FCC RF Test Report

APPLICANT	:	Acer Incorporated
EQUIPMENT	:	Dual band WiFi LGA Module
BRAND NAME	:	Acer
MODEL NAME	:	T77H389
FCC ID	:	HLZ-T77H389
STANDARD	:	FCC Part 15 Subpart E
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jul. 10, 2012 and completely tested on Sep. 11, 2012. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance 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:

Jones Tsai

Jones Tsai / Manager

Testing Laboratory 1190

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
FR271030D	Rev. 01	Initial issue of report	Sep. 18, 2012
FR271030D	Rev. 02	Update report for adding Frequency Stability	Sep. 25, 2012

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	A9.2	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	A9.2	Maximum Conducted Output Power	≤ 17, 24, 30 dBm (depend on band)	Pass	-
3.3	15.407(a)	A9.2	Power Spectral Density	≤ 4, 11, 17 dBm (depend on band)	Pass	-
3.4	15.407(a)(6)	A9.3	Peak Excursion Ratio	≤ 13dB	Pass	-
3.5	15.407(b)	A9.3	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 3.33 dB at 5725.000 MHz for Antenna 1 Under limit 0.11 dB at 5725.000 MHz for Antenna 2
3.6	15.207	Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 18.40 dB at 2.574 MHz
3.7	15.407(g)	A9.5	Frequency Stability	Within Operation Band	Pass	-
3.8	15.407(c)	A9.5	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.9	15.203 & 15.407(a)	A9.2	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Acer Incorporated
8F., No. 88, Sec. 1, Xintai 5th Rd., New Taipei City 22181, Taiwan, R.O.C.

1.2 Manufacturer

1. **AMBIT MICROSYSTEMS (SHANGHAI) LTD.**
   No. 1925, Nanle Road, Songjiang Export Process Zone, Shanghai, China
2. **Hon Fu Jin Precision Industry (Shenzhen) Co., Ltd.**
   Communication Network Solution Business Group; No. 2, 2nd Donghuan Road, 10th Yousong Industrial District, Longhua Town, Baoan District, Shenzhen, Guangdong 518109 China
3. **Hong Fu Jin Precision Electrons (YanTai) Co., Ltd.**
   CNSBG-CPE1; A11 Building, Export Processing Zone, Economic & Technologic Development Area, YanTai, Shandong, 264006, China
4. **Hong Fu Jin Precision Electronics (Chongqing) Co., Ltd.**
   Building D02, No. 1, East Zone 1st Road, Shapingba District, Chongqing, 401332, China
5. **Foxconn CMMSG Industria de Eletronicos Ltd.**
   N800, Marginal Rodovia dos Bandeirantes avenue, Engordadouro district, Jundiai City, Sao Paulo, Brazil, ZIP Code: 13213-008
6. **Fenix Industria de Eletronicos Ltd.**
   N236, Jose de Palma Renno street, Centro district, Santa Rita do Sapucai City , Minas Gerais, Brazil , ZIP Code: 37540-000
7. **Foxconn MOEBG Industria De Eletronicos Ltda.**
   No. 1580a Acai Street, Industrial district, Manaus Amazonas, Brazil, ZIP Code: 69075-020
8. **Nanning Fu Tai Hong Precision Electronic Co., Ltd.**
   HWV Product Division No. 13, Road, Keyuan East; High Technical Industrial, Development Zone, Nanning, Guangzi, 530007, China
9. **Nanning Fu Tai Hong Precision Electronics Co., Ltd.**
   The Forth Building, China-ASEAN Advanced Business Part Phase Three, No. 18, Zongbu Road, High Technical Industrial Development Zone, Nanninb, Guangxi, 530007, China
10. **Nanning Fu Gui Precision Electronics Co., Ltd.**
    China-ASEAN Advanced Business Park Phase Three, No. 18, Zongbu Road, Hgh Technical Industrial Development Zone, Nanning, Guangxi , 530007, China
11. **FUNING Precision Component (Bac Ninh) Co., Ltd.**
    Que Vo industrial park, Van Duong commune, Bac Ninh city, BacNinh province, Vietnam
12. **Fuhong Precision Component (Bac Giang) Limited**
    Dinh Tram Industrial Park, Viet Yen District Bac Giang Province 236100, Vietnam

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Dual band WiFi LGA Module
Brand Name	Acer
Model Name	T77H389
FCC ID	HLZ-T77H389
EUT supports Radios application	WLAN 11abgn / Bluetooth
HW Version	035
SW Version	045
EUT Stage	Identical Prototype

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

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz
Maximum Output Power to Antenna	**<Chain 0>** **<5180 MHz ~ 5240 MHz>** 802.11a : 15.20 dBm / 0.0331 W 802.11n (BW 20MHz) : 14.46 dBm / 0.0279 W **<5260 MHz ~ 5320 MHz>** 802.11a : 15.11 dBm / 0.0324 W 802.11n (BW 20MHz) : 14.46 dBm / 0.0279 W **<5500 MHz ~ 5700 MHz>** 802.11a : 15.28 dBm / 0.0337 W 802.11n (BW 20MHz) : 14.47 dBm / 0.280 W **<Chain 1>** **<5180 MHz ~ 5240 MHz>** 802.11a : 15.14 dBm / 0.0327 W 802.11n (BW 20MHz) : 14.43 dBm / 0.0277 W **<5260 MHz ~ 5320 MHz>** 802.11a : 15.09 dBm / 0.0323 W 802.11n (BW 20MHz) : 14.41 dBm / 0.0276 W **<5500 MHz ~ 5700 MHz>** 802.11a : 15.18 dBm / 0.0330 W 802.11n (BW 20MHz) : 14.45 dBm / 0.0279 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 17.30 MHz 802.11n HT20 : 18.10 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 17.30 MHz 802.11n HT20 : 18.10 MHz **<5500 MHz ~ 5700 MHz>** 802.11a : 17.35 MHz 802.11n HT20 : 18.10 MHz
Antenna Type	**<Antenna 1 >** 5150 MHz ~ 5250 MHz : PIFA Antenna with gain -0.18 dBi 5250 MHz ~ 5350 MHz : PIFA Antenna with gain -0.18 dBi 5470 MHz ~ 5725 MHz : PIFA Antenna with gain 0.04 dBi **<Antenna 2>** 5150 MHz ~ 5250 MHz : Chip Antenna with gain 2.48 dBi 5250 MHz ~ 5350 MHz : Chip Antenna with gain 2.48 dBi 5470 MHz ~ 5725 MHz : Chip Antenna with gain 2.48 dBi
Type of Modulation	**OFDM (BPSK / QPSK / 16QAM / 64QAM)**

1.4 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	03CH05-HY	722060/4086B-1

1.5 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 v01r01
- ANSI C63.4-2003 and ANSI C63.10-2009
- IC RSS-210 Issued 8
- IC RSS-Gen Issue 3

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.

1.6 Ancillary Equipment List

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.	Notebook	DELL	E6500	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	LCD Monitor	Lenovo	6135-AB1	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A

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).

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 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)
5470-5725 MHz Band 3	100	5500	116	5580
	102	5510	132	5660
	104	5520	134	5670
	108	5540	136	5680
	110	5550	140	5700
	112	5560		

2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and antenna configurations as following table and the highest power data rates were chosen for full test in the following tables. Final Output Power equals to Measured Output Power adds the duty factor.

<Chain 0>

5GHz 802.11a mode <5180 MHz ~ 5240 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.20	15.09	15.08	15.10	15.12	15.06	15.06	15.07

5GHz 802.11a mode <5260 MHz ~ 5320 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.11	15.07	15.05	15.07	15.07	15.04	15.08	15.06

5GHz 802.11a mode <5500 MHz ~ 5700 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.28	15.19	15.16	15.15	15.10	15.13	15.18	15.19

5GHz 802.11n HT20 mode <5180 MHz ~ 5240 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.46	14.36	14.30	14.33	14.35	14.34	14.40	14.43

5GHz 802.11n HT20 mode <5260 MHz ~ 5320 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.46	14.38	14.38	14.40	14.42	14.40	14.42	14.45

5GHz 802.11n HT20 mode <5500 MHz ~ 5700 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.47	14.41	14.38	14.37	14.37	14.39	14.40	14.41

<Chain 1>

5GHz 802.11a mode <5180 MHz ~ 5240 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.14	15.12	15.12	15.05	15.06	15.07	15.00	15.03

5GHz 802.11a mode <5260 MHz ~ 5320 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.09	15.02	14.99	15.01	15.01	15.03	15.04	15.07

5GHz 802.11a mode <5500 MHz ~ 5700 MHz>								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	15.18	15.16	15.16	15.16	15.15	15.13	15.04	15.12

5GHz 802.11n HT20 mode <5180 MHz ~ 5240 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.43	14.36	14.37	14.39	14.41	14.40	14.40	14.40

5GHz 802.11n HT20 mode <5260 MHz ~ 5320 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.41	14.36	14.38	14.34	14.39	14.37	14.38	14.39

5GHz 802.11n HT20 mode <5500 MHz ~ 5700 MHz>								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	14.45	14.43	14.43	14.44	14.43	14.44	14.42	14.36

2.3 Test Mode

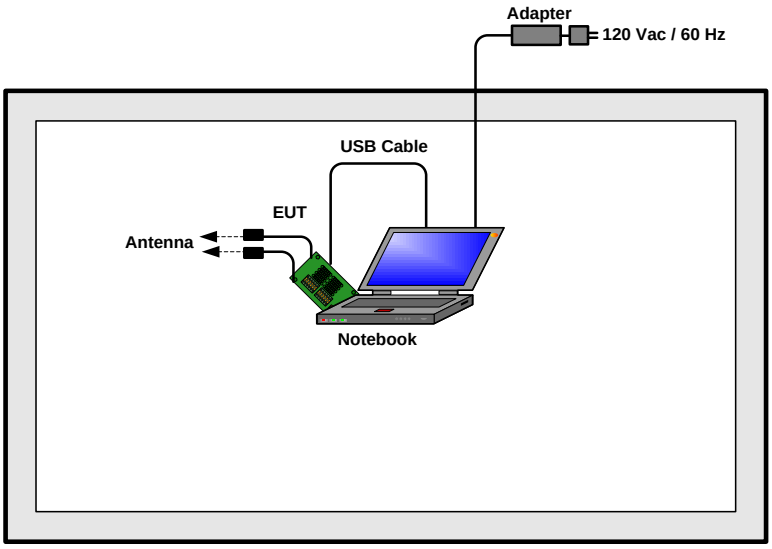
Final results of test modes, data rates and test channels are shown as following table.

Test Cases					
	Test Items		Mode	Data rate	Test Channel
Conducted TCs	26dB and 99% BW Power Spectral Density		802.11a	6 Mbps	L/M/H
			802.11n HT20	6.5 Mbps	L/M/H
	Output Power		802.11a	6 Mbps	L/M/H
			802.11n HT20	6.5 Mbps	L/M/H
	Peak Excursion		802.11a	6 Mbps	L/M/H
			802.11n HT20	6.5 Mbps	L/M/H
	Frequency Stability		802.11a	6 Mbps	L/M/H
			802.11n HT20	6.5 Mbps	L/M/H
Radiated TCs	Radiated Band Edge		802.11a	6 Mbps	L/H
			802.11n HT20	6.5 Mbps	L/H
	Radiated Spurious Emission		802.11a	6 Mbps	L/M/H
			802.11n HT20	6.5 Mbps	L/M/H
AC Conducted Emission	Mode 1 ： Bluetooth Link + WLAN (5G) Link				
Remark: For conducted emission, all the tests were performance with Main Antenna: Chip Antenna and Aux. Antenna: PIFA Antenna					

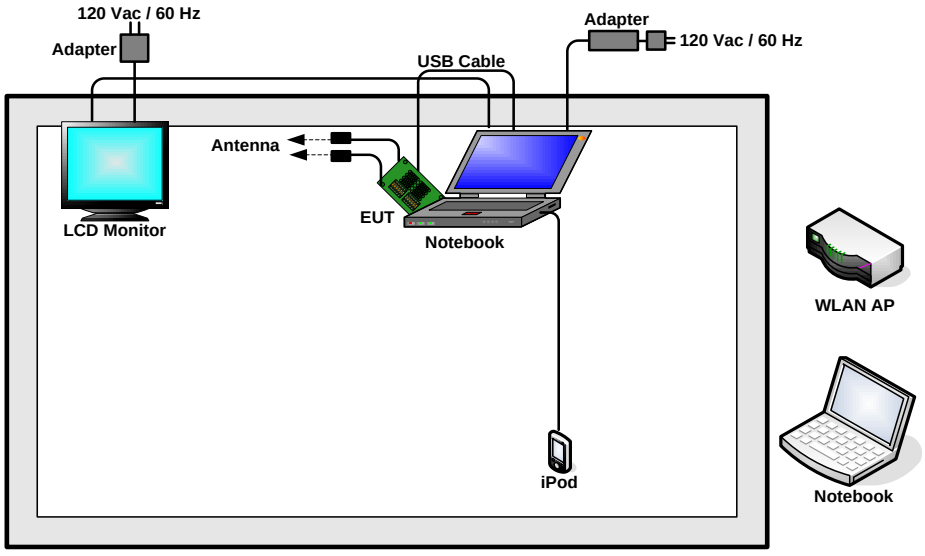
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.5 RF Utility

The programmed RF utility “CMD”, is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

3 Test Result

3.1 26dB & 99% Bandwidth Measurement

3.1.1 Description of Bandwidth Measurement

There is no restriction limits for bandwidth. The maximum conducted output power can be limited by measured emission bandwidth (B). For the band 5.15~5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B. For the band 5.725-5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1 W (30dBm) or 17 dBm + 10log B.

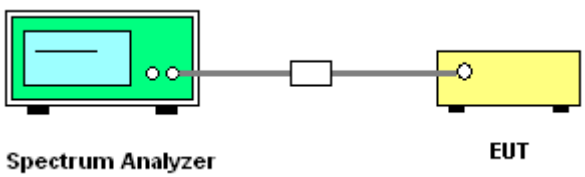
3.1.2 Measuring Instruments

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 v01r01. Section D) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

3.1.4 Test Setup

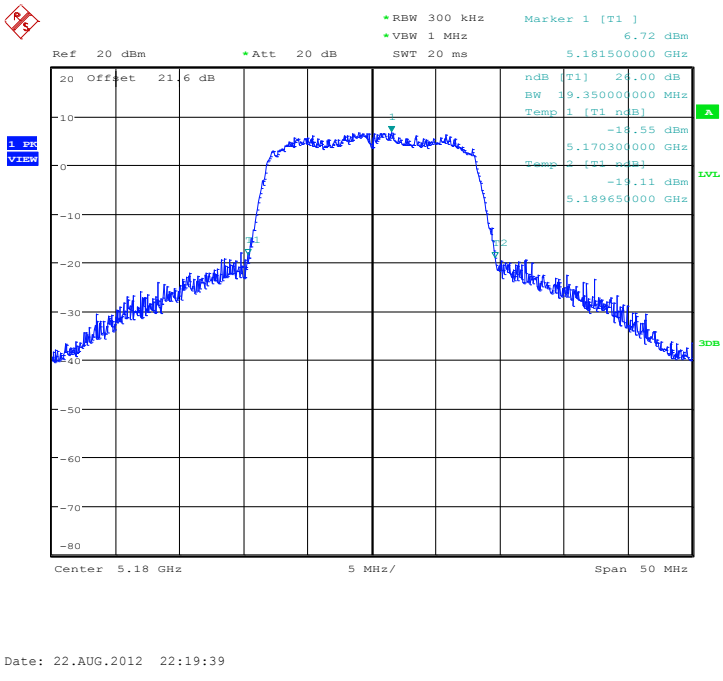


3.1.5 Test Result of 26dB Bandwidth Plots

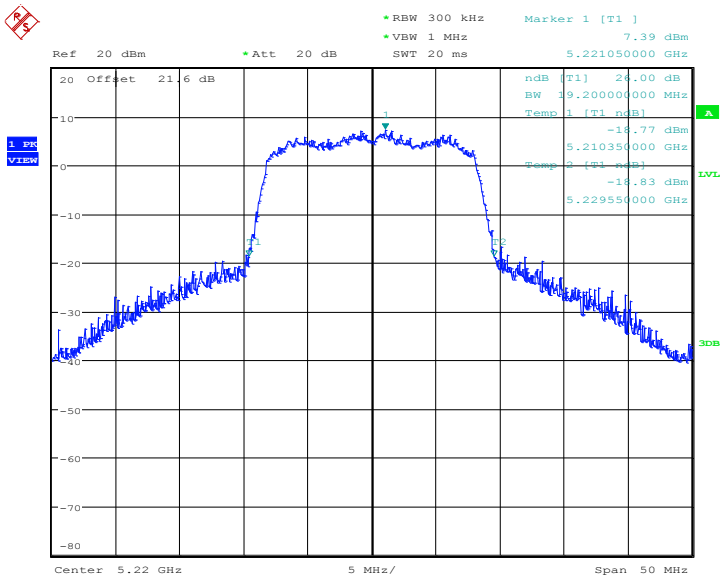
Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Channel	Frequency (MHz)	802.11a 26dB Bandwidth (MHz)	Pass/Fail
36	5180	19.350	N/A
44	5220	19.200	N/A
48	5240	19.450	N/A
52	5260	19.400	N/A
60	5300	19.200	N/A
64	5320	19.300	N/A
100	5500	19.200	N/A
116	5580	19.300	N/A
140	5700	19.200	N/A

26 dB Bandwidth Plot on 802.11a Channel 36



26 dB Bandwidth Plot on 802.11a Channel 44



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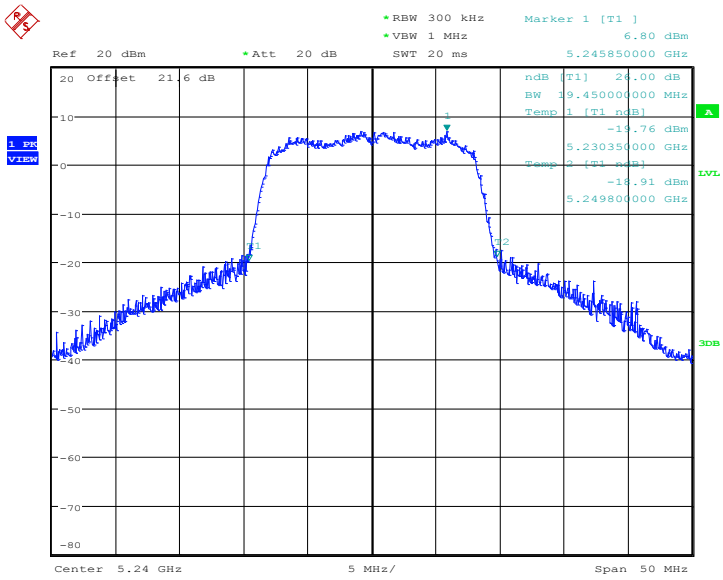

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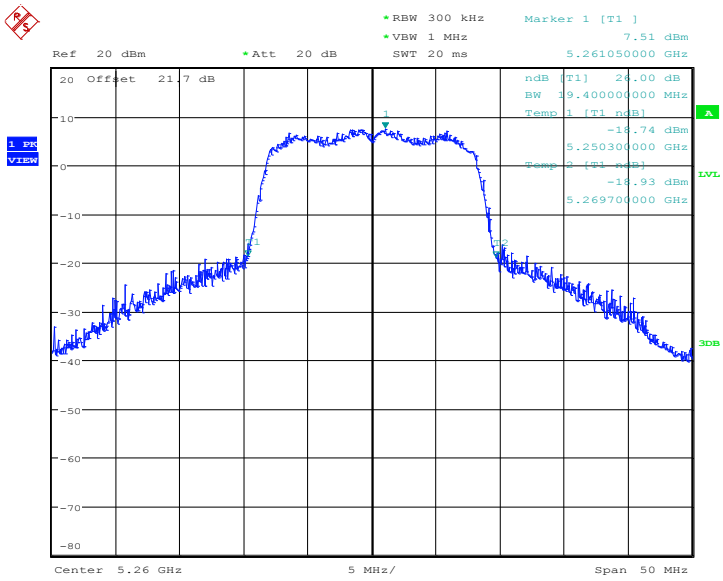

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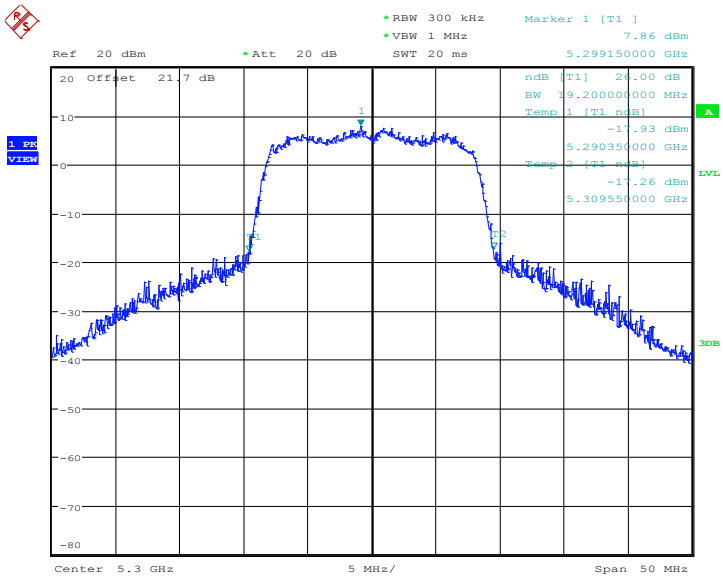

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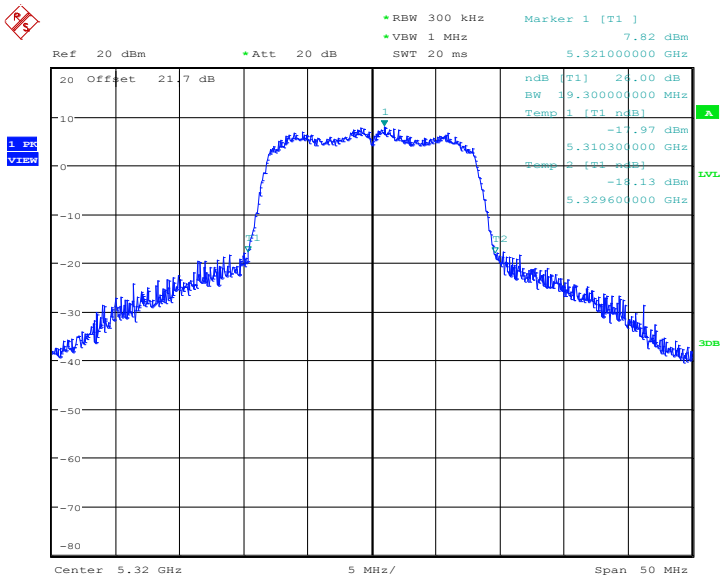
26 dB Bandwidth Plot on 802.11a Channel 64



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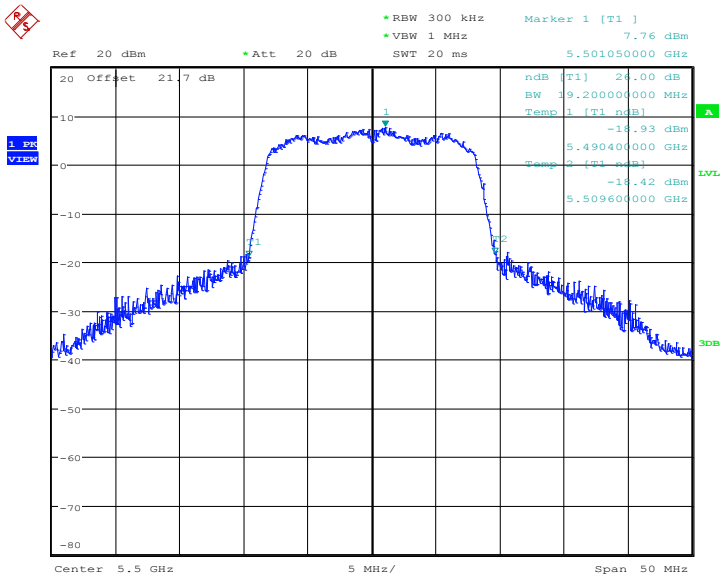
26 dB Bandwidth Plot on 802.11a Channel 100



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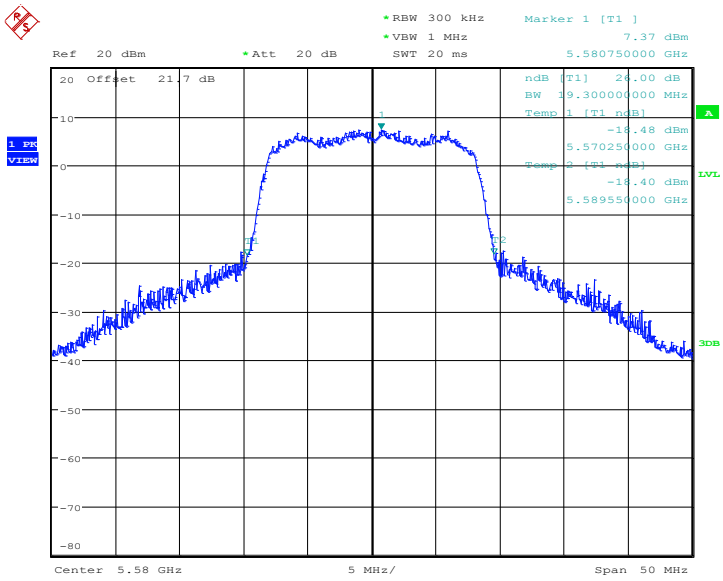

