	58.75	8.41	1.6	31.76	-	-	Peak
318.2	23.99	-22.01	46	39.7	13.92	2.06	31.69	-	-	Peak
748	23.29	-22.71	46	31.01	20.02	3.15	30.89	-	-	Peak
825.7	24.98	-21.02	46	32.24	20.29	3.32	30.87	-	-	Peak
5308	96.21	-	-	88.09	34.2	8.79	34.87	114	298	Average
5308	106.16	-	-	98.04	34.2	8.79	34.87	114	298	Peak
7080	49.32	-4.68	54	61.47	35.6	10.31	58.06	100	360	Average
7080	50.56	-23.44	74	62.71	35.6	10.31	58.06	100	360	Peak
10620	43.94	-30.06	74	52.02	37.19	12.15	57.42	100	0	Peak
15930	46.14	-27.86	74	47.57	39.93	16.9	58.26	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	102	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5512 MHz is fundamental signal which can be ignored. 2. 16530 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5512	89.78	-	-	81.18	34.6	8.81	34.81	109	54	Average
5512	99.95	-	-	91.35	34.6	8.81	34.81	109	54	Peak
11019	43.64	-30.36	74	50.77	38.03	12.33	57.49	100	0	Peak
16530	49.32	-24.68	74	47.75	41.79	17.08	57.3	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	102	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5512 MHz is fundamental signal which can be ignored. 2. 16530 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5512	95.07	-	-	86.47	34.6	8.81	34.81	100	330	Average
5512	105.17	-	-	96.57	34.6	8.81	34.81	100	330	Peak
11019	43.14	-30.86	74	50.89	37.41	12.33	57.49	100	0	Peak
16530	48.15	-25.85	74	47.76	40.61	17.08	57.3	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	110	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5552 MHz is fundamental signal which can be ignored. 2. 16650 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5552	92.65	-	-	83.99	34.62	8.87	34.83	107	63	Average
5552	103.07	-	-	94.41	34.62	8.87	34.83	107	63	Peak
11100	43.73	-30.27	74	50.58	38.16	12.45	57.46	100	0	Peak
16650	47.47	-26.53	74	45.79	42.09	16.89	57.3	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	110	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5546 MHz is fundamental signal which can be ignored. 2. 16650 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5546	98.7	-	-	90.07	34.61	8.84	34.82	100	336	Average
5546	108.86	-	-	100.23	34.61	8.84	34.82	100	336	Peak
11100	43.15	-30.85	74	50.72	37.44	12.45	57.46	100	0	Peak
16650	48.29	-25.71	74	47.69	41.01	16.89	57.3	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	134	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5666 MHz is fundamental signal which can be ignored. 2. 17010 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5666	91.7	-	-	82.92	34.66	8.99	34.87	100	237	Average
5666	102.19	-	-	93.41	34.66	8.99	34.87	100	237	Peak
11340	44.89	-29.11	74	51.05	38.47	12.74	57.37	100	0	Peak
17010	49.63	-24.37	74	48.21	42.44	16.32	57.34	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	134	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5674 MHz is fundamental signal which can be ignored. 2. 17010 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5674	96.18	-	-	87.36	34.67	9.02	34.87	108	323	Average
5674	106.34	-	-	97.52	34.67	9.02	34.87	108	323	Peak
11340	44.38	-29.62	74	51.41	37.6	12.74	57.37	100	0	Peak
17010	47.66	-26.34	74	47.51	41.17	16.32	57.34	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	142	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5714 MHz is fundamental signal which can be ignored. 2. 17130 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5714	90.96	-	-	82.11	34.69	9.05	34.89	100	241	Average
5714	101.43	-	-	92.58	34.69	9.05	34.89	100	241	Peak
11421	45.7	-28.3	74	51.67	38.53	12.83	57.33	100	0	Peak
17130	49.11	-24.89	74	47.67	42.72	16.37	57.65	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	21~23°C
Test Channel :	142	Relative Humidity :	51~53%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5712 MHz is fundamental signal which can be ignored. 2. 17130 MHz is not within a restricted band, and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit.		

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5712	94.48	-	-	85.63	34.69	9.05	34.89	107	353	Average
5712	104.49	-	-	95.64	34.69	9.05	34.89	107	353	Peak
11421	44.99	-29.01	74	51.79	37.7	12.83	57.33	100	0	Peak
17130	46.75	-27.25	74	47.04	40.99	16.37	57.65	100	0	Peak

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	ESU26	100390	20Hz~26.5GHz	Dec. 14, 2012	Aug. 02, 2013~ Aug. 04, 2013	Dec. 13, 2013	Radiation (03CH08-HY)
Bilog Antenna	Schaffner	CBL6111C	2725	30MHz~2GHz	Oct. 06, 2012	Aug. 02, 2013~ Aug. 04, 2013	Oct. 05, 2013	Radiation (03CH08-HY)
Horn Antenna	ESCO	3117	66584	1GHz~18GHz	Aug. 10, 2012	Aug. 02, 2013~ Aug. 04, 2013	Aug. 09, 2013	Radiation (03CH08-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz ~ 40GHz	Sep. 28, 2012	Aug. 02, 2013~ Aug. 04, 2013	Sep. 27, 2013	Radiation (03CH08-HY)
Preamplifier	COM-POWER	PA-103	161075	10Hz~1000MHz Gain:32dB	Feb. 26, 2013	Aug. 02, 2013~ Aug. 04, 2013	Feb. 25, 2014	Radiation (03CH08-HY)
Pre Amplifier	Agilent	8449B	3008A02665	1GHz~26.5GHz	Aug. 28, 2012	Aug. 02, 2013~ Aug. 04, 2013	Aug. 27, 2013	Radiation (03CH08-HY)
Turn Table	HD	Deis HD 2000	420/611	0 ~ 360 degree	N/A	Aug. 02, 2013~ Aug. 04, 2013	N/A	Radiation (03CH08-HY)
Antenna Mast	HD	MA 240	240/666	1 m ~ 4 m	N/A	Aug. 02, 2013~ Aug. 04, 2013	N/A	Radiation (03CH08-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	860004/0001	9 kHz~30 MHz	Jul. 03, 2012	Aug. 02, 2013~ Aug. 04, 2013	Jul. 03, 2014	Radiation (03CH08-HY)

5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.54**

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.72**