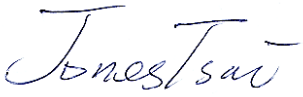
FCC/IC RF Test Report

APPLICANT	:	**Sony Mobile Communications AB**
EQUIPMENT	:	**Smart phone**
BRAND NAME	:	**SONY**
MODEL NAME	:	**D2302**
TYPE NAME	:	**PM-0721-BV**
FCC ID	:	**PY7PM-0721**
STANDARD	:	**FCC Part 15 Subpart E §15.407** **IC RSS-210 issue 8**
CLASSIFICATION	:	**(NII) Unlicensed National Information Infrastructure**

The product was received on Nov. 02, 2013 and testing was completed on Jan. 10, 2014. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown to be compliant with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager

Testing Laboratory
1190

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TABLE OF CONTENTS

REVISION HISTORY **3**

SUMMARY OF TEST RESULT **4**

1 GENERAL DESCRIPTION **5**

1.1 Applicant 5
1.2 Manufacturer 5
1.3 Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 6
1.5 Modification of EUT 7
1.6 Testing Site 8
1.7 Applied Standards 8

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **9**

2.1 Carrier Frequency Channel 10
2.2 Pre-Scanned RF Power 11
2.3 Test Mode 12
2.4 Connection Diagram of Test System 14
2.5 Support Unit used in test configuration and system 15
2.6 EUT Operation Test Setup 15
2.7 Measurement Results Explanation Example 16

3 TEST RESULT **17**

3.1 26dB & 99% Occupied Bandwidth Measurement 17
3.2 Maximum Conducted Output Power Measurement 22
3.3 Power Spectral Density Measurement 27
3.4 Peak Excursion Ratio Measurement 32
3.5 Unwanted Radiated Emission Measurement 34
3.6 AC Conducted Emission Measurement 219
3.7 Frequency Stability Measurement 235
3.8 Automatically Discontinue Transmission 237
3.9 Antenna Requirements 238

4 LIST OF MEASURING EQUIPMENT **239**

5 UNCERTAINTY OF EVALUATION **241**

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR3N0205E	Rev. 01	Initial issue of report	Jan. 20, 2014

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	RSS-210 A9.2	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	RSS-210 A9.2	Maximum Conducted Output Power	≤ 17, 24, 30 dBm (depend on band)	Pass	-
3.3	15.407(a)	RSS-210 A9.2	Power Spectral Density	≤ 4, 11, 17 dBm (depend on band)	Pass	-
3.4	15.407(a)(6)	RSS-210 A9.3	Peak Excursion Ratio	≤ 13dB	Pass	-
3.5	15.407(b)	RSS-210 A9.3	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 0.29 dB at 5350.220 MHz
3.6	15.207	RSS-Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 10.60 dB at 3.294 MHz
3.7	15.407(g)	-	Frequency Stability	Within Operation Band	Pass	-
3.8	15.407(c)	RSS-210 A9.4	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.9	15.203 & 15.407(a)	RSS-210 A9.2	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Sony Mobile Communications AB
Nya Vattentornet, 22188 Lund, Sweden

1.2 Manufacturer

Compal Communications, INC
No. 385, Yangguang Street, Neihu, Taipei 11491, Taiwan

1.3 Feature of Equipment Under Test

The Equipment Under Test (hereafter called: EUT) is smart phone supporting, GSM / WCDMA / Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, Bluetooth with FM Receiver, GPS, and NFC features, and below is details of information.

Product Feature & Specification	
Equipment	Smart phone
Brand Name	SONY
Model Name	D2302
Type Name	PM-0721-BV
FCC ID	PY7PM-0721
GSM Operating Band(s)	GSM 850/900/1800/1900MHz
GPRS / EGPRS Multi Slot Class	GPRS Class 33 , EGPRS Class 33
WCDMA Operating Band(s)	FDD Band I / II / V / VIII
WCDMA Rel. Version	Rel. 7
Wi-Fi Specification	802.11b/g/n (HT20) 802.11a/n (HT20/HT40)
Bluetooth Version	v3.0 + EDR / v4.0 - LE
NFC Specification	ISO14443A / ISO14443B / Felica
Power Supply	Battery / AC Adapter / Car Charger

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

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5580 MHz 5660 MHz ~ 5700 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** 802.11a : 13.83 dBm / 0.0242 W 802.11n HT20 : 13.84 dBm / 0.0242 W 802.11n HT40 : 13.98 dBm / 0.0250 W **<5260 MHz ~ 5320 MHz>** 802.11a : 13.98 dBm / 0.0250 W 802.11n HT20 : 13.99 dBm / 0.0251 W 802.11n HT40 : 13.90 dBm / 0.0245 W **<5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz >** 802.11a : 13.99 dBm / 0.0251 W 802.11n HT20 : 13.97 dBm / 0.0249 W 802.11n HT40 : 13.99 dBm / 0.0251 W
99% Occupied Bandwidth	802.11a : 18.55 MHz 802.11n HT20 : 19.45 MHz 802.11n HT40 : 36.99 MHz
Antenna Type	**<5180 MHz ~ 5240 MHz>** PIFA Antenna with gain -2.88 dBi **<5260 MHz ~ 5320 MHz>** PIFA Antenna with gain -2.18 dBi **<5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz >** PIFA Antenna with gain -0.55 dBi
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT #1	IMEI 1 : 004402146971357 IMEI 2 : 004402146971365 S/N : ZH8001K0XF
EUT #2	IMEI 1 : 004402147201424 IMEI 2 : 004402147201432 S/N : ZH8001YT43
EUT #3	IMEI 1 : 004402146969419 IMEI 2 : 004402146969427 S/N : ZH8001HJSF
HW Version	A
SW Version	18.0.B.0.23
EUT Stage	Production Unit

Accessory List	
AC Adapter	Model No. : EP800
	Type No. : CAA-0002016-US B
Battery	Model No. : LIS1502ERPC
	Type No. : Sony LIS1502ERPC
Earphone	Model No. : MH410c
	Type No. : AG-1100
USB Cable	Model No. : AHAB EC450
	Part No. : 1242-6715.4

Note:

1. Above EUT list and accessory list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report.
3. For other wireless features of this EUT, test report will be issued separately.

1.5 Modification of EUT

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

1.6 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	03CH06-HY	722060/4086B-1

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

1.7 Applied Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

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

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-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 (U-NII-2)	52	5260	60	5300
	54	**5270**	**62**	**5310**
	56	5280	64	5320

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5600 MHz and 5650-5725 MHz Band 3 (U-NII-2ext)	100	5500	116	5580
	102	**5510**	132	5660
	104	5520	**134**	**5670**
	108	5540	136	5680
	110	**5550**	140	5700
	112	5560		

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

2.2 Pre-Scanned RF Power

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

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Average Power (dBm)	13.99	13.97	13.98	13.95	13.97	13.93	13.97	13.94

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power dBm)	13.99	13.93	13.98	13.98	13.97	13.92	13.94	13.94

5GHz 802.11n HT40 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Average Power (dBm)	13.99	13.98	13.88	13.95	13.95	13.95	13.96	13.97

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	**MCS0**	**L/M/H**
		802.11n HT40	**MCS0**	**L/M/H**
	Output Power	**802.11a**	**6 Mbps**	**L/M/H**
		802.11n HT20	**MCS0**	**L/M/H**
		802.11n HT40	**MCS0**	**L/M/H**
	Peak Excursion	**802.11a**	**6 Mbps**	**100**
		802.11n HT20	**MCS0**	**100**
		802.11n HT40	**MCS0**	**102**
	Frequency Stability	**802.11a**	**6 Mbps**	**L/H**
Radiated TCs	**Radiated Band Edge**	**802.11a**	**6 Mbps**	**L/H**
		802.11n HT20	**MCS0**	**L/H**
		802.11n HT40	**MCS0**	**L/H**
	Radiated Spurious Emission	**802.11a**	**6 Mbps**	**L/M/H**
		802.11n HT20	**MCS0**	**L/M/H**
		802.11n HT40	**MCS0**	**L/M/H**
AC Conducted Emission	Mode 1 : GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1 Mode 2 : GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1			

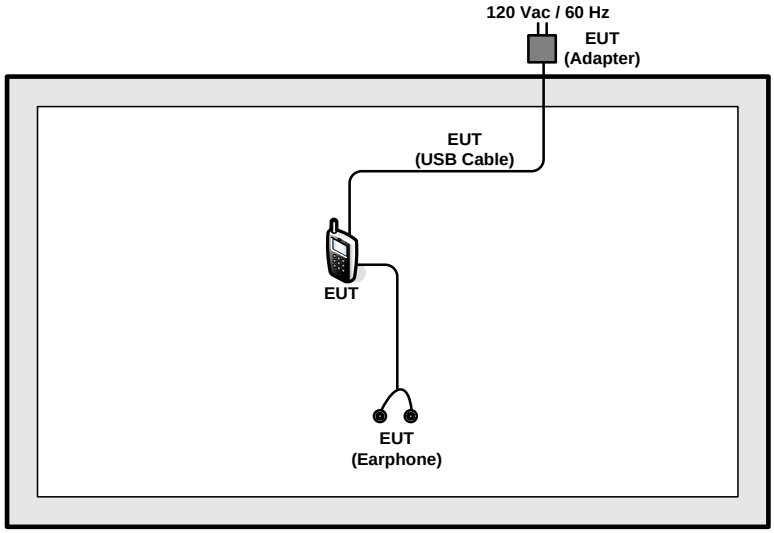
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

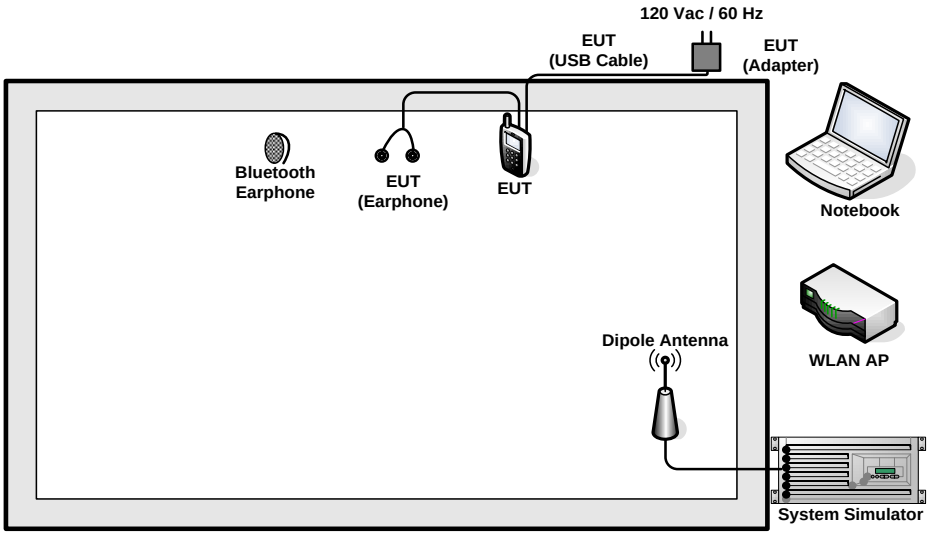
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5600 MHz and 5650-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

2.4 Connection Diagram of Test System

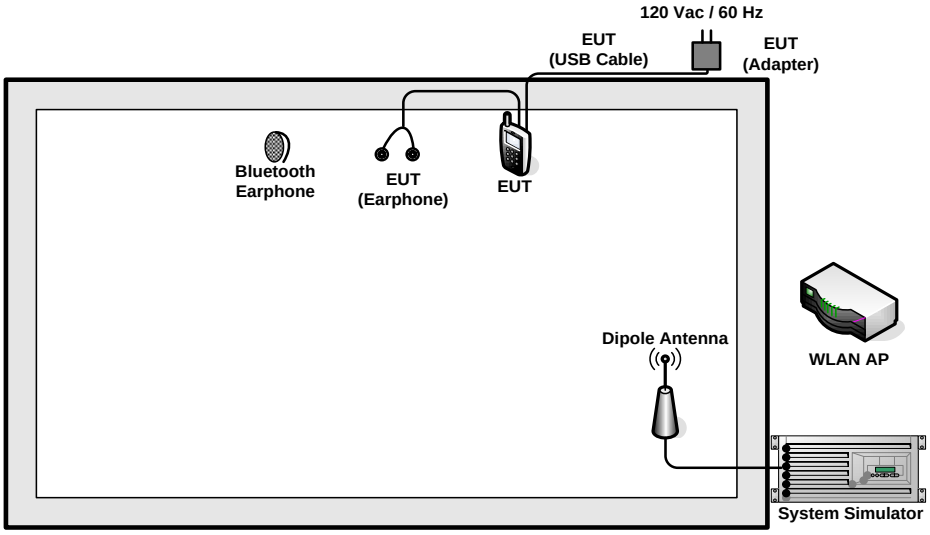
<WLAN Tx Mode>



<AC Conducted Emission Mode in WLAN Link>



<AC Conducted Emission Mode in WLAN Idle>



2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	LatitudeE6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Sony Ericsson	MH755	FCC DoC	N/A	N/A
5.	Bluetooth Body	Sony Ericsson	SBH20	PY7-RD0010	N/A	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit/receive.

2.7 Measurement Results Explanation Example

For all conducted test items:

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

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

There is no restriction limits for bandwidth. The maximum conducted output power can be limited by measured emission bandwidth (B).

For the band 5150-5250 MHz, 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 bands 5250-5350 MHz, 5470-5600 MHz and 5650-5725MHz, 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.

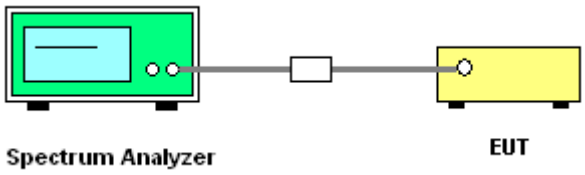
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r03. 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%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth Plots

Test Band :	5GHz band 1	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)
11a	6Mbps	1	36	5180	18.40	24.90	22.65	16.99
11a	6Mbps	1	44	5220	18.50	24.85	22.67	16.99
11a	6Mbps	1	48	5240	18.50	25.95	22.67	16.99
HT20	MCS0	1	36	5180	19.10	23.35	22.81	16.99
HT20	MCS0	1	44	5220	19.10	24.35	22.81	16.99
HT20	MCS0	1	48	5240	19.35	24.70	22.87	16.99
HT40	MCS0	1	38	5190	36.99	54.63	23.01	16.99
HT40	MCS0	1	46	5230	36.81	53.82	23.01	16.99

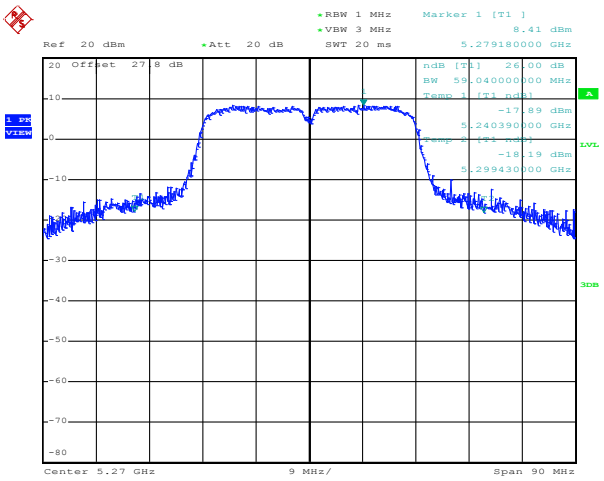
Test Band :	5GHz band 2	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)
11a	6Mbps	1	52	5260	18.50	23.95	29.67	23.98
11a	6Mbps	1	60	5300	18.45	25.20	29.66	23.98
11a	6Mbps	1	64	5320	18.50	24.65	29.67	23.98
HT20	MCS0	1	52	5260	19.30	24.70	29.86	23.98
HT20	MCS0	1	60	5300	19.20	25.10	29.83	23.98
HT20	MCS0	1	64	5320	19.15	23.10	29.82	23.98
HT40	MCS0	1	54	5270	36.90	59.04	30.00	23.98
HT40	MCS0	1	62	5310	36.81	51.84	30.00	23.98

Test Band :	5GHz band 3	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

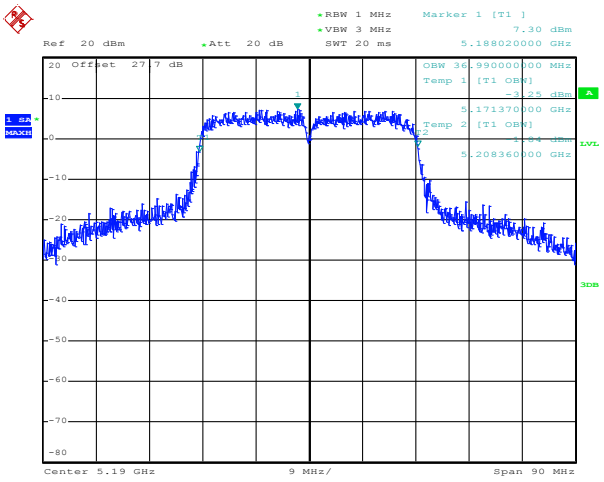
Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)
11a	6Mbps	1	100	5500	18.40	23.15	29.65	23.98
11a	6Mbps	1	116	5580	18.50	23.85	29.67	23.98
11a	6Mbps	1	140	5700	18.55	24.20	29.68	23.98
HT20	MCS0	1	100	5500	19.15	24.40	29.82	23.98
HT20	MCS0	1	116	5580	19.45	26.05	29.89	23.98
HT20	MCS0	1	140	5700	19.30	24.95	29.86	23.98
HT40	MCS0	1	102	5510	36.63	46.44	30.00	23.98
HT40	MCS0	1	110	5550	36.72	45.81	30.00	23.98
HT40	MCS0	1	134	5670	36.90	52.02	30.00	23.98

Maximum 26dB Bandwidth



Note: The total loss is 27.8 dB of the RF cable and attenuator, and has been compensated to the spectrum analyzer offset.

Maximum 99% Occupied Bandwidth



Note: The total loss is 27.7 dB of the RF cable and attenuator, and has been compensated to the spectrum analyzer offset.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5150-5250 MHz, 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 bands 5250-5350 MHz, 5470-5600 MHz and 5650-5725 MHz, 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.

If transmitting antennas of directional gain greater than 6 dBi are used, 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

The measuring equipment is listed in the section 4 of this test report.

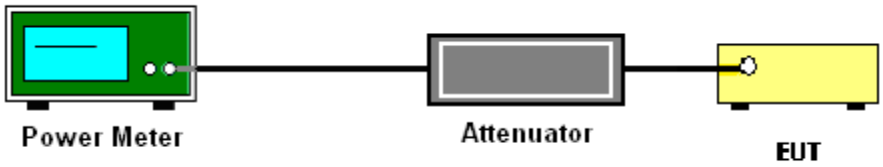
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D01 General UNII Test Procedures v01r03.

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 Band :	5GHz band 1	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.59	13.83	16.99	-2.88	-	Pass
11a	6Mbps	1	44	5220	0.59	13.63	16.99	-2.88		Pass
11a	6Mbps	1	48	5240	0.59	13.75	16.99	-2.88		Pass
HT20	MCS0	1	36	5180	0.63	13.72	16.99	-2.88		Pass
HT20	MCS0	1	44	5220	0.63	13.66	16.99	-2.88		Pass
HT20	MCS0	1	48	5240	0.63	13.84	16.99	-2.88		Pass
HT40	MCS0	1	38	5190	1.21	13.98	16.99	-2.88		Pass
HT40	MCS0	1	46	5230	1.21	13.97	16.99	-2.88		Pass

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	36	5180	0.59	13.83	25.53	-2.88	22.65	Pass
11a	6Mbps	1	44	5220	0.59	13.63	25.55	-2.88	22.67	Pass
11a	6Mbps	1	48	5240	0.59	13.75	25.55	-2.88	22.67	Pass
HT20	MCS0	1	36	5180	0.63	13.72	25.69	-2.88	22.81	Pass
HT20	MCS0	1	44	5220	0.63	13.66	25.69	-2.88	22.81	Pass
HT20	MCS0	1	48	5240	0.63	13.84	25.75	-2.88	22.87	Pass
HT40	MCS0	1	38	5190	1.21	13.98	25.89	-2.88	23.01	Pass
HT40	MCS0	1	46	5230	1.21	13.97	25.89	-2.88	23.01	Pass

Note:

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the band 5150-5250 MHz, the maximum average conducted output power shall not exceed lesser of 50 mW (17dBm) or 4 dBm + 10log (B), where B is 26dB BW for FCC.
3. For the band 5150-5250 MHz, the maximum average EIRP output power shall not exceed lesser of 200 mW (23dBm) or 10 dBm + 10log (B), where B is 99%OBW for IC.

Test Band :	5GHz band 2	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	52	5260	0.59	13.82	23.98	-2.18		Pass
11a	6Mbps	1	60	5300	0.59	13.98	23.98	-2.18		Pass
11a	6Mbps	1	64	5320	0.59	13.87	23.98	-2.18		Pass
HT20	MCS0	1	52	5260	0.63	13.82	23.98	-2.18		Pass
HT20	MCS0	1	60	5300	0.63	13.99	23.98	-2.18	-	Pass
HT20	MCS0	1	64	5320	0.63	13.88	23.98	-2.18		Pass
HT40	MCS0	1	54	5270	1.21	13.88	23.98	-2.18		Pass
HT40	MCS0	1	62	5310	1.21	13.90	23.98	-2.18		Pass

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	52	5260	0.59	13.82	23.67	-2.18	29.67	Pass
11a	6Mbps	1	60	5300	0.59	13.98	23.66	-2.18	29.66	Pass
11a	6Mbps	1	64	5320	0.59	13.87	23.67	-2.18	29.67	Pass
HT20	MCS0	1	52	5260	0.63	13.82	23.86	-2.18	29.86	Pass
HT20	MCS0	1	60	5300	0.63	13.99	23.83	-2.18	29.83	Pass
HT20	MCS0	1	64	5320	0.63	13.88	23.82	-2.18	29.82	Pass
HT40	MCS0	1	54	5270	1.21	13.88	23.98	-2.18	30.00	Pass
HT40	MCS0	1	62	5310	1.21	13.90	23.98	-2.18	30.00	Pass

Note:

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the band 5250-5350 MHz, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (B), where B is 26dB BW for FCC and 99% OBW for IC.

Test Band :	5GHz band 3	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	100	5500	0.59	13.97	23.98	-0.55		Pass
11a	6Mbps	1	116	5580	0.59	13.99	23.98	-0.55		Pass
11a	6Mbps	1	140	5700	0.59	13.97	23.98	-0.55		Pass
HT20	MCS0	1	100	5500	0.63	13.72	23.98	-0.55		Pass
HT20	MCS0	1	116	5580	0.63	13.97	23.98	-0.55	-	Pass
HT20	MCS0	1	140	5700	0.63	13.79	23.98	-0.55		Pass
HT40	MCS0	1	102	5510	1.21	13.99	23.98	-0.55		Pass
HT40	MCS0	1	110	5550	1.21	13.89	23.98	-0.55		Pass
HT40	MCS0	1	134	5670	1.21	13.97	23.98	-0.55		Pass

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	100	5500	0.59	13.97	23.65	-0.55	29.65	Pass
11a	6Mbps	1	116	5580	0.59	13.99	23.67	-0.55	29.67	Pass
11a	6Mbps	1	140	5700	0.59	13.97	23.68	-0.55	29.68	Pass
HT20	MCS0	1	100	5500	0.63	13.72	23.82	-0.55	29.82	Pass
HT20	MCS0	1	116	5580	0.63	13.97	23.89	-0.55	29.89	Pass
HT20	MCS0	1	140	5700	0.63	13.79	23.86	-0.55	29.86	Pass
HT40	MCS0	1	102	5510	1.21	13.99	23.98	-0.55	30.00	Pass
HT40	MCS0	1	110	5550	1.21	13.89	23.98	-0.55	30.00	Pass
HT40	MCS0	1	134	5670	1.21	13.97	23.98	-0.55	30.00	Pass

Note:

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the 5470-5600 MHz and 5650-5725 MHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (B), where B is 26dB BW for FCC and 99% OBW for IC.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

For the band 5150-5250 MHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band.

For the bands 5250-5350 MHz, 5470-5600 and 5650-5725 MHz, 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

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r03.

Section F) Peak power spectral density (PPSD).

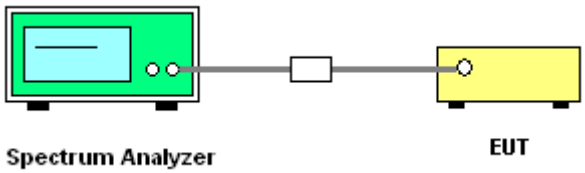
Note: Though the rule refers to “peak power spectral density”, the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

 # 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 v01r03.
   - 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 = RMS
   - 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 Band :	5GHz band 1	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	CH	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm)	DG (dBi)	EIRP PSD Limit (dBm)	Pass/Fail
11a	6Mbps	1	36	5180	0.59	2.07	4.00	-2.88	10	Pass
11a	6Mbps	1	44	5220	0.59	2.39	4.00	-2.88	10	Pass
11a	6Mbps	1	48	5240	0.59	2.49	4.00	-2.88	10	Pass
HT20	MCS0	1	36	5180	0.63	1.63	4.00	-2.88	10	Pass
HT20	MCS0	1	44	5220	0.63	1.82	4.00	-2.88	10	Pass
HT20	MCS0	1	48	5240	0.63	1.94	4.00	-2.88	10	Pass
HT40	MCS0	1	38	5190	1.21	-0.34	4.00	-2.88	10	Pass
HT40	MCS0	1	46	5230	1.21	-0.37	4.00	-2.88	10	Pass

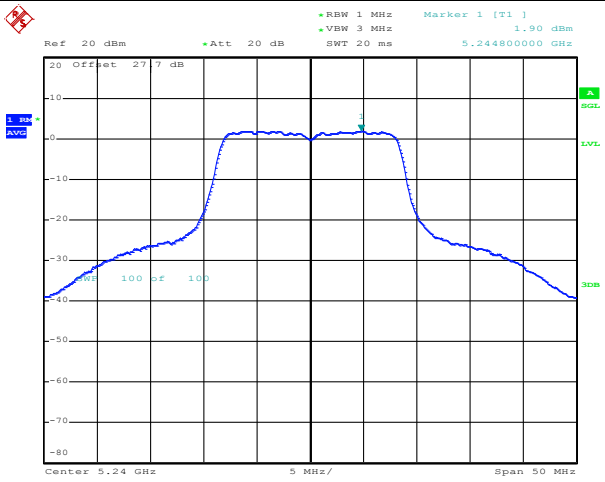
Test Band :	5GHz band 2	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm)	DG (dBi)	Pass/Fail
11a	6Mbps	1	52	5260	0.59	2.46	11.00	-2.18	Pass
11a	6Mbps	1	60	5300	0.59	3.02	11.00	-2.18	Pass
11a	6Mbps	1	64	5320	0.59	2.87	11.00	-2.18	Pass
HT20	MCS0	1	52	5260	0.63	2.05	11.00	-2.18	Pass
HT20	MCS0	1	60	5300	0.63	2.34	11.00	-2.18	Pass
HT20	MCS0	1	64	5320	0.63	2.30	11.00	-2.18	Pass
HT40	MCS0	1	54	5270	1.21	-0.30	11.00	-2.18	Pass
HT40	MCS0	1	62	5310	1.21	-0.09	11.00	-2.18	Pass

Test Band :	5GHz band 3	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm)	DG (dBi)	Pass/Fail
11a	6Mbps	1	100	5500	0.59	2.67	11.00	-0.55	Pass
11a	6Mbps	1	116	5580	0.59	2.63	11.00	-0.55	Pass
11a	6Mbps	1	140	5700	0.59	2.59	11.00	-0.55	Pass
HT20	MCS0	1	100	5500	0.63	2.39	11.00	-0.55	Pass
HT20	MCS0	1	116	5580	0.63	2.40	11.00	-0.55	Pass
HT20	MCS0	1	140	5700	0.63	2.48	11.00	-0.55	Pass
HT40	MCS0	1	102	5510	1.21	-0.76	11.00	-0.55	Pass
HT40	MCS0	1	110	5550	1.21	-0.81	11.00	-0.55	Pass
HT40	MCS0	1	134	5670	1.21	-0.57	11.00	-0.55	Pass

Worst Case Power Spectral Density(dBm/MHz)



Note:

1. Average Power Density (dB) = Measured value+ Duty Factor
2. The total loss is 27.7 dB of the RF cable and attenuator, and has been compensated to the spectrum analyzer offset.