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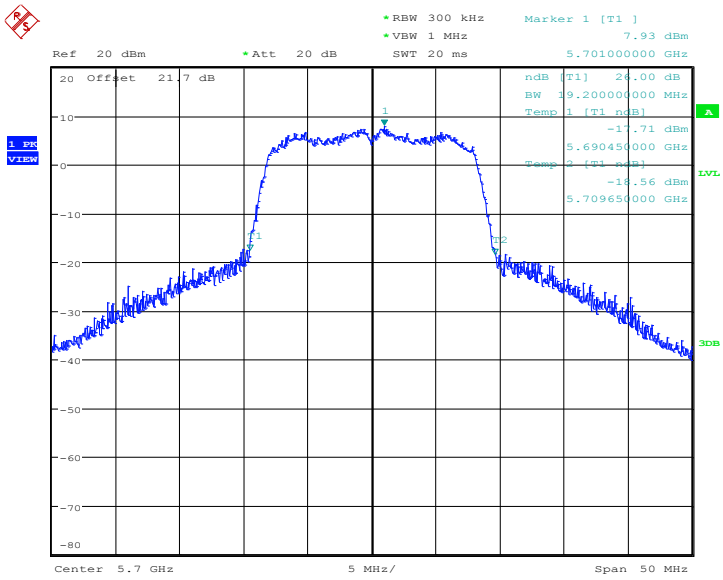

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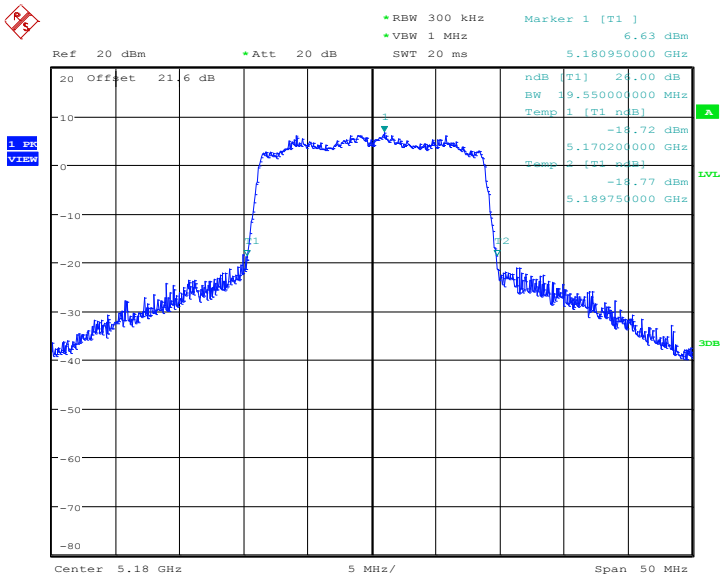
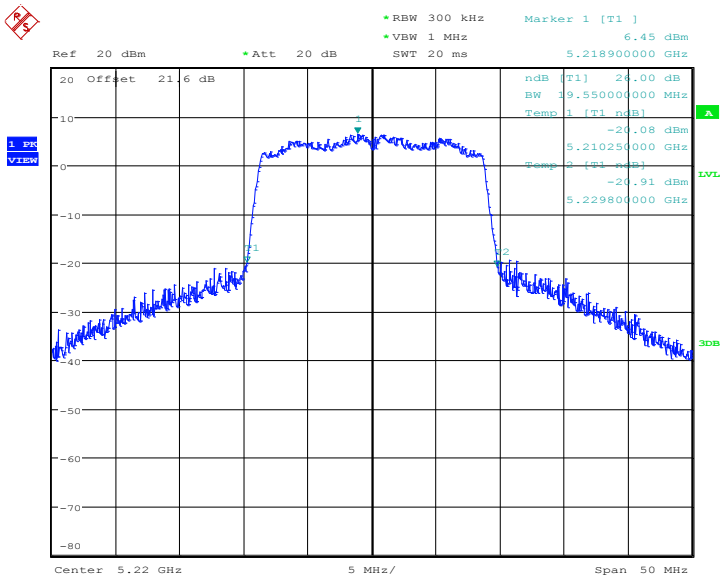
Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Channel	Frequency (MHz)	802.11n HT20 26dB Bandwidth (MHz)	Pass/Fail
36	5180	19.550	N/A
44	5220	19.550	N/A
48	5240	19.450	N/A
52	5260	19.550	N/A
60	5300	19.500	N/A
64	5320	19.650	N/A
100	5500	19.600	N/A
116	5580	19.450	N/A
140	5700	19.550	N/A

26 dB Bandwidth Plot on 802.11n HT20 Channel 36



26 dB Bandwidth Plot on 802.11n HT20 Channel 44



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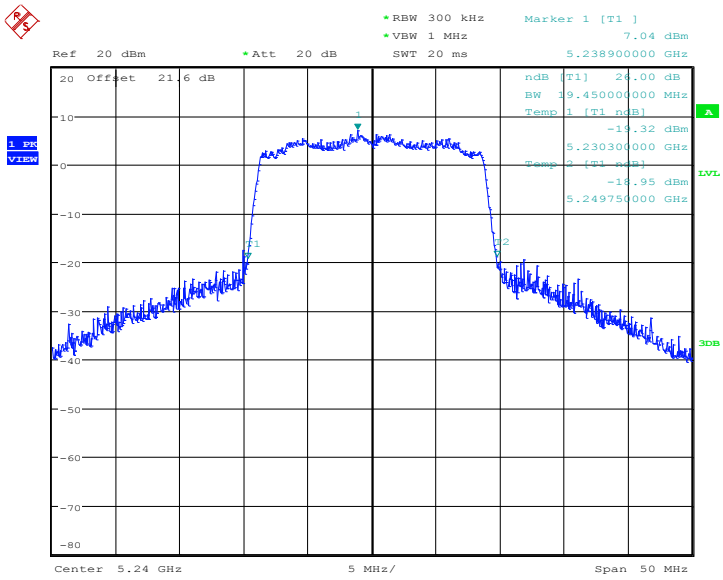
26 dB Bandwidth Plot on 802.11n HT20 Channel 48



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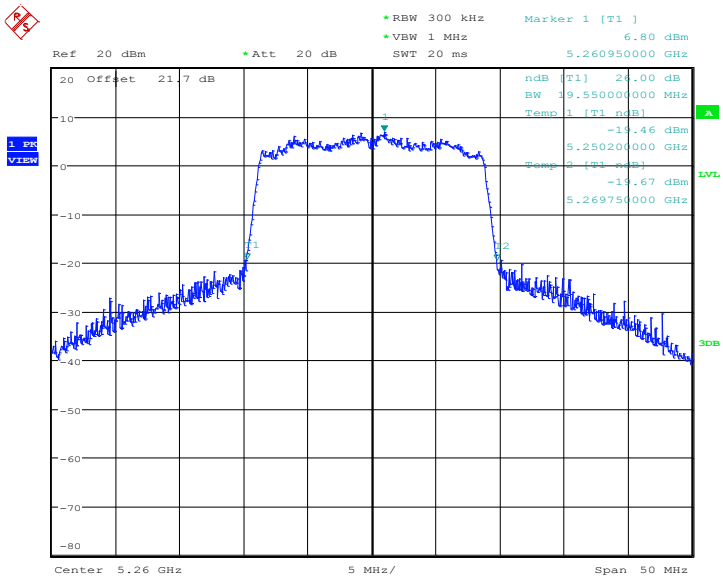
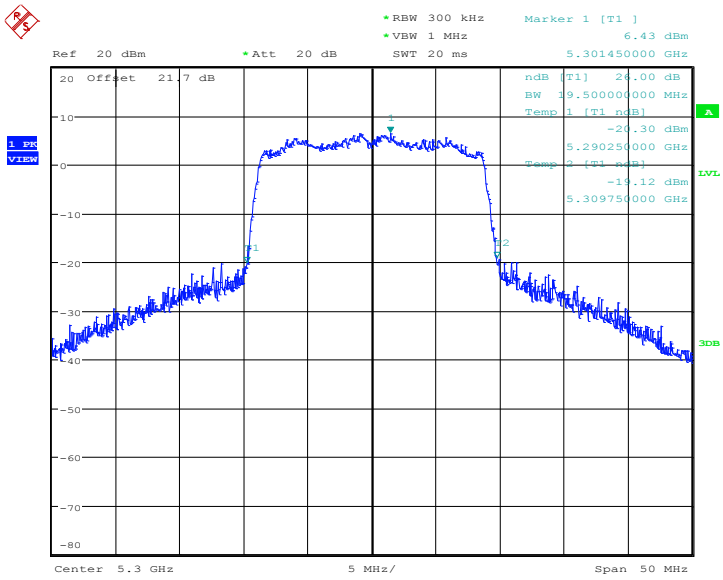
26 dB Bandwidth Plot on 802.11n HT20 Channel 52



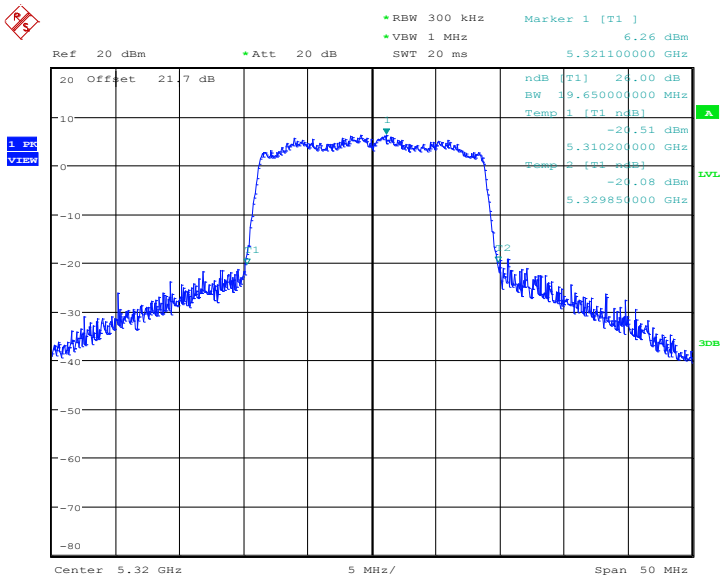
Date: 22.AUG.2012 21:17:49

26 dB Bandwidth Plot on 802.11n HT20 Channel 60



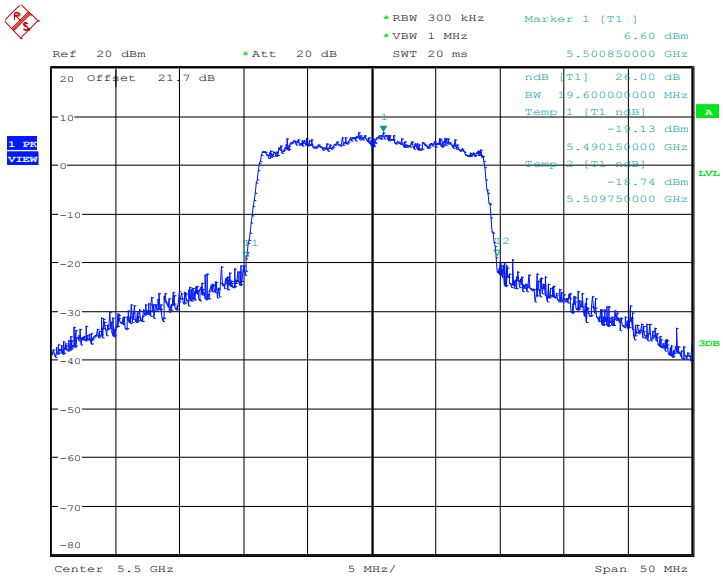
Date: 22.AUG.2012 21:21:03

26 dB Bandwidth Plot on 802.11n HT20 Channel 64



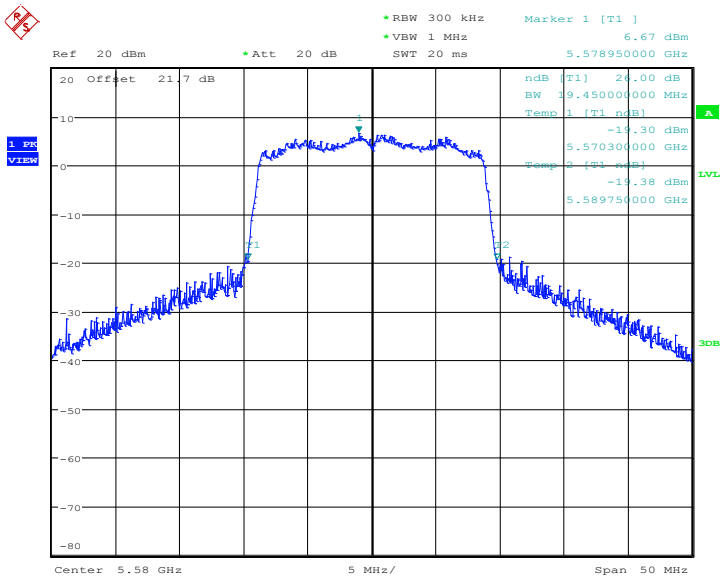
Date: 22.AUG.2012 21:26:03

26 dB Bandwidth Plot on 802.11n HT20 Channel 100



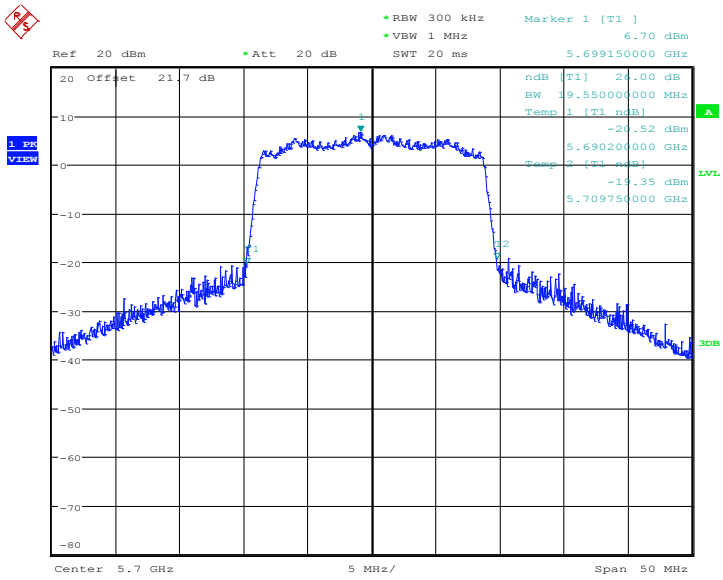
Date: 22.AUG.2012 21:30:03

26 dB Bandwidth Plot on 802.11n HT20 Channel 116



Date: 22.AUG.2012 21:33:10

26 dB Bandwidth Plot on 802.11n HT20 Channel 140



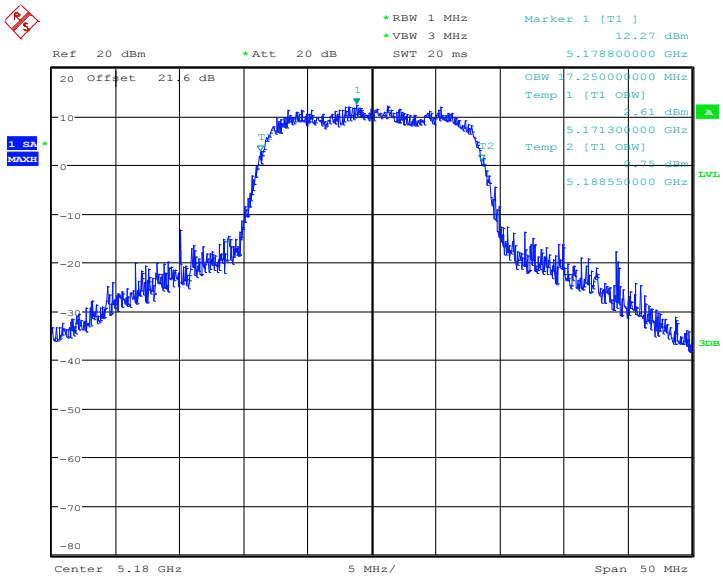
Date: 22.AUG.2012 21:35:31

3.1.6 Test Result of 99% Occupied Bandwidth Plots

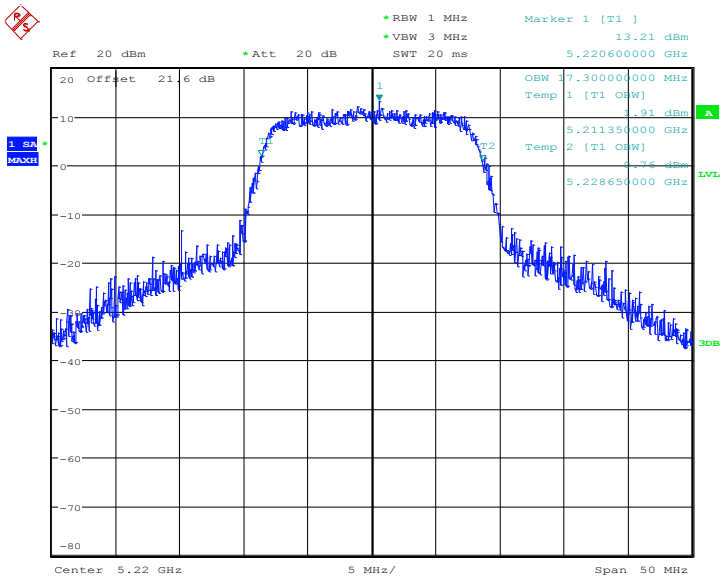
Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Channel	Frequency (MHz)	802.11a 99% Occupied Bandwidth (MHz)	Pass/Fail
36	5180	17.2500	N/A
44	5220	17.3000	N/A
48	5240	17.2500	N/A
52	5260	17.2000	N/A
60	5300	17.3000	N/A
64	5320	17.2500	N/A
100	5500	17.3000	N/A
116	5580	17.2500	N/A
140	5700	17.3500	N/A