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

The measuring equipment is listed in the section 4 of this test report.

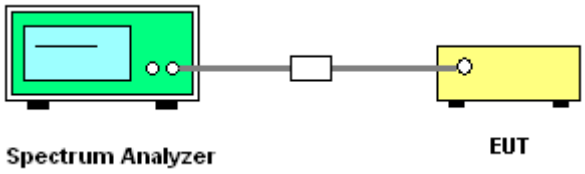
3.4.3 Test Procedures

The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r03.

Section G) 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



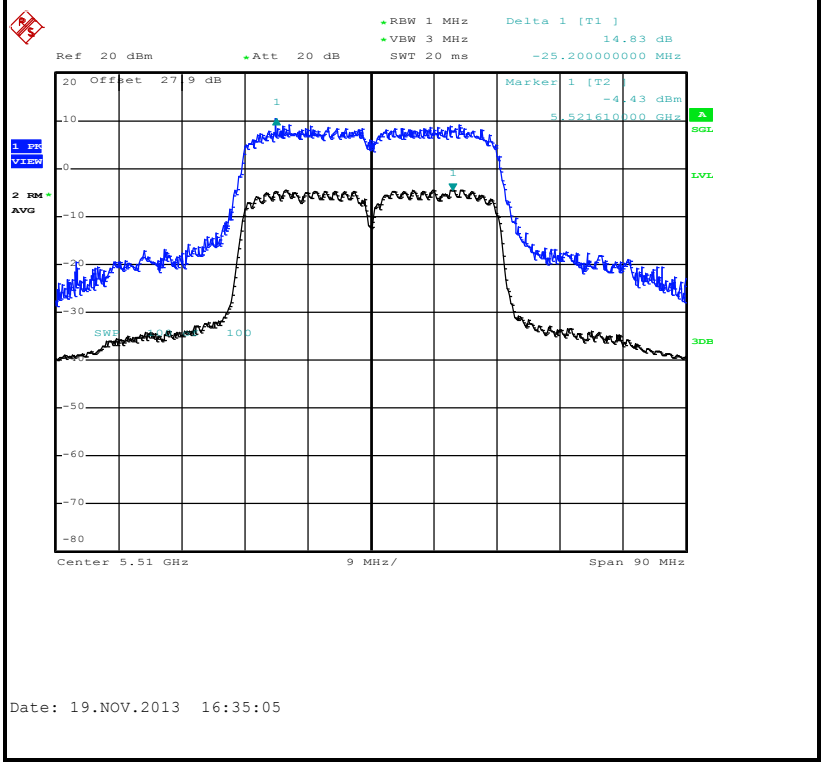
3.4.5 Test Result of Peak Excursion Ratio

Test Band :	5GHz band 3	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	N_{TX}	Channel	Freq. (MHz)	Peak Excursion Ratio (dB)					Max. Limits (dB)	Pass/Fail
				BPSK	QPSK	16QAM	64QAM	256QAM		
11a	1	100	5500	8.71	8.98	9.35	9.16	-	13	Pass
HT20	1	100	5500	9.22	9.44	9.30	9.07	-	13	Pass
HT40	1	102	5510	9.09	9.50	9.76	10.38	-	13	Pass

Note: All modulation measured based on the minimum data rate setting.

Worst Case Peak Excursion Ratio (dB)



Note:

1. Peak Excursion Ratio (dB) = Peak – (Average + Duty Cycle Offset). Duty Cycle Offset: 4.45 dB
2. The total loss is 27.9dB of the RF cable and attenuator, and has been compensated to the spectrum analyzer offset.

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 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

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

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

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

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

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

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

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

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

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The testing follows FCC KDB 789033 D01 General UNII Test Procedures v01r03. Section H) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - The setting follows the H) 5) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - The setting follows H) 6) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Band	Duty Cycle(%)	T(μs)	1/T(kHz)	VBW Setting
802.11a	87.26	1370	0.730	1kHz
802.11n HT20	86.49	1280	0.781	1kHz
802.11n HT40	75.71	636	1.572	3kHz

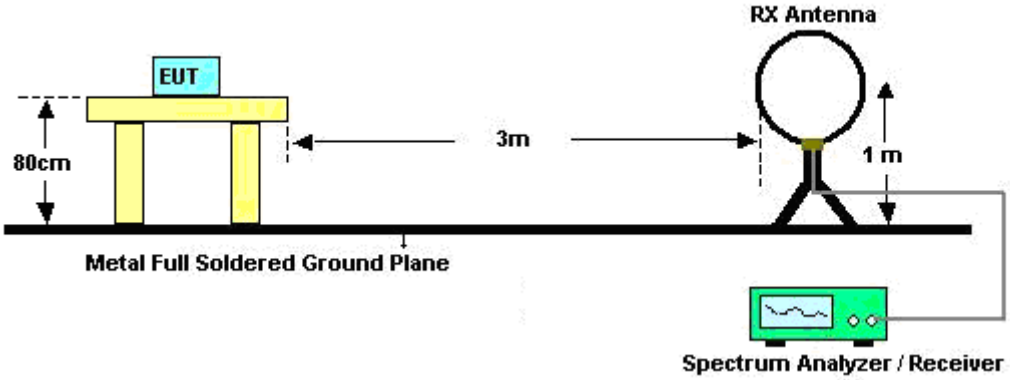
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the

antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

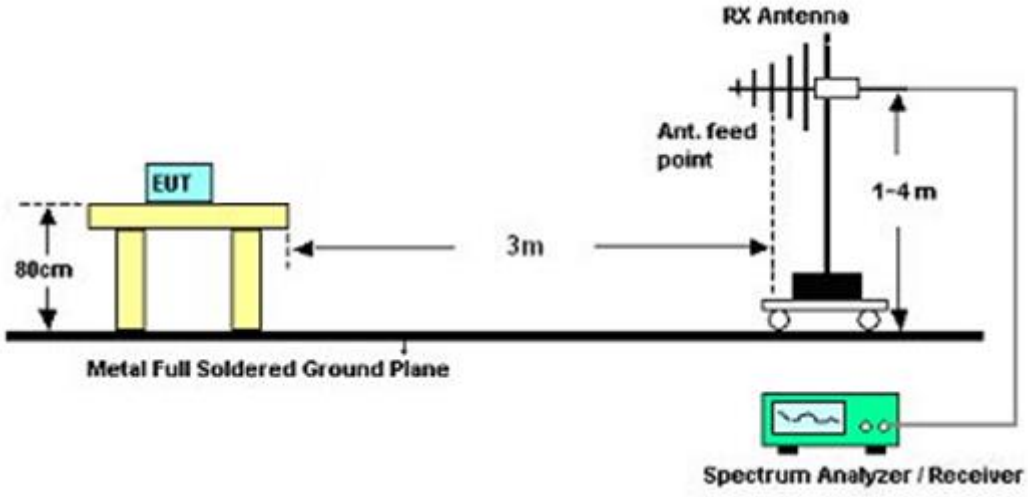
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.5.4 Test Setup

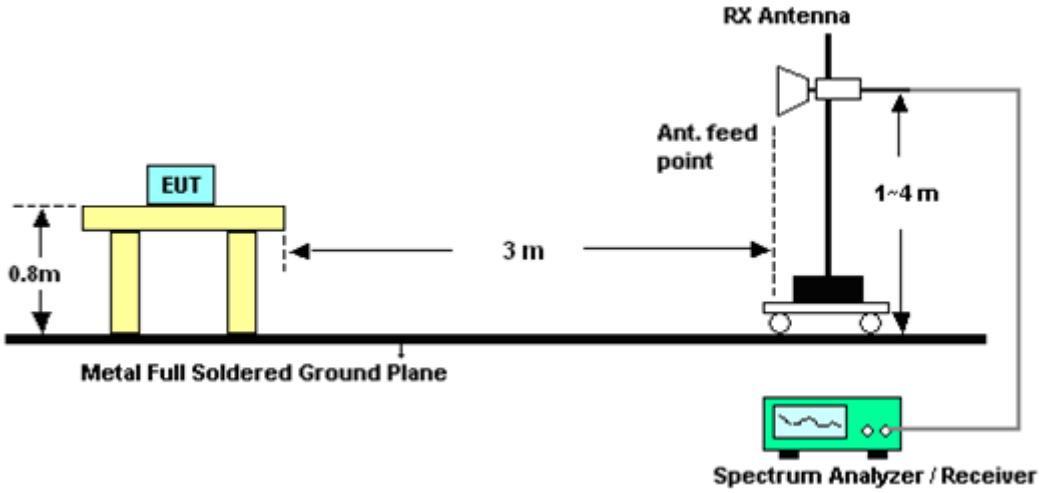
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



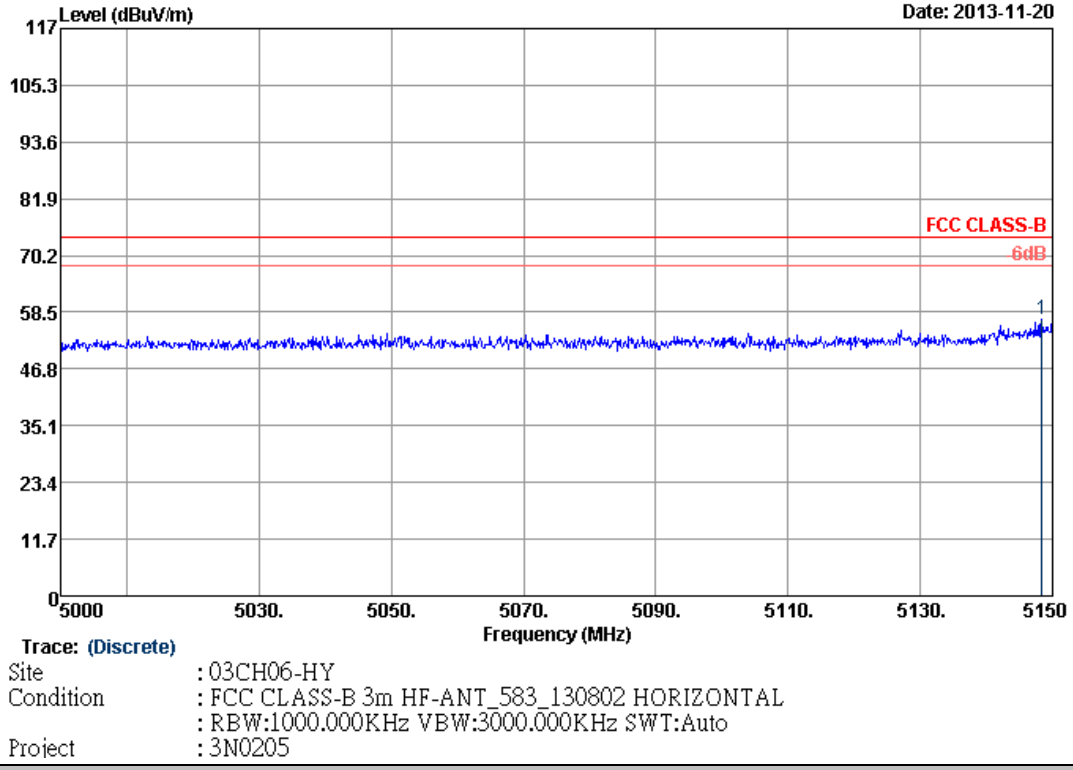
3.5.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

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

3.5.6.1 Test Result of Radiated Band Edges

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

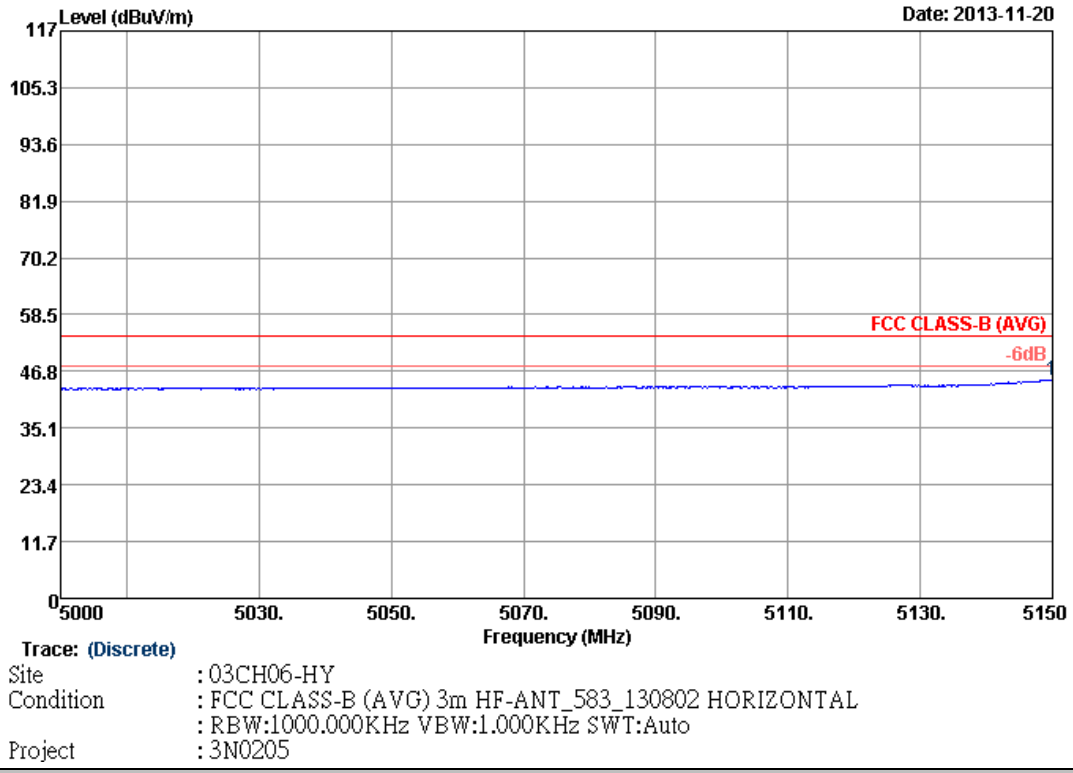


ANTENNA POLARITY : HORIZONTAL

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
5148.35	56.9	-17.1	74	45.36	34.45	10.44	33.35	104	292	Peak

Note: Worst case measurement on 5148.35 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

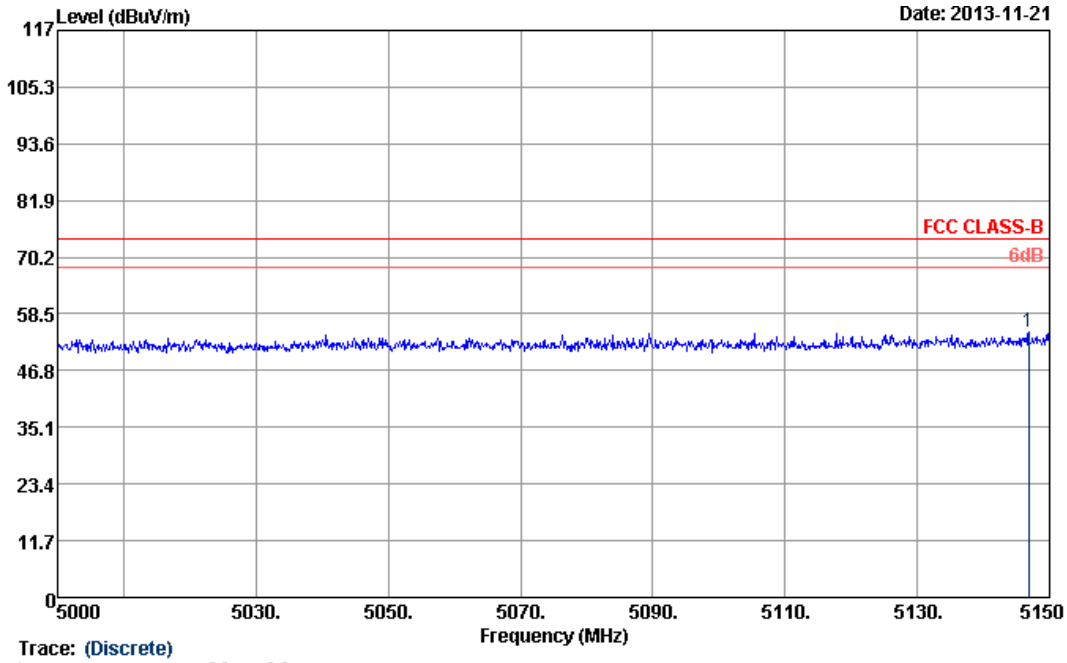


ANTENNA POLARITY : HORIZONTAL

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
5150	45.13	-8.87	54	33.59	34.45	10.44	33.35	104	292	Average

Note: Worst case measurement on 5150 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

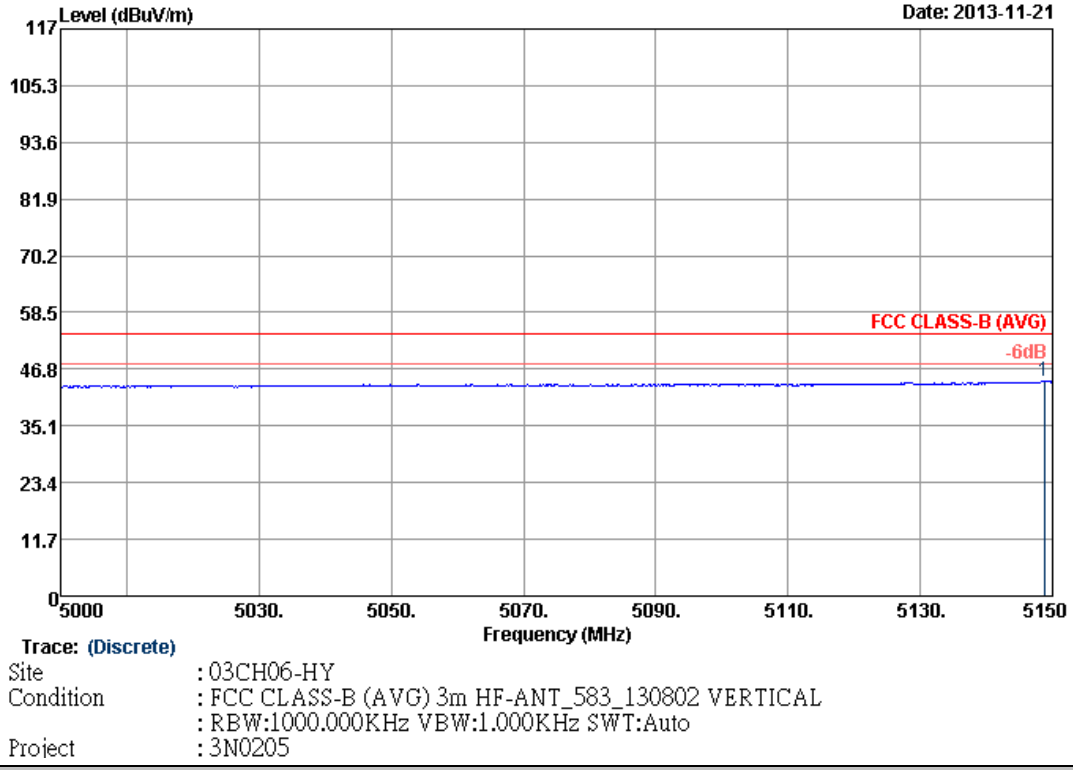


ANTENNA POLARITY : VERTICAL

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
5146.85	54.64	-19.36	74	43.1	34.45	10.44	33.35	100	90	Peak

Note: Worst case measurement on 5146.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

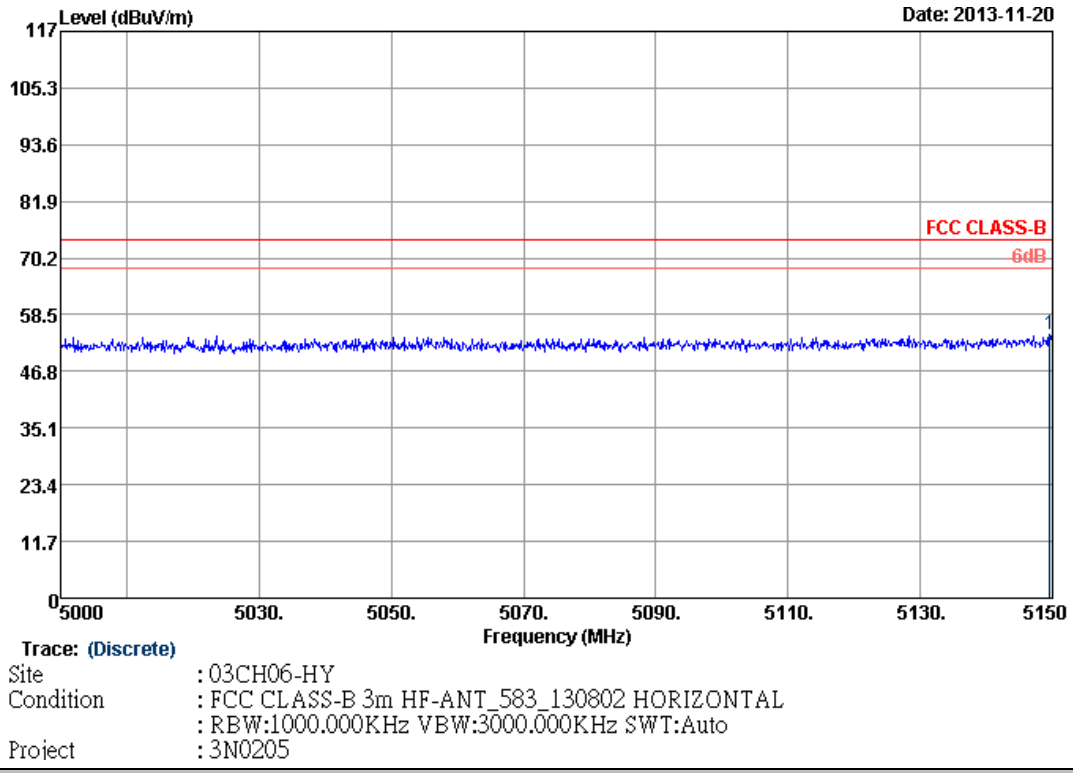


ANTENNA POLARITY : VERTICAL

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	44.35	-9.65	54	32.81	34.45	10.44	33.35	100	90	Average

Note: Worst case measurement on 5148.8 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

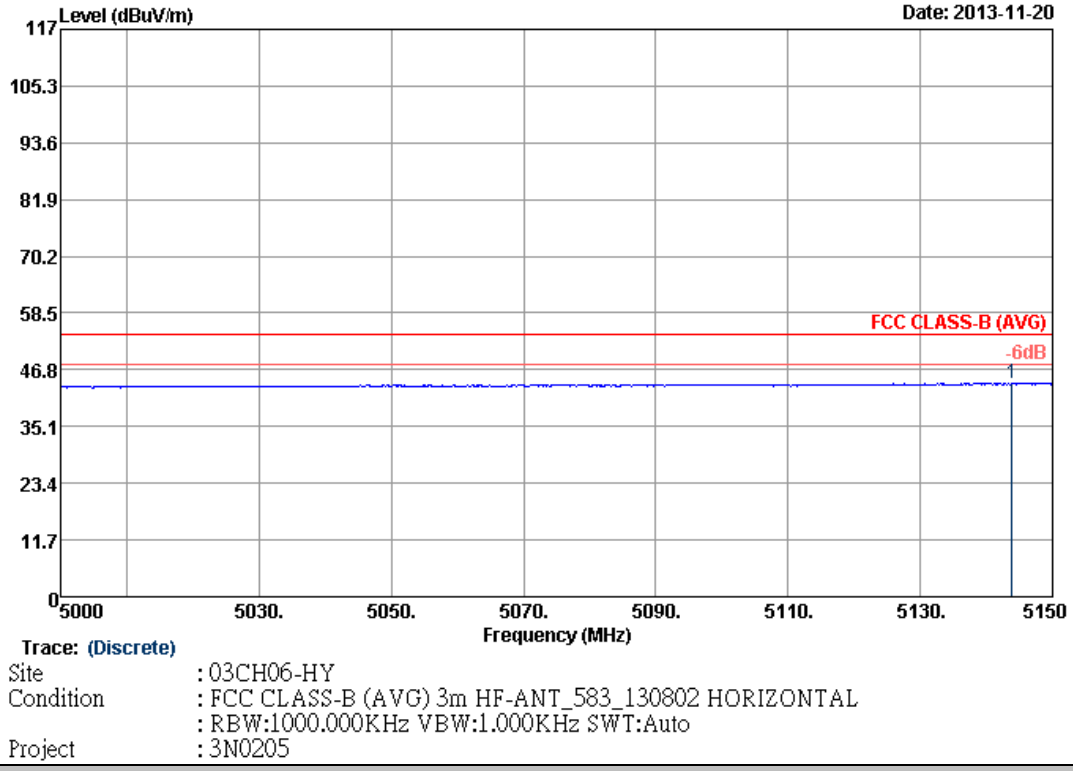


ANTENNA POLARITY : HORIZONTAL

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	54.57	-19.43	74	43.03	34.45	10.44	33.35	143	293	Peak

Note: Worst case measurement on 5149.55 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

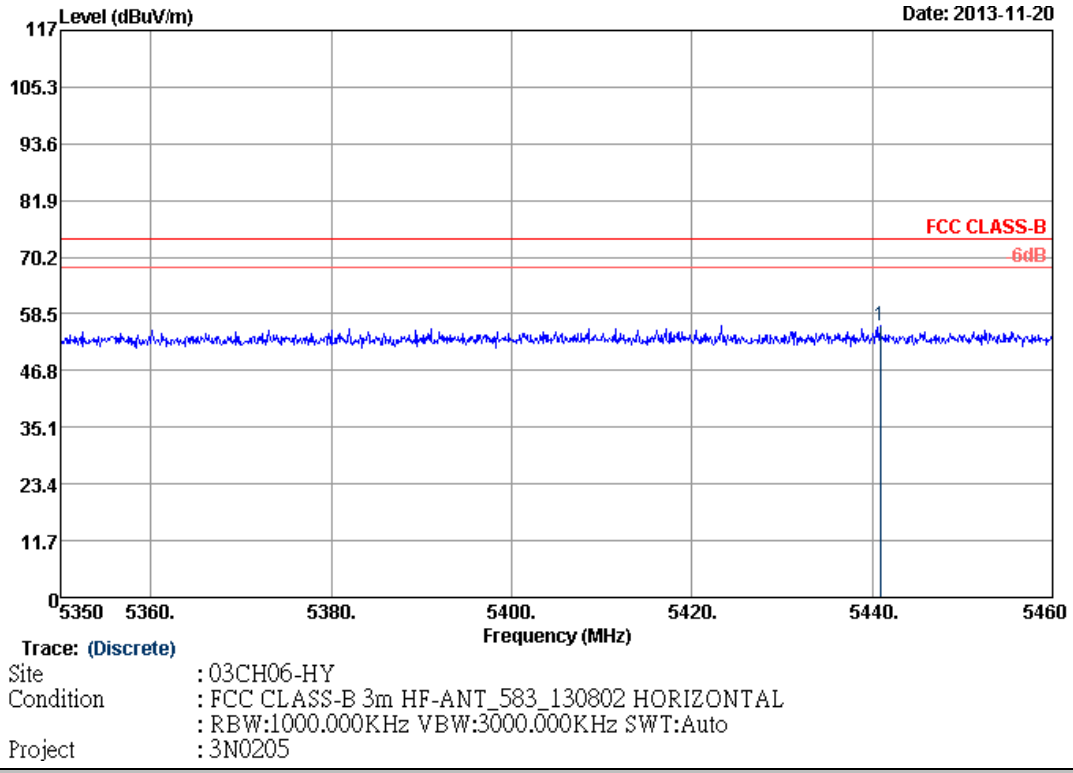


ANTENNA POLARITY : HORIZONTAL

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
5143.85	43.99	-10.01	54	32.45	34.45	10.44	33.35	143	293	Average

Note: Worst case measurement on 5143.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

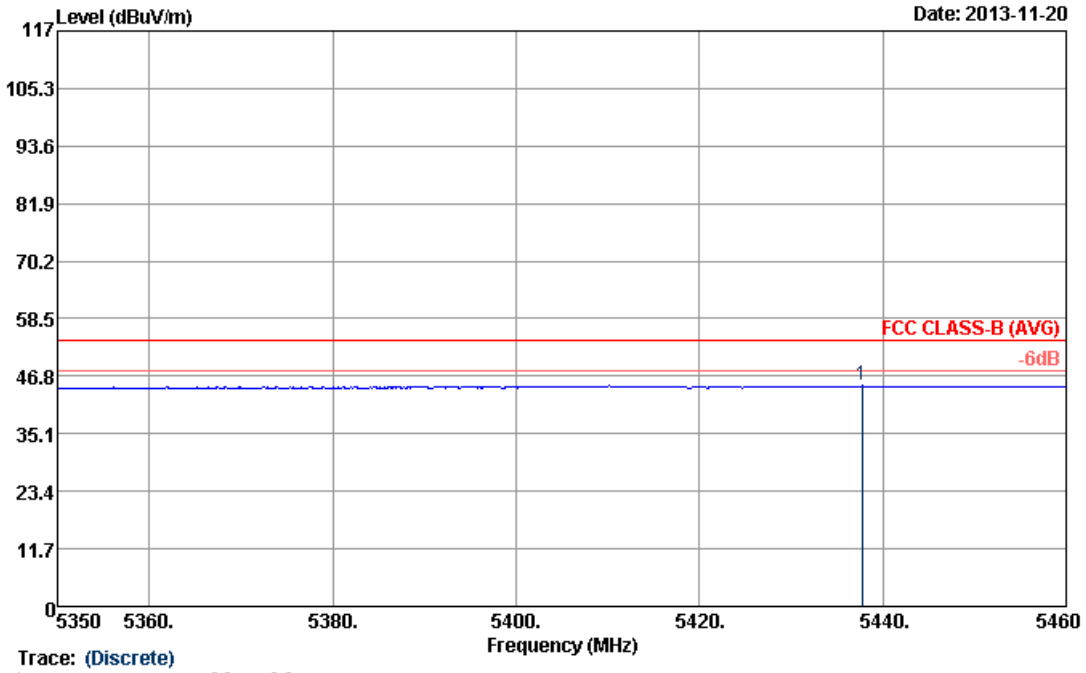


ANTENNA POLARITY : HORIZONTAL

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
5440.86	56.05	-17.95	74	43.69	34.73	10.86	33.23	143	293	Peak

Note: Worst case measurement on 5440.86 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

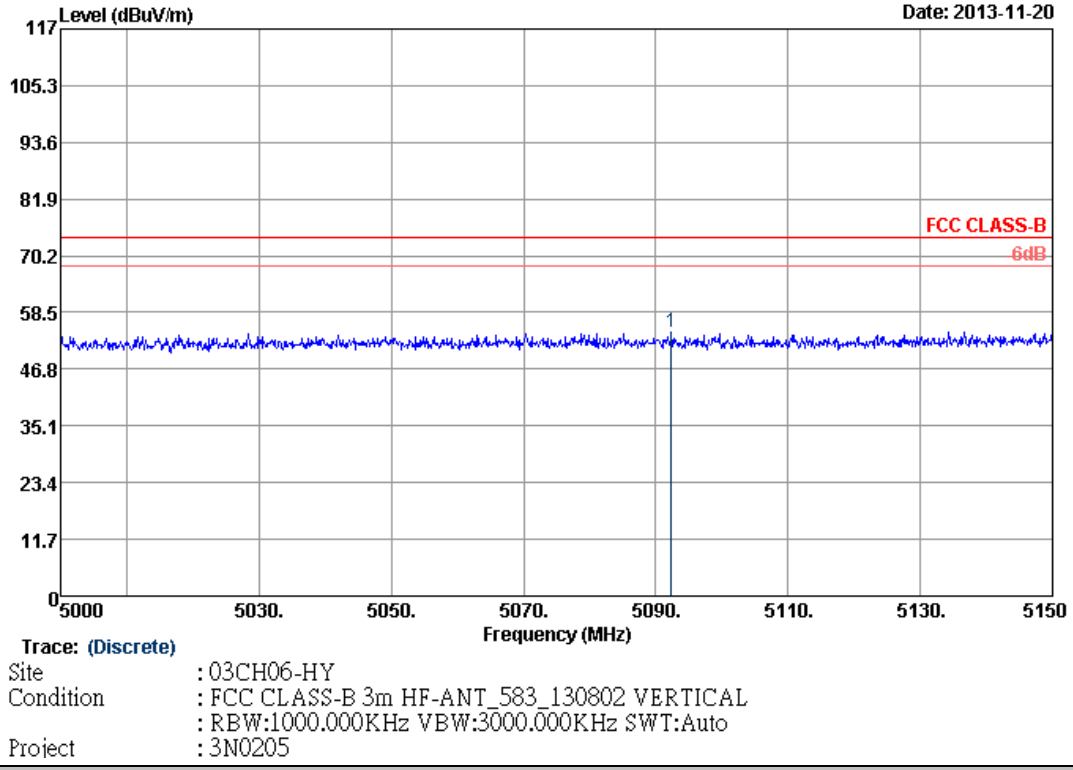


ANTENNA POLARITY : HORIZONTAL

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
5437.78	44.82	-9.18	54	32.46	34.73	10.86	33.23	143	293	Average

Note: Worst case measurement on 5437.78 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460 MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

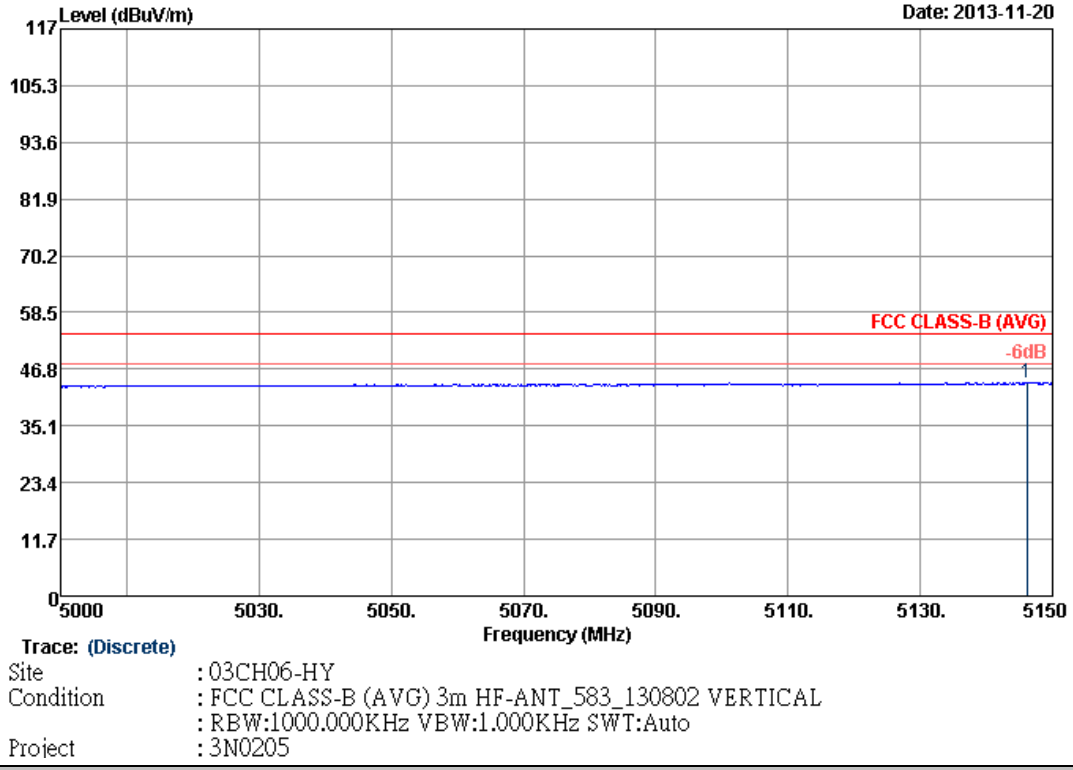


ANTENNA POLARITY : VERTICAL

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
5092.4	54.5	-19.5	74	43.12	34.4	10.37	33.39	100	89	Peak

Note: Worst case measurement on 5092.4 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

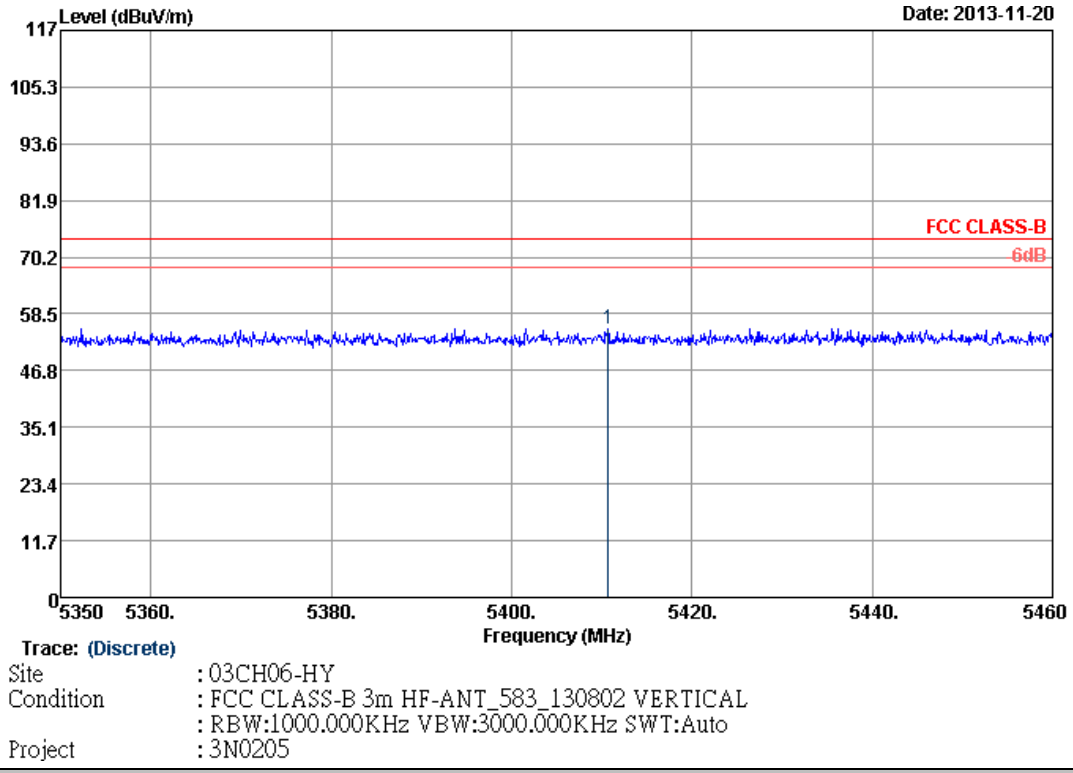


ANTENNA POLARITY : VERTICAL

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
5146.1	43.99	-10.01	54	32.45	34.45	10.44	33.35	100	89	Average

Note: Worst case measurement on 5146.1 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

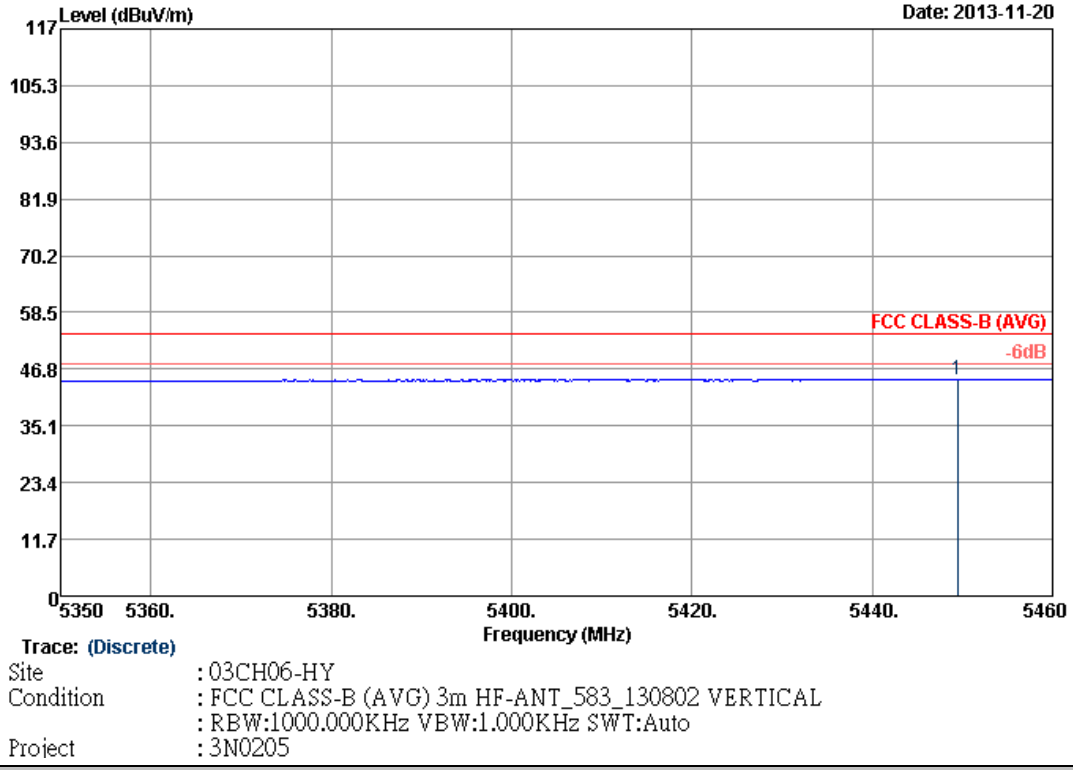


ANTENNA POLARITY : VERTICAL

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
5410.72	55.4	-18.6	74	43.12	34.7	10.82	33.24	100	89	Peak

Note: Worst case measurement on 5410.72 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

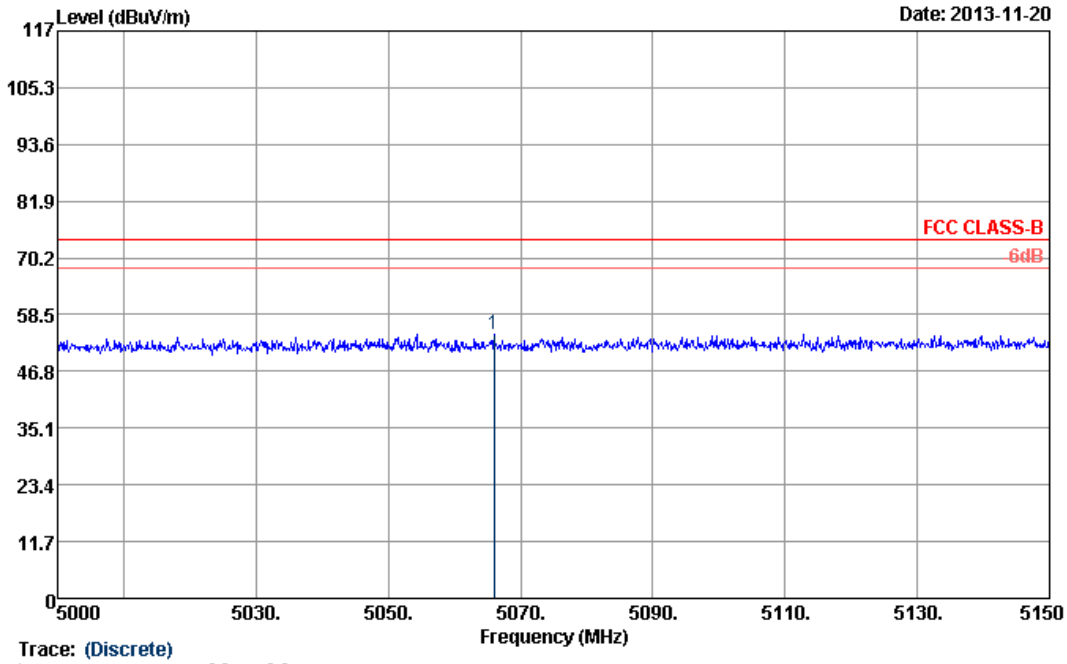


ANTENNA POLARITY : VERTICAL

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
5449.44	44.79	-9.21	54	32.41	34.75	10.86	33.23	100	89	Average

Note: Worst case measurement on 5449.44 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

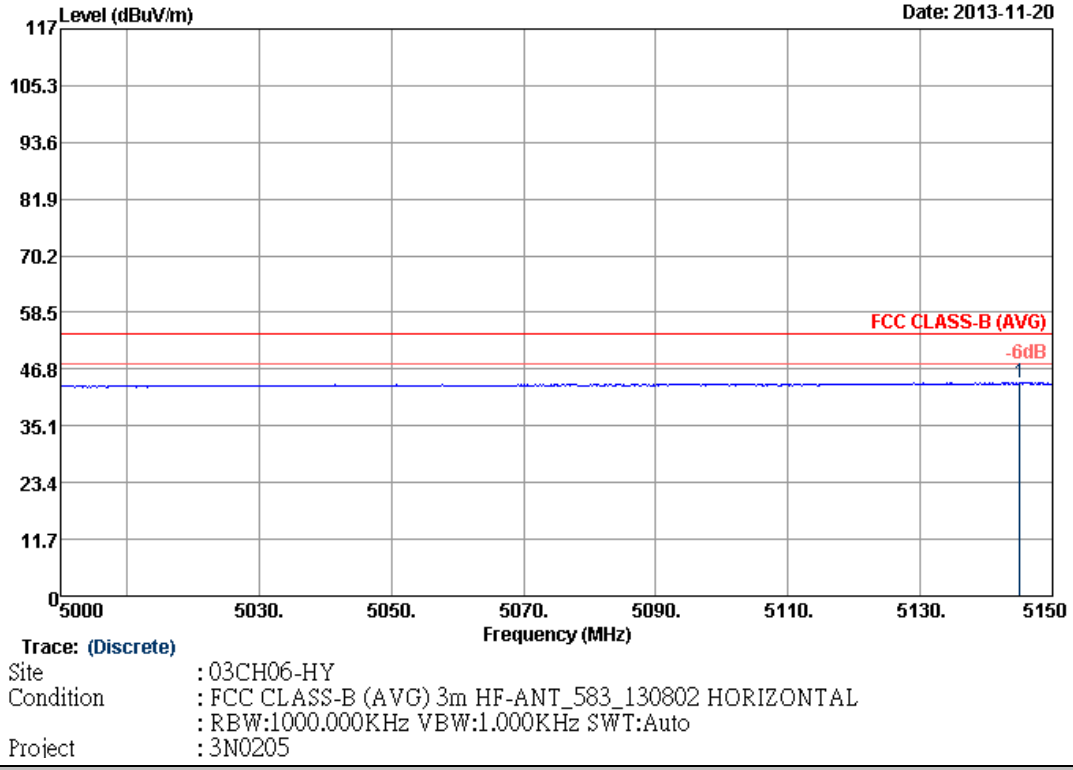


ANTENNA POLARITY : HORIZONTAL

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
5066	54.55	-19.45	74	43.28	34.37	10.3	33.4	117	272	Peak

Note: Worst case measurement on 5066 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

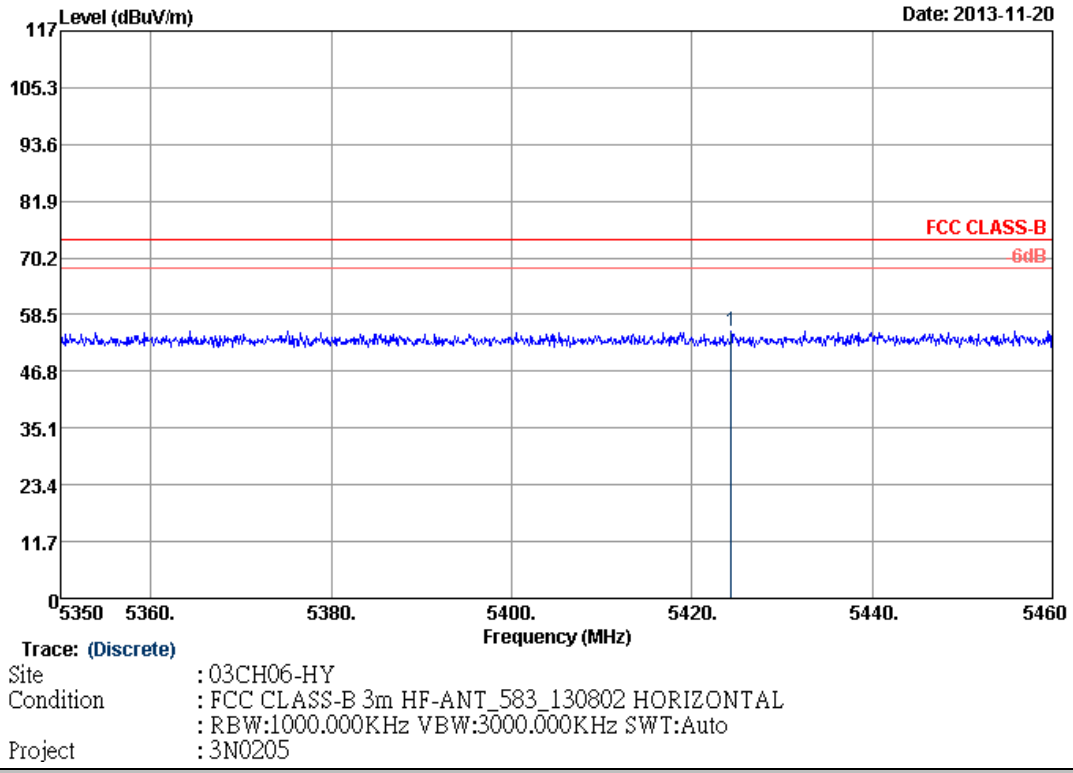


ANTENNA POLARITY : HORIZONTAL

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
5145.05	43.94	-10.06	54	32.4	34.45	10.44	33.35	117	272	Average

Note: Worst case measurement on 5145.05 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

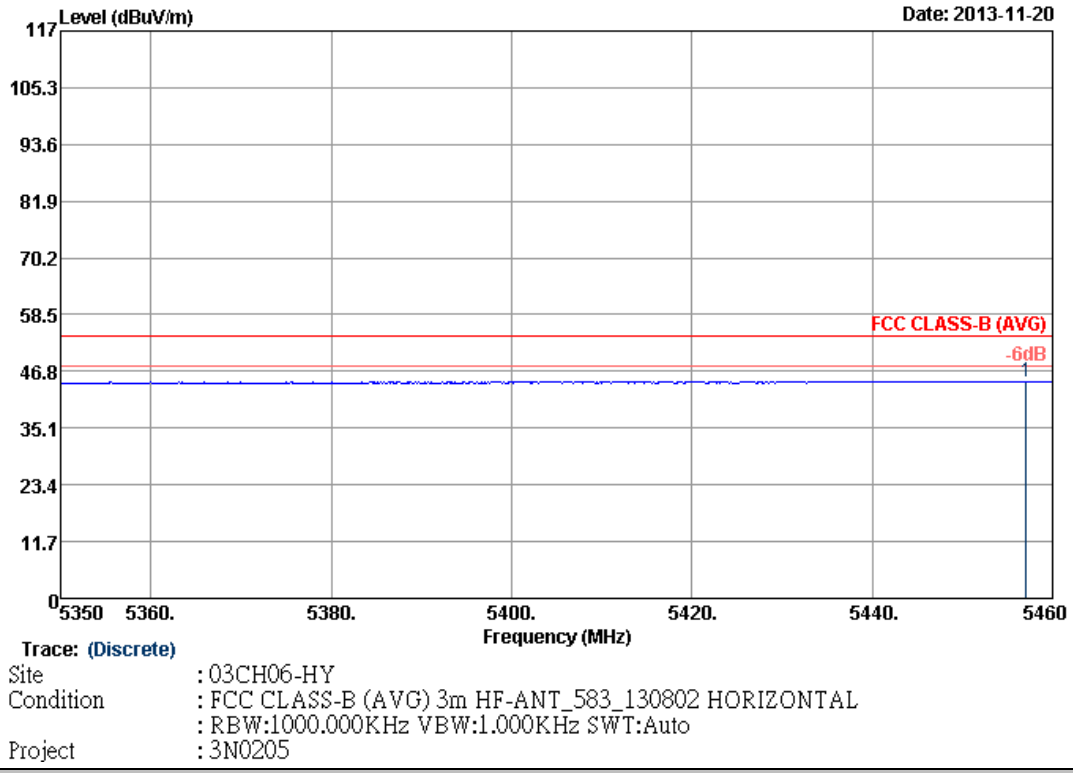


ANTENNA POLARITY : HORIZONTAL

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
5424.36	55.19	-18.81	74	42.88	34.72	10.82	33.23	117	272	Peak

Note: Worst case measurement on 5424.36 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

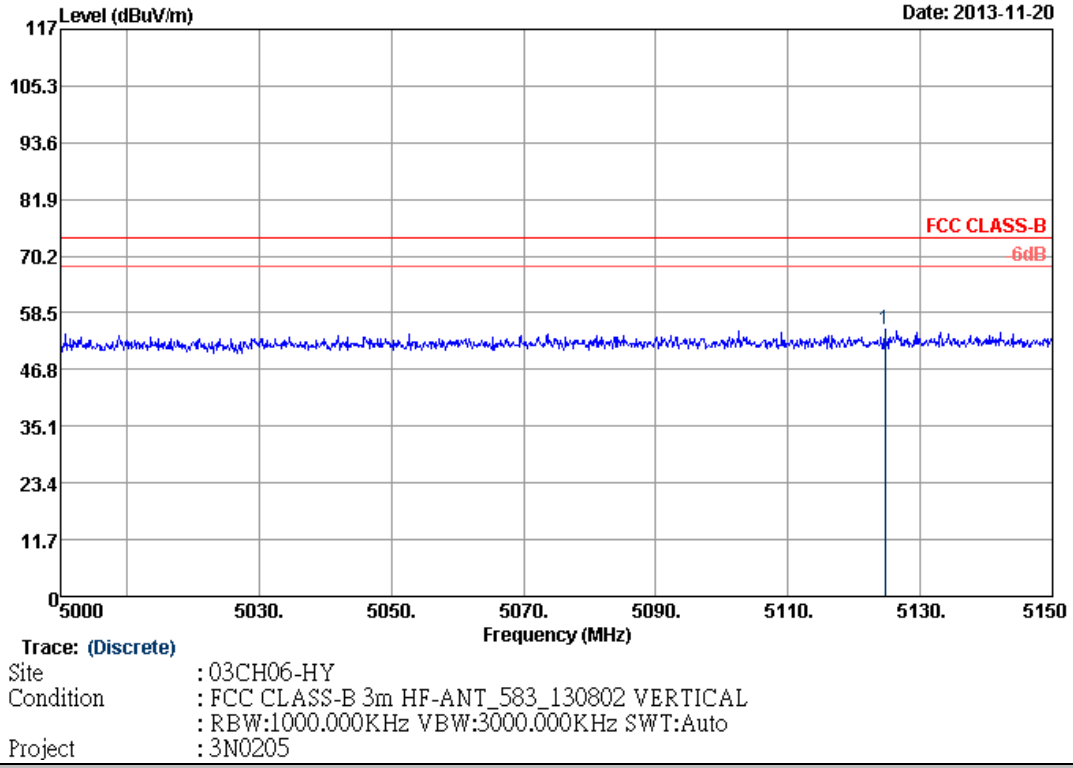


ANTENNA POLARITY : HORIZONTAL

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
5457.03	44.76	-9.24	54	32.34	34.75	10.89	33.22	117	272	Average