99% Occupied Bandwidth Plot on 802.11a Channel 36

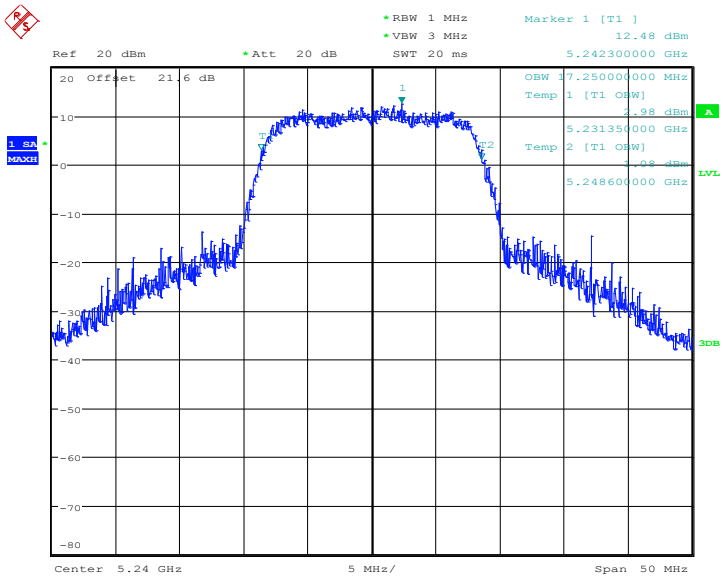


99% Occupied Bandwidth Plot on 802.11a Channel 44



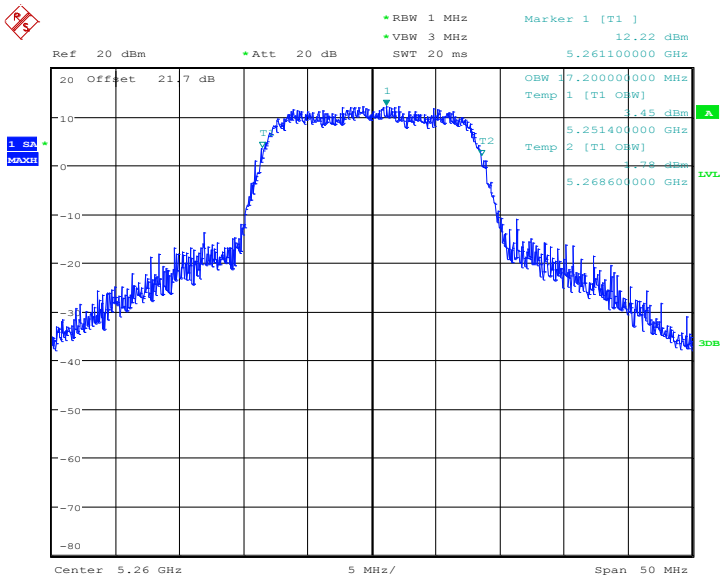
Date: 22.AUG.2012 20:59:55

99% Occupied Bandwidth Plot on 802.11a Channel 48



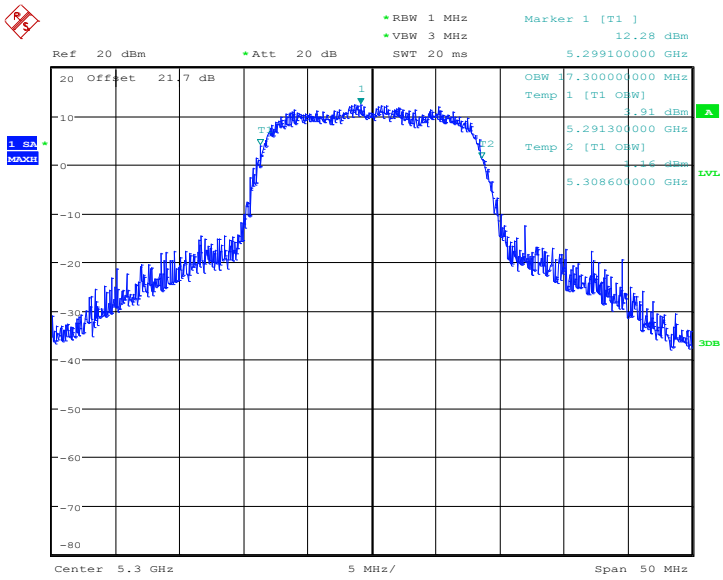
Date: 22.AUG.2012 21:03:40

99% Occupied Bandwidth Plot on 802.11a Channel 52



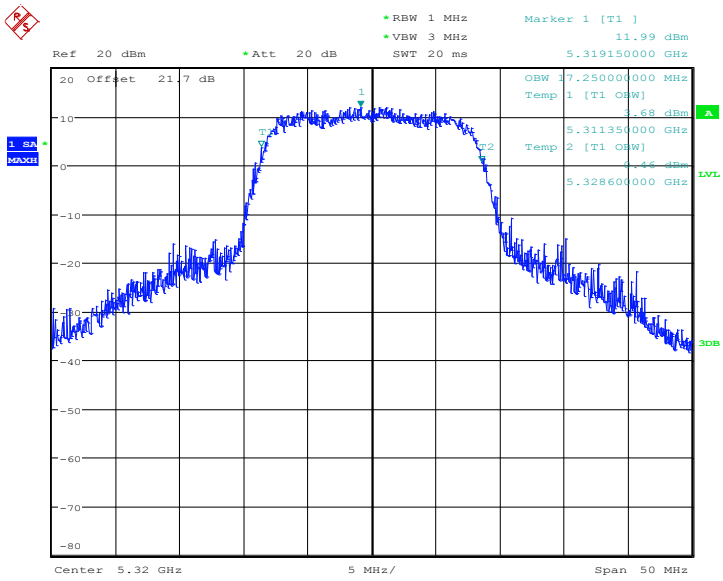
Date: 22.AUG.2012 20:25:09

99% Occupied Bandwidth Plot on 802.11a Channel 60



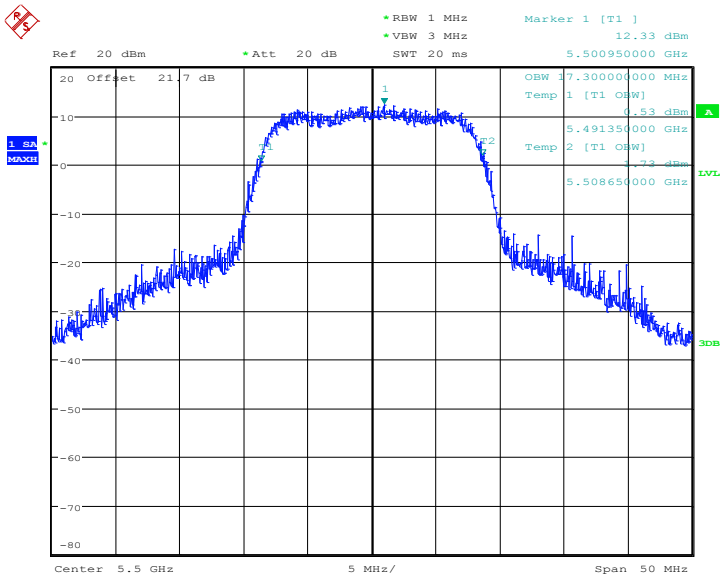
Date: 22.AUG.2012 20:29:43

99% Occupied Bandwidth Plot on 802.11a Channel 64



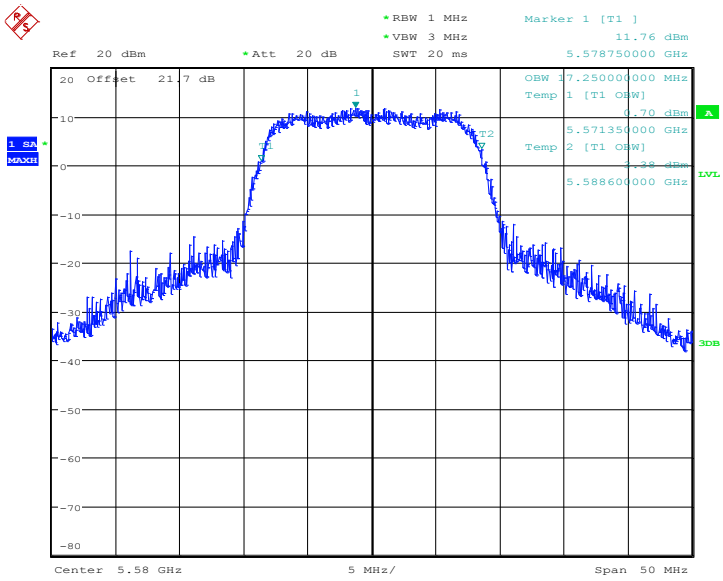
Date: 22.AUG.2012 20:33:08

99% Occupied Bandwidth Plot on 802.11a Channel 100



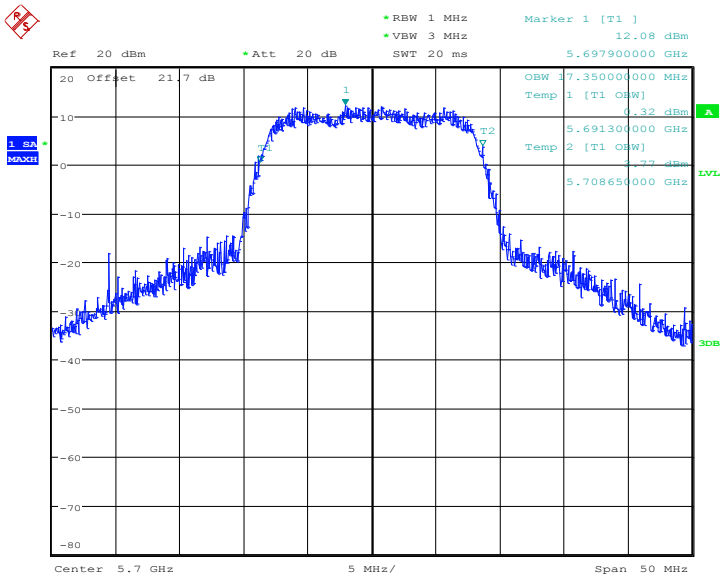
Date: 22.AUG.2012 20:38:15

99% Occupied Bandwidth Plot on 802.11a Channel 116



Date: 22.AUG.2012 20:42:17

99% Occupied Bandwidth Plot on 802.11a Channel 140

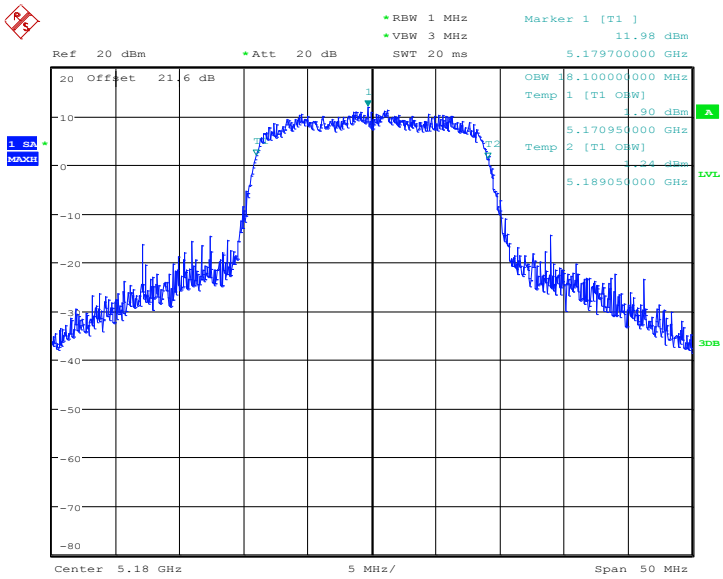


Date: 22.AUG.2012 20:55:12

Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

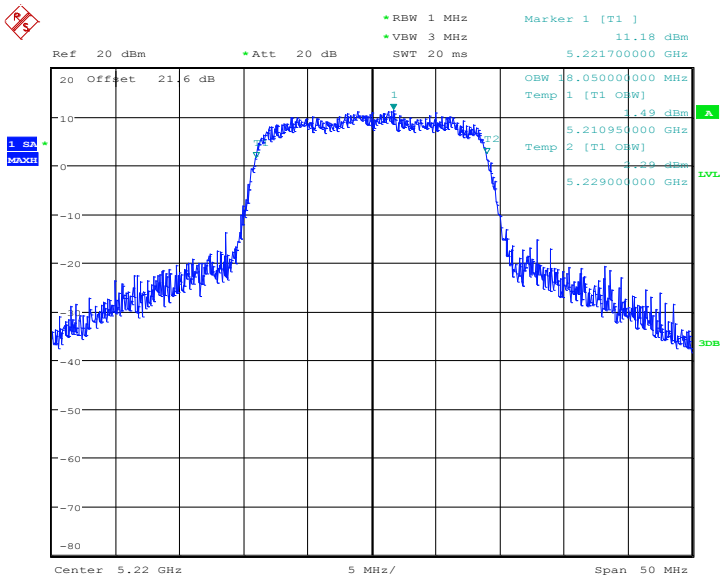
Channel	Frequency (MHz)	802.11n HT20 99% Occupied Bandwidth (MHz)	Pass/Fail
36	5180	18.1000	N/A
44	5220	18.0500	N/A
48	5240	18.1000	N/A
52	5260	18.0500	N/A
60	5300	18.1000	N/A
64	5320	18.1000	N/A
100	5500	18.0500	N/A
116	5580	18.1000	N/A
140	5700	18.0500	N/A

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 36



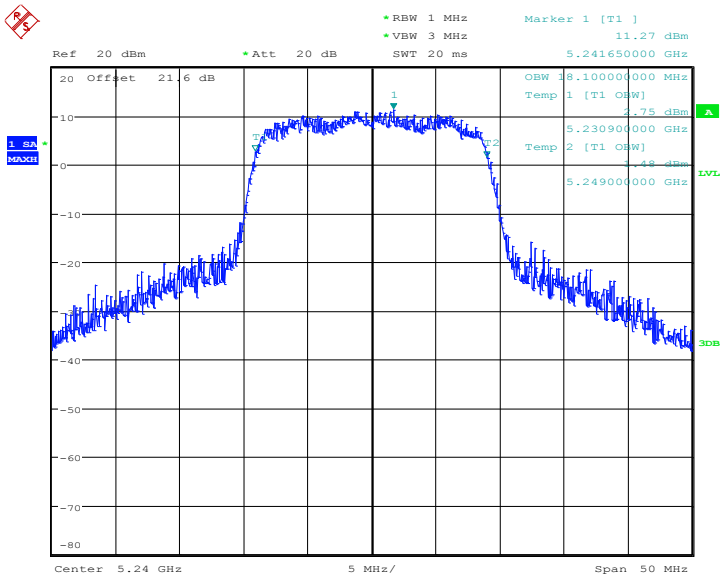
Date: 22.AUG.2012 21:08:08

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 44



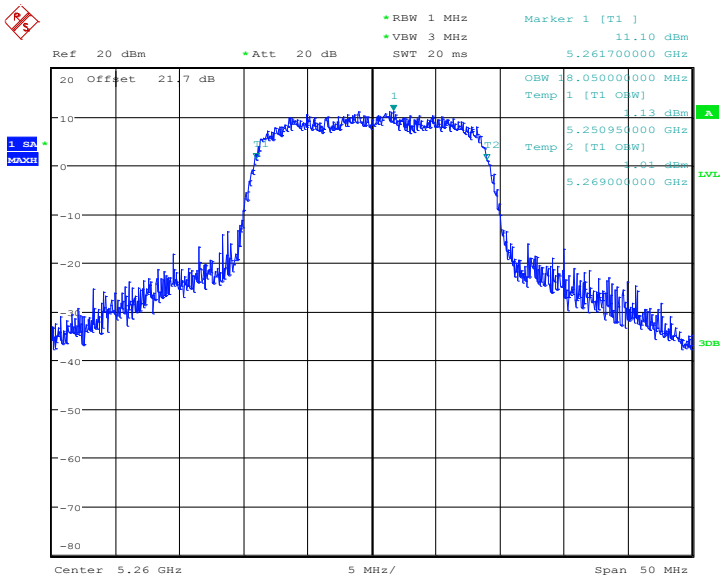
Date: 22.AUG.2012 21:10:49

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 48



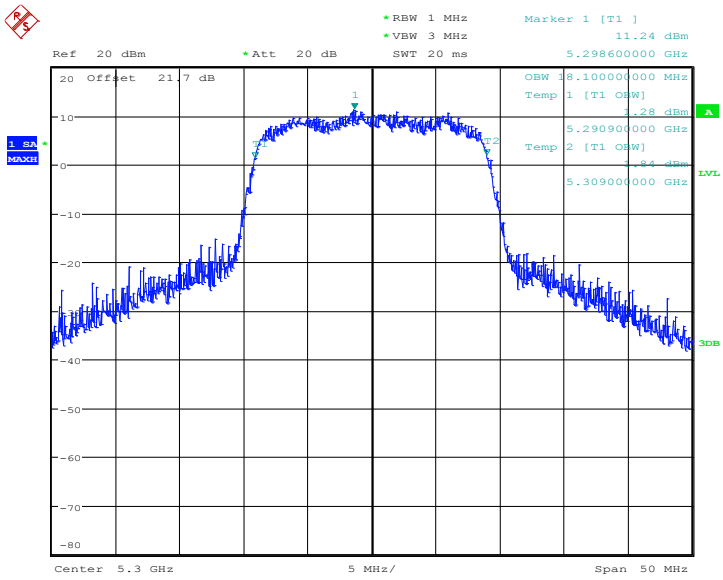
Date: 22.AUG.2012 21:14:02

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 52



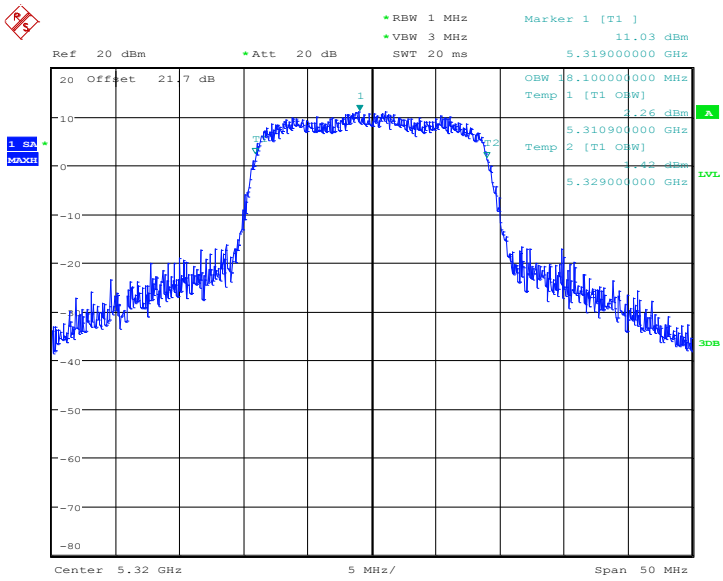
Date: 22.AUG.2012 21:20:23

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 60

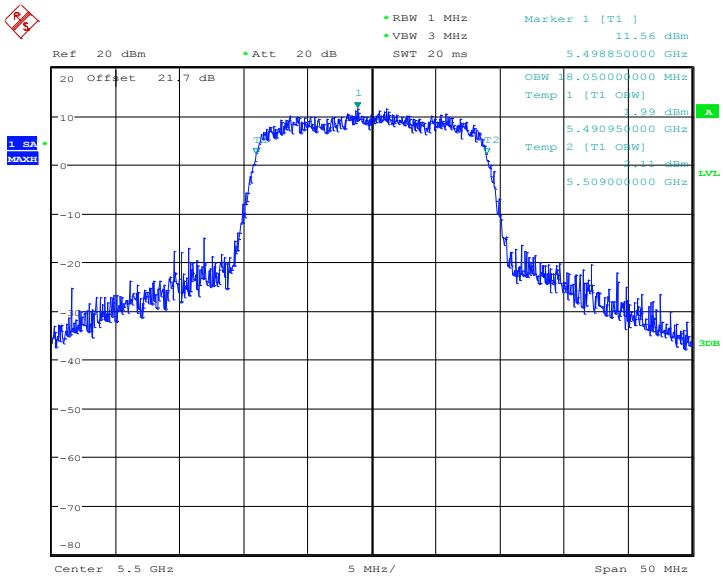


Date: 22.AUG.2012 21:24:11

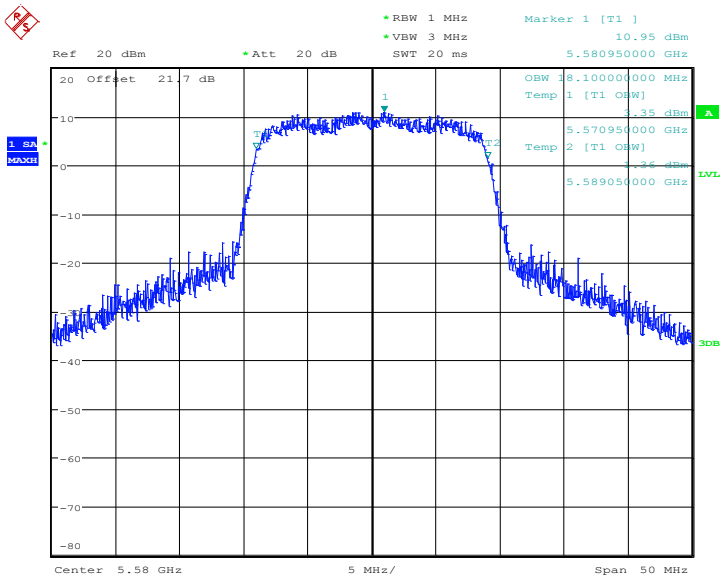
99% Occupied Bandwidth Plot on 802.11n HT20 Channel 64



99% Occupied Bandwidth Plot on 802.11n HT20 Channel 100

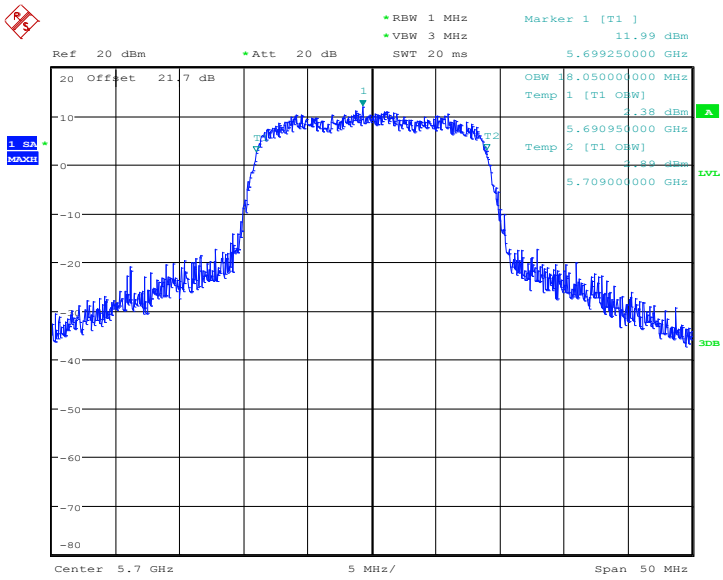


99% Occupied Bandwidth Plot on 802.11n HT20 Channel 116



Date: 22.AUG.2012 21:34:49

99% Occupied Bandwidth Plot on 802.11n HT20 Channel 140



Date: 22.AUG.2012 21:39:43

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B, where B is the 26 dB emissions bandwidth in 1-MHz. If transmitting antenna directional gain is greater than 6 dBi, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B, where B is the 26 dB emissions bandwidth in 1-MHz. If transmitting antenna directional gain is greater than 6 dBi, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

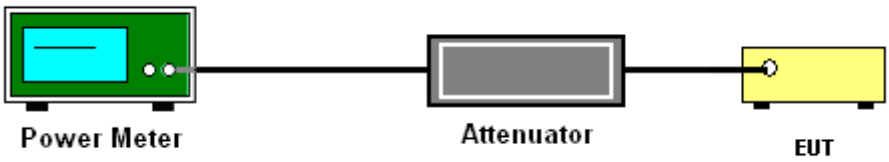
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D01 General UNII Test Procedures v01r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%
Duty Cycle	98.47%	Duty Factor	0.07dB

Channel	Frequency (MHz)	802.11a Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
		Measured	Final		
36	5180	15.10	15.17	16.87	Pass
44	5220	15.13	15.20	16.83	Pass
48	5240	15.09	15.16	16.89	Pass
52	5260	15.04	15.11	23.88	Pass
60	5300	14.96	15.03	23.83	Pass
64	5320	14.93	15.00	23.86	Pass
100	5500	15.21	15.28	23.83	Pass
116	5580	15.04	15.11	23.86	Pass
140	5700	14.93	15.00	23.83	Pass

Note:

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log (26dB BW)
3. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (26dB BW).

Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%
Duty Cycle	98.28%	Duty Factor	0.08dB

Channel	Frequency (MHz)	802.11n HT20 Output Power (dBm)		Max. Limits (dBm)	Pass/Fail
		Measured	Final		
36	5180	14.38	14.46	16.91	Pass
44	5220	14.31	14.39	16.91	Pass
48	5240	14.35	14.43	16.89	Pass
52	5260	14.38	14.46	23.91	Pass
60	5300	14.32	14.40	23.90	Pass
64	5320	14.29	14.37	23.93	Pass
100	5500	14.39	14.47	23.92	Pass
116	5580	14.28	14.36	23.89	Pass
140	5700	14.18	14.26	23.91	Pass

Note:

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log (26dB BW)
3. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (26dB BW)

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5.15–5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r01.

Section E) Peak power spectral density (PPSD).

Note: Though the rule refers to “peak power spectral density”, the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

1. The testing follows Method SA-2 of FCC KDB 789033 D01 General UNII Test Procedures v01r01.
   - Measure the duty cycle.
   - Set span to encompass the entire emission bandwidth (EBW) of the signal.
   - Set RBW = 1 MHz.
   - Set VBW ≥ 3 MHz.
   - Number of points in sweep ≥ 2 Span / RBW.
   - Sweep time = auto.
   - Detector = sample
   - Trace average at least 100 traces in power averaging mode.
   - Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

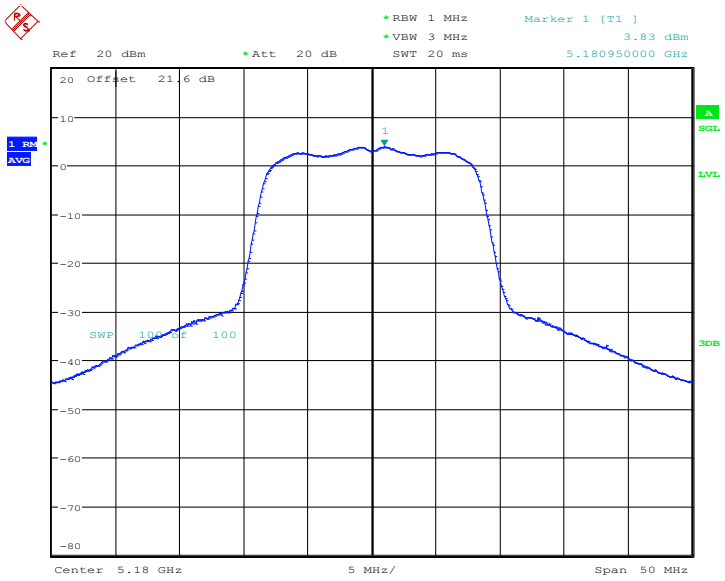
3.3.5 Test Result of Power Spectral Density

Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%
Duty Cycle:	98.47%	Duty Factor:	0.07dB

Channel	Frequency (MHz)	802.11a PSD (dBm)		Max. Limits (dBm)	Pass/Fail
		Measured	Final		
36	5180	3.830	3.897	4	Pass
44	5220	3.760	3.827	4	Pass
48	5240	3.750	3.817	4	Pass
52	5260	4.540	4.607	11	Pass
60	5300	4.510	4.577	11	Pass
64	5320	4.420	4.487	11	Pass
100	5500	4.530	4.597	11	Pass
116	5580	4.310	4.377	11	Pass
140	5700	4.490	4.557	11	Pass

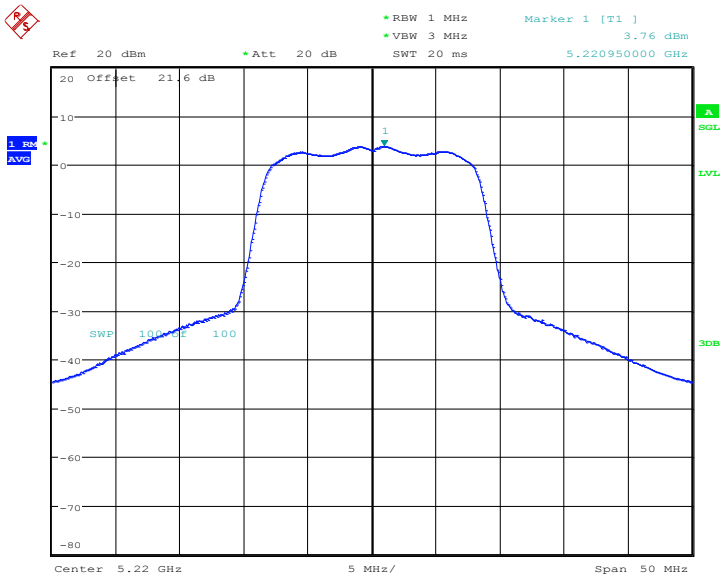
Note: Result of Final PSD equals to Measured PSD adds the duty factor.