Note: Worst case measurement on 5457.03 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

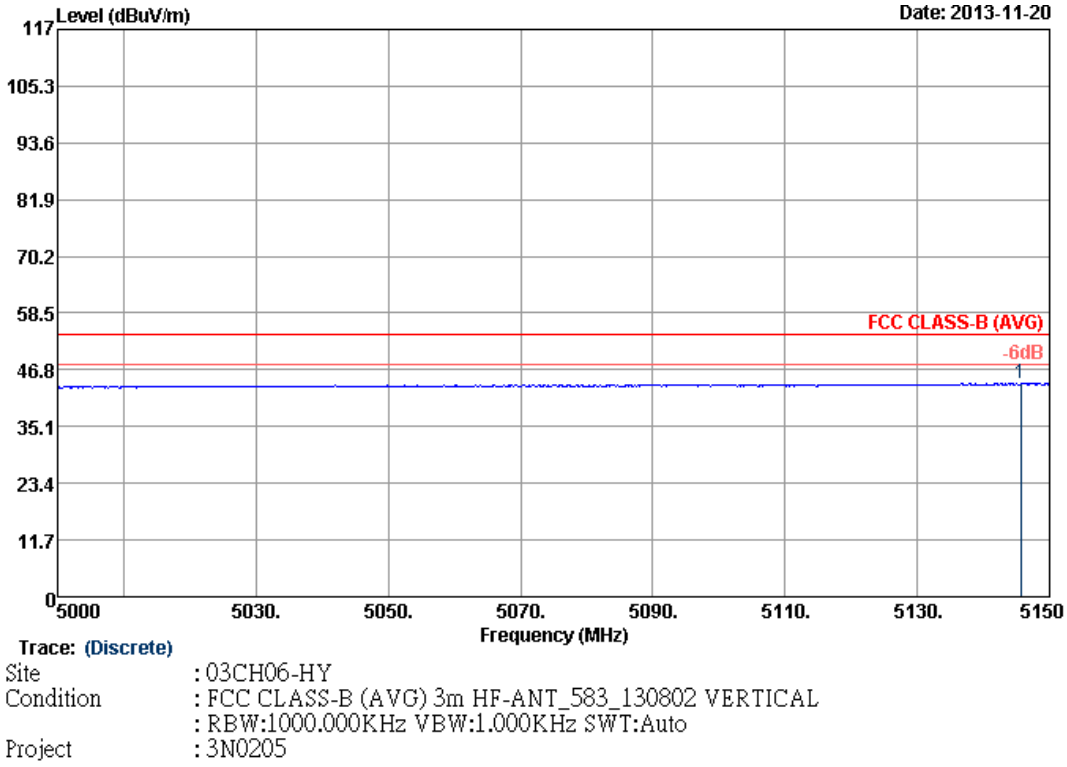


ANTENNA POLARITY : VERTICAL

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
5124.65	55.2	-18.8	74	43.73	34.43	10.4	33.36	100	90	Peak

Note: Worst case measurement on 5124.65 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

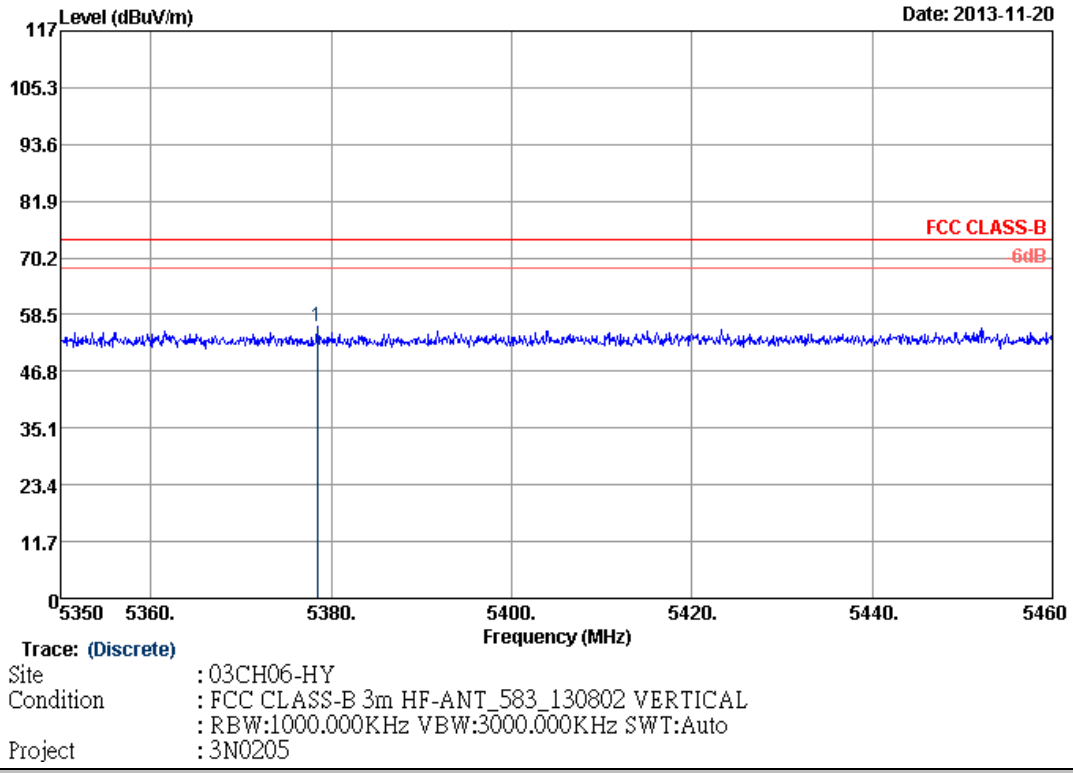


ANTENNA POLARITY : VERTICAL

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
5145.65	43.97	-10.03	54	32.43	34.45	10.44	33.35	100	90	Average

Note: Worst case measurement on 5145.65 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

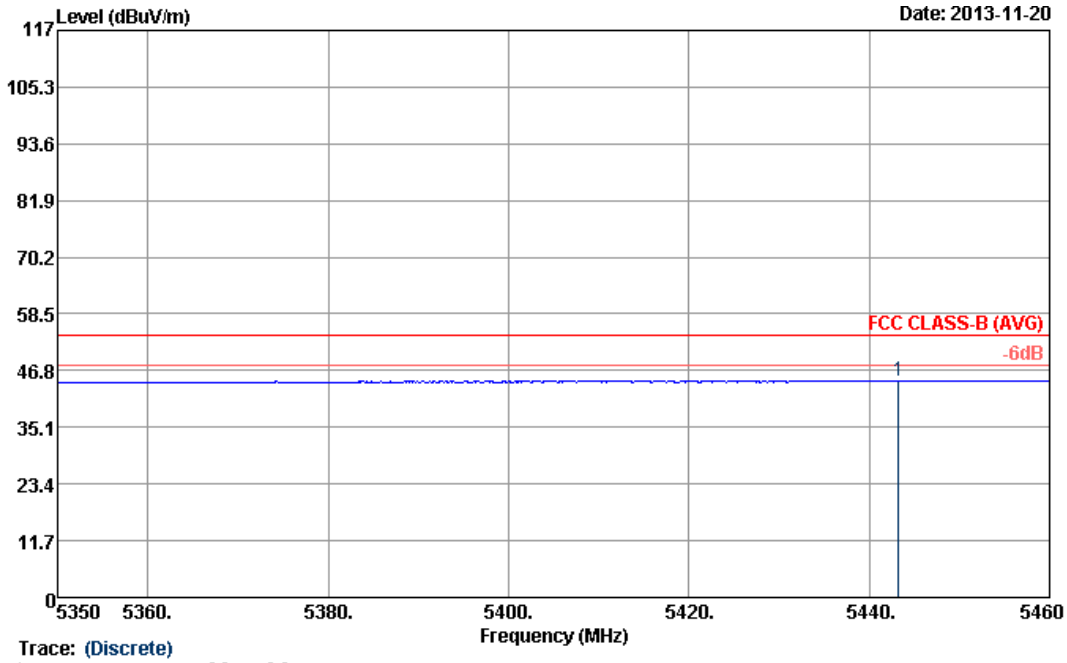


ANTENNA POLARITY : VERTICAL

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
5378.49	56.12	-17.88	74	43.94	34.68	10.75	33.25	100	90	Peak

Note: Worst case measurement on 5378.49 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

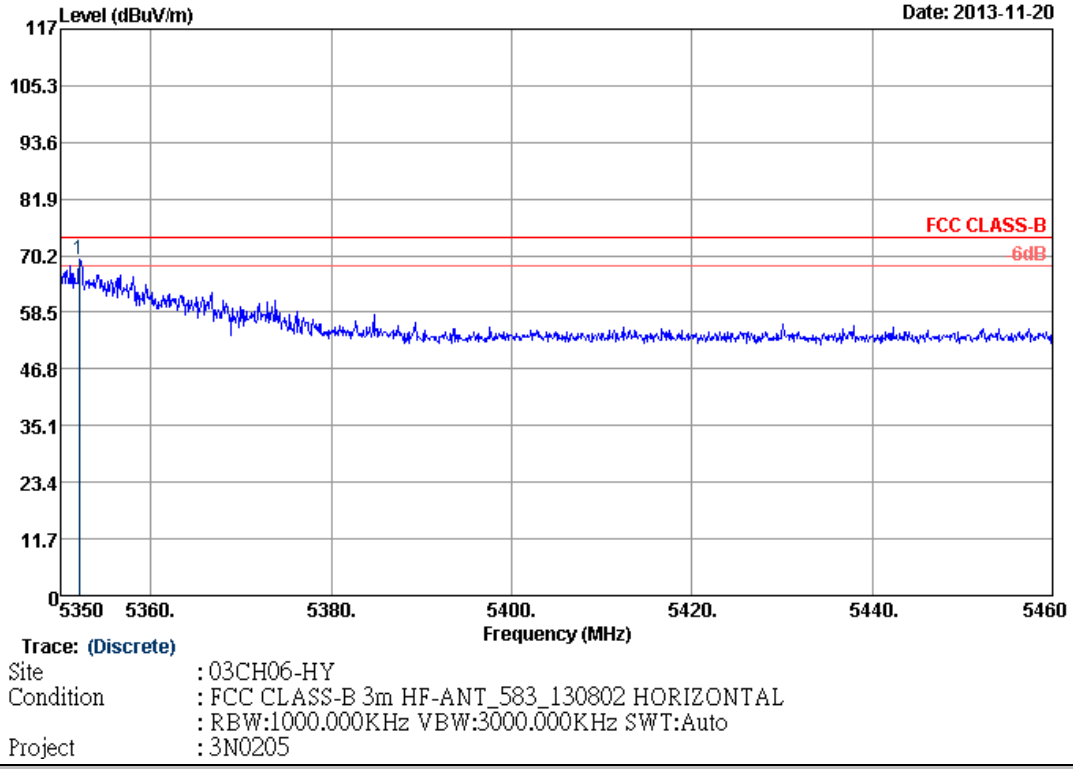


ANTENNA POLARITY : VERTICAL

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
5443.28	44.8	-9.2	54	32.44	34.73	10.86	33.23	100	90	Average

Note: Worst case measurement on 5443.28 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

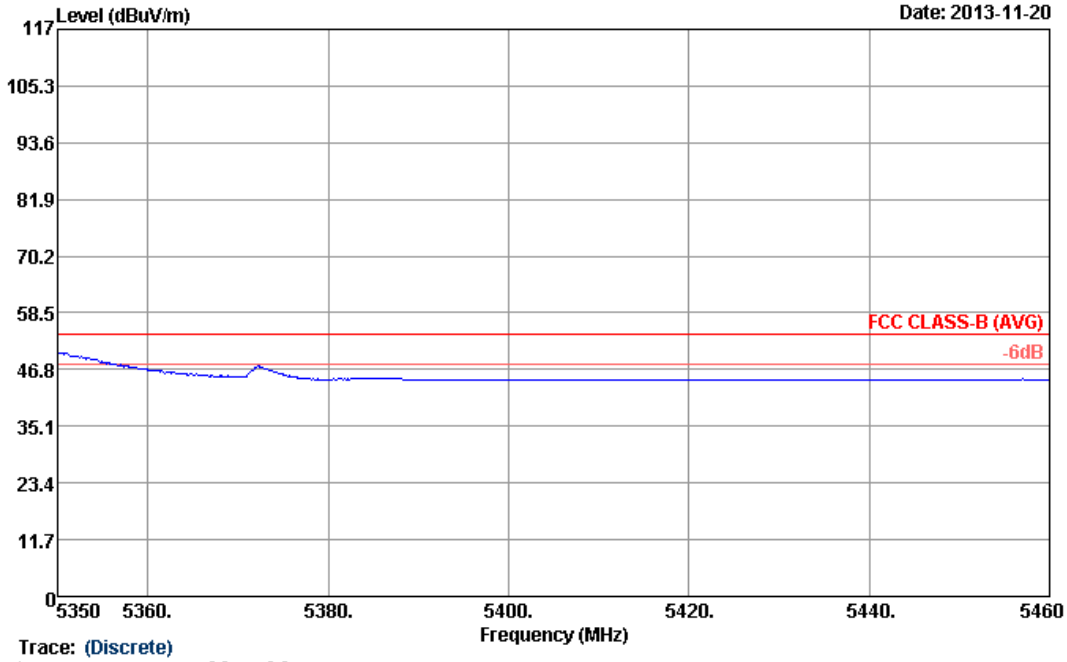


ANTENNA POLARITY : HORIZONTAL

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
5352.09	69.5	-4.5	74	57.4	34.65	10.72	33.27	100	273	Peak

Note: Worst case measurement on 5352.09 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

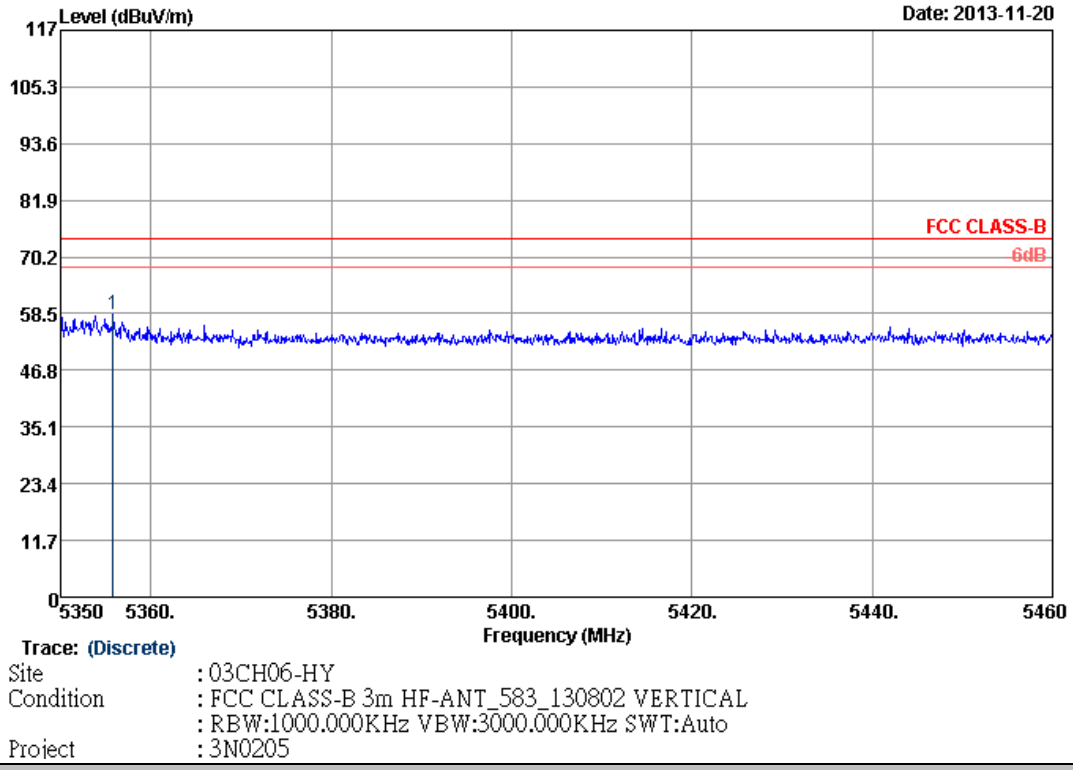


ANTENNA POLARITY : HORIZONTAL

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	50.34	-3.66	54	38.24	34.65	10.72	33.27	100	273	Average

Note: Worst case measurement on 5350 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

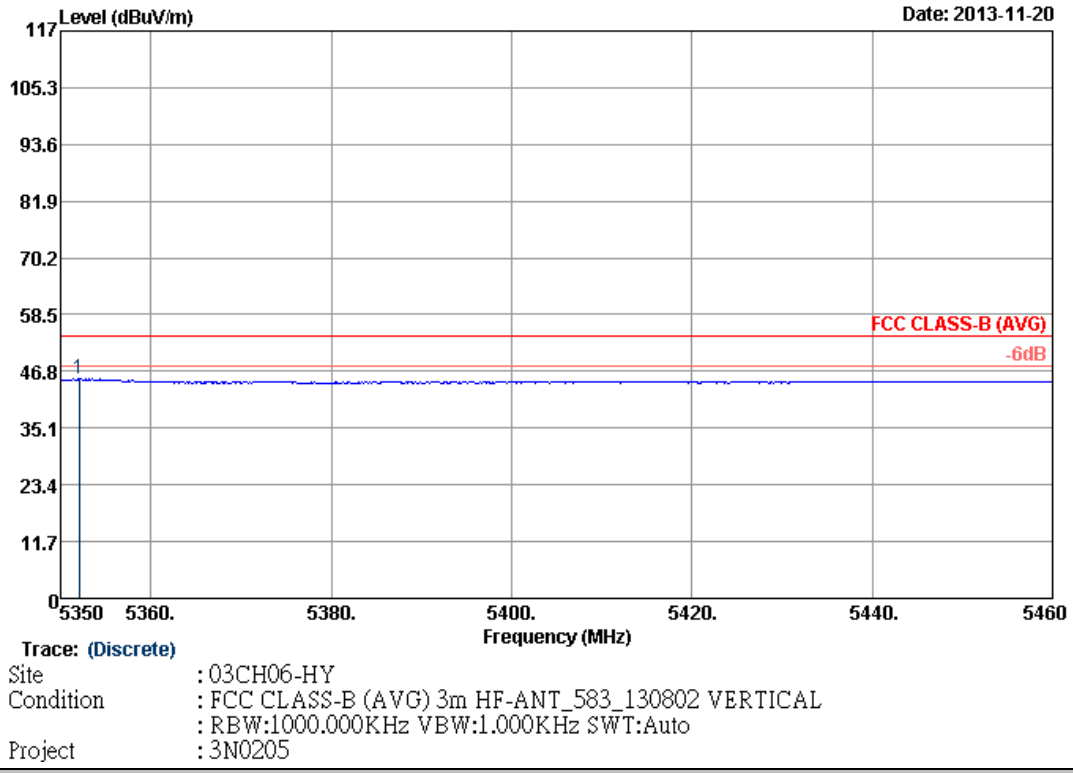


ANTENNA POLARITY : VERTICAL

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
5355.83	58.32	-15.68	74	46.22	34.65	10.72	33.27	100	343	Peak

Note: Worst case measurement on 5355.83 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

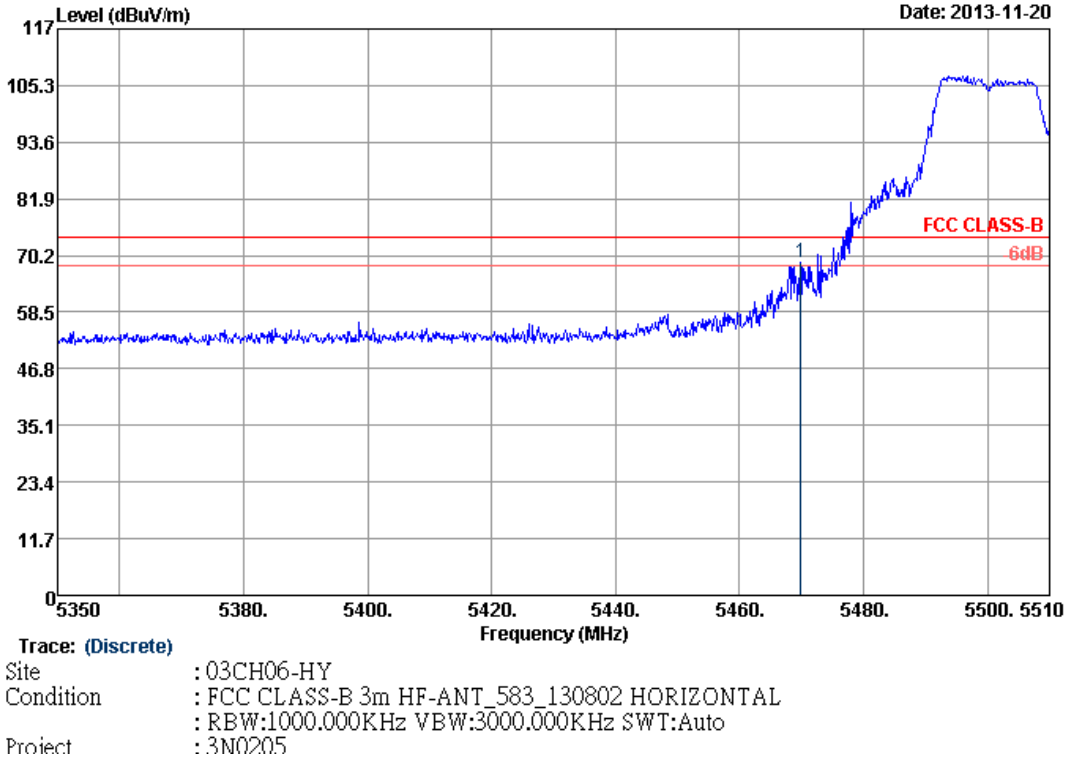


ANTENNA POLARITY : VERTICAL

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
5352.09	45.23	-8.77	54	33.13	34.65	10.72	33.27	100	343	Average

Note: Worst case measurement on 5352.09 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

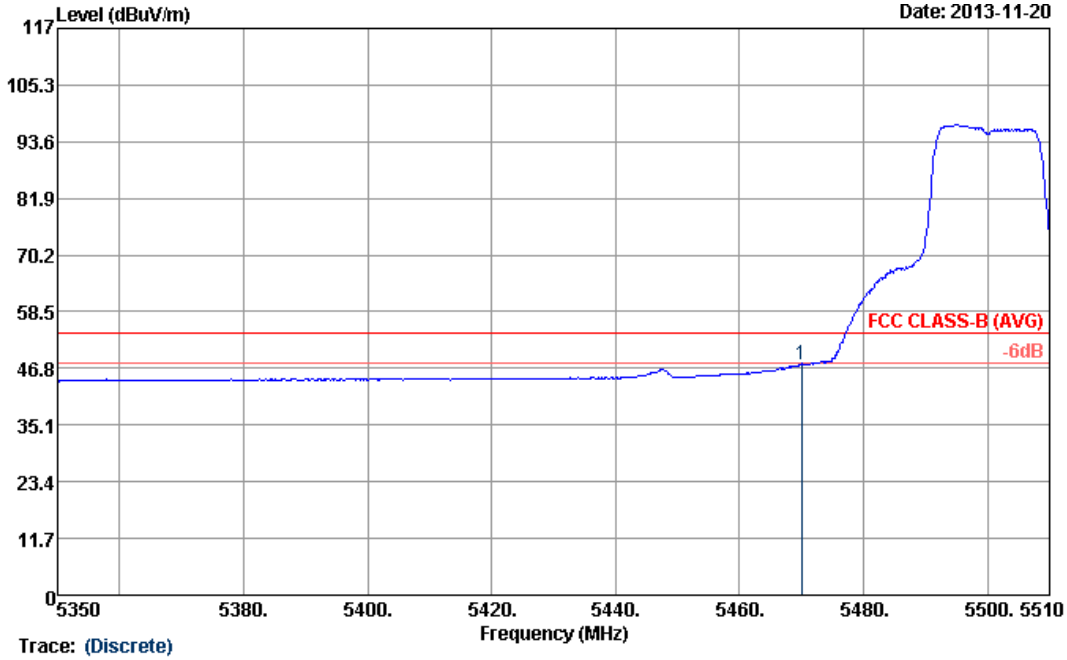


ANTENNA POLARITY : HORIZONTAL

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
5469.84	68.9	-5.1	74	56.46	34.77	10.89	33.22	100	348	Peak

Note: Worst case measurement on 5469.84 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

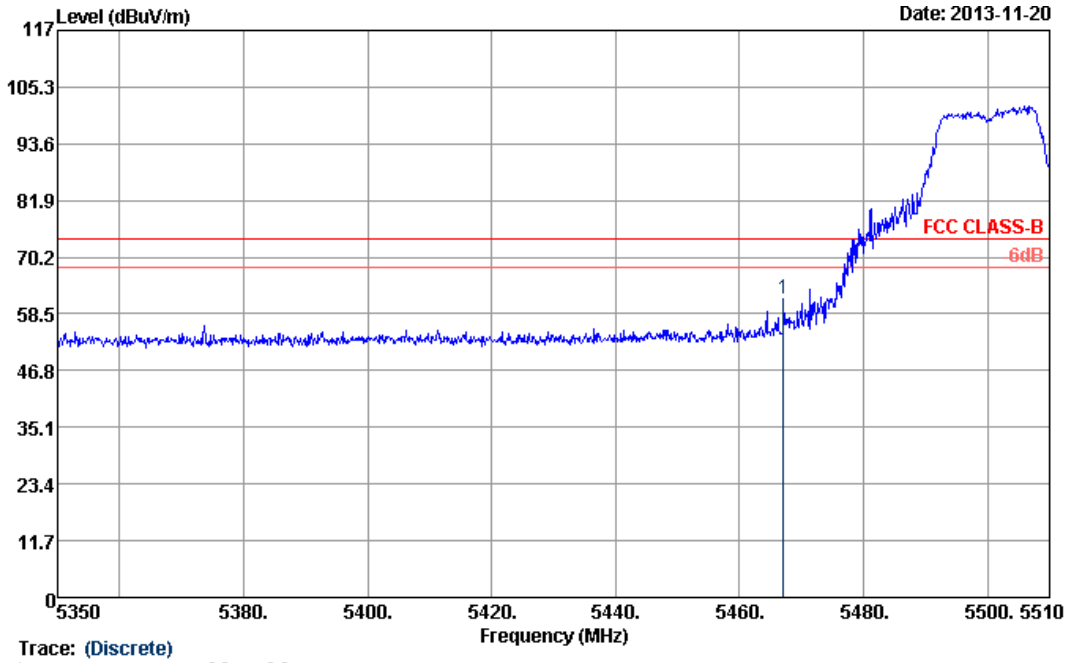


ANTENNA POLARITY : HORIZONTAL

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	47.66	-6.34	54	35.22	34.77	10.89	33.22	100	348	Average

Note: Worst case measurement on 5470 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

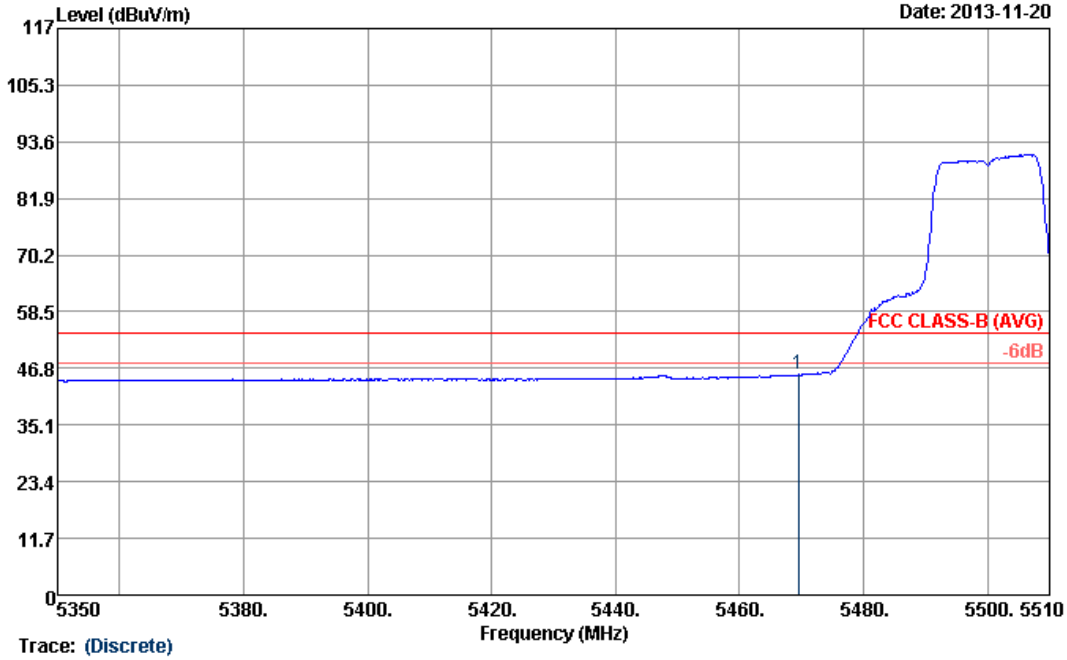


ANTENNA POLARITY : VERTICAL

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
5467.12	61.74	-12.26	74	49.3	34.77	10.89	33.22	103	312	Peak

Note: Worst case measurement on 5467.12 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

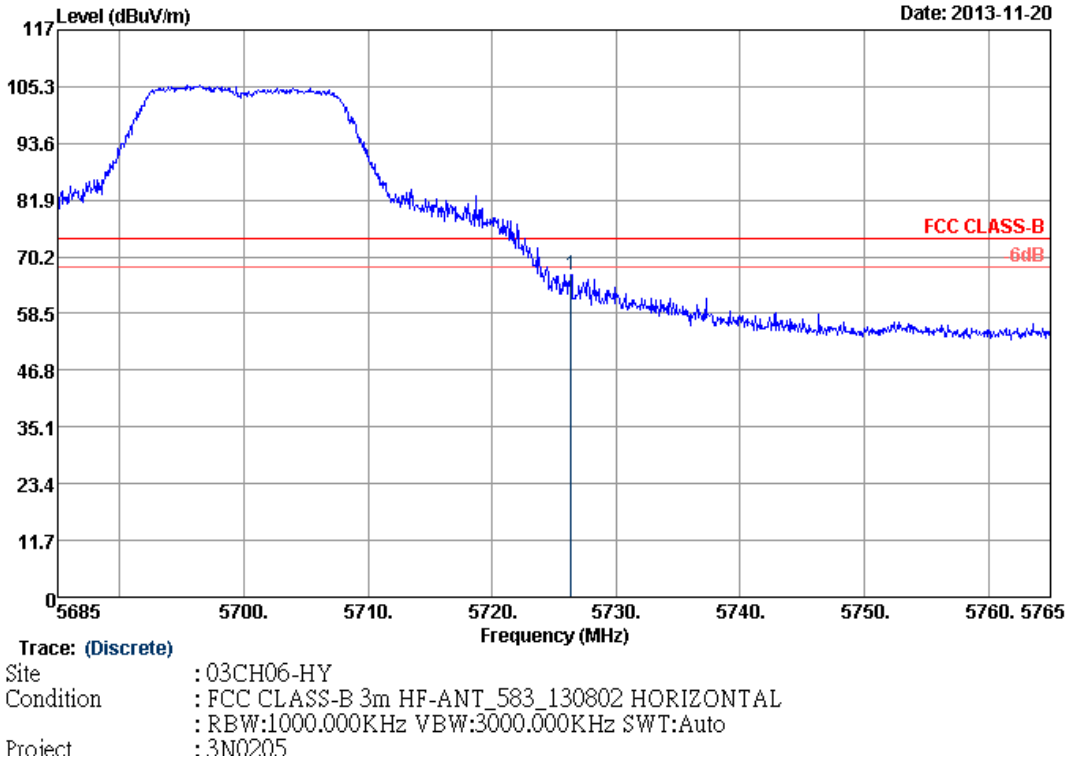


ANTENNA POLARITY : VERTICAL

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
5469.52	45.62	-8.38	54	33.18	34.77	10.89	33.22	103	312	Average

Note: Worst case measurement on 5469.52 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

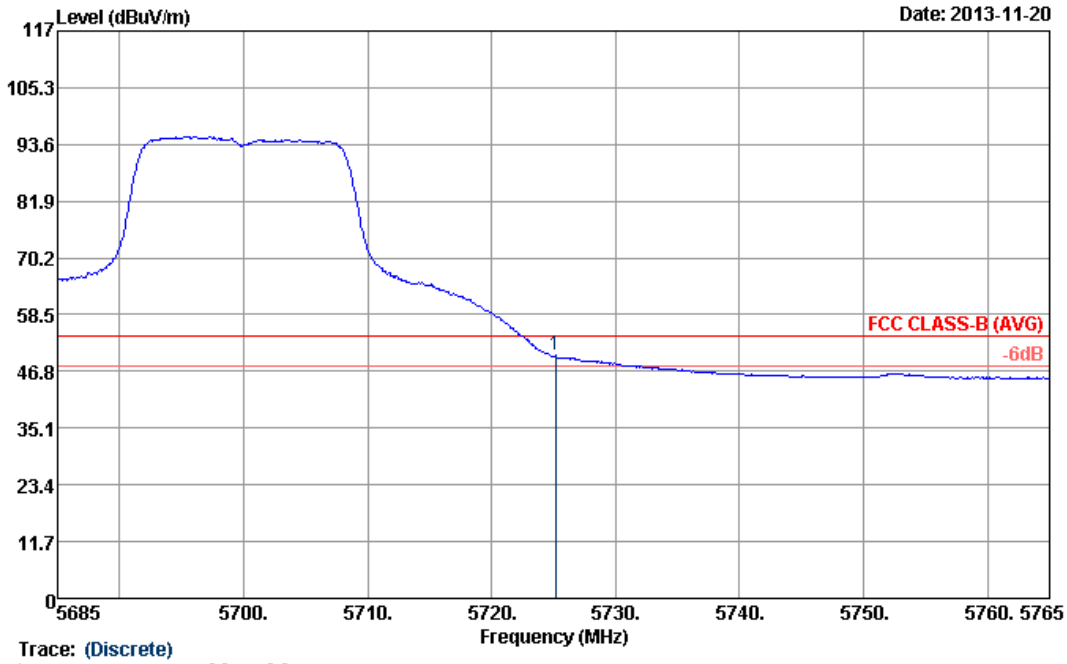


ANTENNA POLARITY : HORIZONTAL

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
5726.36	66.57	-7.43	74	53.5	35.02	11.34	33.29	100	335	Peak

Note: Worst case measurement on 5726.36 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

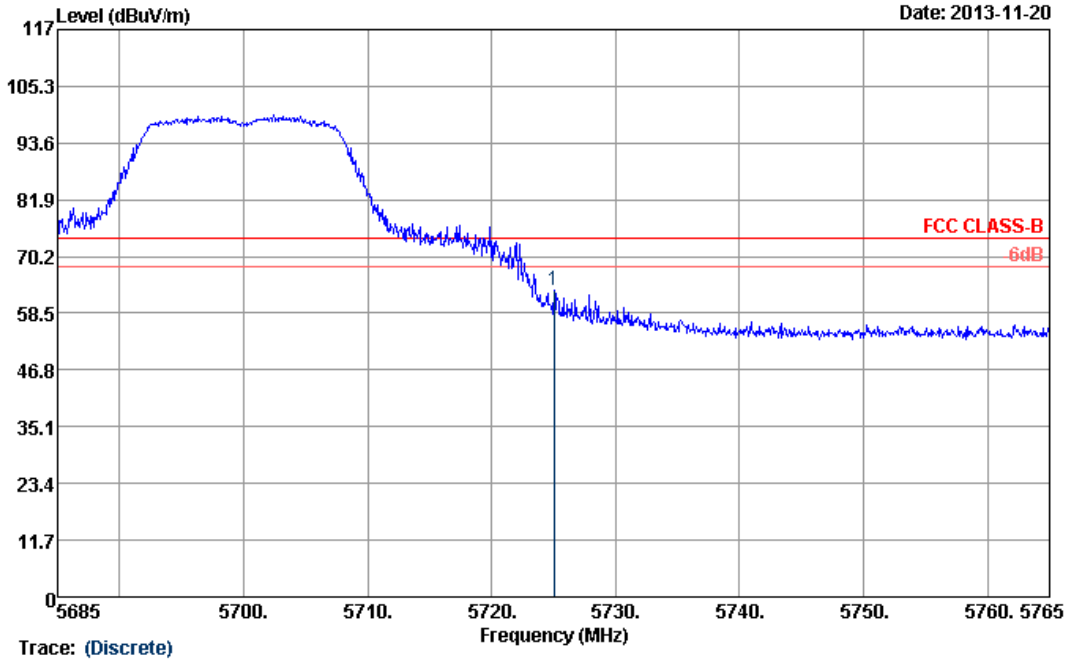


ANTENNA POLARITY : HORIZONTAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.16	50.09	-3.91	54	37.02	35.02	11.34	33.29	100	335	Average

Note: Worst case measurement on 5725.16 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

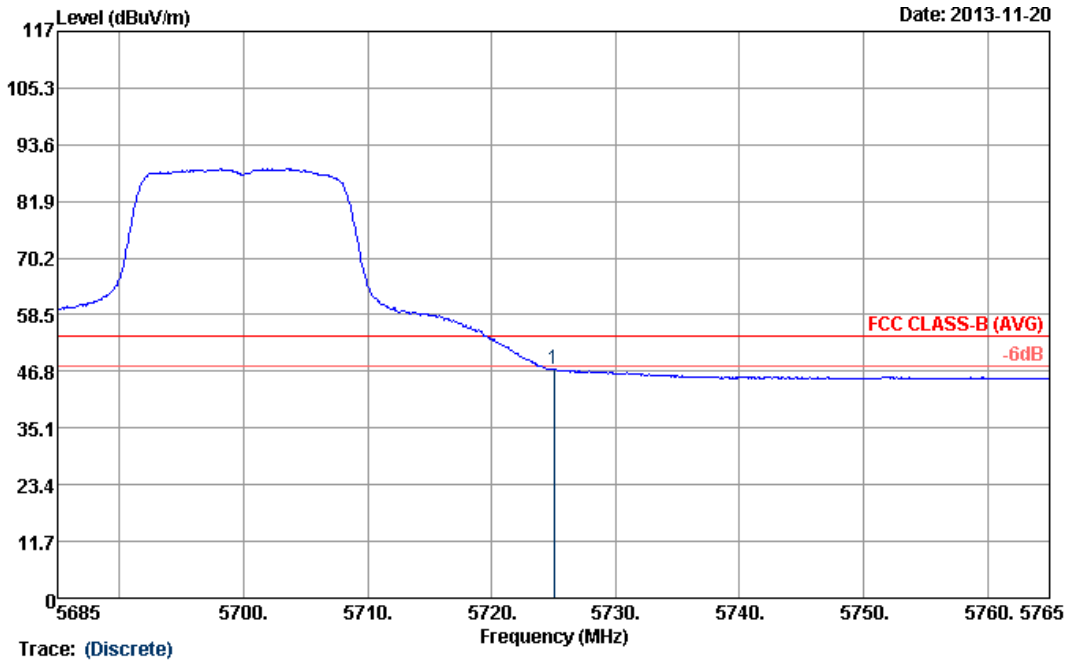


ANTENNA POLARITY : VERTICAL

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	63.2	-10.8	74	50.13	35.02	11.34	33.29	100	314	Peak

Note: Worst case measurement on 5725 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11a	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

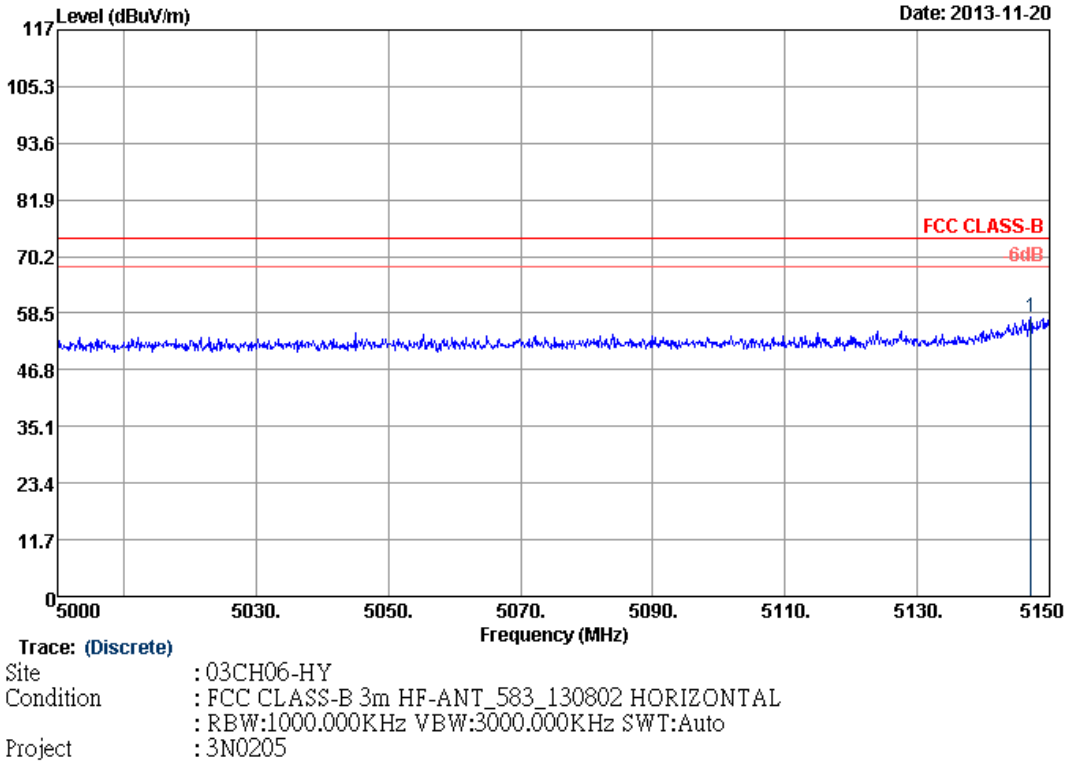


ANTENNA POLARITY : VERTICAL

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	47.15	-6.85	54	34.08	35.02	11.34	33.29	100	314	Average

Note: Worst case measurement on 5725 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu



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
5147.15	57.78	-16.22	74	46.24	34.45	10.44	33.35	105	290	Peak

Note: Worst case measurement on 5147.15 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

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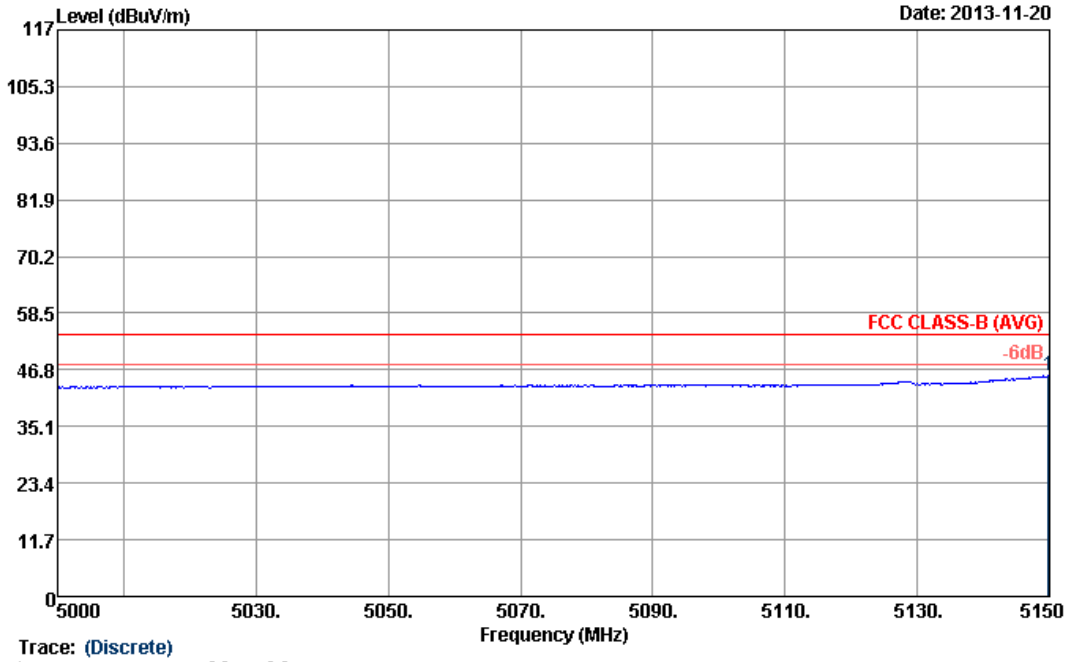
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

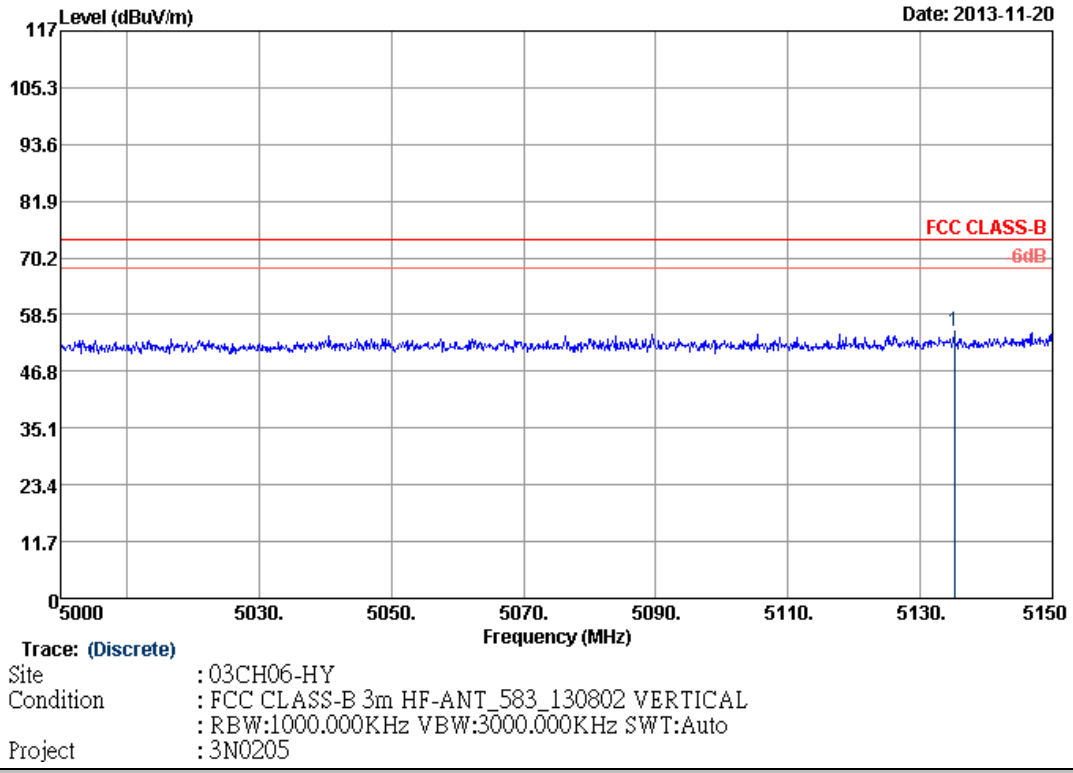


ANTENNA POLARITY : HORIZONTAL

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
5149.85	45.57	-8.43	54	34.03	34.45	10.44	33.35	105	290	Average

Note: Worst case measurement on 5149.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

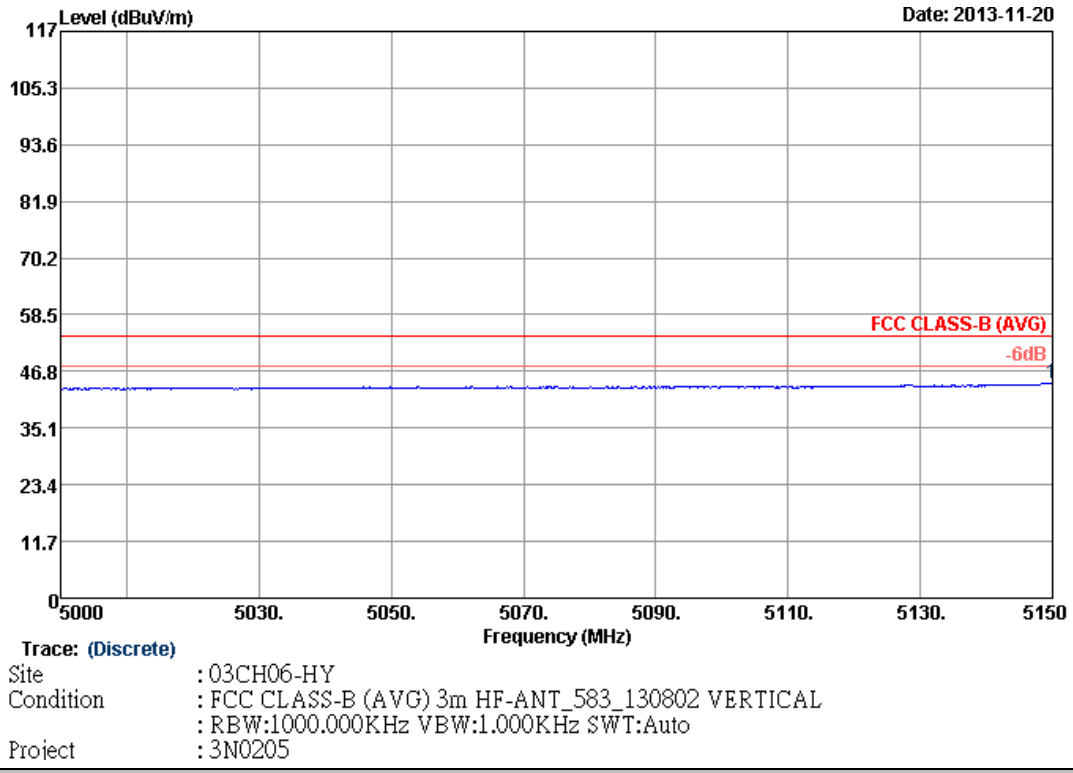


ANTENNA POLARITY : VERTICAL

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
5135.15	55.07	-18.93	74	43.6	34.43	10.4	33.36	102	90	Peak

Note: Worst case measurement on 5135.15 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	36	Test Engineer :	Marlboro Hsu

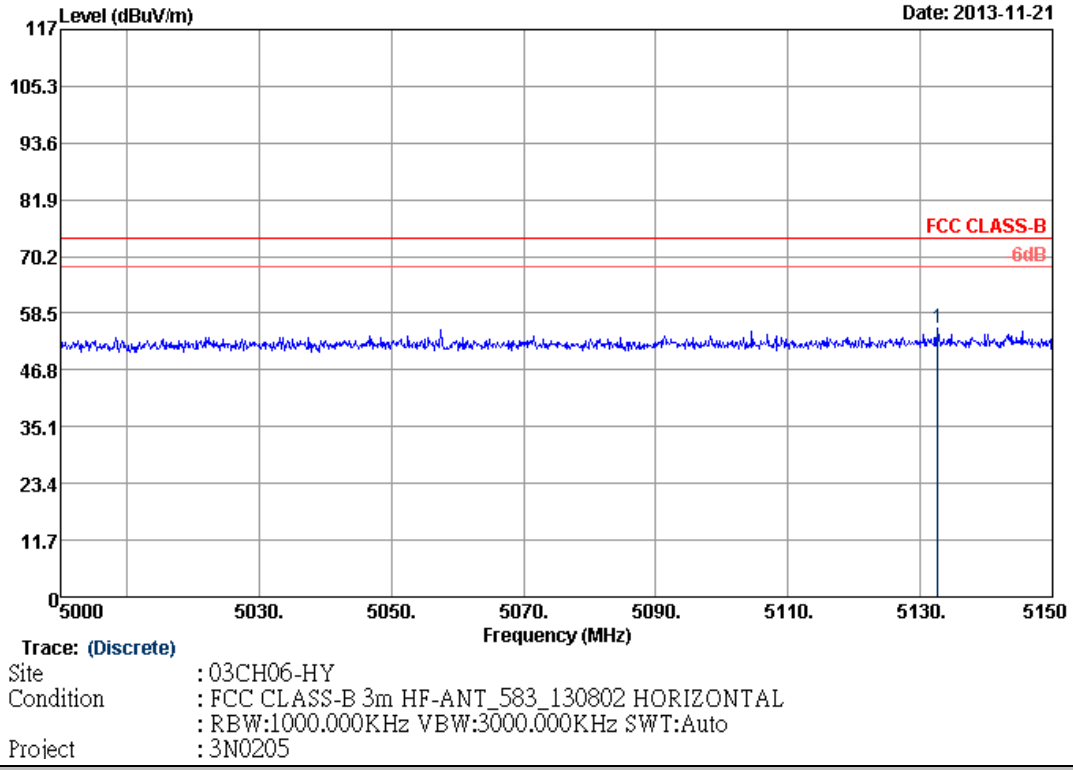


ANTENNA POLARITY : VERTICAL

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	44.39	-9.61	54	32.85	34.45	10.44	33.35	102	90	Average

Note: Worst case measurement on 5150 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