PSD Plot on 802.11a Channel 36



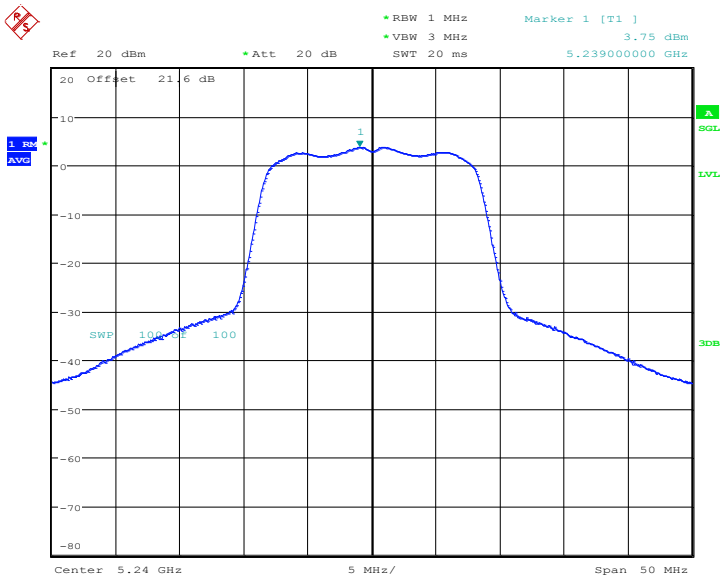
Date: 22.AUG.2012 22:19:58

PSD Plot on 802.11a Channel 44



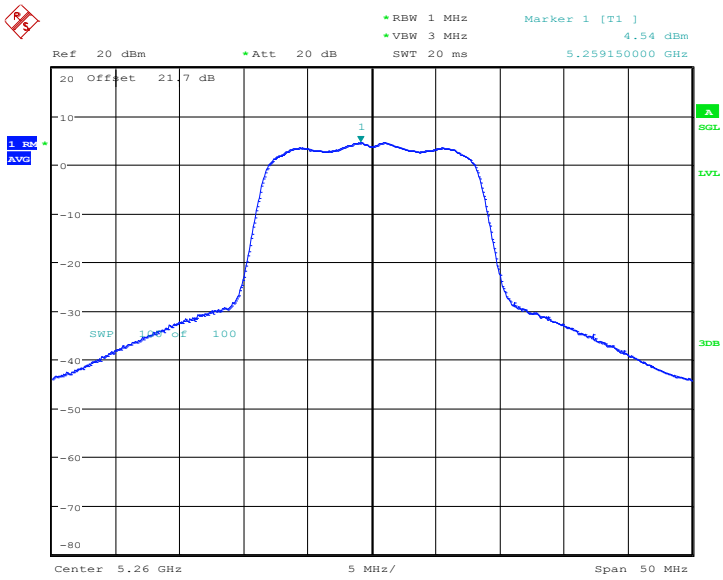
Date: 22.AUG.2012 22:21:38

PSD Plot on 802.11a Channel 48



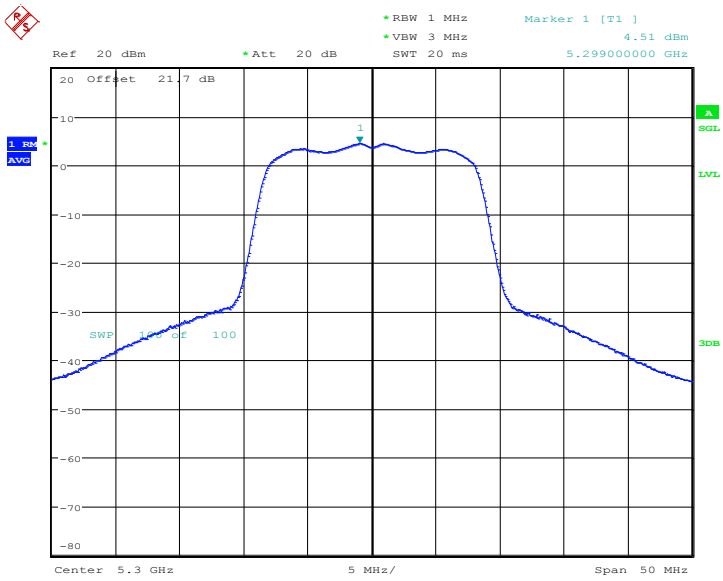
Date: 22.AUG.2012 22:22:40

PSD Plot on 802.11a Channel 52



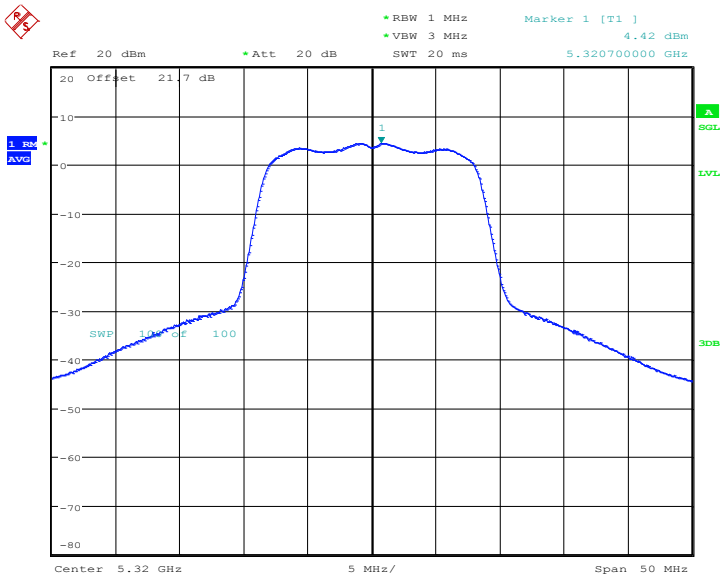
Date: 22.AUG.2012 20:23:16

PSD Plot on 802.11a Channel 60



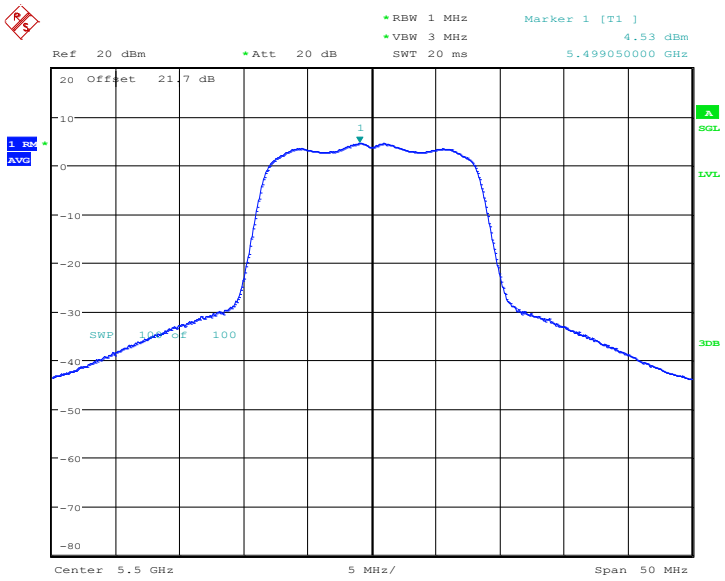
Date: 22.AUG.2012 20:27:33

PSD Plot on 802.11a Channel 64



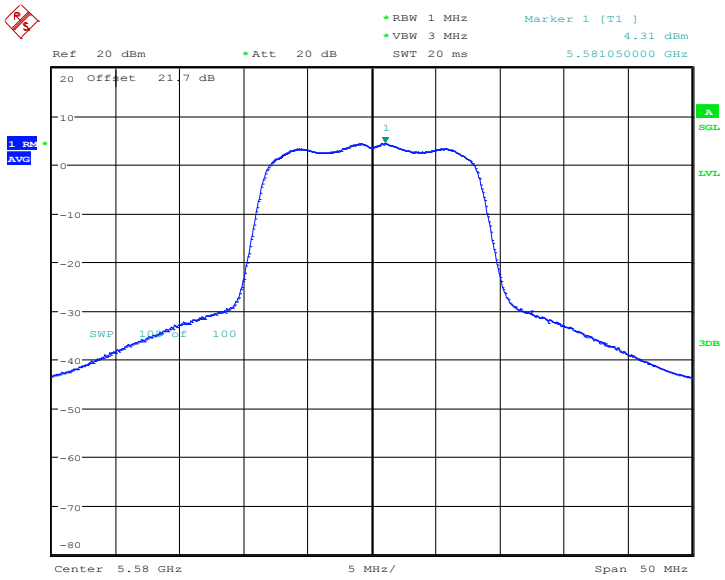
Date: 22.AUG.2012 20:30:45

PSD Plot on 802.11a Channel 100



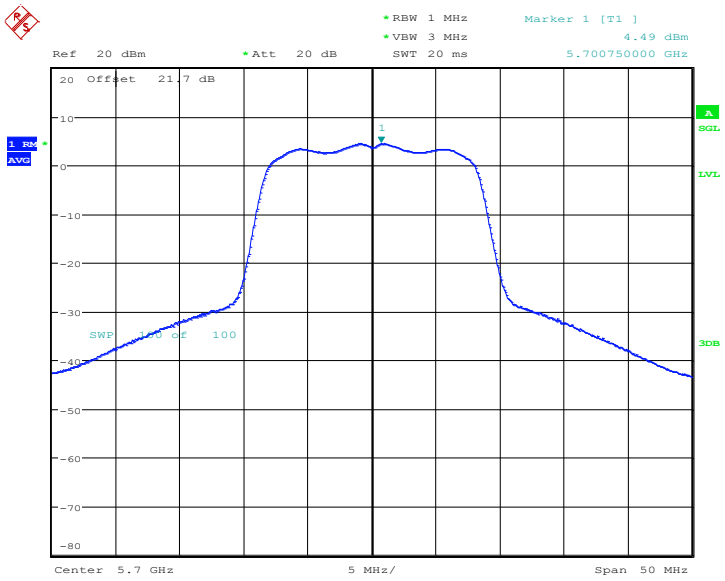
Date: 22.AUG.2012 20:36:07

PSD Plot on 802.11a Channel 116



Date: 22.AUG.2012 20:40:21

PSD Plot on 802.11a Channel 140



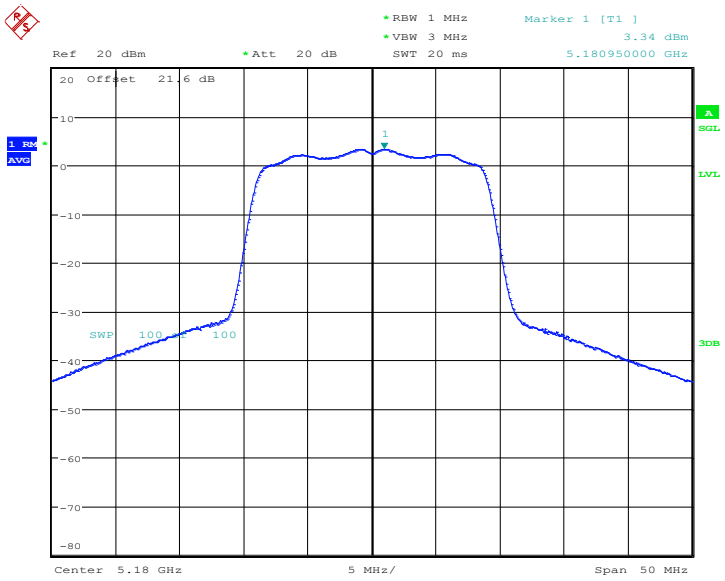
Date: 22.AUG.2012 20:53:34

Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%
Duty Cycle:	98.28%	Duty Factor:	0.08dB

Channel	Frequency (MHz)	802.11n HT20 PSD (dBm)		Max. Limits (dBm)	Pass/Fail
		Measured	Final		
36	5180	3.340	3.415	4	Pass
44	5220	3.430	3.505	4	Pass
48	5240	3.260	3.335	4	Pass
52	5260	3.300	3.375	11	Pass
60	5300	3.270	3.345	11	Pass
64	5320	3.200	3.275	11	Pass
100	5500	3.350	3.425	11	Pass
116	5580	3.290	3.365	11	Pass
140	5700	3.340	3.415	11	Pass

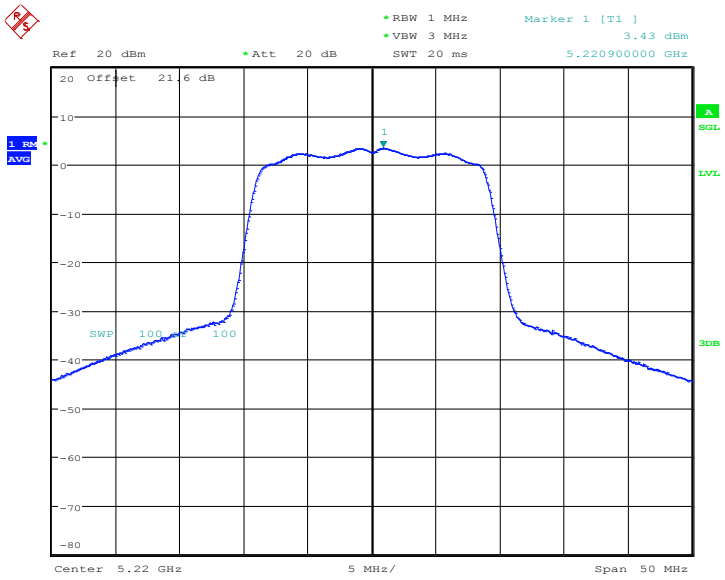
Note: Result of Final PSD equals to Measured PSD adds the duty factor.

PSD Plot on 802.11n HT20 channel 36



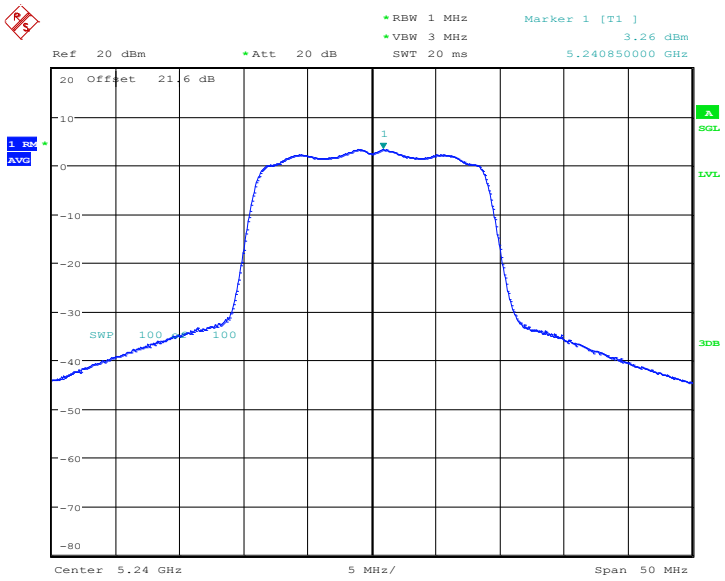
Date: 22.AUG.2012 21:06:11

PSD Plot on 802.11n HT20 Channel 44



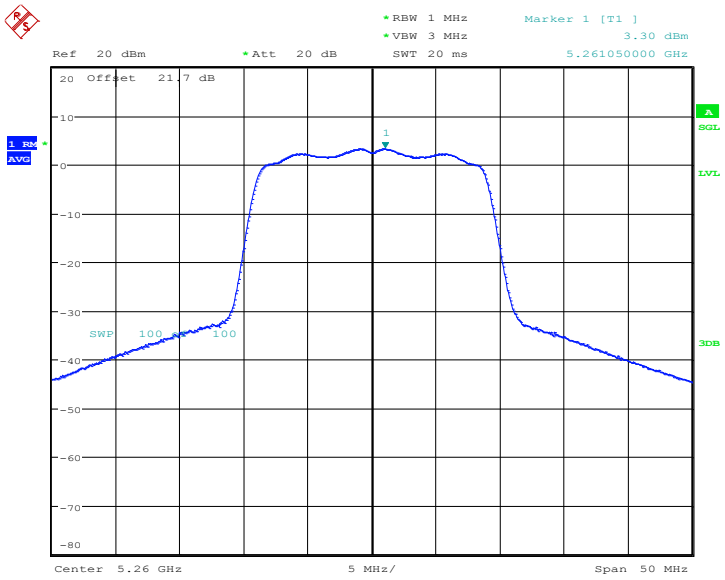
Date: 22.AUG.2012 21:09:22

PSD Plot on 802.11n HT20 Channel 48



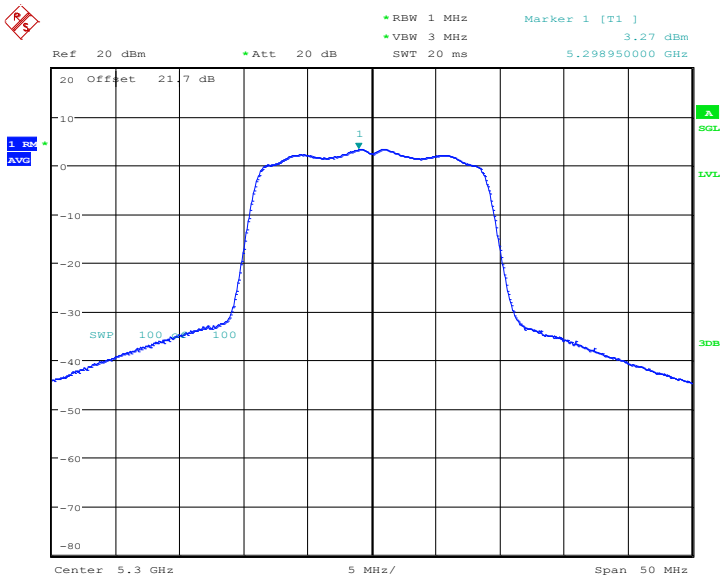
Date: 22.AUG.2012 21:11:47

PSD Plot on 802.11n HT20 Channel 52



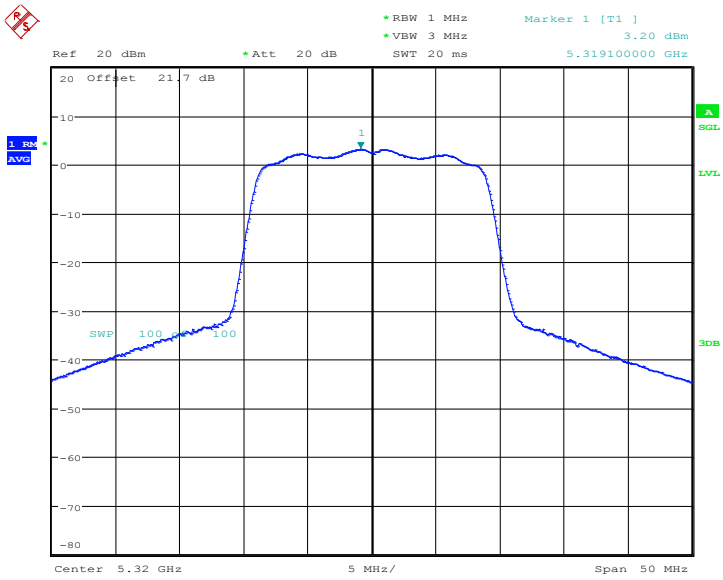
Date: 22.AUG.2012 21:18:59

PSD Plot on 802.11n HT20 Channel 60



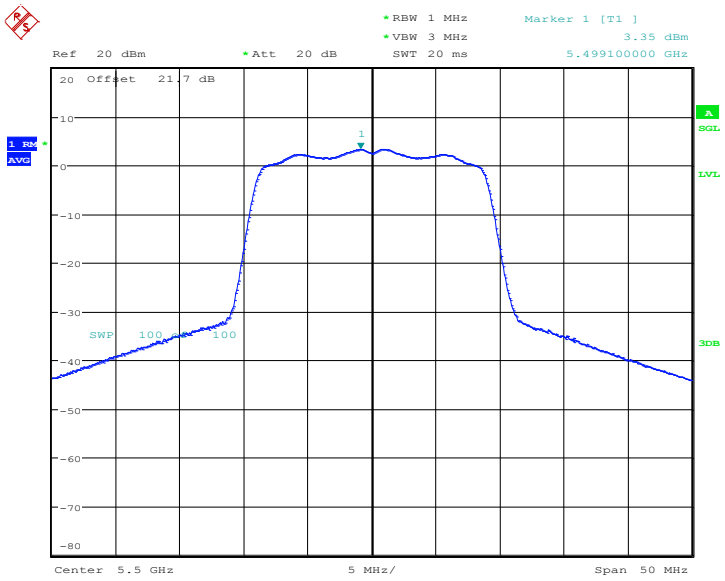
Date: 22.AUG.2012 21:21:41

PSD Plot on 802.11n HT20 Channel 64



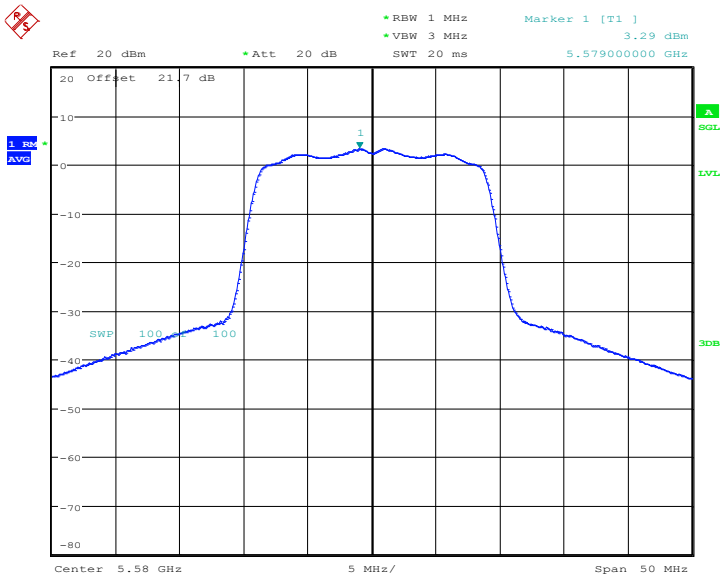
Date: 22.AUG.2012 21:26:33

PSD Plot on 802.11n HT20 Channel 100



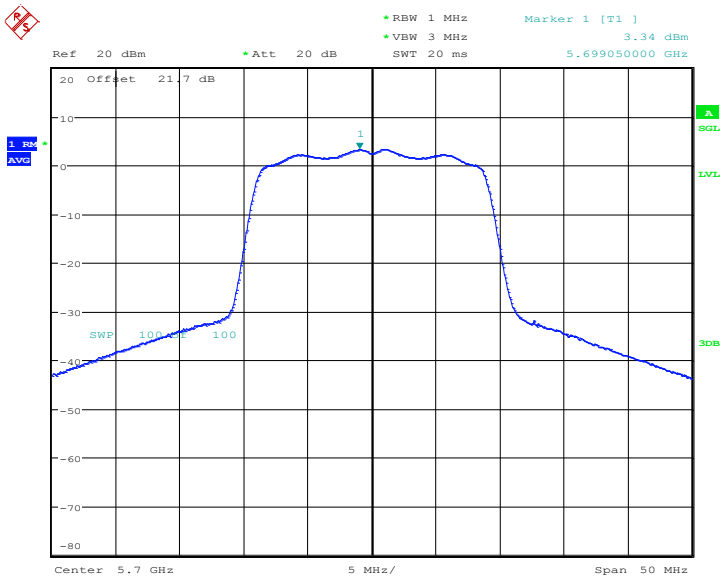
Date: 22.AUG.2012 21:30:23

PSD Plot on 802.11n HT20 Channel 116



Date: 22.AUG.2012 21:33:30

PSD Plot on 802.11n HT20 Channel 140



Date: 22.AUG.2012 21:35:54

3.4 Peak Excursion Ratio Measurement

3.4.1 Limit of Peak Excursion Ratio

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

T The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r01.

Section F) Peak excursion measurement

1. The transmitter output is connected to the spectrum analyzer.
2. Set the spectrum analyzer span to view the entire emission bandwidth.
3. Find the maximum of the peak-max-hold spectrum.

   *Set RBW = 1MHz.

   *Set VBW ≥ 3MHz.

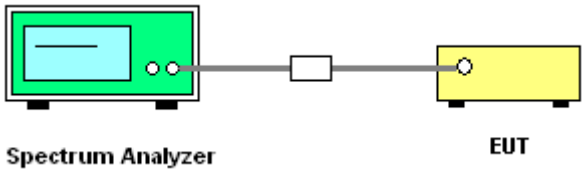
   *Detector = peak.

   *Trace mode = max-hold.

   *Allow the sweeps to continue until the trace stabilizes.