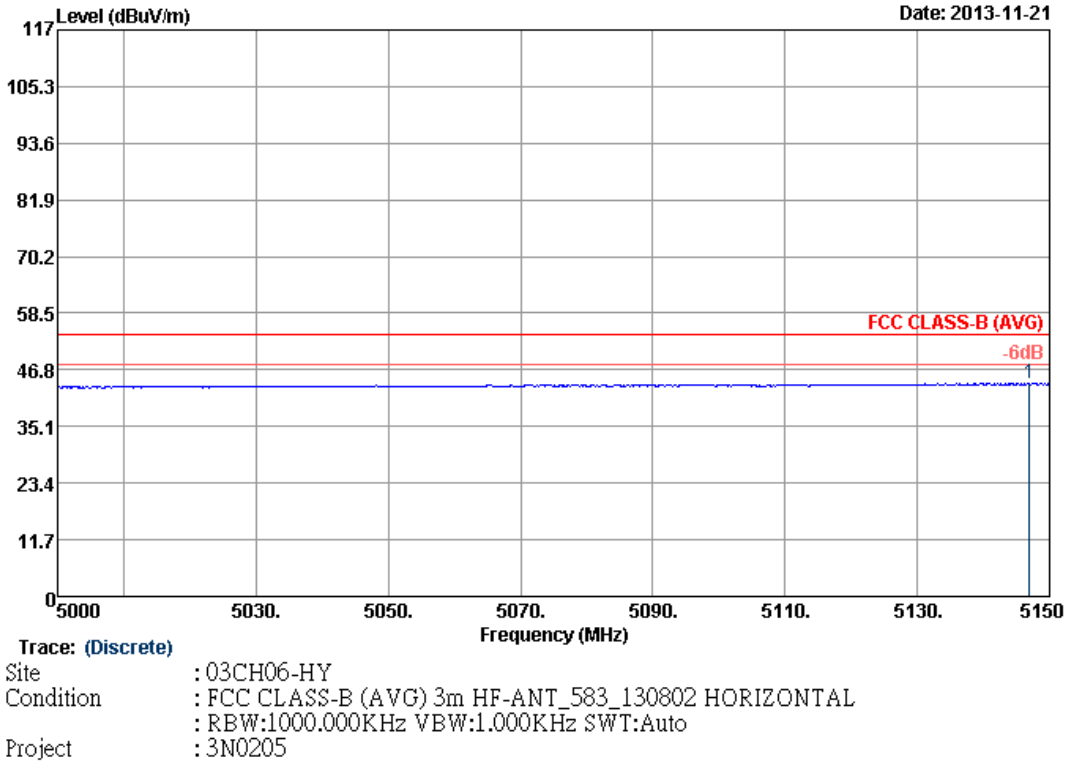


ANTENNA POLARITY : HORIZONTAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5132.6	55.38	-18.62	74	43.91	34.43	10.4	33.36	117	292	Peak

Note: Worst case measurement on 5132.6 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

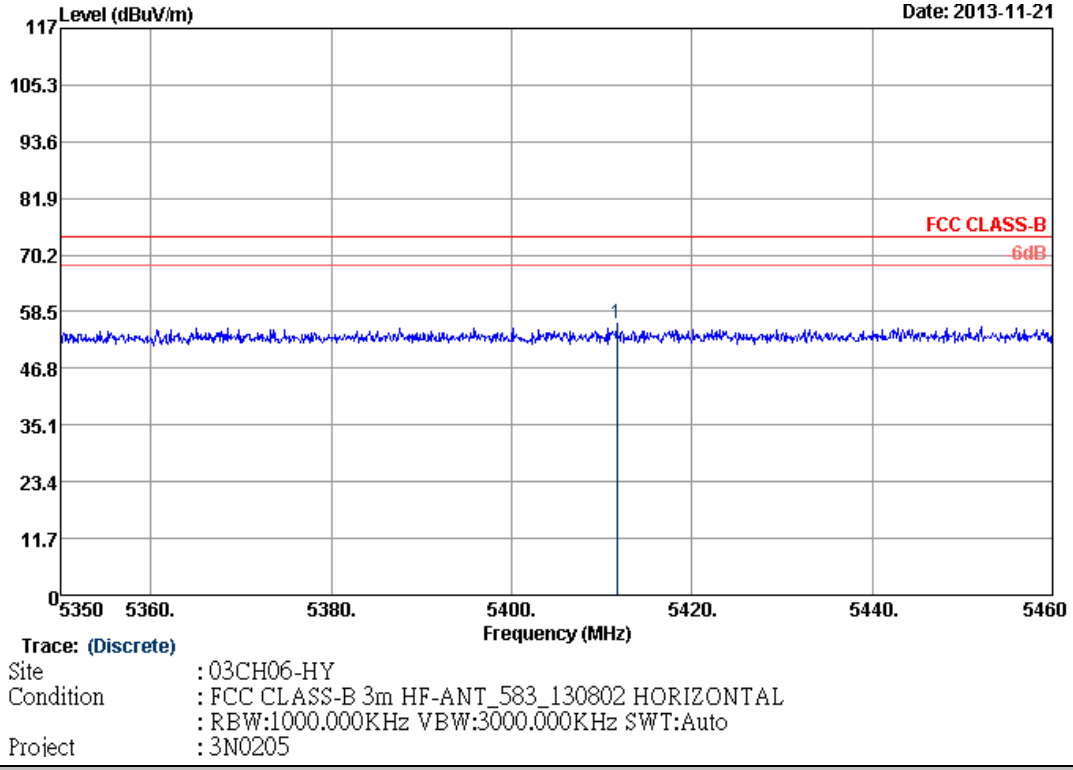


ANTENNA POLARITY : HORIZONTAL

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	43.93	-10.07	54	32.39	34.45	10.44	33.35	117	292	Average

Note: Worst case measurement on 5147 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

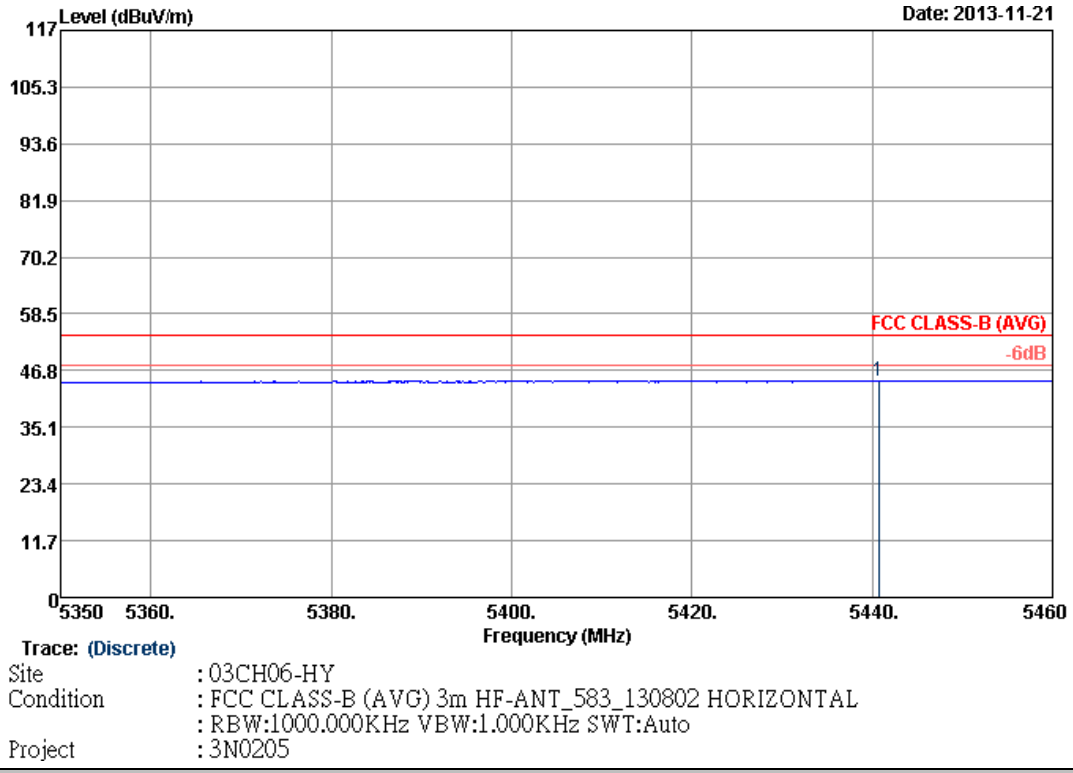


ANTENNA POLARITY : HORIZONTAL

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
5411.71	56.05	-17.95	74	43.75	34.72	10.82	33.24	117	292	Peak

Note: Worst case measurement on 5411.71 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

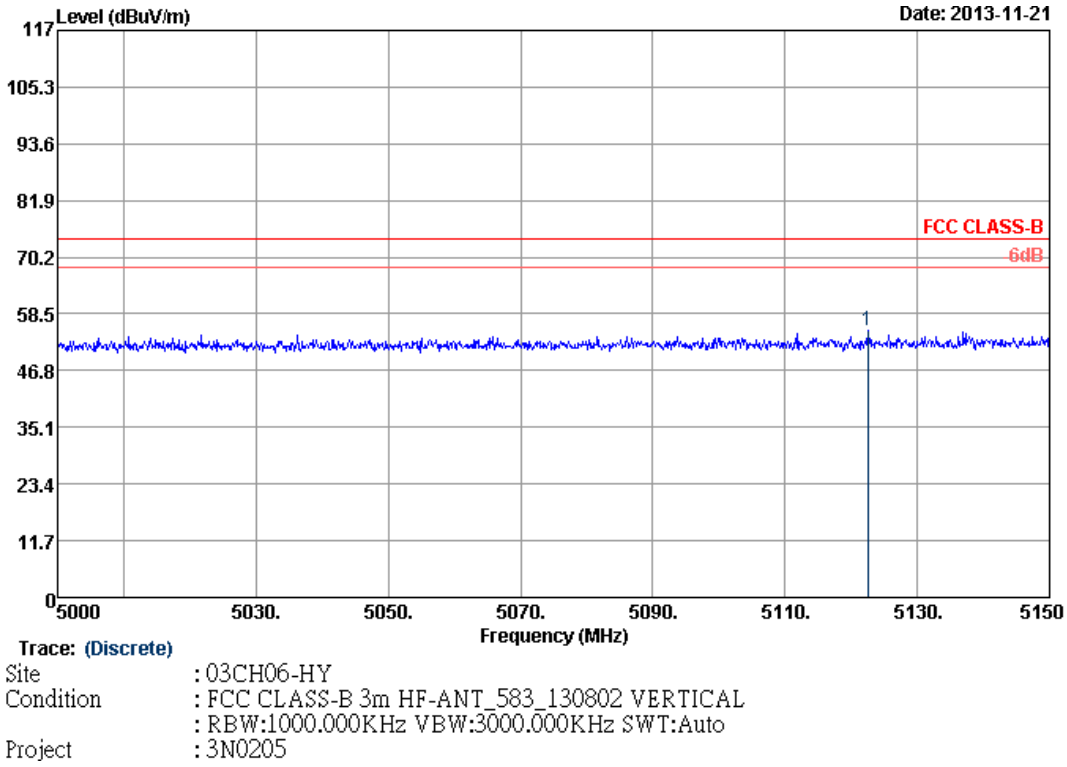


ANTENNA POLARITY : HORIZONTAL

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
5440.75	44.78	-9.22	54	32.42	34.73	10.86	33.23	117	292	Average

Note: Worst case measurement on 5440.75 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

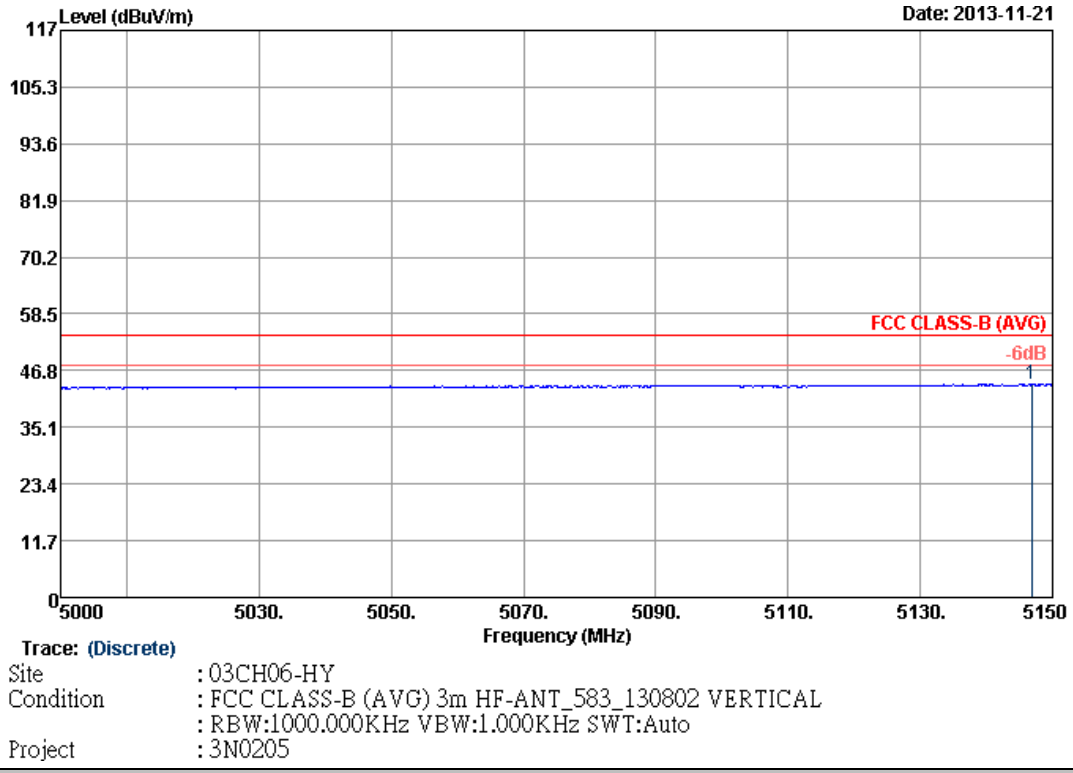


ANTENNA POLARITY : VERTICAL

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
5122.55	54.95	-19.05	74	43.48	34.43	10.4	33.36	100	90	Peak

Note: Worst case measurement on 5122.55 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

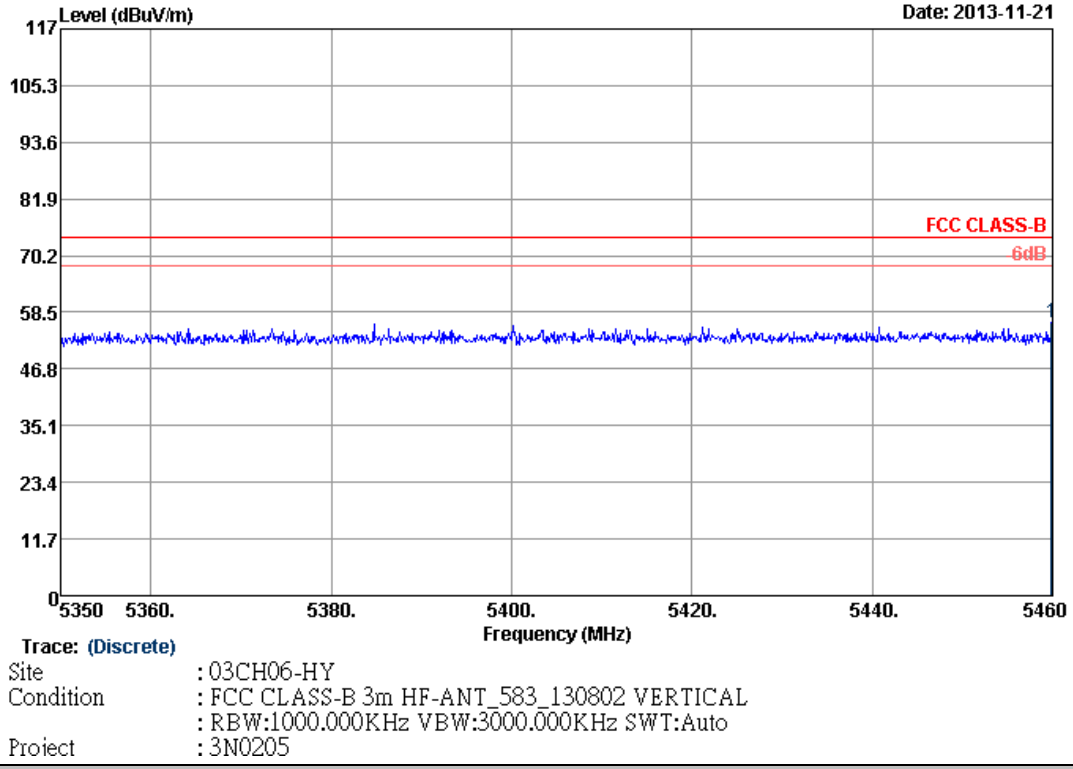


ANTENNA POLARITY : VERTICAL

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
5146.85	43.95	-10.05	54	32.41	34.45	10.44	33.35	100	90	Average

Note: Worst case measurement on 5146.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

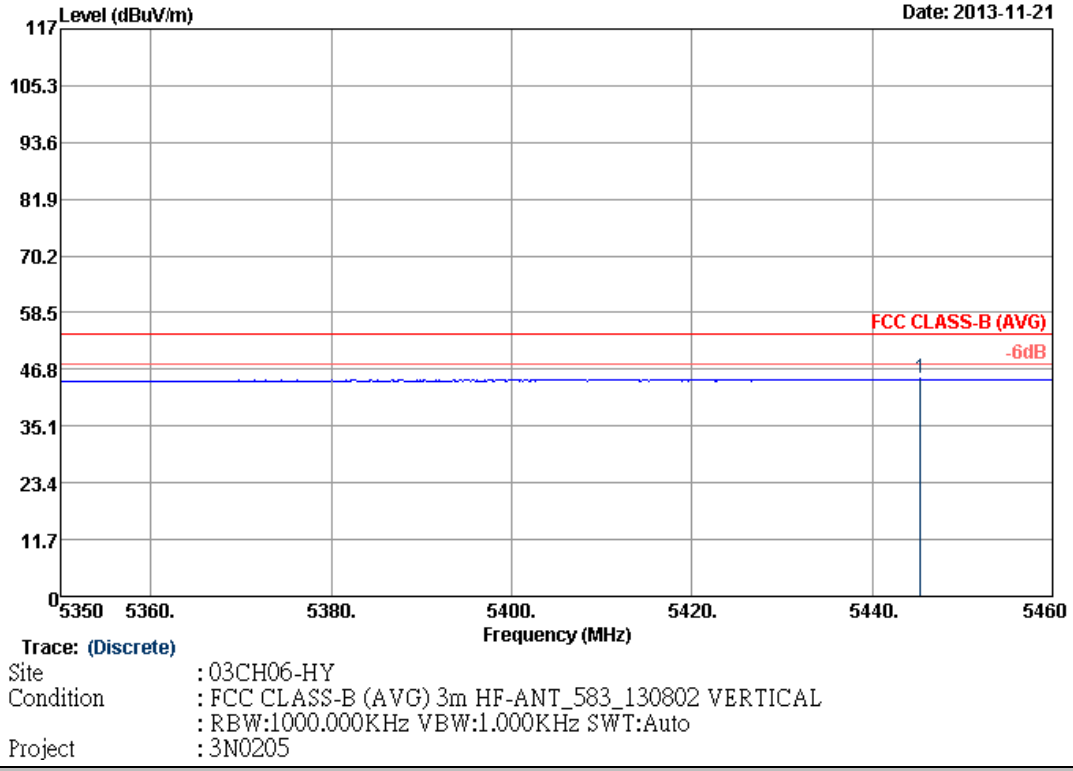


ANTENNA POLARITY : VERTICAL

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
5459.89	56.52	-17.48	74	44.1	34.75	10.89	33.22	100	90	Peak

Note: Worst case measurement on 5459.89 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	48	Test Engineer :	Marlboro Hsu

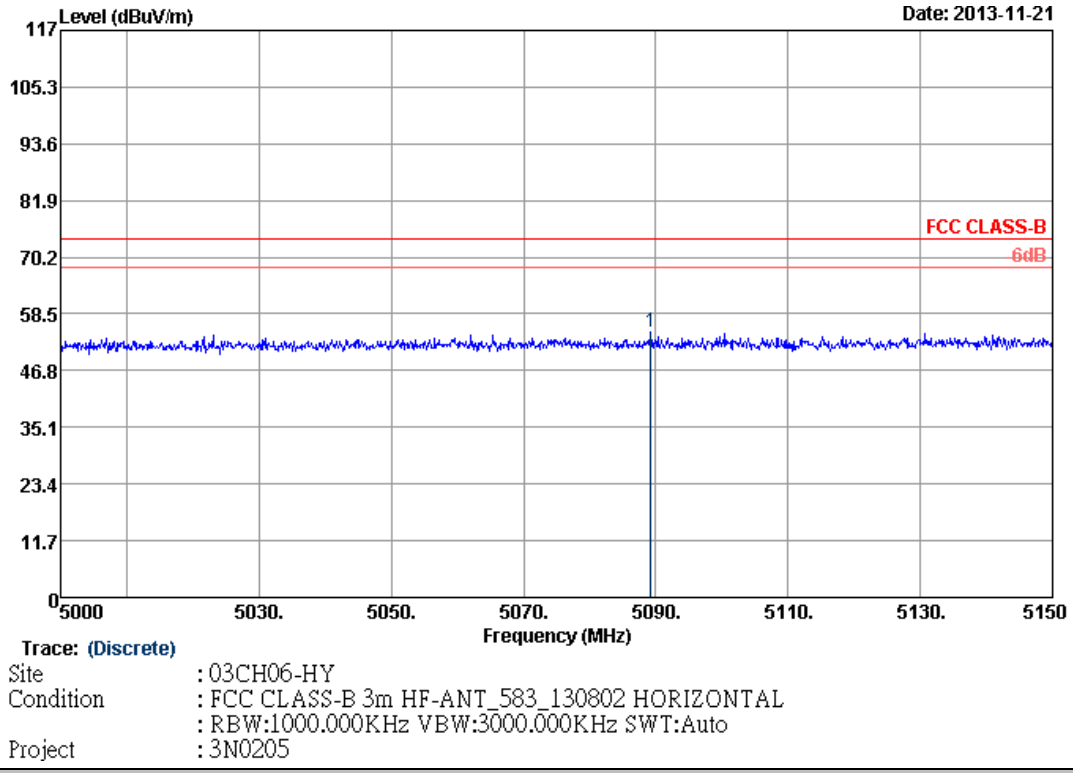


ANTENNA POLARITY : VERTICAL

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
5445.37	44.81	-9.19	54	32.45	34.73	10.86	33.23	100	90	Average

Note: Worst case measurement on 5445.37 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

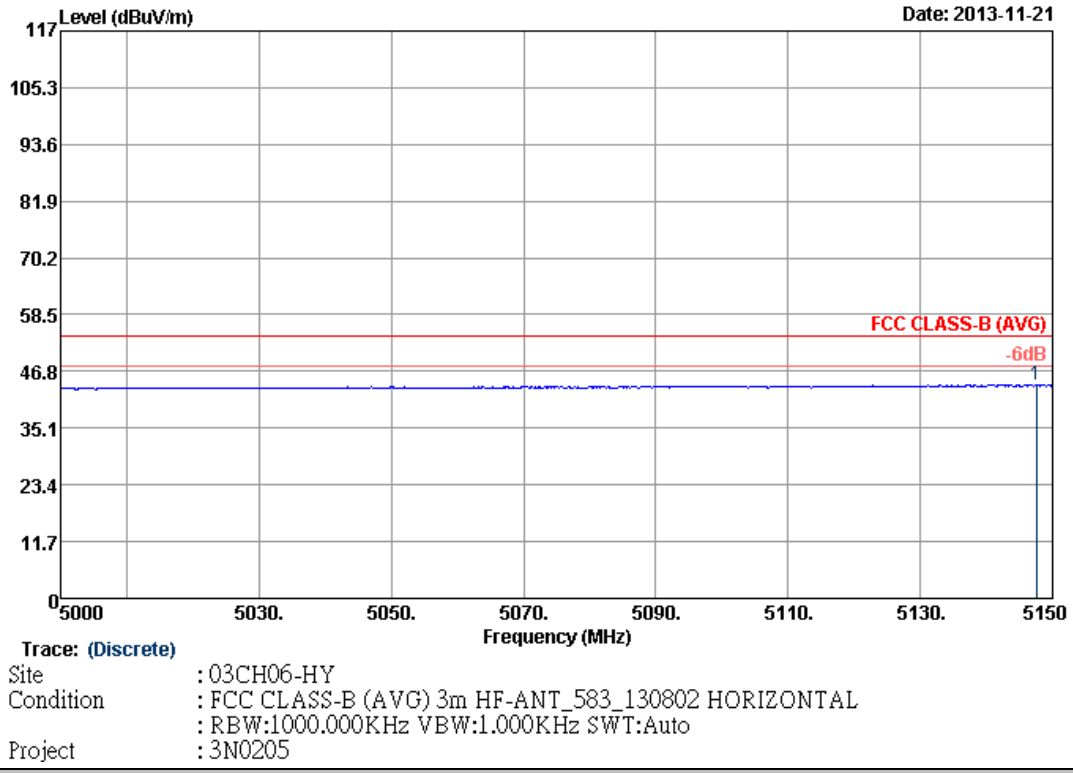


ANTENNA POLARITY : HORIZONTAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5089.25	54.83	-19.17	74	43.49	34.4	10.33	33.39	103	273	Peak

Note: Worst case measurement on 5089.25 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

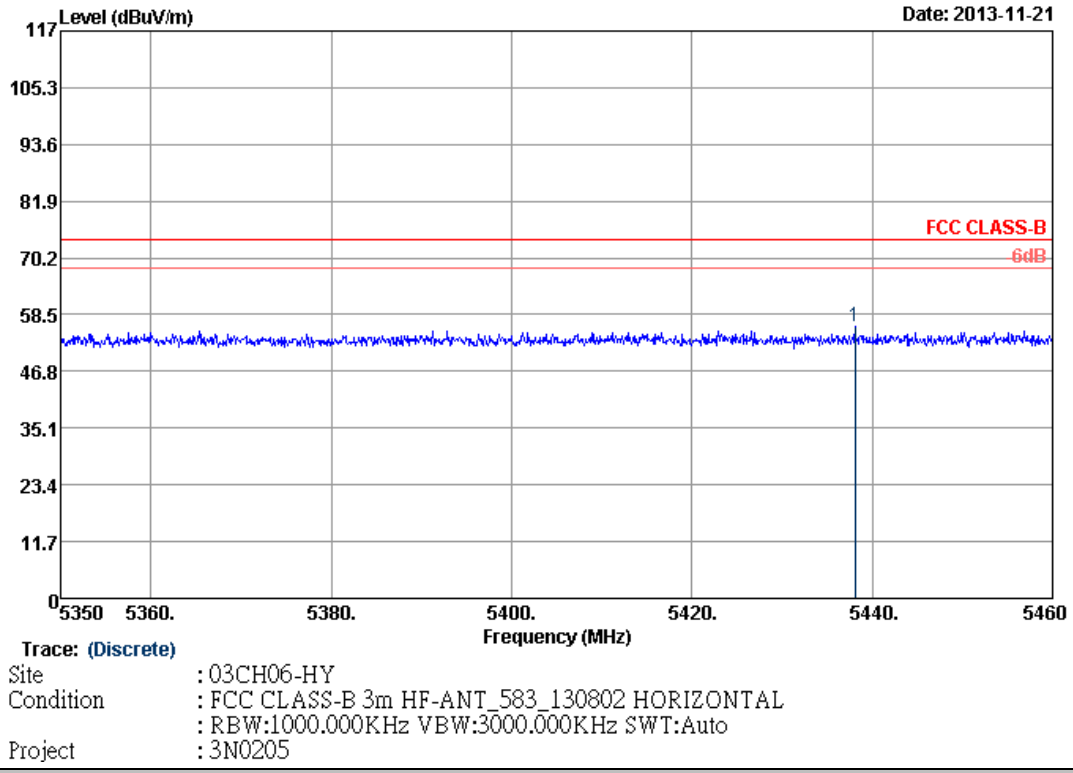


ANTENNA POLARITY : HORIZONTAL

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
5147.6	43.97	-10.03	54	32.43	34.45	10.44	33.35	103	273	Average

Note: Worst case measurement on 5147.6 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