   *Use the peak search function to find the peak of the spectrum.
4. Use the procedure found under section 3.3 to measure the PPSD.
5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

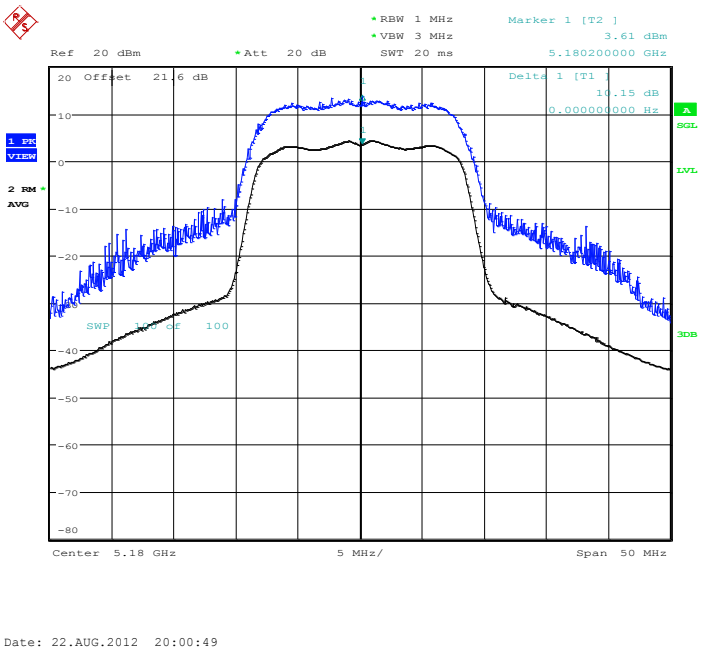
3.4.4 Test Setup



3.4.5 Test Result of Peak Excursion Ratio

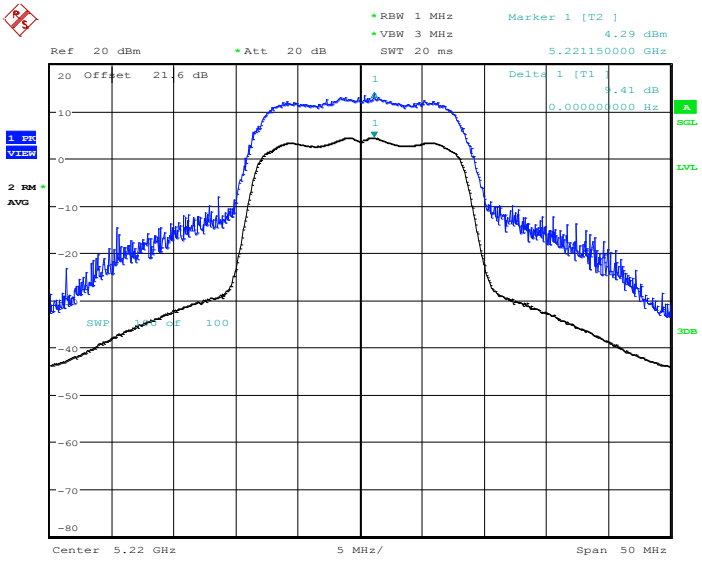
Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Peak Excursion Ratio Plot on 802.11a Channel 36



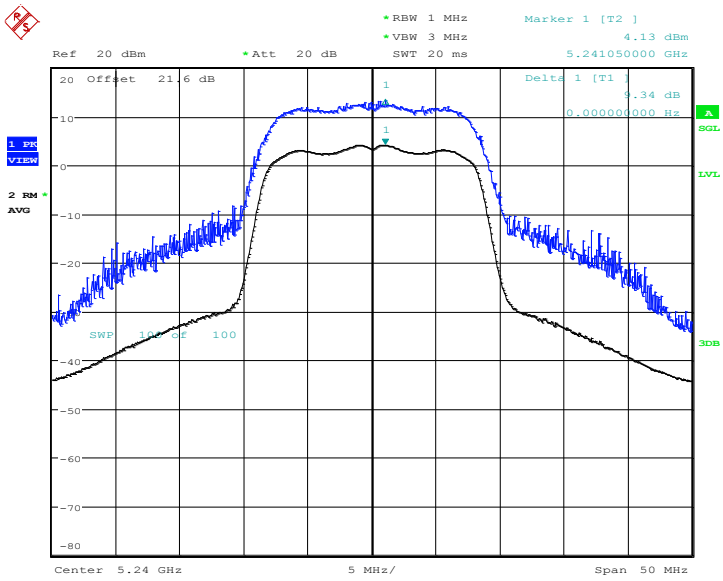
Date: 22.AUG.2012 20:00:49

Peak Excursion Ratio Plot on 802.11a Channel 44



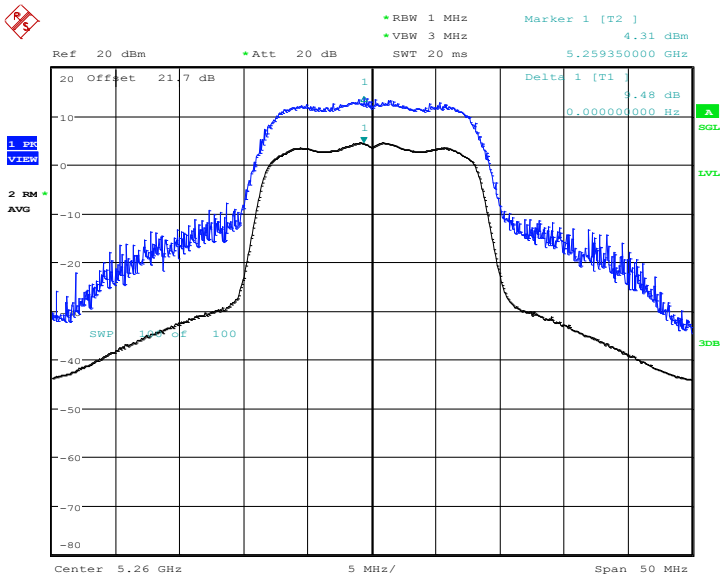
Date: 22.AUG.2012 20:57:17

Peak Excursion Ratio Plot on 802.11a Channel 48



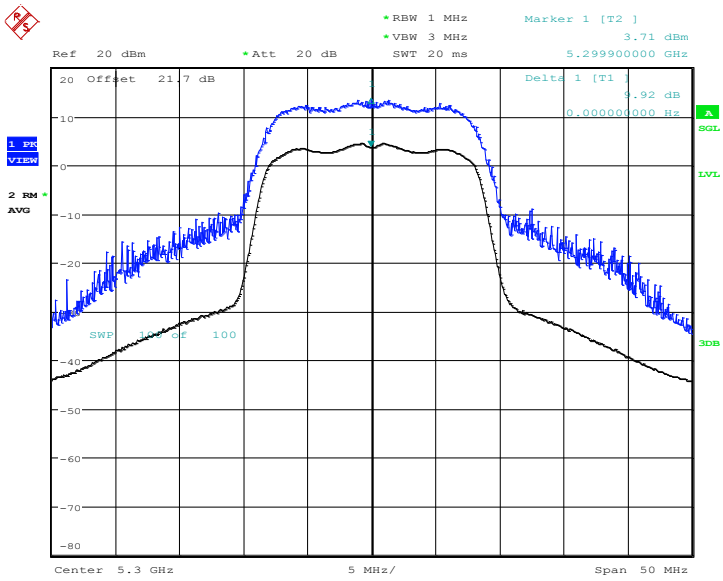
Date: 22.AUG.2012 21:02:40

Peak Excursion Ratio Plot on 802.11a Channel 52



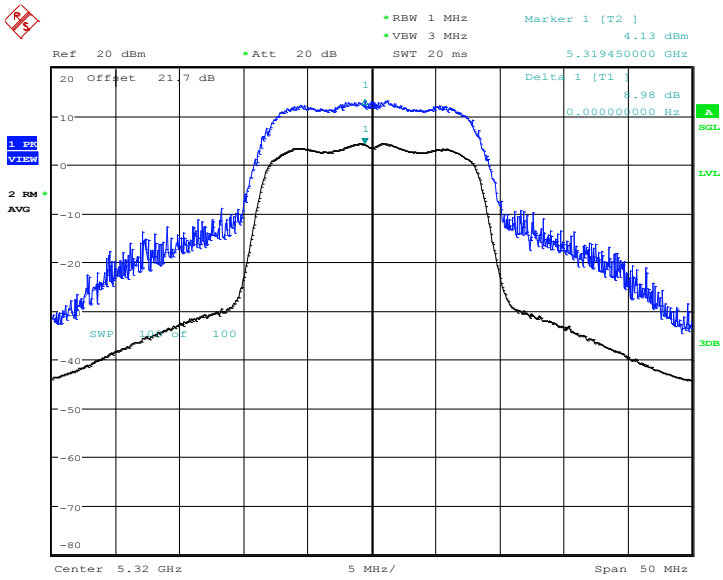
Date: 22.AUG.2012 20:23:35

Peak Excursion Ratio Plot on 802.11a Channel 60



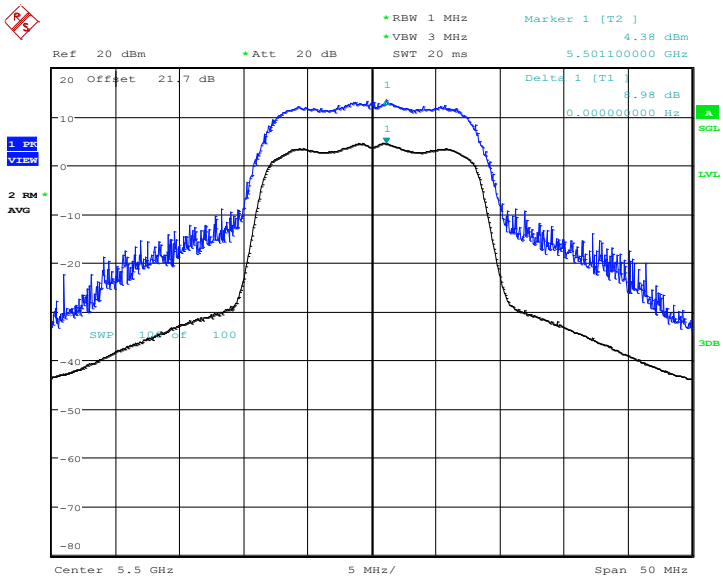
Date: 22.AUG.2012 20:28:21

Peak Excursion Ratio Plot on 802.11a Channel 64



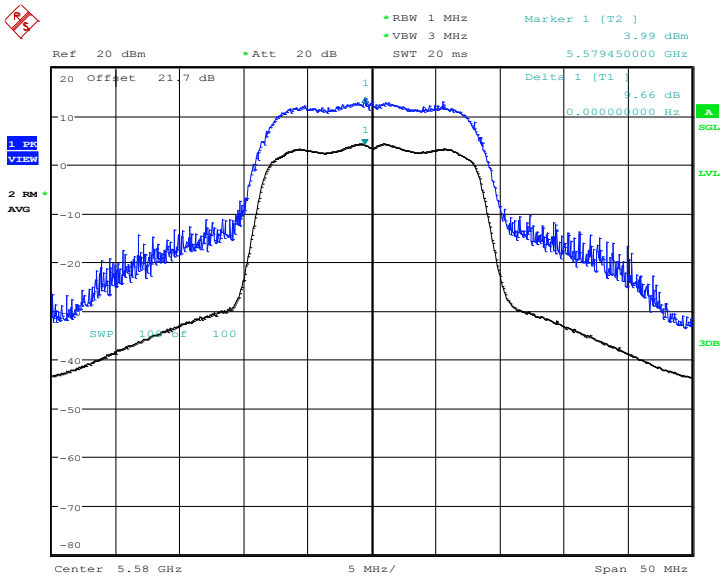
Date: 22.AUG.2012 20:31:04

Peak Excursion Ratio Plot on 802.11a Channel 100



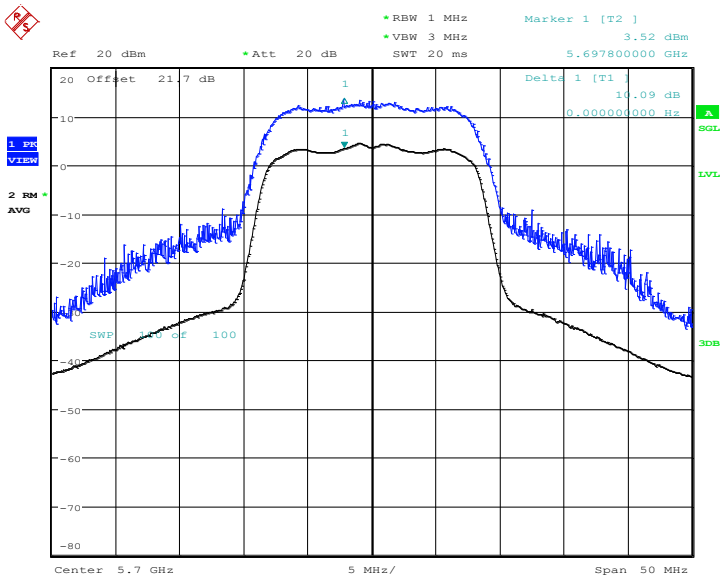
Date: 22.AUG.2012 20:36:27

Peak Excursion Ratio Plot on 802.11a Channel 116



Date: 22.AUG.2012 20:40:41

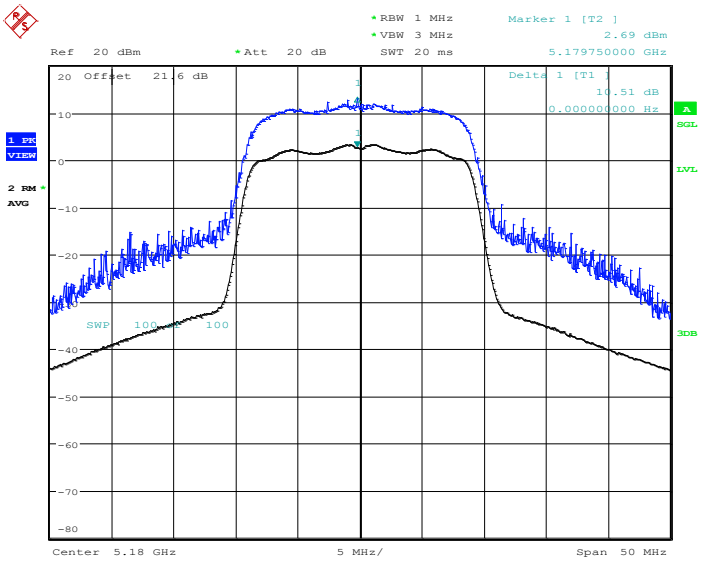
Peak Excursion Ratio Plot on 802.11a Channel 140



Date: 22.AUG.2012 20:53:53

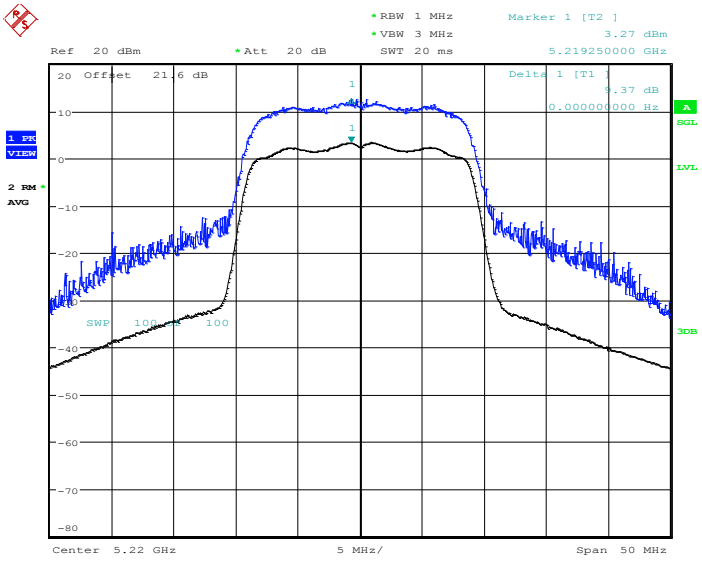
Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Peak Excursion Ratio Plot on 802.11n HT20 Channel 36



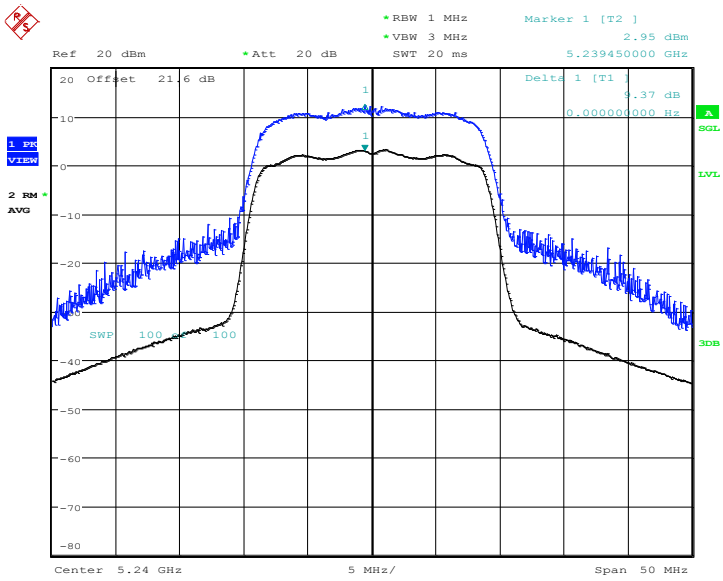
Date: 22.AUG.2012 21:06:32

Peak Excursion Ratio Plot on 802.11n HT20 Channel 44



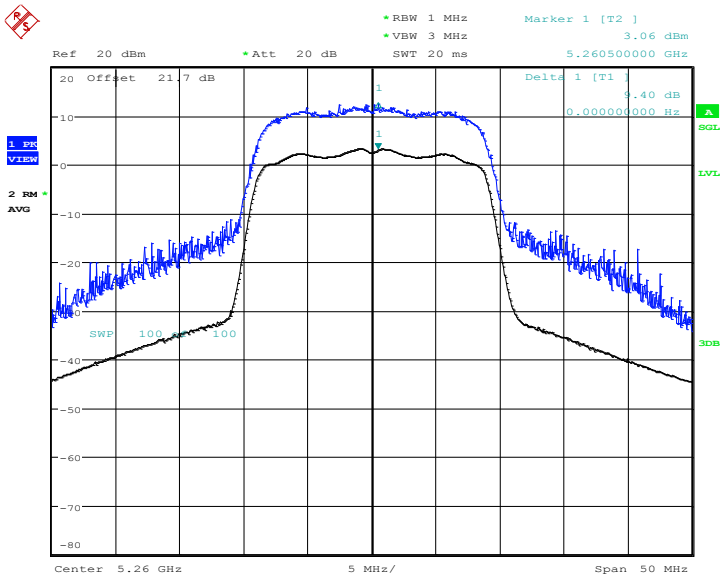
Date: 22.AUG.2012 21:09:45

Peak Excursion Ratio Plot on 802.11n HT20 Channel 48



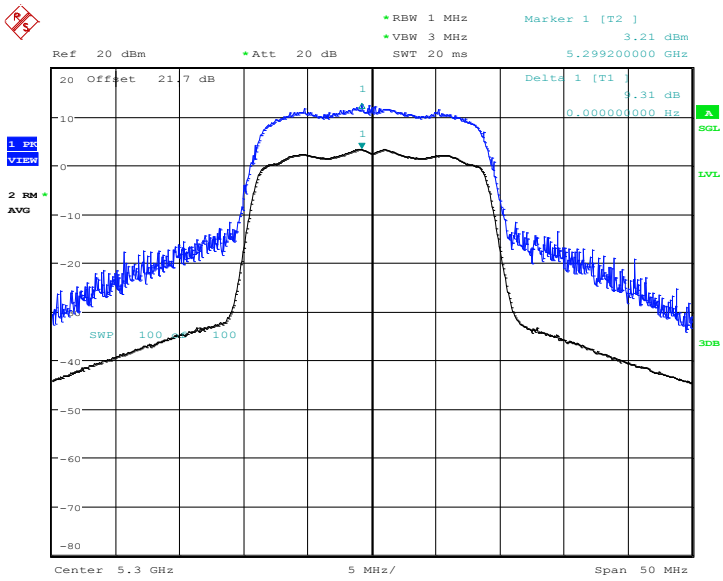
Date: 22.AUG.2012 21:12:06

Peak Excursion Ratio Plot on 802.11n HT20 Channel 52



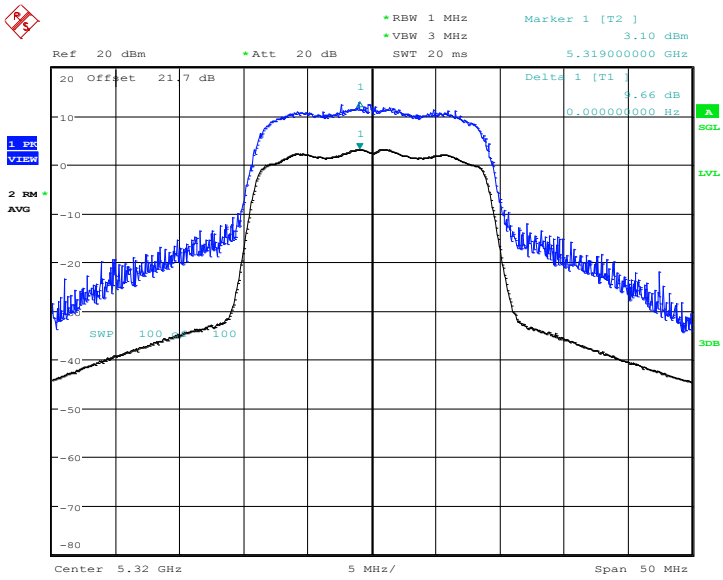
Date: 22.AUG.2012 21:19:20

Peak Excursion Ratio Plot on 802.11n HT20 Channel 60



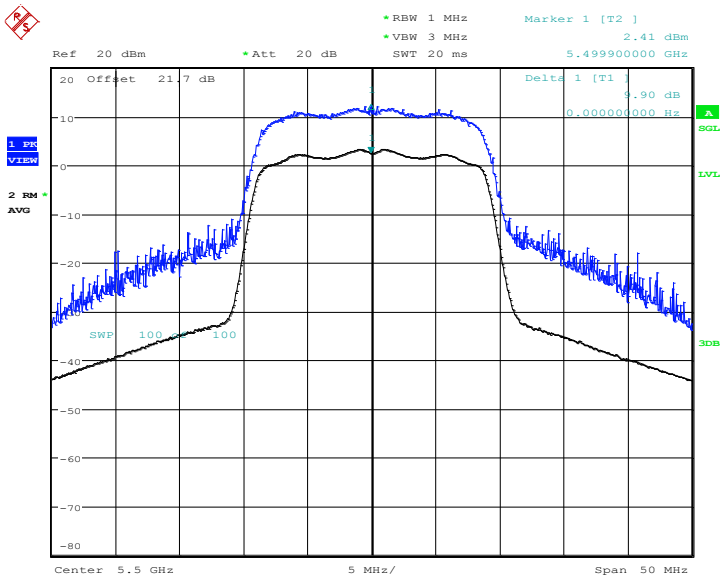
Date: 22.AUG.2012 21:22:09

Peak Excursion Ratio Plot on 802.11n HT20 Channel 64



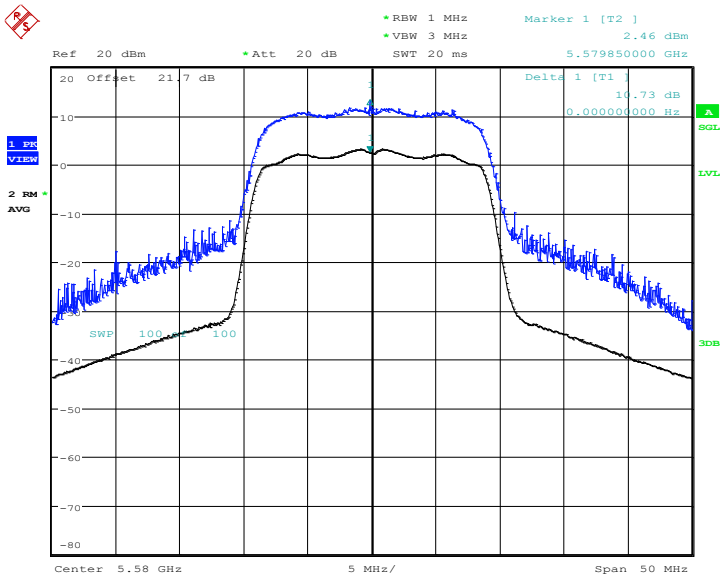
Date: 22.AUG.2012 21:26:53

Peak Excursion Ratio Plot on 802.11n HT20 Channel 100



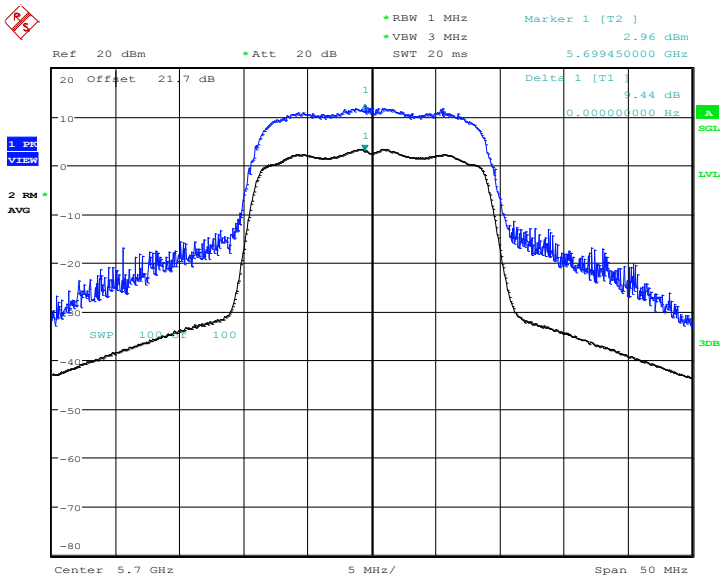
Date: 22.AUG.2012 21:30:43

Peak Excursion Ratio Plot on 802.11n HT20 Channel 116



Date: 22.AUG.2012 21:33:51

Peak Excursion Ratio Plot on 802.11n HT20 Channel 140



Date: 22.AUG.2012 21:36:15

3.5 Unwanted Radiated Emission 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.

3.5.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz 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 (dBuV/m)
-17	78.3
- 27	68.3

3.5.2 Measuring Instruments

See list of measuring instruments of this test report.

3.5.3 Test Procedures

1. The testing follows the guidelines in fulfills ANSI C63.4-2003 and the guidelines in ANSI C63.10-2009 test site requirement and FCC KDB 789033 D01 General UNII Test Procedures v01r01.

   Section G) 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 G) 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 G) 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.

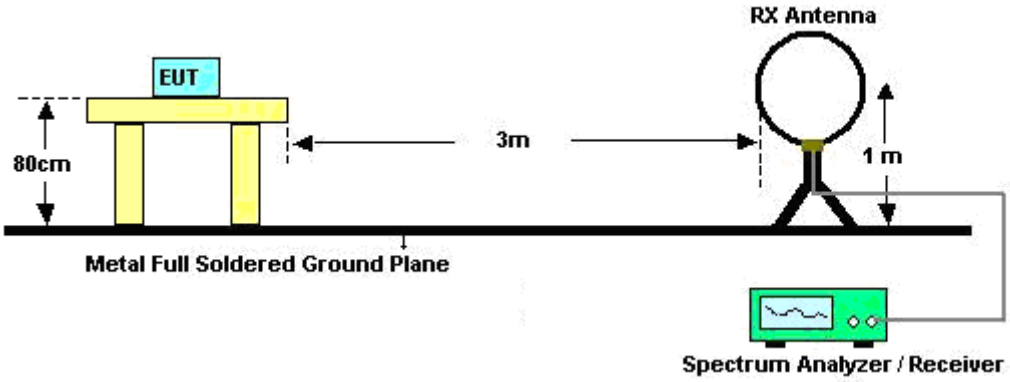
Band	Duty Cycle(%)	T(us)	1/T(KHz)	VBW Setting
802.11a	98.47	-	-	10Hz
802.11n (BW 20MHz)	98.28	-	-	10Hz

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.