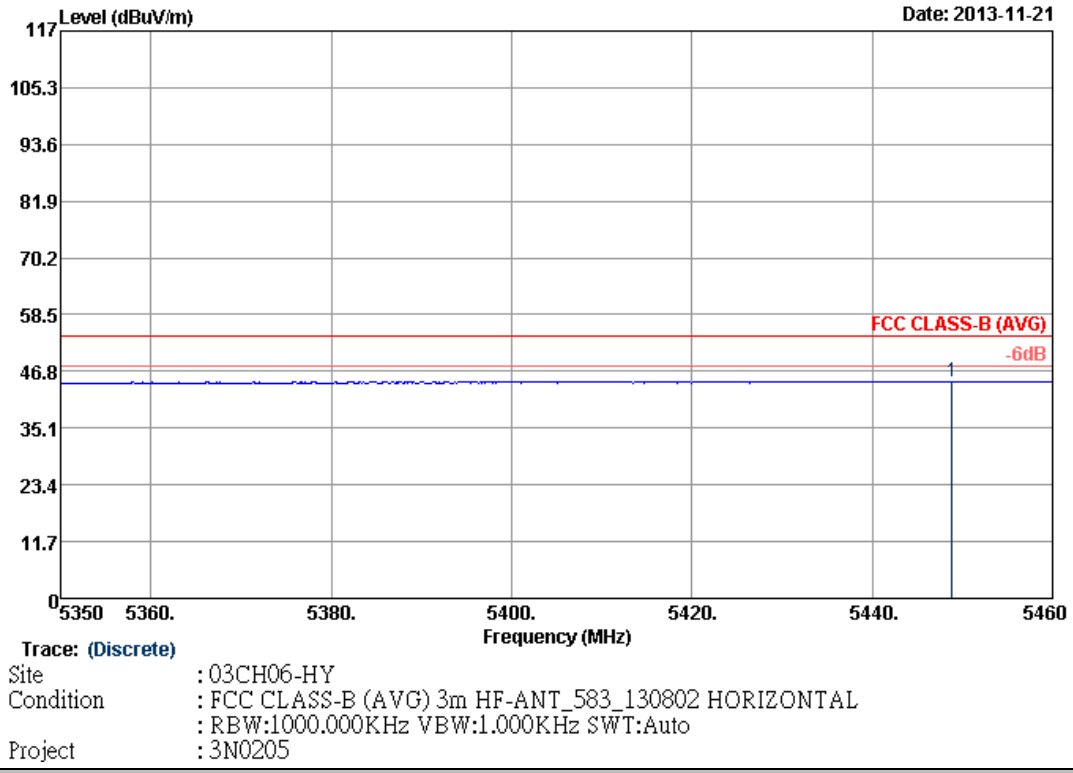


ANTENNA POLARITY : HORIZONTAL

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
5438.11	56.15	-17.85	74	43.79	34.73	10.86	33.23	103	273	Peak

Note: Worst case measurement on 5438.11 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

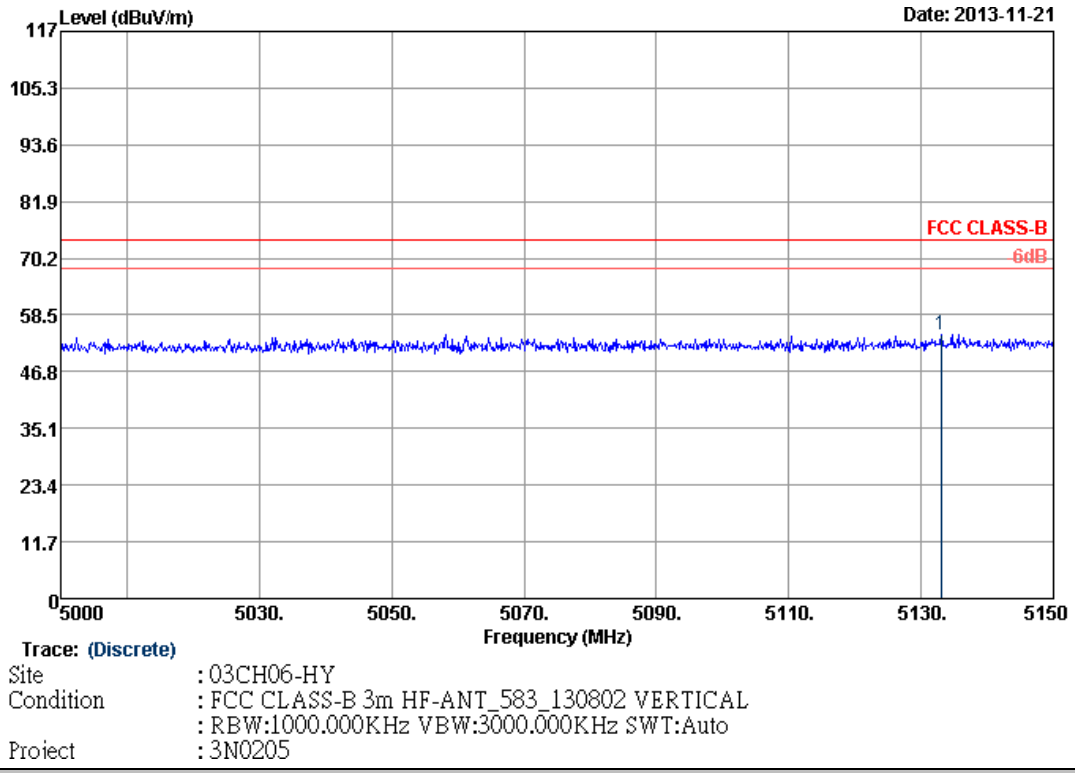


ANTENNA POLARITY : HORIZONTAL

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
5448.89	44.81	-9.19	54	32.43	34.75	10.86	33.23	103	273	Average

Note: Worst case measurement on 5448.89 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

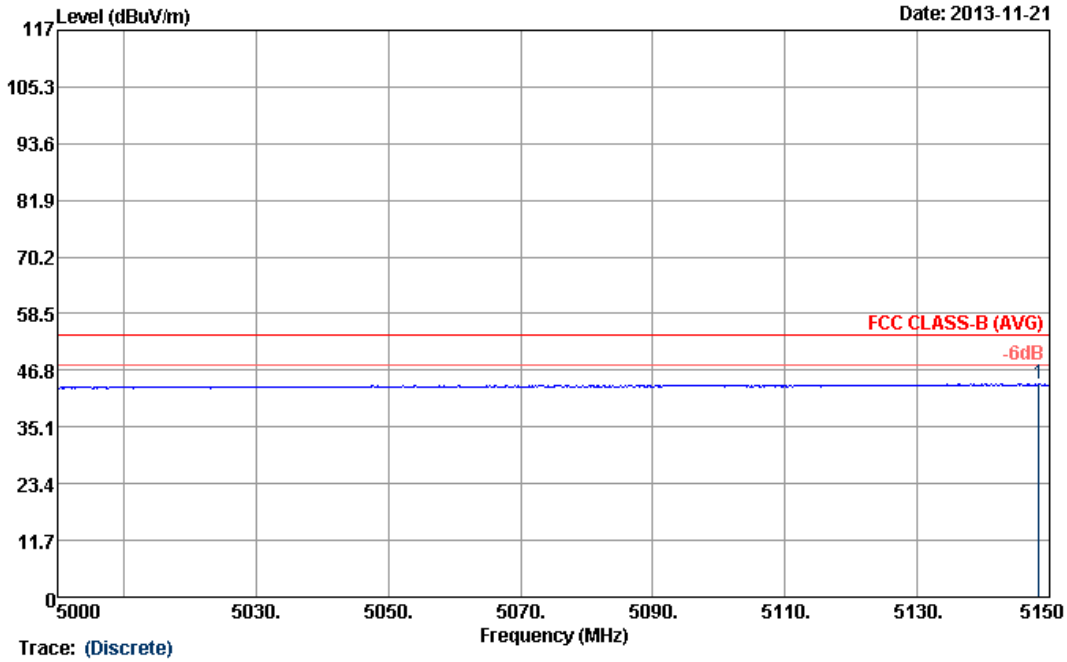


ANTENNA POLARITY : VERTICAL

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
5133.05	54.54	-19.46	74	43.07	34.43	10.4	33.36	100	90	Peak

Note: Worst case measurement on 5133.05 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

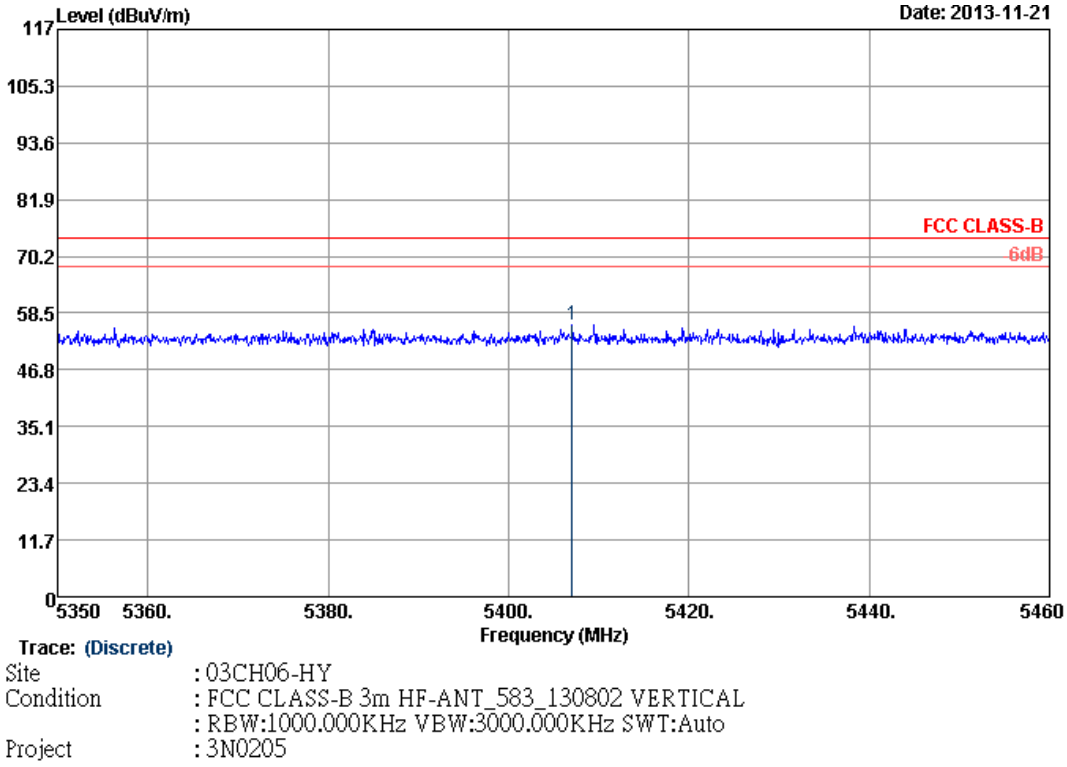


ANTENNA POLARITY : VERTICAL

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	43.99	-10.01	54	32.45	34.45	10.44	33.35	100	90	Average

Note: Worst case measurement on 5148.35 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

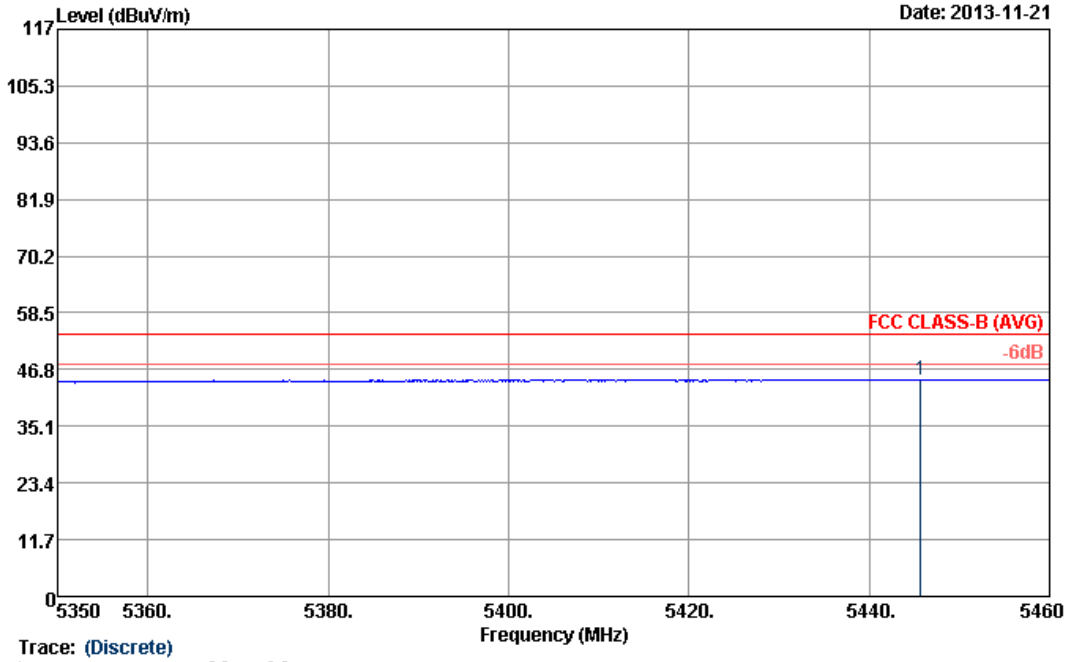


ANTENNA POLARITY : VERTICAL

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
5407.09	56.06	-17.94	74	43.78	34.7	10.82	33.24	100	90	Peak

Note: Worst case measurement on 5407.09 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	52	Test Engineer :	Marlboro Hsu

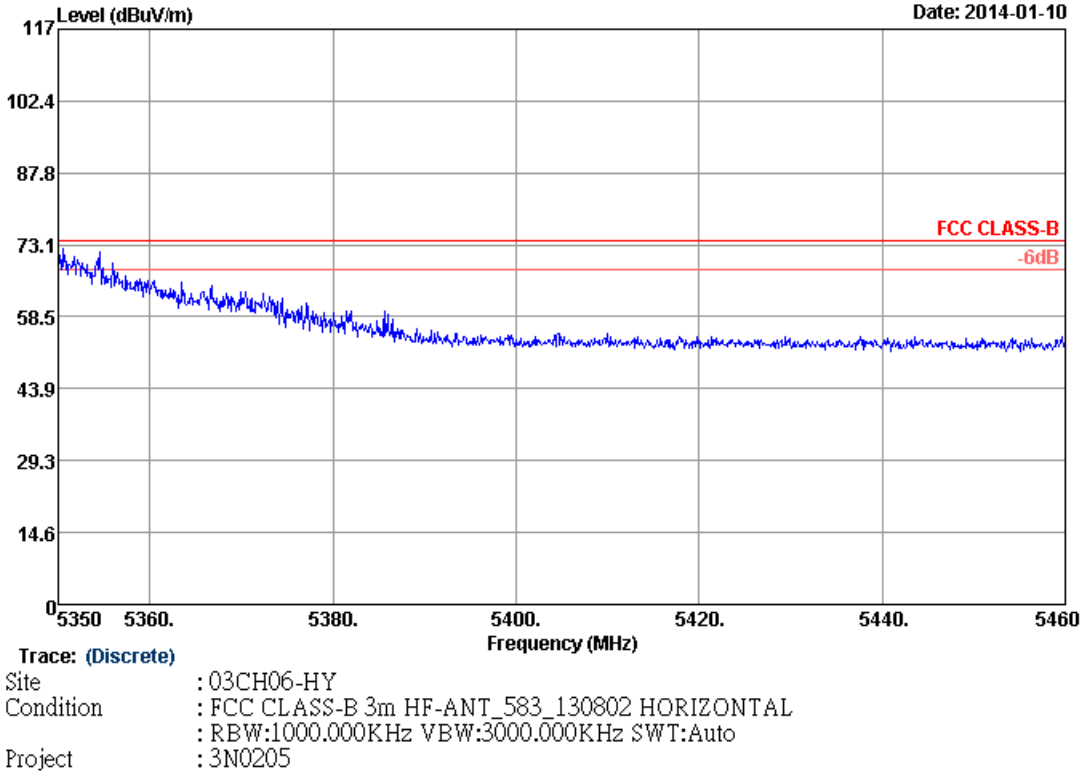


ANTENNA POLARITY : VERTICAL

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
5445.7	44.75	-9.25	54	32.37	34.75	10.86	33.23	100	90	Average

Note: Worst case measurement on 5445.7 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

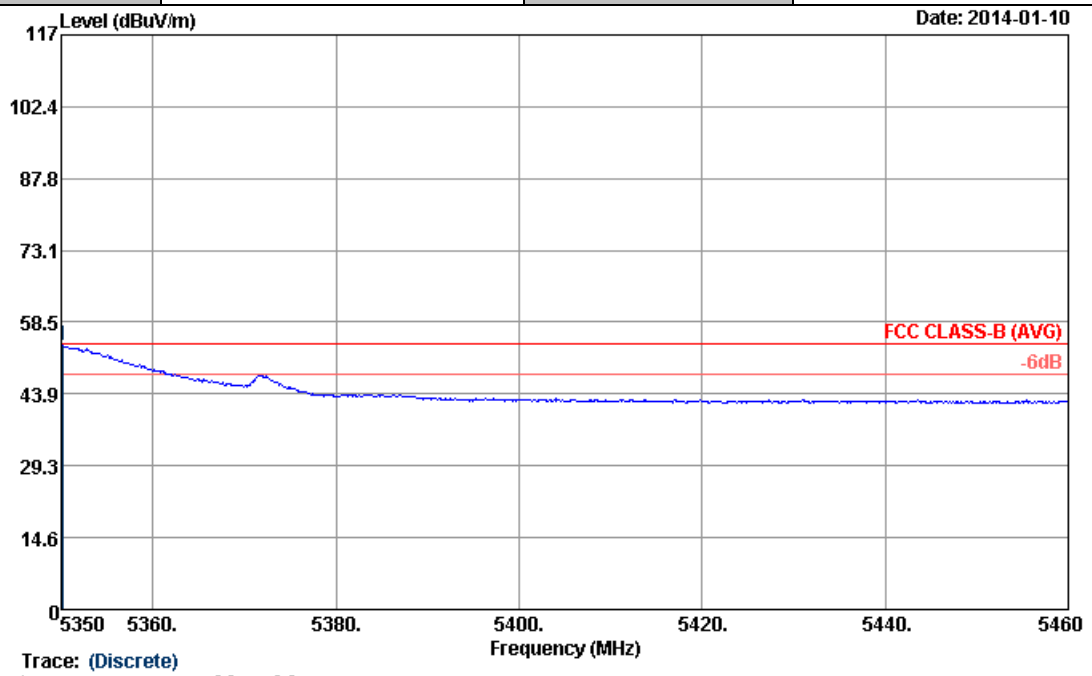


ANTENNA POLARITY : HORIZONTAL

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	72.77	-1.23	74	60.67	34.65	10.72	33.27	100	293	Peak

Note: Worst case measurement on 5350 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

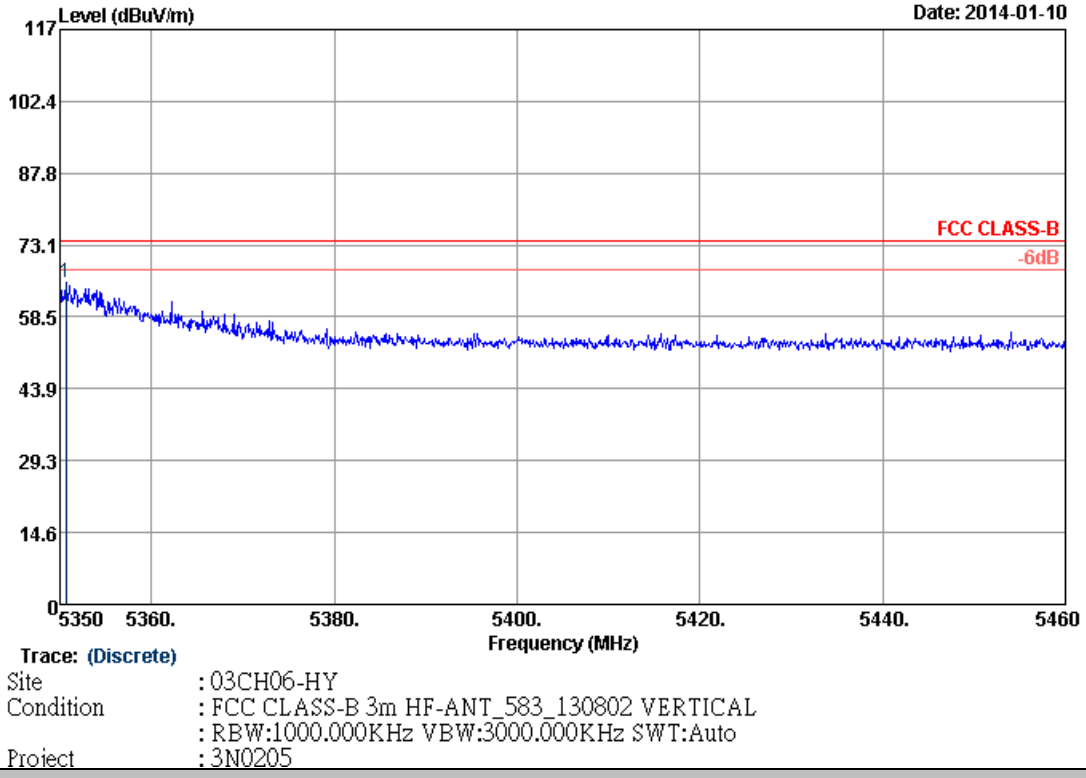


ANTENNA POLARITY : HORIZONTAL

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
5350.22	53.71	-0.29	54	41.61	34.65	10.72	33.27	100	293	Average

Note: Worst case measurement on 5350.22 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

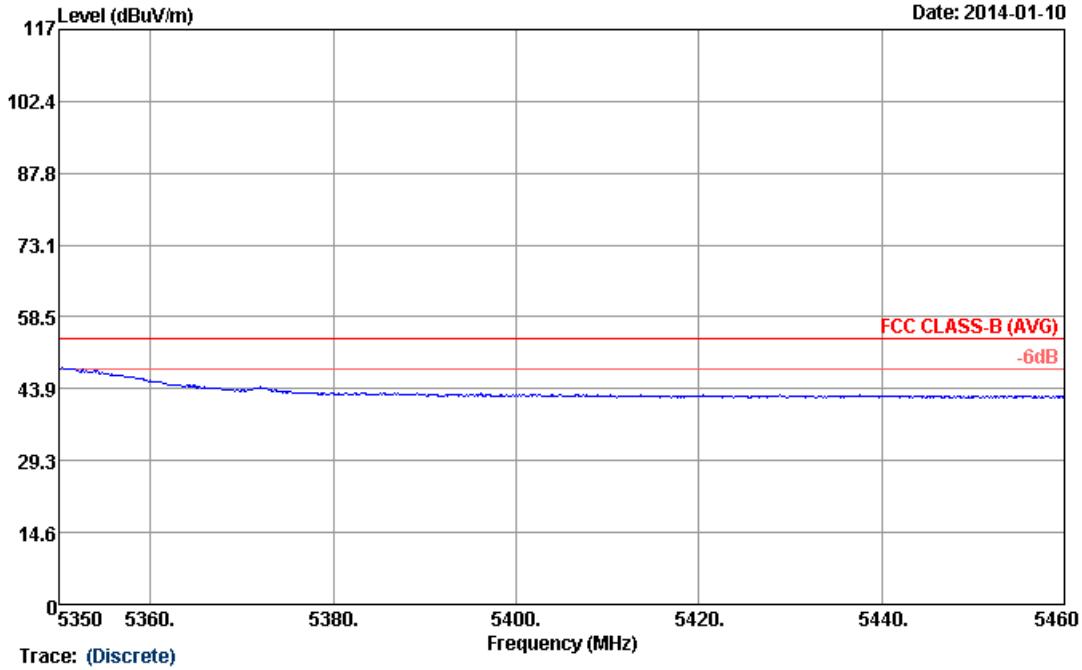


ANTENNA POLARITY : VERTICAL

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
5350.66	65.58	-8.42	74	53.48	34.65	10.72	33.27	100	36	Peak

Note: Worst case measurement on 5350.66 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	64	Test Engineer :	Marlboro Hsu

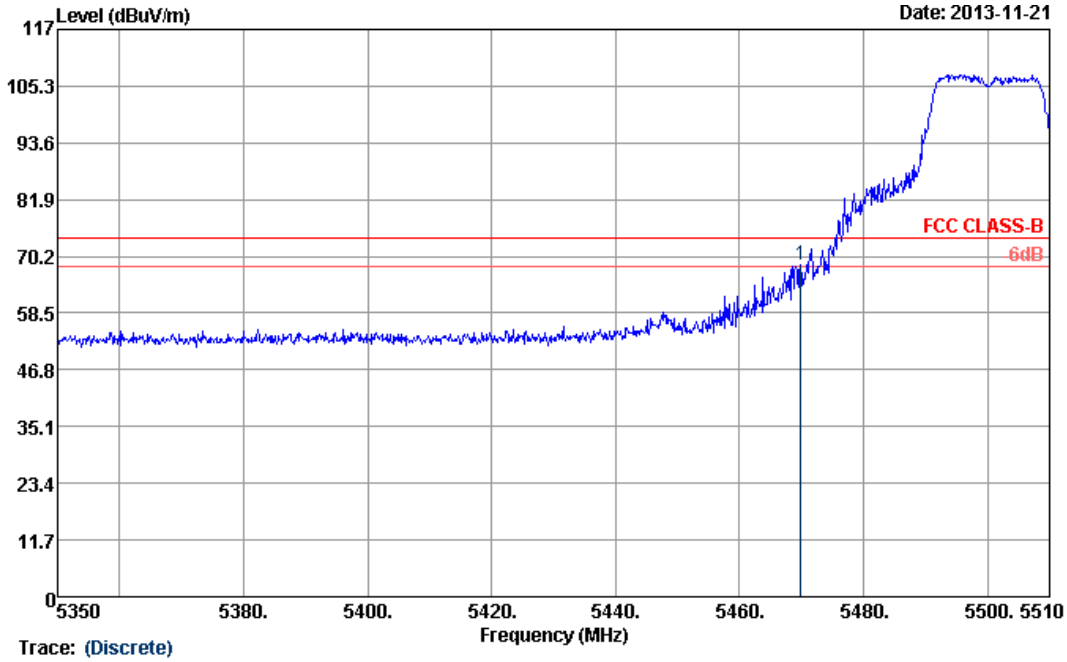


ANTENNA POLARITY : VERTICAL

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	48.3	-5.7	54	36.2	34.65	10.72	33.27	100	36	Average

Note: Worst case measurement on 5350 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