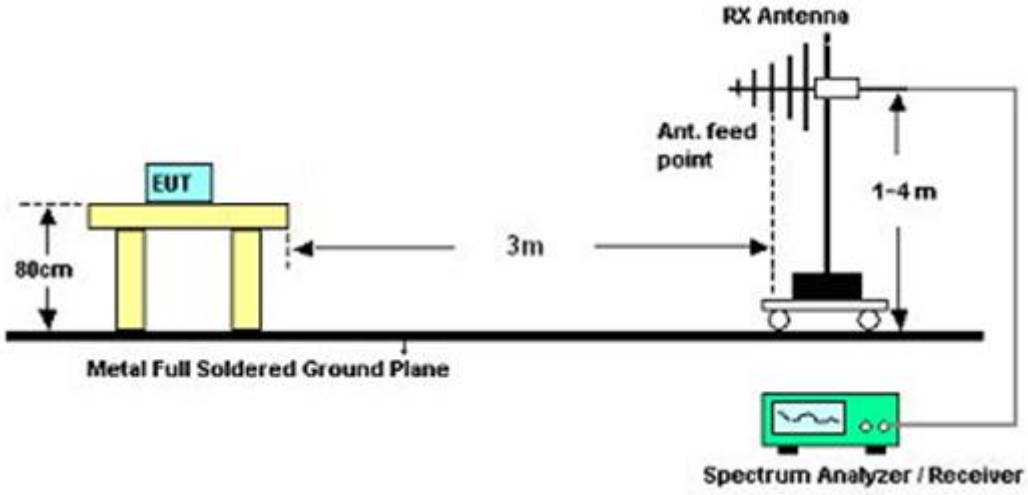
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, 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.

3.5.4 Test Setup

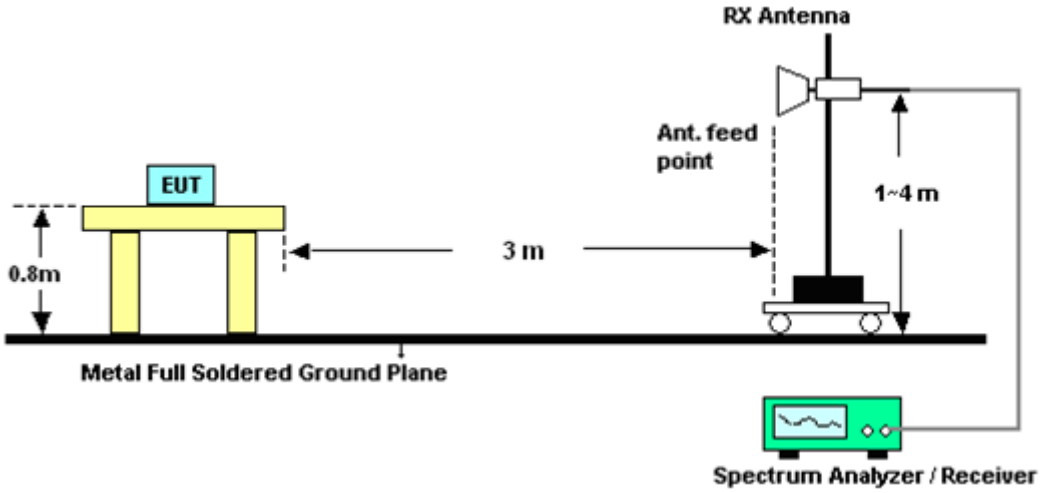
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 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.

3.5.6 Test Result of Radiated Band Edges

<Antenna 1> for Chain 0

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
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
5149.5	70.45	-3.55	74	64.95	33.95	6.69	35.14	100	175	Peak
5150	45.66	-8.34	54	40.16	33.95	6.69	35.14	100	175	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
5148.35	63.21	-10.79	74	57.71	33.95	6.69	35.14	190	210	Peak
5150	41.39	-12.61	54	35.89	33.95	6.69	35.14	190	210	Average

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	48	**Relative Humidity :**	40~42%
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
5137.3	53.62	-20.38	74	48.18	33.93	6.68	35.17	100	182	Peak
5136.15	40.42	-13.58	54	34.98	33.93	6.68	35.17	100	182	Average
5399.8	53.44	-20.56	74	47.26	34.2	6.86	34.88	100	182	Peak
5399.95	42.94	-11.06	54	36.76	34.2	6.86	34.88	100	182	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
5133.7	50.74	-23.26	74	45.3	33.93	6.68	35.17	200	206	Peak
5142.05	38.69	-15.31	54	33.22	33.95	6.69	35.17	200	206	Average
5399.95	55.98	-18.02	74	49.8	34.2	6.86	34.88	200	206	Peak
5400	45.15	-8.85	54	38.97	34.2	6.86	34.88	200	206	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5100.05	55.66	-18.34	74	50.29	33.9	6.66	35.19	100	184	Peak
5100	44.95	-9.05	54	39.58	33.9	6.66	35.19	100	184	Average
5364.25	52.26	-21.74	74	46.17	34.17	6.85	34.93	100	184	Peak
5363.85	40.04	-13.96	54	33.95	34.17	6.85	34.93	100	184	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
5115.15	50.44	-23.56	74	45.05	33.92	6.66	35.19	190	210	Peak
5100	39.34	-14.66	54	33.97	33.9	6.66	35.19	190	210	Average
5368.8	51.86	-22.14	74	45.77	34.17	6.85	34.93	190	210	Peak
5363.95	39.48	-14.52	54	33.39	34.17	6.85	34.93	190	210	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5351.6	67.04	-6.96	74	60.99	34.15	6.83	34.93	112	173	Peak
5350.05	45.72	-8.28	54	39.67	34.15	6.83	34.93	112	173	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
5351.2	63.06	-10.94	74	57.01	34.15	6.83	34.93	188	210	Peak
5350	43.05	-10.95	54	37	34.15	6.83	34.93	188	210	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5470	63.15	-5.15	68.3	56.79	34.27	6.92	34.83	107	194	Peak

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	58.38	-9.92	68.3	52.02	34.27	6.92	34.83	101	195	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	62.57	-5.73	68.3	55.59	34.66	7.17	34.85	102	177	Peak

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	61.69	-6.61	68.3	54.71	34.66	7.17	34.85	100	261	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
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
5148.25	69.26	-4.74	74	63.76	33.95	6.69	35.14	100	173	Peak
5150	44.99	-9.01	54	39.49	33.95	6.69	35.14	100	173	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
5147.95	62.91	-11.09	74	57.41	33.95	6.69	35.14	110	198	Peak
5149.95	40.99	-13.01	54	35.49	33.95	6.69	35.14	110	198	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
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
5145.5	52.25	-21.75	74	46.75	33.95	6.69	35.14	100	187	Peak
5141.2	40.03	-13.97	54	34.56	33.95	6.69	35.17	100	187	Average
5399.75	54.53	-19.47	74	48.35	34.2	6.86	34.88	100	187	Peak
5399.95	43.84	-10.16	54	37.66	34.2	6.86	34.88	100	187	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
5144.7	50.73	-23.27	74	45.23	33.95	6.69	35.14	186	210	Peak
5141.75	38.55	-15.45	54	33.08	33.95	6.69	35.17	186	210	Average
5395.15	52.42	-21.58	74	46.27	34.2	6.86	34.91	186	210	Peak
5399.95	41.58	-12.42	54	35.4	34.2	6.86	34.88	186	210	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5100	56.54	-17.46	74	51.17	33.9	6.66	35.19	100	181	Peak
5100	44.94	-9.06	54	39.57	33.9	6.66	35.19	100	181	Average
5371.15	52.25	-21.75	74	46.16	34.17	6.85	34.93	100	181	Peak
5363.8	39.79	-14.21	54	33.7	34.17	6.85	34.93	100	181	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
5100.05	50.51	-23.49	74	45.14	33.9	6.66	35.19	200	209	Peak
5100	39.34	-14.66	54	33.97	33.9	6.66	35.19	200	209	Average
5370.95	52.46	-21.54	74	46.37	34.17	6.85	34.93	200	209	Peak
5363.65	39.72	-14.28	54	33.63	34.17	6.85	34.93	200	209	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5351.25	66.39	-7.61	74	60.34	34.15	6.83	34.93	109	173	Peak
5350	45.42	-8.58	54	39.37	34.15	6.83	34.93	109	173	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
5355.15	63.09	-10.91	74	57.04	34.15	6.83	34.93	184	211	Peak
5350.05	42.37	-11.63	54	36.32	34.15	6.83	34.93	184	211	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5470	63.81	-4.49	68.3	57.45	34.27	6.92	34.83	107	173	Peak

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	55.97	-12.33	68.3	49.61	34.27	6.92	34.83	100	193	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	63.49	-4.81	68.3	56.51	34.66	7.17	34.85	102	176	Peak

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	64.97	-3.33	68.3	57.99	34.66	7.17	34.85	100	261	Peak

<Antenna 1> for Chain 1

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
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
5149.05	67.59	-6.41	74	62.09	33.95	6.69	35.14	100	183	Peak
5150	44.29	-9.71	54	38.79	33.95	6.69	35.14	100	183	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
5150	62.3	-11.7	74	56.8	33.95	6.69	35.14	188	245	Peak
5150	40.74	-13.26	54	35.24	33.95	6.69	35.14	188	245	Average

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	48	**Relative Humidity :**	40~42%
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
5145.8	52.68	-21.32	74	47.18	33.95	6.69	35.14	100	184	Peak
5136.05	39.88	-14.12	54	34.44	33.93	6.68	35.17	100	184	Average
5399.85	54.56	-19.44	74	48.38	34.2	6.86	34.88	100	184	Peak
5400	43.11	-10.89	54	36.93	34.2	6.86	34.88	100	184	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
5103.9	51.6	-22.4	74	46.23	33.9	6.66	35.19	116	246	Peak
5135.6	38.57	-15.43	54	33.13	33.93	6.68	35.17	116	246	Average
5399.2	52.13	-21.87	74	45.95	34.2	6.86	34.88	116	246	Peak
5400	41.88	-12.12	54	35.7	34.2	6.86	34.88	116	246	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5100.05	54.09	-19.91	74	48.72	33.9	6.66	35.19	100	187	Peak
5100	43.31	-10.69	54	37.94	33.9	6.66	35.19	100	187	Average
5364.25	52.26	-21.74	74	46.17	34.17	6.85	34.93	100	187	Peak
5363.9	40.04	-13.96	54	33.95	34.17	6.85	34.93	100	187	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
5148.8	51.85	-22.15	74	46.35	33.95	6.69	35.14	200	245	Peak
5149.9	38.41	-15.59	54	32.91	33.95	6.69	35.14	200	245	Average
5368.6	51.82	-22.18	74	45.73	34.17	6.85	34.93	200	245	Peak
5363.75	39.22	-14.78	54	33.13	34.17	6.85	34.93	200	245	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5351.05	65.08	-8.92	74	59.03	34.15	6.83	34.93	100	193	Peak
5350	44.25	-9.75	54	38.2	34.15	6.83	34.93	100	193	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
5351.7	60.69	-13.31	74	54.64	34.15	6.83	34.93	200	228	Peak
5350.05	41.7	-12.3	54	35.65	34.15	6.83	34.93	200	228	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5470	60.11	-8.19	68.3	53.75	34.27	6.92	34.83	105	178	Peak

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	57.54	-10.76	68.3	51.18	34.27	6.92	34.83	112	206	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	63.54	-4.76	68.3	56.56	34.66	7.17	34.85	100	181	Peak

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	64.38	-3.92	68.3	57.4	34.66	7.17	34.85	196	294	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
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
5147.35	59.26	-14.74	74	53.76	33.95	6.69	35.14	139	247	Peak
5150	39.87	-14.13	54	34.37	33.95	6.69	35.14	139	247	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
5148.75	69.19	-4.81	74	63.69	33.95	6.69	35.14	100	187	Peak
5150	43.49	-10.51	54	37.99	33.95	6.69	35.14	100	187	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
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
5122.65	50.69	-23.31	74	45.25	33.93	6.68	35.17	200	302	Peak
5150	38.34	-15.66	54	32.84	33.95	6.69	35.14	200	302	Average
5352.1	51.17	-22.83	74	45.12	34.15	6.83	34.93	200	302	Peak
5399.95	39.53	-14.47	54	33.35	34.2	6.86	34.88	200	302	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
5131.5	51.95	-22.05	74	46.51	33.93	6.68	35.17	112	198	Peak
5142.1	39.19	-14.81	54	33.72	33.95	6.69	35.17	112	198	Average
5399.95	54.39	-19.61	74	48.21	34.2	6.86	34.88	112	198	Peak
5399.95	43.74	-10.26	54	37.56	34.2	6.86	34.88	112	198	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5100.05	52.47	-21.53	74	47.1	33.9	6.66	35.19	111	200	Peak
5100	40.47	-13.53	54	35.1	33.9	6.66	35.19	111	200	Average
5382.7	52.19	-21.81	74	46.06	34.18	6.86	34.91	111	200	Peak
5363.8	39.47	-14.53	54	33.38	34.17	6.85	34.93	111	200	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
5130.5	50.15	-23.85	74	44.71	33.93	6.68	35.17	136	249	Peak
5150	38.32	-15.68	54	32.82	33.95	6.69	35.14	136	249	Average
5371.6	51.19	-22.81	74	45.1	34.17	6.85	34.93	136	249	Peak
5364	39.24	-14.76	54	33.15	34.17	6.85	34.93	136	249	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5351.55	65.4	-8.6	74	59.35	34.15	6.83	34.93	120	196	Peak
5350	44.02	-9.98	54	37.97	34.15	6.83	34.93	120	196	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
5350.75	60.18	-13.82	74	54.13	34.15	6.83	34.93	200	213	Peak
5350.05	40.95	-13.05	54	34.9	34.15	6.83	34.93	200	213	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5470	56.28	-12.02	68.3	49.92	34.27	6.92	34.83	174	238	Peak

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	57.82	-10.48	68.3	51.46	34.27	6.92	34.83	104	177	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	61.21	-7.09	68.3	54.23	34.66	7.17	34.85	196	295	Peak

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	62.43	-5.87	68.3	55.45	34.66	7.17	34.85	100	181	Peak

<Antenna 2> for Chain 0

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
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
5147.3	68.35	-5.65	74	62.35	34.45	6.69	35.14	100	16	Peak
5150	47.18	-6.82	54	41.18	34.45	6.69	35.14	100	16	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
5149.4	62.17	-11.83	74	56.17	34.45	6.69	35.14	127	305	Peak
5150	41.06	-12.94	54	35.06	34.45	6.69	35.14	127	305	Average

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	48	**Relative Humidity :**	40~42%
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
5128.15	53.77	-20.23	74	47.83	34.43	6.68	35.17	100	15	Peak
5135.95	41.28	-12.72	54	35.34	34.43	6.68	35.17	100	15	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
5130.6	50.82	-23.18	74	44.88	34.43	6.68	35.17	169	304	Peak
5140.45	39.07	-14.93	54	33.1	34.45	6.69	35.17	169	304	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5354.35	52.88	-21.12	74	46.33	34.65	6.83	34.93	100	15	Peak
5363.9	40.6	-13.4	54	34.01	34.67	6.85	34.93	100	15	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
5364.45	51.57	-22.43	74	44.98	34.67	6.85	34.93	184	233	Peak
5370.85	39.49	-14.51	54	32.9	34.67	6.85	34.93	184	233	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5350.7	65.34	-8.66	74	58.79	34.65	6.83	34.93	109	9	Peak
5350	47.13	-6.87	54	40.58	34.65	6.83	34.93	109	9	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
5351.35	56.26	-17.74	74	49.71	34.65	6.83	34.93	109	285	Peak
5350	41.43	-12.57	54	34.88	34.65	6.83	34.93	109	285	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5470	64.25	-4.05	68.3	57.39	34.77	6.92	34.83	104	9	Peak
5460	43.14	-10.86	54	36.3	34.75	6.92	34.83	104	9	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	55.46	-12.84	68.3	48.6	34.77	6.92	34.83	103	226	Peak
5459.84	40.14	-13.86	54	33.3	34.75	6.92	34.83	103	226	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	68.19	-0.11	68.3	60.8	35.07	7.17	34.85	101	7	Peak

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	61.42	-6.88	68.3	54.03	35.07	7.17	34.85	181	227	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
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
5147.65	68.41	-5.59	74	62.41	34.45	6.69	35.14	100	8	Peak
5150	46.88	-7.12	54	40.88	34.45	6.69	35.14	100	8	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
5148.75	59.81	-14.19	74	53.81	34.45	6.69	35.14	109	244	Peak
5150	40.58	-13.42	54	34.58	34.45	6.69	35.14	109	244	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
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
5125.1	54.17	-19.83	74	48.23	34.43	6.68	35.17	100	9	Peak
5142.35	41.29	-12.71	54	35.32	34.45	6.69	35.17	100	9	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
5145.2	51.17	-22.83	74	45.17	34.45	6.69	35.14	123	287	Peak
5147.4	38.96	-15.04	54	32.96	34.45	6.69	35.14	123	287	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5363.65	53.02	-20.98	74	46.43	34.67	6.85	34.93	110	10	Peak
5363.85	40.58	-13.42	54	33.99	34.67	6.85	34.93	110	10	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
5375.95	51.32	-22.68	74	44.71	34.67	6.85	34.91	108	284	Peak
5363.95	39.41	-14.59	54	32.82	34.67	6.85	34.93	108	284	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5353.4	66.02	-7.98	74	59.47	34.65	6.83	34.93	108	9	Peak
5350	46.34	-7.66	54	39.79	34.65	6.83	34.93	108	9	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
5350.2	57.22	-16.78	74	50.67	34.65	6.83	34.93	120	246	Peak
5350	40.96	-13.04	54	34.41	34.65	6.83	34.93	120	246	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5459.52	60.03	-13.97	74	53.19	34.75	6.92	34.83	104	9	Peak
5470	64.32	-3.98	68.3	57.46	34.77	6.92	34.83	104	9	Peak
5460	42.52	-11.48	54	35.68	34.75	6.92	34.83	104	9	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
5459.12	52.41	-21.59	74	45.57	34.75	6.92	34.83	116	279	Peak
5470	56.76	-11.54	68.3	49.9	34.77	6.92	34.83	116	279	Peak
5460	40.19	-13.81	54	33.35	34.75	6.92	34.83	116	279	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	67.88	-0.42	68.3	60.49	35.07	7.17	34.85	102	7	Peak

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	57.73	-10.57	68.3	50.34	35.07	7.17	34.85	113	225	Peak

<Antenna 2> for Chain 1

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
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
5148.1	67.5	-6.5	74	61.5	34.45	6.69	35.14	100	15	Peak
5150	46.99	-7.01	54	40.99	34.45	6.69	35.14	100	15	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
5148.25	59.07	-14.93	74	53.07	34.45	6.69	35.14	124	285	Peak
5150	40.59	-13.41	54	34.59	34.45	6.69	35.14	124	285	Average

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	48	**Relative Humidity :**	40~42%
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
5140.35	53.45	-20.55	74	47.48	34.45	6.69	35.17	111	13	Peak
5136.05	40.22	-13.78	54	34.28	34.43	6.68	35.17	111	13	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
5107.35	51.01	-22.99	74	45.12	34.42	6.66	35.19	169	250	Peak
5139.6	38.77	-15.23	54	32.81	34.45	6.68	35.17	169	250	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5365.95	52.57	-21.43	74	45.98	34.67	6.85	34.93	111	15	Peak
5363.8	40.54	-13.46	54	33.95	34.67	6.85	34.93	111	15	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
5400	51.22	-22.78	74	44.54	34.7	6.86	34.88	109	284	Peak
5383.55	39.3	-14.7	54	32.67	34.68	6.86	34.91	109	284	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5350	65.39	-8.61	74	58.84	34.65	6.83	34.93	109	10	Peak
5350	46.29	-7.71	54	39.74	34.65	6.83	34.93	109	10	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
5350.15	55.9	-18.1	74	49.35	34.65	6.83	34.93	100	360	Peak
5350	40.49	-13.51	54	33.94	34.65	6.83	34.93	100	360	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5456.48	61.46	-12.54	74	54.62	34.75	6.92	34.83	105	9	Peak
5470	62.31	-5.99	68.3	55.45	34.77	6.92	34.83	105	9	Peak
5460	42.77	-11.23	54	35.93	34.75	6.92	34.83	105	9	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
5458.88	54.6	-19.4	74	47.76	34.75	6.92	34.83	143	280	Peak
5470	54.04	-14.26	68.3	47.18	34.77	6.92	34.83	143	280	Peak
5459.84	40.11	-13.89	54	33.27	34.75	6.92	34.83	143	280	Average

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	66.5	-1.8	68.3	59.11	35.07	7.17	34.85	100	10	Peak

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	55.95	-12.35	68.3	48.56	35.07	7.17	34.85	100	278	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
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
5149.55	69.11	-4.89	74	63.11	34.45	6.69	35.14	100	16	Peak
5150	47.04	-6.96	54	41.04	34.45	6.69	35.14	100	16	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
5148.25	59.66	-14.34	74	53.66	34.45	6.69	35.14	124	247	Peak
5150	40.82	-13.18	54	34.82	34.45	6.69	35.14	124	247	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
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
5135.9	53.22	-20.78	74	47.28	34.43	6.68	35.17	111	14	Peak
5141.9	40.46	-13.54	54	34.49	34.45	6.69	35.17	111	14	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
5136.75	51.51	-22.49	74	45.57	34.43	6.68	35.17	108	285	Peak
5143.15	39.04	-14.96	54	33.07	34.45	6.69	35.17	108	285	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
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
5368.75	53.93	-20.07	74	47.34	34.67	6.85	34.93	111	15	Peak
5364.1	40.79	-13.21	54	34.2	34.67	6.85	34.93	111	15	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
5367.9	51.57	-22.43	74	44.98	34.67	6.85	34.93	108	284	Peak
5385.6	39.55	-14.45	54	32.92	34.68	6.86	34.91	108	284	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
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
5352.05	65.66	-8.34	74	59.11	34.65	6.83	34.93	109	13	Peak
5350	46.41	-7.59	54	39.86	34.65	6.83	34.93	109	13	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
5350.2	58.56	-15.44	74	52.01	34.65	6.83	34.93	106	245	Peak
5350.05	41.64	-12.36	54	35.09	34.65	6.83	34.93	106	245	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
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
5457.44	58.29	-15.71	74	51.45	34.75	6.92	34.83	106	12	Peak
5470	65.58	-2.72	68.3	58.72	34.77	6.92	34.83	106	12	Peak
5460	43.08	-10.92	54	36.24	34.75	6.92	34.83	106	12	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
5455.12	53.54	-20.46	74	46.7	34.75	6.92	34.83	102	241	Peak
5470	55.89	-12.41	68.3	49.03	34.77	6.92	34.83	102	241	Peak
5460	40.3	-13.7	54	33.46	34.75	6.92	34.83	102	241	Average

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
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	67.27	-1.03	68.3	59.88	35.07	7.17	34.85	100	11	Peak

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	58.29	-10.01	68.3	50.9	35.07	7.17	34.85	122	281	Peak

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

<Antenna 1> for Chain 0

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5180	102.19	-	-	96.62	33.98	6.71	35.12	100	175	Average
5180	113.07	-	-	107.5	33.98	6.71	35.12	100	175	Peak

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10360 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	96.74	-	-	91.17	33.98	6.71	35.12	190	210	Average
5180	107.99	-	-	102.42	33.98	6.71	35.12	190	210	Peak
10360	57.39	-10.91	68.3	66.09	37.25	9.71	55.66	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5220	101.95	-	-	96.28	34.02	6.74	35.09	100	183	Average
5220	113.5	-	-	107.83	34.02	6.74	35.09	100	183	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	96.82	-	-	91.15	34.02	6.74	35.09	189	210	Average
5220	108.21	-	-	102.54	34.02	6.74	35.09	189	210	Peak
10440	52.02	-16.28	68.3	60.65	37.27	9.75	55.65	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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	101.22	-	-	95.49	34.03	6.76	35.06	100	182	Average
5240	111.79	-	-	106.06	34.03	6.76	35.06	100	182	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10480 MHz is not within a restricted band.		

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	96.54	-	-	90.81	34.03	6.76	35.06	200	206	Average
5240	107.05	-	-	101.32	34.03	6.76	35.06	200	206	Peak
10480	49.21	-19.09	68.3	57.77	37.29	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5260	100.89	-	-	95.08	34.07	6.78	35.04	100	184	Average
5260	112.19	-	-	106.38	34.07	6.78	35.04	100	184	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10520 MHz is not within a restricted band.		

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
5260	96.18	-	-	90.37	34.07	6.78	35.04	190	210	Average
5260	107.28	-	-	101.47	34.07	6.78	35.04	190	210	Peak
10520	48.91	-19.39	68.3	57.42	37.31	9.81	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5300	101.25	-	-	95.33	34.1	6.8	34.98	109	174	Average
5300	112.69	-	-	106.77	34.1	6.8	34.98	109	174	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	96.82	-	-	90.9	34.1	6.8	34.98	200	210	Average
5300	108.31	-	-	102.39	34.1	6.8	34.98	200	210	Peak
10600	48.77	-25.23	74	57.14	37.38	9.85	55.6	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5320	101.1	-	-	95.15	34.12	6.81	34.98	112	173	Average
5320	112.69	-	-	106.74	34.12	6.81	34.98	112	173	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5320 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
5320	97.1	-	-	91.15	34.12	6.81	34.98	188	210	Average
5320	108.14	-	-	102.19	34.12	6.81	34.98	188	210	Peak
10640	47.56	-26.44	74	55.86	37.41	9.88	55.59	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	99.54	-	-	93.09	34.3	6.95	34.8	107	194	Average
5500	110.35	-	-	103.9	34.3	6.95	34.8	107	194	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	96.38	-	-	89.93	34.3	6.95	34.8	101	195	Average
5500	107.47	-	-	101.02	34.3	6.95	34.8	101	195	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	98.44	-	-	91.83	34.41	7.02	34.82	104	176	Average
5580	109.68	-	-	103.07	34.41	7.02	34.82	104	176	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	94.79	-	-	88.18	34.41	7.02	34.82	122	196	Average
5580	106.15	-	-	99.54	34.41	7.02	34.82	122	196	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5700	99.62	-	-	92.71	34.6	7.15	34.84	102	177	Average
5700	110.76	-	-	103.85	34.6	7.15	34.84	102	177	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5700	96.37	-	-	89.46	34.6	7.15	34.84	100	261	Average
5700	108.04	-	-	101.13	34.6	7.15	34.84	100	261	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5180	101.03	-	-	95.46	33.98	6.71	35.12	100	173	Average
5180	112.08	-	-	106.51	33.98	6.71	35.12	100	173	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10360 MHz is not within a restricted band.		

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
5180	95.51	-	-	89.94	33.98	6.71	35.12	110	198	Average
5180	106.66	-	-	101.09	33.98	6.71	35.12	110	198	Peak
10360	51.16	-17.14	68.3	59.86	37.25	9.71	55.66	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5220	101.13	-	-	95.46	34.02	6.74	35.09	100	182	Average
5220	112.6	-	-	106.93	34.02	6.74	35.09	100	182	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	95.42	-	-	89.75	34.02	6.74	35.09	188	207	Average
5220	106.71	-	-	101.04	34.02	6.74	35.09	188	207	Peak
10440	49.34	-18.96	68.3	57.97	37.27	9.75	55.65	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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	100.27	-	-	94.54	34.03	6.76	35.06	100	187	Average
5240	111.12	-	-	105.39	34.03	6.76	35.06	100	187	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10480 MHz is not within a restricted band.		

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	95.98	-	-	90.25	34.03	6.76	35.06	186	210	Average
5240	106.26	-	-	100.53	34.03	6.76	35.06	186	210	Peak
10480	49.06	-19.24	68.3	57.62	37.29	9.78	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5260	99.74	-	-	93.93	34.07	6.78	35.04	100	181	Average
5260	111.46	-	-	105.65	34.07	6.78	35.04	100	181	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10520 MHz is not within a restricted band.		

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
5260	96.02	-	-	90.21	34.07	6.78	35.04	200	209	Average
5260	107.42	-	-	101.61	34.07	6.78	35.04	200	209	Peak
10520	49.04	-19.26	68.3	57.55	37.31	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5300	100.12	-	-	94.2	34.1	6.8	34.98	110	172	Average
5300	111.6	-	-	105.68	34.1	6.8	34.98	110	172	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	95.38	-	-	89.46	34.1	6.8	34.98	186	209	Average
5300	106.88	-	-	100.96	34.1	6.8	34.98	186	209	Peak
10600	48.64	-25.36	74	57.01	37.38	9.85	55.6	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5320	100.28	-	-	94.33	34.12	6.81	34.98	109	173	Average
5320	112.35	-	-	106.4	34.12	6.81	34.98	109	173	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5320	95.85	-	-	89.9	34.12	6.81	34.98	184	211	Average
5320	107.49	-	-	101.54	34.12	6.81	34.98	184	211	Peak
10640	47.14	-26.86	74	55.44	37.41	9.88	55.59	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	98.76	-	-	92.31	34.3	6.95	34.8	107	173	Average
5500	110.05	-	-	103.6	34.3	6.95	34.8	107	173	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	95.19	-	-	88.74	34.3	6.95	34.8	100	193	Average
5500	107.31	-	-	100.86	34.3	6.95	34.8	100	193	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	98.26	-	-	91.65	34.41	7.02	34.82	103	175	Average
5580	110.18	-	-	103.57	34.41	7.02	34.82	103	175	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	95.04	-	-	88.43	34.41	7.02	34.82	198	248	Average
5580	106.36	-	-	99.75	34.41	7.02	34.82	198	248	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
133.14	36.33	-7.17	43.5	55	11.4	1.24	31.31	100	184	Peak
135.84	35.05	-8.45	43.5	53.71	11.38	1.25	31.29	-	-	Peak
154.74	33.45	-10.05	43.5	52.48	10.9	1.31	31.24	-	-	Peak
407.8	36.3	-9.7	46	49.2	16.22	2.03	31.15	-	-	Peak
467.3	35.72	-10.28	46	46.89	17.55	2.17	30.89	-	-	Peak
515.6	36.91	-9.09	46	47.12	18.26	2.26	30.73	-	-	Peak
5700	98.53	-	-	91.62	34.6	7.15	34.84	102	176	Average
5700	109.94	-	-	103.03	34.6	7.15	34.84	102	176	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
42.42	29.26	-10.74	40	48.5	11.56	0.76	31.56	100	335	Peak
68.07	28.1	-11.9	40	52.59	6.14	0.9	31.53	-	-	Peak
133.14	30.8	-12.7	43.5	49.47	11.4	1.24	31.31	-	-	Peak
395.9	32.13	-13.87	46	45.49	15.8	2	31.16	-	-	Peak
564.6	30.44	-15.56	46	38.83	20.12	2.36	30.87	-	-	Peak
634.6	26.91	-19.09	46	33.97	20.6	2.54	30.2	-	-	Peak
5700	95.08	-	-	88.17	34.6	7.15	34.84	100	261	Average
5700	106.51	-	-	99.6	34.6	7.15	34.84	100	261	Peak

<Antenna 1> for Chain 1

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10360 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	100.91	-	-	95.34	33.98	6.71	35.12	100	183	Average
5180	112.32	-	-	106.75	33.98	6.71	35.12	100	183	Peak
10360	49.92	-18.38	68.3	58.62	37.25	9.71	55.66	100	0	Peak

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10360 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	95.37	-	-	89.8	33.98	6.71	35.12	188	245	Average
5180	105.88	-	-	100.31	33.98	6.71	35.12	188	245	Peak
10360	49.54	-18.76	68.3	58.24	37.25	9.71	55.66	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	101.24	-	-	95.57	34.02	6.74	35.09	100	183	Average
5220	112.69	-	-	107.02	34.02	6.74	35.09	100	183	Peak
10440	47.12	-21.18	68.3	55.75	37.27	9.75	55.65	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	94.35	-	-	88.68	34.02	6.74	35.09	109	273	Average
5220	105.38	-	-	99.71	34.02	6.74	35.09	109	273	Peak
10440	50.06	-18.24	68.3	58.69	37.27	9.75	55.65	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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	100.57	-	-	94.84	34.03	6.76	35.06	100	184	Average
5240	111.9	-	-	106.17	34.03	6.76	35.06	100	184	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10480 MHz is not within a restricted band.		

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	94.99	-	-	89.26	34.03	6.76	35.06	116	246	Average
5240	105.59	-	-	99.86	34.03	6.76	35.06	116	246	Peak
10480	50.38	-17.92	68.3	58.94	37.29	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5260	100.39	-	-	94.58	34.07	6.78	35.04	100	187	Average
5260	111.09	-	-	105.28	34.07	6.78	35.04	100	187	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10520 MHz is not within a restricted band.		

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
5260	95.26	-	-	89.45	34.07	6.78	35.04	200	245	Average
5260	106.65	-	-	100.84	34.07	6.78	35.04	200	245	Peak
10520	48.44	-19.86	68.3	56.95	37.31	9.81	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5300	99.93	-	-	94.01	34.1	6.8	34.98	109	183	Average
5300	111.67	-	-	105.75	34.1	6.8	34.98	109	183	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	94.41	-	-	88.49	34.1	6.8	34.98	200	214	Average
5300	105.99	-	-	100.1	34.1	6.8	35.01	200	214	Peak
10600	50.25	-23.75	74	58.62	37.38	9.85	55.6	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5320	99.59	-	-	93.64	34.12	6.81	34.98	100	193	Average
5320	110.95	-	-	105	34.12	6.81	34.98	100	193	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5320 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
5320	95.83	-	-	89.88	34.12	6.81	34.98	200	228	Average
5320	106.83	-	-	100.88	34.12	6.81	34.98	200	228	Peak
10640	47.08	-26.92	74	55.38	37.41	9.88	55.59	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	99.31	-	-	92.86	34.3	6.95	34.8	105	178	Average
5500	110.86	-	-	104.41	34.3	6.95	34.8	105	178	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	95.34	-	-	88.89	34.3	6.95	34.8	112	206	Average
5500	107.12	-	-	100.67	34.3	6.95	34.8	112	206	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	99.07	-	-	92.46	34.41	7.02	34.82	104	196	Average
5580	110.45	-	-	103.81	34.44	7.02	34.82	104	196	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	93.95	-	-	87.34	34.41	7.02	34.82	200	216	Average
5580	105.37	-	-	98.73	34.44	7.02	34.82	200	216	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
99.66	37.57	-5.93	43.5	58.02	9.9	1.09	31.44	100	57	Peak
133.14	36.32	-7.18	43.5	54.99	11.4	1.24	31.31	-	-	Peak
159.87	33.11	-10.39	43.5	52.48	10.5	1.35	31.22	-	-	Peak
335.7	33.09	-12.91	46	48.35	13.96	1.87	31.09	-	-	Peak
365.1	37.01	-8.99	46	51.39	14.74	1.93	31.05	-	-	Peak
503.7	33.71	-12.29	46	43.96	18.13	2.24	30.62	-	-	Peak
5700	99.14	-	-	92.23	34.6	7.15	34.84	100	181	Average
5700	110.79	-	-	103.85	34.63	7.15	34.84	100	181	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
42.42	31.86	-8.14	40	51.1	11.56	0.76	31.56	-	-	Peak
82.92	33.87	-6.13	40	56.29	7.94	1.02	31.38	100	84	Peak
132.6	31	-12.5	43.5	49.67	11.4	1.24	31.31	-	-	Peak
348.3	31.65	-14.35	46	46.44	14.42	1.9	31.11	-	-	Peak
482.7	29.49	-16.51	46	40.22	17.76	2.2	30.69	-	-	Peak
645.1	26.6	-19.4	46	33.72	20.45	2.57	30.14	-	-	Peak
5700	94.68	-	-	87.77	34.6	7.15	34.84	196	294	Average
5700	106	-	-	99.09	34.6	7.15	34.84	196	294	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5180	98.68	-	-	93.11	33.98	6.71	35.12	100	187	Average
5180	111.15	-	-	105.58	33.98	6.71	35.12	100	187	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10360 MHz is not within a restricted band.		

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
5180	93.17	-	-	87.6	33.98	6.71	35.12	139	247	Average
5180	105.72	-	-	100.15	33.98	6.71	35.12	139	247	Peak
10360	48.82	-19.48	68.3	57.52	37.25	9.71	55.66	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5220	98.08	-	-	92.41	34.02	6.74	35.09	100	187	Average
5220	109.72	-	-	104.05	34.02	6.74	35.09	100	187	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	93.12	-	-	87.45	34.02	6.74	35.09	200	300	Average
5220	104.39	-	-	98.72	34.02	6.74	35.09	200	300	Peak
10440	49.91	-18.39	68.3	58.54	37.27	9.75	55.65	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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	98.22	-	-	92.49	34.03	6.76	35.06	112	198	Average
5240	109.73	-	-	104	34.03	6.76	35.06	112	198	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10480 MHz is not within a restricted band.		

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	93.65	-	-	87.92	34.03	6.76	35.06	200	302	Average
5240	104.87	-	-	99.14	34.03	6.76	35.06	200	302	Peak
10480	49.33	-18.97	68.3	57.9	37.29	9.78	55.64	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5260	98.02	-	-	92.21	34.07	6.78	35.04	111	200	Average
5260	109.63	-	-	103.82	34.07	6.78	35.04	111	200	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10520 MHz is not within a restricted band.		

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
5260	93.67	-	-	87.86	34.07	6.78	35.04	136	249	Average
5260	105.45	-	-	99.68	34.05	6.76	35.04	136	249	Peak
10520	48.91	-19.39	68.3	57.42	37.31	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5300	97.9	-	-	91.98	34.1	6.8	34.98	122	194	Average
5300	109.31	-	-	103.39	34.1	6.8	34.98	122	194	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	93.46	-	-	87.54	34.1	6.8	34.98	135	248	Average
5300	104.72	-	-	98.8	34.1	6.8	34.98	135	248	Peak
10600	49.62	-24.38	74	57.99	37.38	9.85	55.6	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5320	98.17	-	-	92.22	34.12	6.81	34.98	120	196	Average
5320	110.05	-	-	104.1	34.12	6.81	34.98	120	196	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5320 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
5320	93.1	-	-	87.15	34.12	6.81	34.98	200	213	Average
5320	104.98	-	-	99.03	34.12	6.81	34.98	200	213	Peak
10640	48.5	-25.5	74	56.8	37.41	9.88	55.59	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	98.03	-	-	91.58	34.3	6.95	34.8	104	177	Average
5500	110.43	-	-	104	34.3	6.93	34.8	104	177	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5500	95.3	-	-	88.85	34.3	6.95	34.8	174	238	Average
5500	106.75	-	-	100.3	34.3	6.95	34.8	174	238	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	97.77	-	-	91.16	34.41	7.02	34.82	103	197	Average
5580	109.66	-	-	103.05	34.41	7.02	34.82	103	197	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5580	93.95	-	-	87.34	34.41	7.02	34.82	199	208	Average
5580	105.66	-	-	99.05	34.41	7.02	34.82	199	208	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5700	98.02	-	-	91.11	34.6	7.15	34.84	100	181	Average
5700	110	-	-	103.09	34.6	7.15	34.84	100	181	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 MHz is fundamental signal which can be ignored. 2. All other emission found more than 20dB below limit line is not reported.		

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
5700	93.67	-	-	86.76	34.6	7.15	34.84	196	295	Average
5700	105.54	-	-	98.63	34.6	7.15	34.84	196	295	Peak

<Antenna 2> for Chain 0

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10362 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	102.42	-	-	96.35	34.48	6.71	35.12	100	16	Average
5180	113.38	-	-	107.31	34.48	6.71	35.12	100	16	Peak
10362	45.55	-22.75	68.3	53.78	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10356 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	92.5	-	-	86.43	34.48	6.71	35.12	127	305	Average
5180	103.61	-	-	97.54	34.48	6.71	35.12	127	305	Peak
10356	53.26	-15.04	68.3	61.51	37.71	9.71	55.67	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10443 MHz is not within a restricted band.		

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
5220	101.55	-	-	95.38	34.52	6.74	35.09	100	16	Average
5220	112.9	-	-	106.73	34.52	6.74	35.09	100	16	Peak
10443	46.58	-21.72	68.3	54.72	37.76	9.75	55.65	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10446 MHz is not within a restricted band.		

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
5220	92.9	-	-	86.73	34.52	6.74	35.09	106	240	Average
5220	103.93	-	-	97.76	34.52	6.74	35.09	106	240	Peak
10446	52.04	-16.26	68.3	60.15	37.77	9.76	55.64	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
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.		

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	101.36	-	-	95.13	34.53	6.76	35.06	100	15	Average
5240	112.3	-	-	106.07	34.53	6.76	35.06	100	15	Peak
10479	46.17	-22.13	68.3	54.23	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band.		

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	91.92	-	-	85.69	34.53	6.76	35.06	169	304	Average
5240	102.62	-	-	96.39	34.53	6.76	35.06	169	304	Peak
10479	53.62	-14.68	68.3	61.68	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10518 MHz is not within a restricted band.		

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
5260	100.83	-	-	94.56	34.55	6.76	35.04	100	15	Average
5260	112.11	-	-	105.84	34.55	6.76	35.04	100	15	Peak
10518	46.86	-21.44	68.3	54.87	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10515 MHz is not within a restricted band.		

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
5260	92.12	-	-	85.85	34.55	6.76	35.04	184	233	Average
5260	102.86	-	-	96.59	34.55	6.76	35.04	184	233	Peak
10515	52.22	-16.08	68.3	60.25	37.81	9.79	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 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
5300	100.04	-	-	93.62	34.6	6.8	34.98	100	14	Average
5300	110.88	-	-	104.46	34.6	6.8	34.98	100	14	Peak
10602	45.89	-28.11	74	53.8	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	91.86	-	-	85.44	34.6	6.8	34.98	148	275	Average
5300	103.24	-	-	96.82	34.6	6.8	34.98	148	275	Peak
10605	50.57	-23.43	74	58.48	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 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
5320	101.7	-	-	95.25	34.62	6.81	34.98	109	9	Average
5320	113.36	-	-	106.91	34.62	6.81	34.98	109	9	Peak
10644	47.38	-26.62	74	55.23	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5320 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
5320	93.22	-	-	86.77	34.62	6.81	34.98	109	285	Average
5320	104.41	-	-	97.96	34.62	6.81	34.98	109	285	Peak
10641	49.57	-24.43	74	57.42	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 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
5500	102.15	-	-	95.2	34.8	6.95	34.8	104	9	Average
5500	113.63	-	-	106.7	34.8	6.93	34.8	104	9	Peak
10998	46.53	-27.47	74	53.91	38	10.11	55.49	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 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
5500	92.83	-	-	85.88	34.8	6.95	34.8	103	226	Average
5500	104.15	-	-	97.21	34.8	6.95	34.81	103	226	Peak
11004	47.36	-26.64	74	54.74	38	10.11	55.49	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 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
5580	101.95	-	-	94.87	34.88	7.02	34.82	103	7	Average
5580	113.52	-	-	106.42	34.9	7.02	34.82	103	7	Peak
11160	46.78	-27.22	74	53.84	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 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
5580	94	-	-	86.92	34.88	7.02	34.82	114	280	Average
5580	105.57	-	-	98.49	34.88	7.02	34.82	114	280	Peak
11163	48.46	-25.54	74	55.52	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 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
30	31.95	-8.05	40	43.09	19.8	0.7	31.64	100	43	Peak
138.54	34.39	-9.11	43.5	53.09	11.32	1.26	31.28	-	-	Peak
145.29	32.04	-11.46	43.5	50.93	11.1	1.27	31.26	-	-	Peak
331.5	35.12	-10.88	46	50.44	13.85	1.86	31.03	-	-	Peak
381.2	37.44	-8.56	46	51.25	15.23	1.97	31.01	-	-	Peak
799.8	28.78	-17.22	46	33.66	22.1	2.83	29.81	-	-	Peak
5700	101.04	-	-	93.7	35.03	7.15	34.84	101	7	Average
5700	112.44	-	-	105.1	35.03	7.15	34.84	101	7	Peak
11400	45.88	-28.12	74	52.51	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 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
66.45	26.42	-13.58	40	51	6.06	0.89	31.53	-	-	Peak
133.14	31.11	-12.39	43.5	49.78	11.4	1.24	31.31	100	351	Peak
153.12	29.2	-14.3	43.5	48.13	11.02	1.29	31.24	-	-	Peak
335.7	27.07	-18.93	46	42.33	13.96	1.87	31.09	-	-	Peak
468	31.06	-14.94	46	42.22	17.56	2.17	30.89	-	-	Peak
746.6	29.4	-16.6	46	34.48	22.37	2.74	30.19	-	-	Peak
5700	92.95	-	-	85.61	35.03	7.15	34.84	181	227	Average
5700	104.15	-	-	96.81	35.03	7.15	34.84	181	227	Peak
11403	47	-27	74	53.63	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band.		

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
5180	101.48	-	-	95.41	34.48	6.71	35.12	100	8	Average
5180	112.95	-	-	106.88	34.48	6.71	35.12	100	8	Peak
10359	44.82	-23.48	68.3	53.05	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10356 MHz is not within a restricted band.		

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
5180	91.57	-	-	85.5	34.48	6.71	35.12	109	244	Average
5180	102.91	-	-	96.84	34.48	6.71	35.12	109	244	Peak
10356	51.48	-16.82	68.3	59.73	37.71	9.71	55.67	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10446 MHz is not within a restricted band.		

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
5220	100.81	-	-	94.64	34.52	6.74	35.09	100	9	Average
5220	112.42	-	-	106.25	34.52	6.74	35.09	100	9	Peak
10446	47.78	-20.52	68.3	55.89	37.77	9.76	55.64	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10443 MHz is not within a restricted band.		

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
5220	91.42	-	-	85.25	34.52	6.74	35.09	109	243	Average
5220	102.54	-	-	96.37	34.52	6.74	35.09	109	243	Peak
10443	51.8	-16.5	68.3	59.94	37.76	9.75	55.65	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10482 MHz is not within a restricted band.		

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	100.41	-	-	94.18	34.53	6.76	35.06	100	9	Average
5240	112.77	-	-	106.54	34.53	6.76	35.06	100	9	Peak
10482	46.16	-22.14	68.3	54.22	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10482 MHz is not within a restricted band.		

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	90.44	-	-	84.21	34.53	6.76	35.06	123	287	Average
5240	102.38	-	-	96.15	34.53	6.76	35.06	123	287	Peak
10482	49.95	-18.35	68.3	58.01	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10518 MHz is not within a restricted band.		

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
5260	100.27	-	-	93.96	34.57	6.78	35.04	110	10	Average
5260	112.58	-	-	106.27	34.57	6.78	35.04	110	10	Peak
10518	47.61	-20.69	68.3	55.62	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band.		

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
5260	91.58	-	-	85.27	34.57	6.78	35.04	108	284	Average
5260	102.62	-	-	96.31	34.57	6.78	35.04	108	284	Peak
10521	53.32	-14.98	68.3	61.33	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 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
5300	100.32	-	-	93.9	34.6	6.8	34.98	110	9	Average
5300	111.88	-	-	105.46	34.6	6.8	34.98	110	9	Peak
10602	47.1	-26.9	74	55.01	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	91.94	-	-	85.52	34.6	6.8	34.98	106	284	Average
5300	102.95	-	-	96.53	34.6	6.8	34.98	106	284	Peak
10602	48.92	-25.08	74	56.83	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 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
5320	100.38	-	-	93.93	34.62	6.81	34.98	108	9	Average
5320	111.81	-	-	105.36	34.62	6.81	34.98	108	9	Peak
10644	45.99	-28.01	74	53.84	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5320 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
5320	91.81	-	-	85.36	34.62	6.81	34.98	120	246	Average
5320	103.76	-	-	97.31	34.62	6.81	34.98	120	246	Peak
10641	49.59	-24.41	74	57.44	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 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
5500	100.75	-	-	93.8	34.8	6.95	34.8	104	9	Average
5500	112.2	-	-	105.27	34.8	6.93	34.8	104	9	Peak
10998	45.67	-28.33	74	53.05	38	10.11	55.49	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 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
5500	92.02	-	-	85.07	34.8	6.95	34.8	116	279	Average
5500	103.64	-	-	96.71	34.8	6.93	34.8	116	279	Peak
11004	49.79	-24.21	74	57.17	38	10.11	55.49	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 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
5580	100.73	-	-	93.65	34.88	7.02	34.82	104	7	Average
5580	112.31	-	-	105.23	34.88	7.02	34.82	104	7	Peak
11160	45.42	-28.58	74	52.48	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 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
5580	92.89	-	-	85.81	34.88	7.02	34.82	114	279	Average
5580	104.28	-	-	97.2	34.88	7.02	34.82	114	279	Peak
11160	46.98	-27.02	74	54.04	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 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
5700	99.83	-	-	92.49	35.03	7.15	34.84	102	7	Average
5700	110.97	-	-	103.63	35.03	7.15	34.84	102	7	Peak
11403	46.32	-27.68	74	52.95	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 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
5700	92.12	-	-	84.78	35.03	7.15	34.84	113	225	Average
5700	103.6	-	-	96.26	35.03	7.15	34.84	113	225	Peak
11400	46.64	-27.36	74	53.27	38.4	10.23	55.26	100	0	Peak

<Antenna 2> for Chain 1

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	101.58	-	-	95.51	34.48	6.71	35.12	100	15	Average
5180	113.25	-	-	107.18	34.48	6.71	35.12	100	15	Peak
10359	48	-20.3	68.3	56.23	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11a	**Temperature :**	20~22°C
Test Channel :	36	**Relative Humidity :**	40~42%
Test Engineer :	David Ke	**Polarization :**	Vertical
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10362 MHz is not within a restricted band, and its limit line is 68.3dBuV/m.		

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
5180	91.86	-	-	85.79	34.48	6.71	35.12	124	285	Average
5180	103.13	-	-	97.06	34.48	6.71	35.12	124	285	Peak
10362	51.37	-16.93	68.3	59.6	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	100.55	-	-	94.38	34.52	6.74	35.09	112	16	Average
5220	111.82	-	-	105.65	34.52	6.74	35.09	112	16	Peak
10440	47.28	-21.02	68.3	55.42	37.76	9.75	55.65	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10446 MHz is not within a restricted band.		

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
5220	92.43	-	-	86.26	34.52	6.74	35.09	110	283	Average
5220	103.4	-	-	97.23	34.52	6.74	35.09	110	283	Peak
10446	54.29	-14.01	68.3	62.4	37.77	9.76	55.64	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10482 MHz is not within a restricted band.		

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	100.11	-	-	93.88	34.53	6.76	35.06	111	13	Average
5240	111.38	-	-	105.15	34.53	6.76	35.06	111	13	Peak
10482	49.23	-19.07	68.3	57.29	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10485 MHz is not within a restricted band.		

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	92.07	-	-	85.84	34.53	6.76	35.06	169	250	Average
5240	102.98	-	-	96.75	34.53	6.76	35.06	169	250	Peak
10485	53.02	-15.28	68.3	61.08	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10518 MHz is not within a restricted band.		

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
5260	100.13	-	-	93.82	34.57	6.78	35.04	111	15	Average
5260	111.54	-	-	105.23	34.57	6.78	35.04	111	15	Peak
10518	47.61	-20.69	68.3	55.62	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10524 MHz is not within a restricted band.		

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
5260	92.63	-	-	86.32	34.57	6.78	35.04	109	284	Average
5260	103.9	-	-	97.63	34.55	6.76	35.04	109	284	Peak
10524	54.51	-13.79	68.3	62.52	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5300 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
5300	100.25	-	-	93.83	34.6	6.8	34.98	109	10	Average
5300	111.8	-	-	105.38	34.6	6.8	34.98	109	10	Peak
10602	46.25	-27.75	74	54.16	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	5300 MHz is fundamental signal which can be ignored.		

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
5300	92.14	-	-	85.72	34.6	6.8	34.98	118	246	Average
5300	103.73	-	-	97.31	34.6	6.8	34.98	118	246	Peak
10600	42.41	-11.59	54	50.32	37.84	9.85	55.6	120	284	Average
10600	53.24	-20.76	74	61.15	37.84	9.85	55.6	120	284	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 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
5320	100.73	-	-	94.28	34.62	6.81	34.98	109	10	Average
5320	112.22	-	-	105.77	34.62	6.81	34.98	109	10	Peak
10644	46.68	-27.32	74	54.53	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	5320 MHz is fundamental signal which can be ignored.		

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
5320	91.7	-	-	85.25	34.62	6.81	34.98	100	360	Average
5320	103.28	-	-	96.83	34.62	6.81	34.98	100	360	Peak
10641	42.2	-11.8	54	50.05	37.86	9.88	55.59	119	290	Average
10641	52.56	-21.44	74	60.41	37.86	9.88	55.59	119	290	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 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
5500	101.32	-	-	94.37	34.8	6.95	34.8	105	9	Average
5500	112.79	-	-	105.86	34.8	6.93	34.8	105	9	Peak
10998	46.68	-27.32	74	54.06	38	10.11	55.49	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	5500 MHz is fundamental signal which can be ignored.		

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
5500	92.98	-	-	86.03	34.8	6.95	34.8	143	280	Average
5500	104.34	-	-	97.39	34.8	6.95	34.8	143	280	Peak
11001	42.37	-11.63	54	49.75	38	10.11	55.49	109	263	Average
11001	51.84	-22.16	74	59.22	38	10.11	55.49	109	263	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 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
5580	102.75	-	-	95.67	34.88	7.02	34.82	103	11	Average
5580	114.62	-	-	107.52	34.9	7.02	34.82	103	11	Peak
11163	47.01	-26.99	74	54.07	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	5580 MHz is fundamental signal which can be ignored.		

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
5580	95.12	-	-	88.04	34.88	7.02	34.82	114	287	Average
5580	106.3	-	-	99.22	34.88	7.02	34.82	114	287	Peak
11163	41.75	-12.25	54	48.81	38.17	10.16	55.39	115	279	Average
11163	51.45	-22.55	74	58.51	38.17	10.16	55.39	115	279	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 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
5700	101.4	-	-	94.06	35.03	7.15	34.84	100	10	Average
5700	113.17	-	-	105.83	35.03	7.15	34.84	100	10	Peak
11397	45.41	-28.59	74	52.04	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11a	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 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
5700	93.03	-	-	85.69	35.03	7.15	34.84	100	278	Average
5700	104.89	-	-	97.55	35.03	7.15	34.84	100	278	Peak
11400	48.02	-25.98	74	54.65	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5180 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band.		

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
5180	101.46	-	-	95.39	34.48	6.71	35.12	100	16	Average
5180	112.89	-	-	106.82	34.48	6.71	35.12	100	16	Peak
10359	46.42	-21.88	68.3	54.65	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	36	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	3. 5180 MHz is fundamental signal which can be ignored. 4. 10359 MHz is not within a restricted band.		

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
5180	91.35	-	-	85.28	34.48	6.71	35.12	124	247	Average
5180	102.8	-	-	96.73	34.48	6.71	35.12	124	247	Peak
10359	51.65	-16.65	68.3	59.88	37.72	9.71	55.66	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10443 MHz is not within a restricted band.		

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
5220	100.66	-	-	94.49	34.52	6.74	35.09	100	13	Average
5220	112.58	-	-	106.41	34.52	6.74	35.09	100	13	Peak
10443	46.29	-22.01	68.3	54.43	37.76	9.75	55.65	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	44	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5220 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band.		

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
5220	92.03	-	-	85.86	34.52	6.74	35.09	122	248	Average
5220	103.08	-	-	96.91	34.52	6.74	35.09	122	248	Peak
10440	51.88	-16.42	68.3	60.02	37.76	9.75	55.65	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10485 MHz is not within a restricted band.		

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	101.62	-	-	95.39	34.53	6.76	35.06	111	14	Average
5240	112.3	-	-	106.07	34.53	6.76	35.06	111	14	Peak
10485	47.6	-20.7	68.3	55.66	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	48	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5240 MHz is fundamental signal which can be ignored. 2. 10482 MHz is not within a restricted band.		

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	92.32	-	-	86.09	34.53	6.76	35.06	108	285	Average
5240	103.27	-	-	97.04	34.53	6.76	35.06	108	285	Peak
10482	53.83	-14.47	68.3	61.89	37.79	9.78	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band.		

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
5260	101.47	-	-	95.16	34.57	6.78	35.04	111	15	Average
5260	113.62	-	-	107.35	34.55	6.76	35.04	111	15	Peak
10521	46.98	-21.32	68.3	54.99	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	52	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5260 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band.		

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
5260	92.28	-	-	85.97	34.57	6.78	35.04	108	284	Average
5260	103.54	-	-	97.23	34.57	6.78	35.04	108	284	Peak
10521	52.03	-16.27	68.3	60.04	37.81	9.81	55.63	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	3. 5300 MHz is fundamental signal which can be ignored. 4. 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
5300	100.22	-	-	93.8	34.6	6.8	34.98	110	14	Average
5300	112.84	-	-	106.42	34.6	6.8	34.98	110	14	Peak
10602	45.23	-28.77	74	53.14	37.84	9.85	55.6	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	60	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5300 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
5300	92.17	-	-	85.75	34.6	6.8	34.98	106	244	Average
5300	103.47	-	-	97.05	34.6	6.8	34.98	106	244	Peak
10600	50.6	-23.4	74	58.53	37.83	9.85	55.61	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5320 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
5320	100.41	-	-	93.96	34.62	6.81	34.98	109	13	Average
5320	112.24	-	-	105.79	34.62	6.81	34.98	109	13	Peak
10644	46.36	-27.64	74	54.21	37.86	9.88	55.59	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	64	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	5320 MHz is fundamental signal which can be ignored.		

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
5320	93.01	-	-	86.56	34.62	6.81	34.98	106	245	Average
5320	104.23	-	-	97.78	34.62	6.81	34.98	106	245	Peak
10641	40.88	-13.12	54	48.73	37.86	9.88	55.59	118	289	Average
10641	51.43	-22.57	74	59.28	37.86	9.88	55.59	118	289	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5500 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
5500	101.22	-	-	94.27	34.8	6.95	34.8	106	12	Average
5500	112.73	-	-	105.8	34.8	6.93	34.8	106	12	Peak
11004	47.3	-26.7	74	54.68	38	10.11	55.49	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	100	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5500 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
5500	93.05	-	-	86.1	34.8	6.95	34.8	102	241	Average
5500	104.43	-	-	97.5	34.8	6.93	34.8	102	241	Peak
11004	49.53	-24.47	74	56.91	38	10.11	55.49	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5580 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
5580	101.04	-	-	93.96	34.88	7.02	34.82	104	12	Average
5580	113.91	-	-	106.83	34.88	7.02	34.82	104	12	Peak
11160	46.24	-27.76	74	53.3	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	116	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5580 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
5580	93.68	-	-	86.6	34.88	7.02	34.82	115	286	Average
5580	105.11	-	-	98.03	34.88	7.02	34.82	115	286	Peak
11163	49.43	-24.57	74	56.49	38.17	10.16	55.39	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Horizontal
Remark :	1. 5700 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
132.6	35.08	-8.42	43.5	53.75	11.4	1.24	31.31	-	-	Peak
143.94	36.06	-7.44	43.5	54.88	11.17	1.27	31.26	100	228	Peak
159.06	32.25	-11.25	43.5	51.55	10.58	1.34	31.22	-	-	Peak
456.1	36.83	-9.17	46	48.35	17.32	2.15	30.99	-	-	Peak
468	35.78	-10.22	46	46.94	17.56	2.17	30.89	-	-	Peak
527.5	33.96	-12.04	46	44.14	18.38	2.28	30.84	-	-	Peak
5700	100.86	-	-	93.52	35.03	7.15	34.84	100	11	Average
5700	112.47	-	-	105.11	35.05	7.15	34.84	100	11	Peak
11400	45.72	-28.28	74	52.35	38.4	10.23	55.26	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	20~22°C
Test Channel :	140	Relative Humidity :	40~42%
Test Engineer :	David Ke	Polarization :	Vertical
Remark :	1. 5700 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
30	35.5	-4.5	40	46.64	19.8	0.7	31.64	100	194	Peak
68.61	29.22	-10.78	40	53.62	6.22	0.9	31.52	-	-	Peak
133.14	30.77	-12.73	43.5	49.44	11.4	1.24	31.31	-	-	Peak
365.1	30.62	-15.38	46	45	14.74	1.93	31.05	-	-	Peak
468	31.18	-14.82	46	42.34	17.56	2.17	30.89	-	-	Peak
552	30.66	-15.34	46	39.45	19.9	2.33	31.02	-	-	Peak
5700	92.15	-	-	84.81	35.03	7.15	34.84	122	281	Average
5700	103.55	-	-	96.21	35.03	7.15	34.84	122	281	Peak
11403	47.31	-26.69	74	53.94	38.4	10.23	55.26	100	0	Peak

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

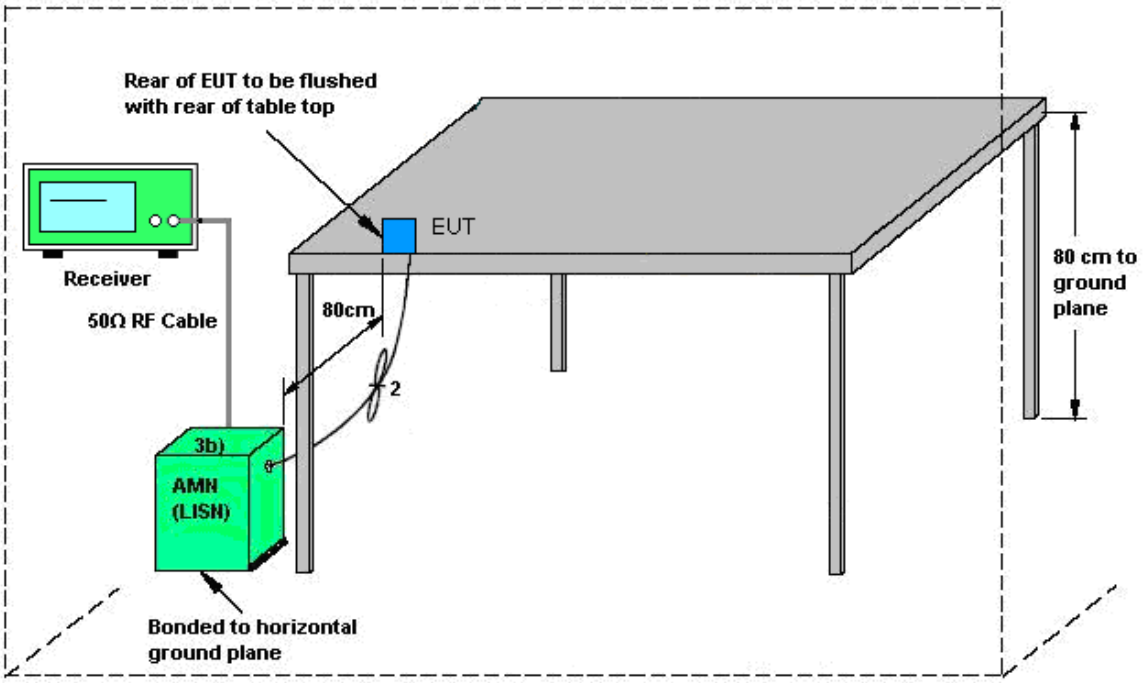
3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

3.6.3 Test Procedures

1. The testing follows the guidelines in ANSI C63.4-2003 and ANSI C63.10-2009 test site requirement.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All the support units are connecting to the other LISN.
5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
7. Both sides of AC line were checked for maximum conducted interference.
8. The frequency range from 150 kHz to 30 MHz was searched.
9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

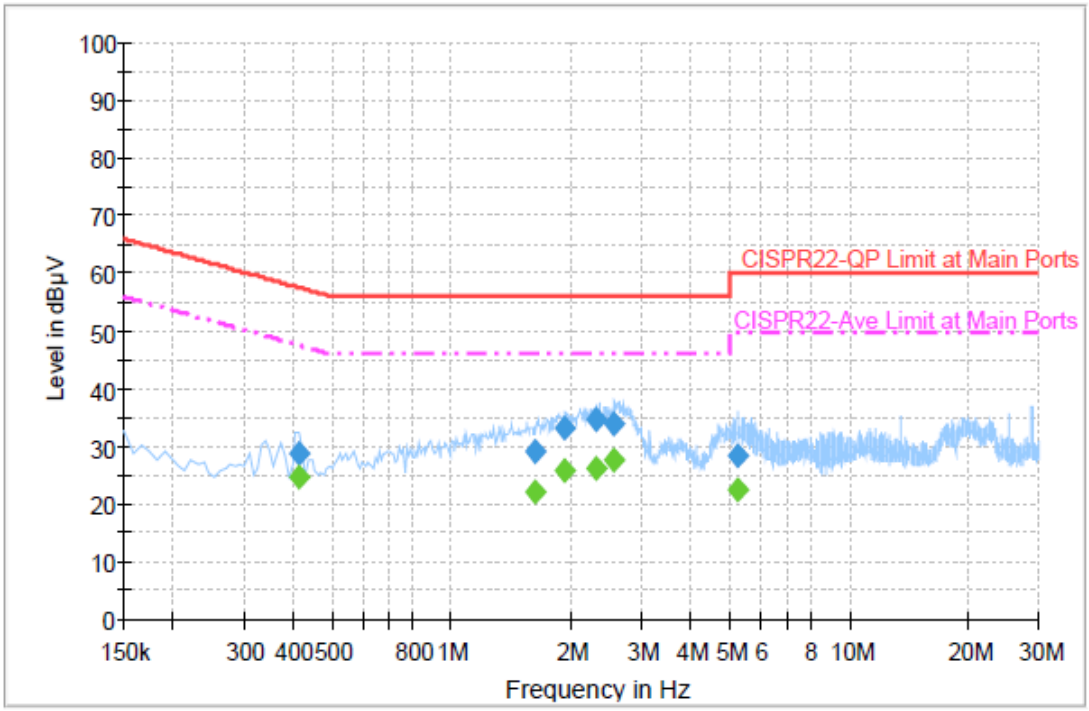
3.6.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Slash Huang	Relative Humidity :	45~47%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Link + WLAN (5G) Link		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



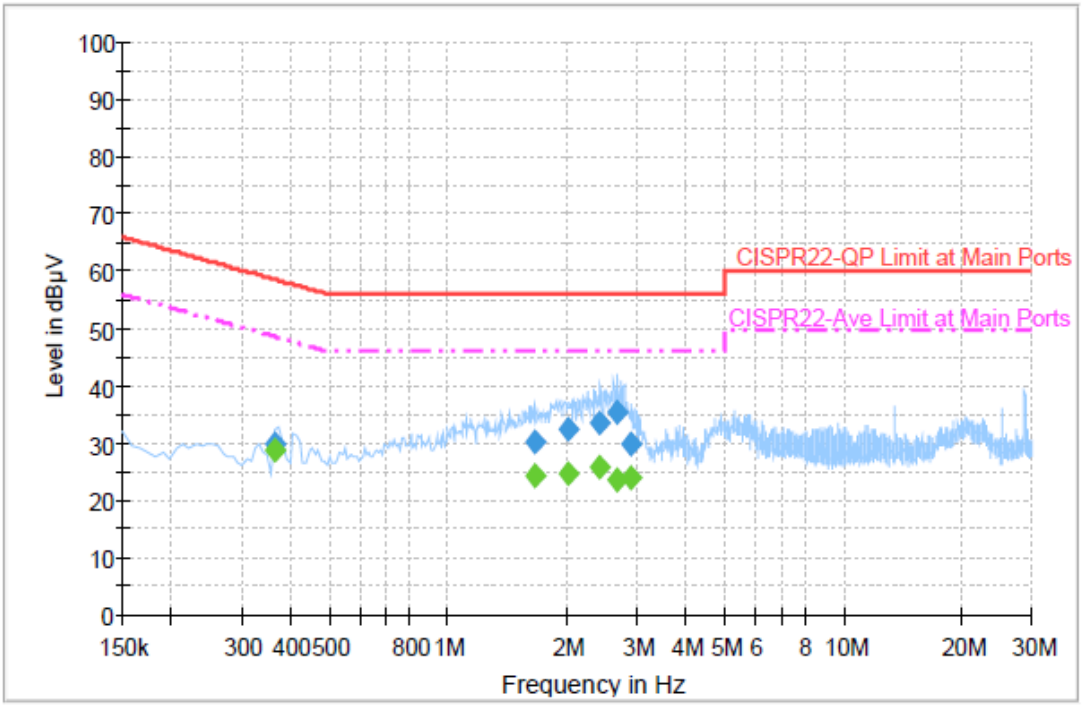
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.414000	28.7	Off	L1	19.4	28.9	57.6
1.622000	29.2	Off	L1	19.4	26.8	56.0
1.926000	33.4	Off	L1	19.5	22.6	56.0
2.302000	34.6	Off	L1	19.5	21.4	56.0
2.574000	34.0	Off	L1	19.6	22.0	56.0
5.262000	28.4	Off	L1	19.6	31.6	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.414000	24.6	Off	L1	19.4	23.0	47.6
1.622000	22.0	Off	L1	19.4	24.0	46.0
1.926000	25.8	Off	L1	19.5	20.2	46.0
2.302000	26.4	Off	L1	19.5	19.6	46.0
2.574000	27.6	Off	L1	19.6	18.4	46.0
5.262000	22.7	Off	L1	19.6	27.3	50.0

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Slash Huang	Relative Humidity :	45~47%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + WLAN (5G) Link		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.366000	29.8	Off	N	19.4	28.8	58.6
1.662000	30.3	Off	N	19.5	25.7	56.0
2.014000	32.5	Off	N	19.5	23.5	56.0
2.430000	33.4	Off	N	19.6	22.6	56.0
2.694000	35.5	Off	N	19.6	20.5	56.0
2.910000	30.0	Off	N	19.7	26.0	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.366000	28.6	Off	N	19.4	20.0	48.6
1.662000	24.3	Off	N	19.5	21.7	46.0
2.014000	24.7	Off	N	19.5	21.3	46.0
2.430000	25.8	Off	N	19.6	20.2	46.0
2.694000	23.7	Off	N	19.6	22.3	46.0
2.910000	24.1	Off	N	19.7	21.9	46.0

3.7 Frequency Stability Measurement

3.7.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

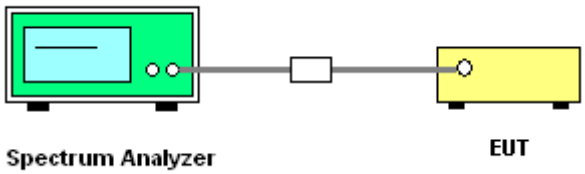
3.7.2 Measuring Instruments

See list of measuring instruments of this test report.

3.7.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.7.4 Test Setup



3.7.5 Test Result of Frequency Stability

Test Mode :	802.11a	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Channel	Frequency (MHz)	Low Frequency (Fl)	High Frequency (Fh)	Frequency Stability (ppm)
36	5180	5171.71	5188.22	-6.19
44	5220	5211.71	5228.22	-6.14
48	5240	5231.71	5248.22	-6.12
52	5260	5251.71	5268.22	-6.09
60	5300	5291.73	5308.22	-4.72
64	5320	5311.71	5328.22	-6.02
100	5500	5491.71	5508.22	-5.83
116	5580	5571.73	5588.22	-4.48
140	5700	5691.71	5708.22	-5.62

Test Mode :	802.11n HT-20	Temperature :	24~26℃
Test Engineer :	Reece Li	Relative Humidity :	45~49%

Channel	Frequency (MHz)	Low Frequency (Fl)	High Frequency (Fh)	Frequency Stability (ppm)
36	5180	5171.15	5188.86	1.55
44	5220	5211.15	5228.86	1.53
48	5240	5231.15	5248.86	1.53
52	5260	5251.15	5268.86	1.52
60	5300	5291.14	5308.86	0.00
64	5320	5311.15	5328.86	1.33
100	5500	5491.15	5508.86	1.46
116	5580	5571.15	5588.86	1.44
140	5700	5691.15	5708.86	1.41

3.8 Automatically Discontinue Transmission

3.8.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.8.2 Measuring Instruments

See list of measuring instruments of this test report.

3.8.3 Test Result of Automatically Discontinue Transmission

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.9 Antenna Requirements

3.9.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.9.2 Antenna Connected Construction

Non-standard connector used.

3.9.3 Antenna Gain

The antenna gain is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100055	9kHz~40GHz	Jun. 06, 2012	Jul. 23, 2012 ~ Aug. 22, 2012	Jun. 05, 2013	Conducted (TH02-HY)
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 18, 2011	Jul. 23, 2012 ~ Aug. 22, 2012	Sep. 17, 2012	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	0846202	N/A	Sep. 18, 2011	Jul. 23, 2012 ~ Aug. 22, 2012	Sep. 17, 2012	Conducted (TH02-HY)
EMI Test Receiver	R&S	ESCS 30	100356	9KHz ~ 2.75GHz	Oct. 27, 2011	Aug. 20, 2012	Oct. 26, 2012	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9KHz ~ 30MHz	Dec. 09, 2011	Aug. 20, 2012	Dec. 08, 2012	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9KHz ~ 30MHz	Dec. 06, 2011	Aug. 20, 2012	Dec. 05, 2012	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	Aug. 20, 2012	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	ESU26	100390	20Hz ~ 26.5GHz	Dec. 22, 2011	Aug. 02, 2012~ Sep. 08, 2012	Dec. 21, 2012	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30MHz ~ 2GHz	Oct. 22, 2011	Aug. 02, 2012~ Sep. 08, 2012	Oct. 21, 2012	Radiation (03CH05-HY)
Turn Table	HD	Deis HD 2000	420/611	0 ~ 360 degree	N/A	Aug. 02, 2012~ Sep. 08, 2012	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	MA 240	240/666	1 m ~ 4 m	N/A	Aug. 02, 2012~ Sep. 08, 2012	N/A	Radiation (03CH05-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz ~ 18GHz	Aug. 01, 2012	Aug. 02, 2012~ Sep. 08, 2012	Jul. 31, 2013	Double Ridge Horn Antenna
Preamplifier	Agilent	8449B	3008A01917	1GHz~26.5GHz	Apr. 13, 2012	Aug. 02, 2012~ Sep. 08, 2012	Apr. 12, 2013	Radiation (03CH05-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz ~ 40GHz	Oct. 21, 2011	Aug. 02, 2012~ Sep. 08, 2012	Oct. 20, 2012	Radiation (03CH05-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9KHz ~ 30MHz	Jul. 03, 2012	Aug. 02, 2012~ Sep. 08, 2012	Jul. 02, 2014	Radiation (03CH05-HY)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**

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**

Appendix A. Photographs of EUT

Please refer to Sporton report number EP271030 as below.