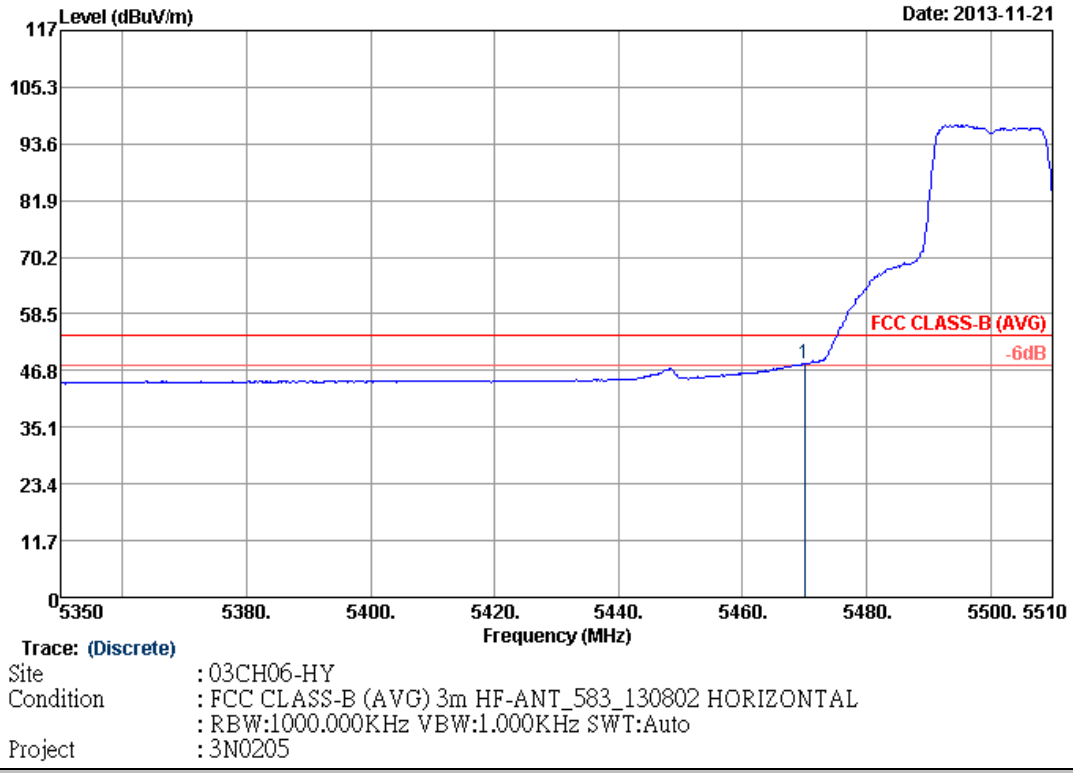


ANTENNA POLARITY : HORIZONTAL

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
5469.84	68.5	-5.5	74	56.06	34.77	10.89	33.22	100	346	Peak

Note: Worst case measurement on 5469.84 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

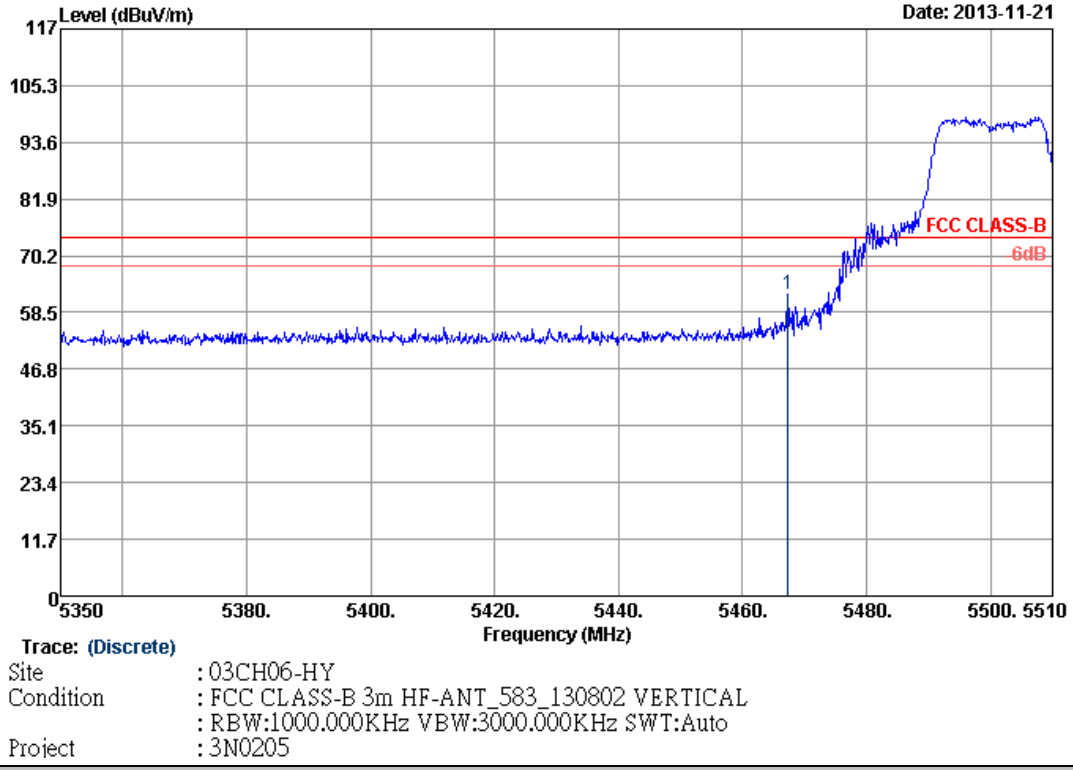


ANTENNA POLARITY : HORIZONTAL

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	48.35	-5.65	54	35.91	34.77	10.89	33.22	100	346	Average

Note: Worst case measurement on 5470 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

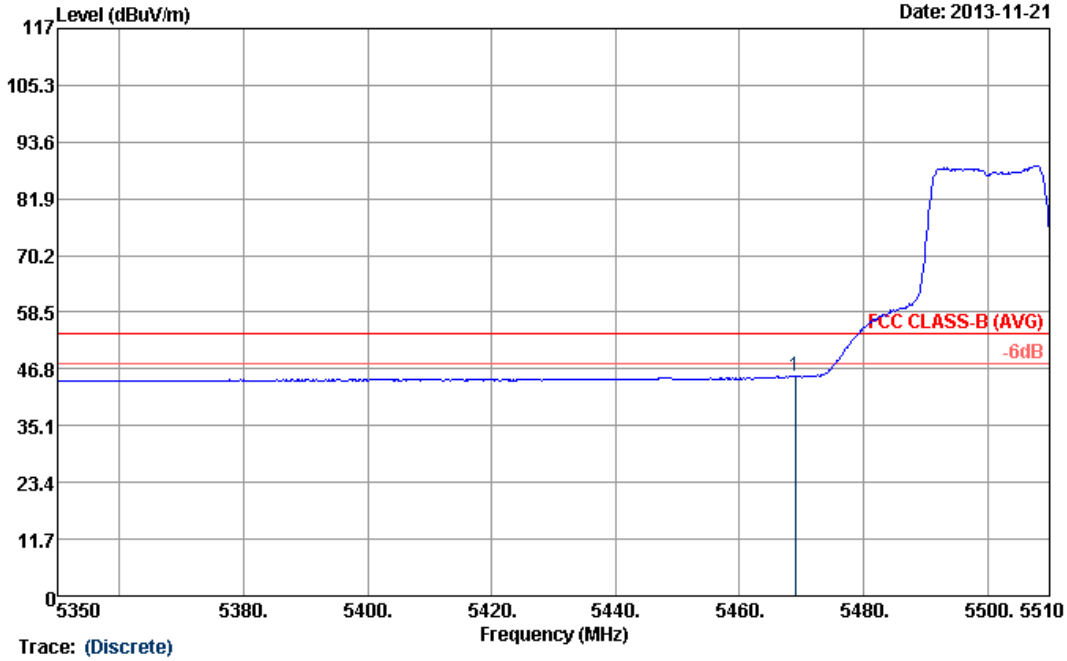


ANTENNA POLARITY : VERTICAL

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
5467.28	62.29	-11.71	74	49.85	34.77	10.89	33.22	100	322	Peak

Note: Worst case measurement on 5467.28 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	100	Test Engineer :	Marlboro Hsu

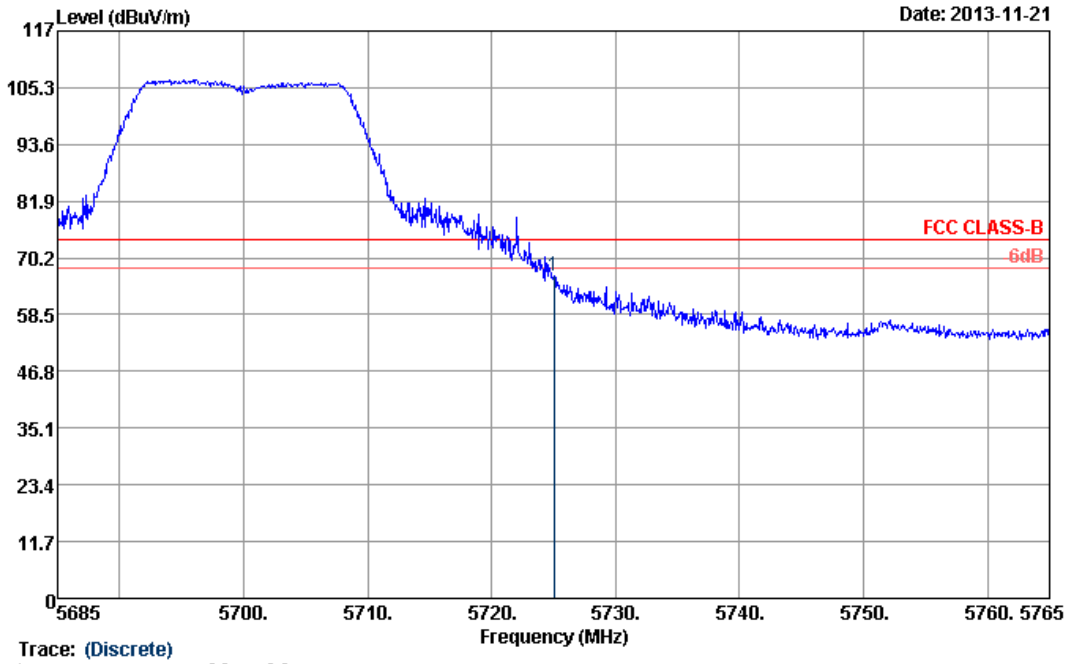


ANTENNA POLARITY : VERTICAL

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
5469.04	45.3	-8.7	54	32.86	34.77	10.89	33.22	100	322	Average

Note: Worst case measurement on 5469.04 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

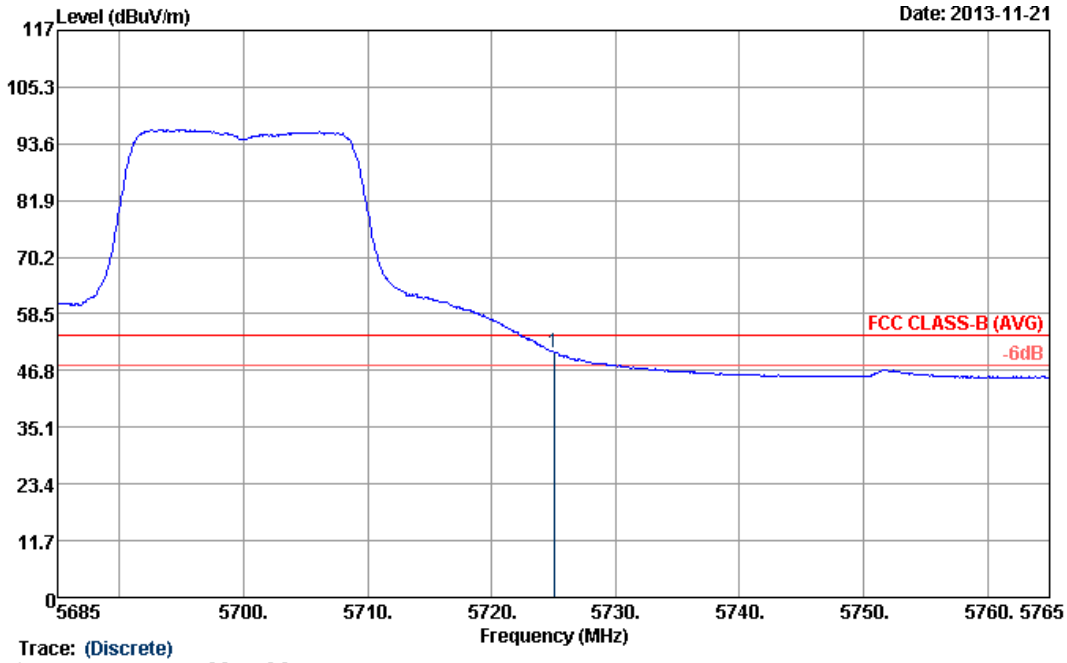


ANTENNA POLARITY : HORIZONTAL

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	66.48	-7.52	74	53.41	35.02	11.34	33.29	108	335	Peak

Note: Worst case measurement on 5725 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

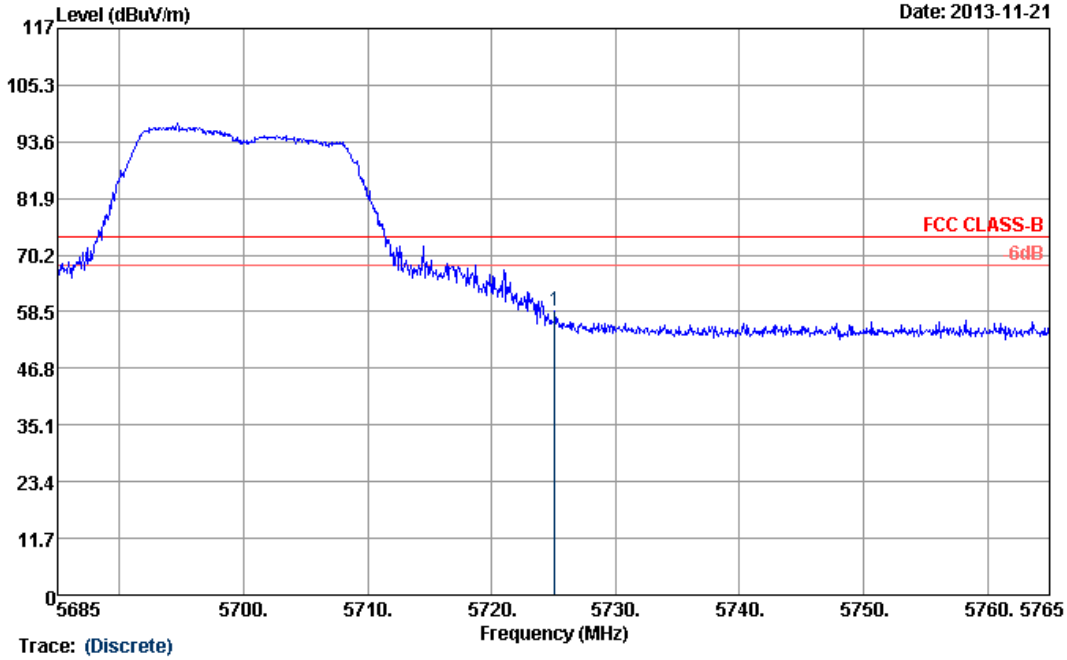


ANTENNA POLARITY : HORIZONTAL

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	50.61	-3.39	54	37.54	35.02	11.34	33.29	108	335	Average

Note: Worst case measurement on 5725 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

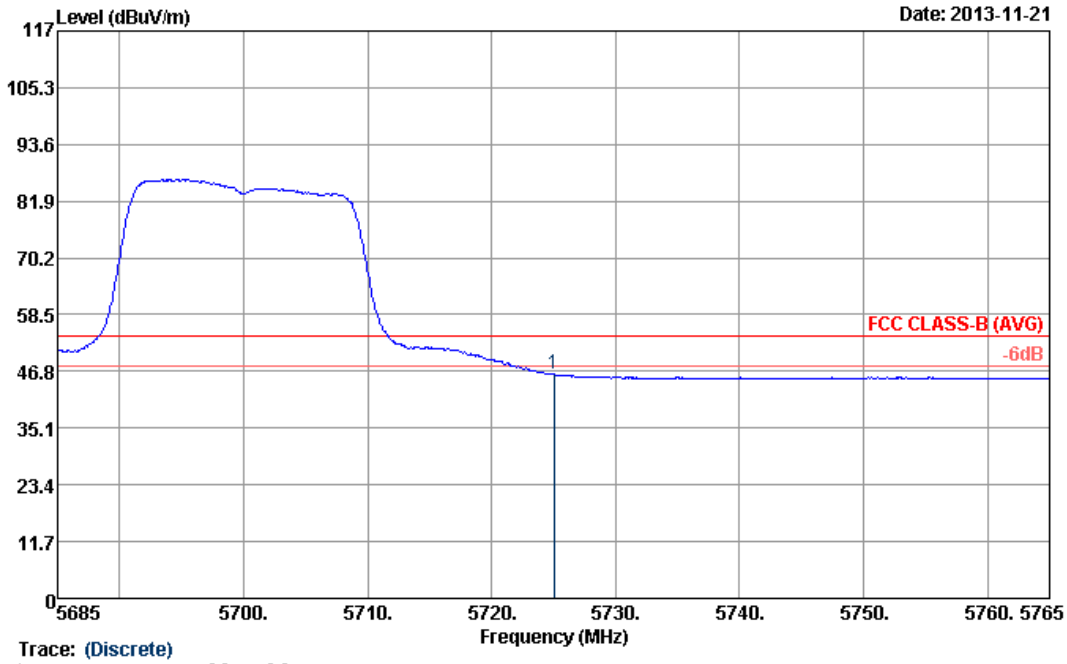


ANTENNA POLARITY : VERTICAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.08	58.69	-15.31	74	45.62	35.02	11.34	33.29	100	259	Peak

Note: Worst case measurement on 5725.08 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	140	Test Engineer :	Marlboro Hsu

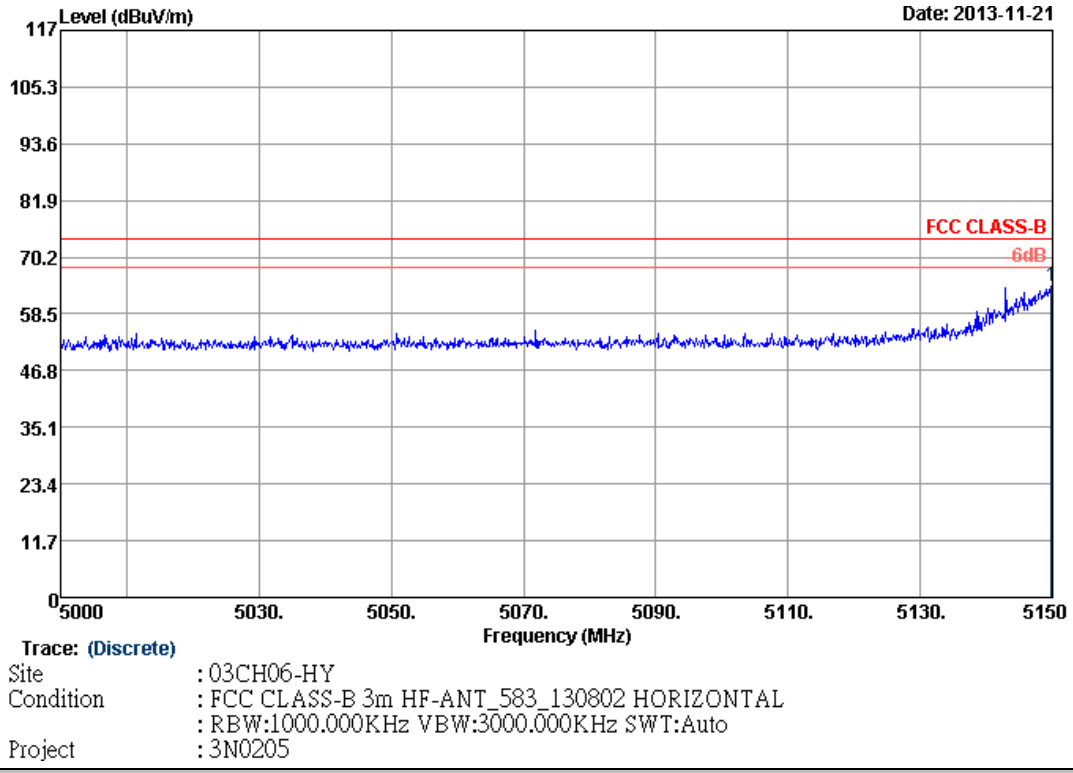


ANTENNA POLARITY : VERTICAL

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	46.19	-7.81	54	33.12	35.02	11.34	33.29	100	259	Average

Note: Worst case measurement on 5725 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

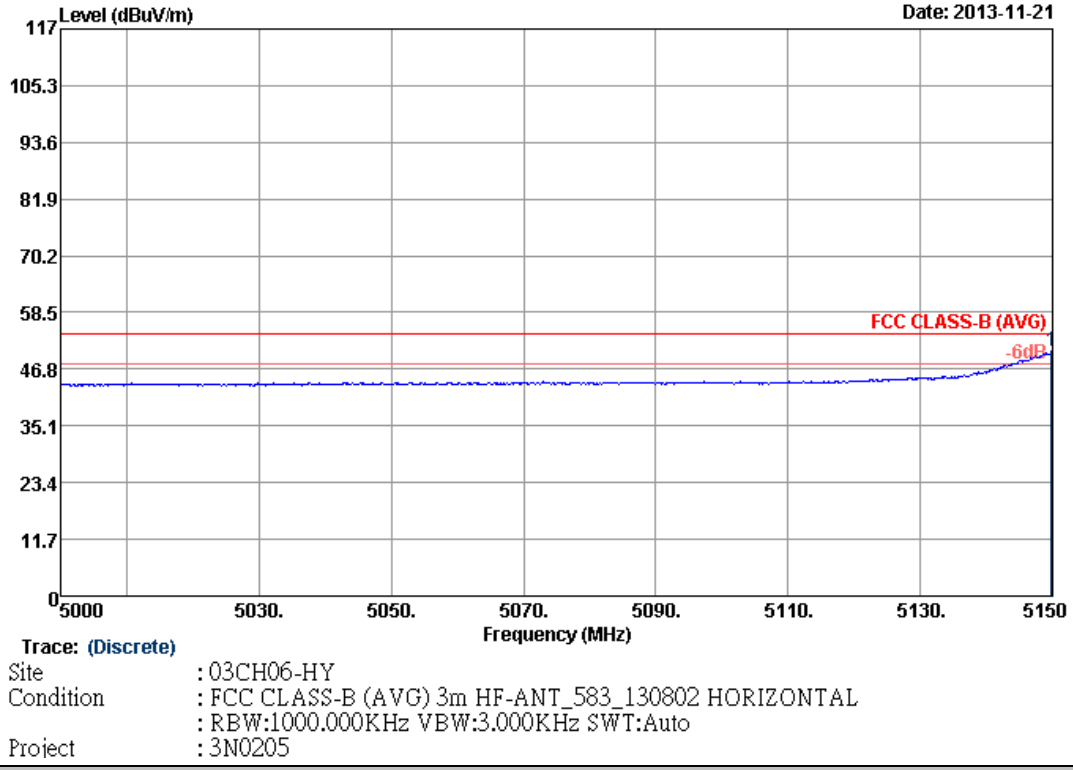


ANTENNA POLARITY : HORIZONTAL

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
5149.85	64.12	-9.88	74	52.58	34.45	10.44	33.35	104	284	Peak

Note: Worst case measurement on 5149.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

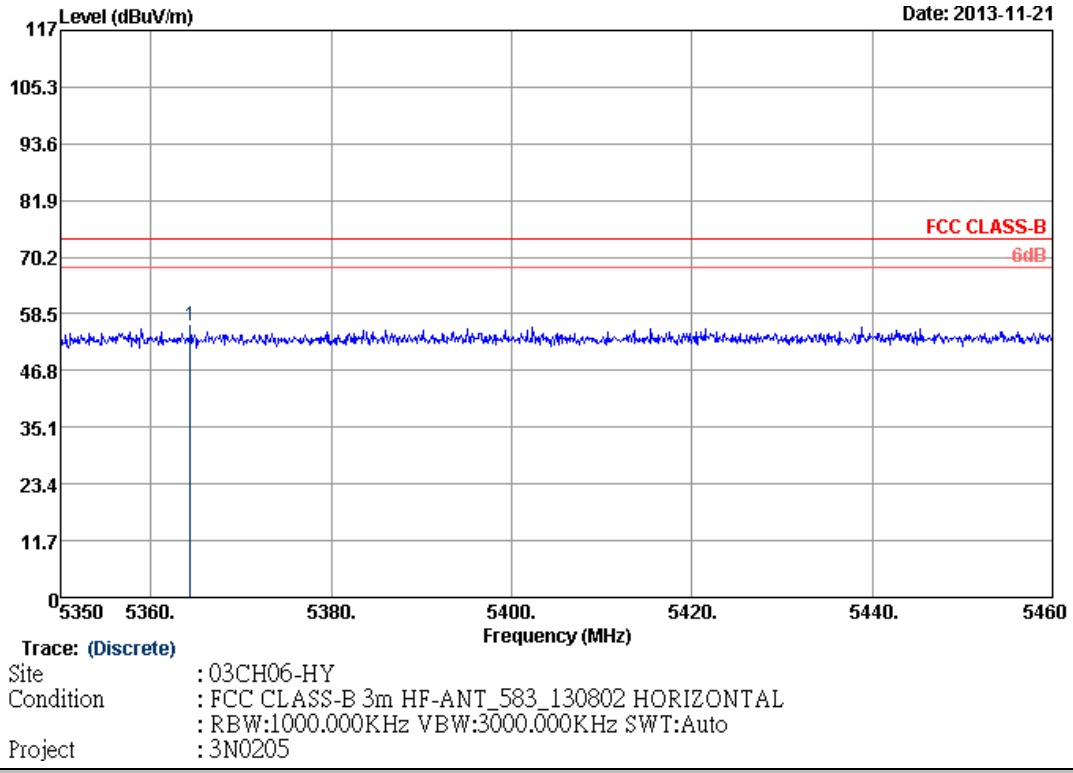


ANTENNA POLARITY : HORIZONTAL

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
5149.85	50.42	-3.58	54	38.88	34.45	10.44	33.35	104	284	Average

Note: Worst case measurement on 5149.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

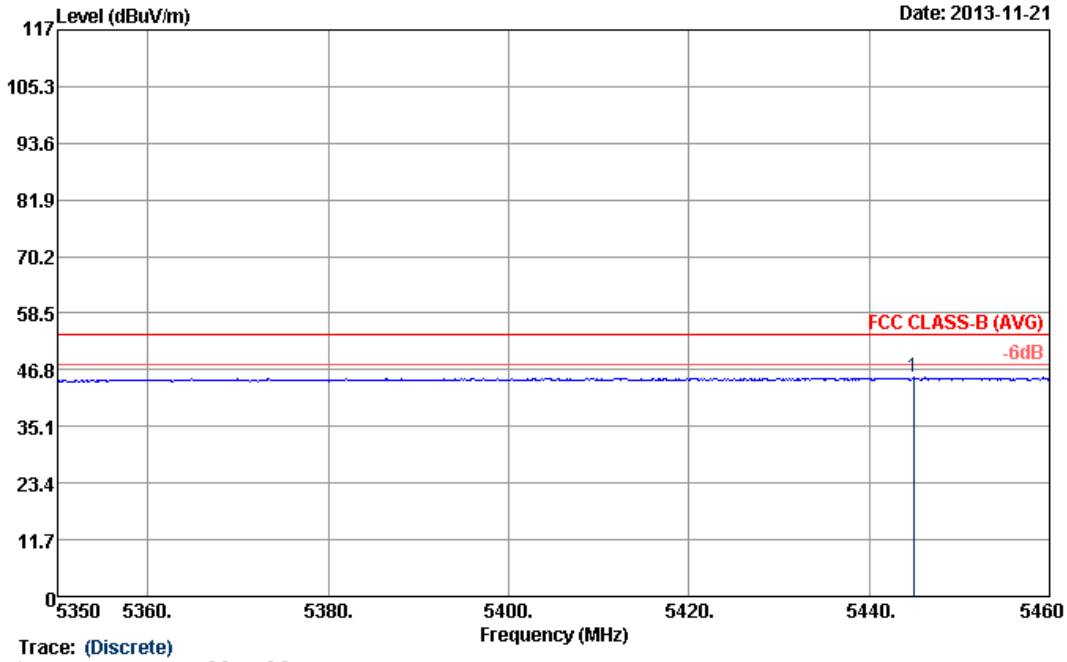


ANTENNA POLARITY : HORIZONTAL

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
5364.41	56.18	-17.82	74	44.03	34.67	10.75	33.27	104	284	Peak

Note: Worst case measurement on 5364.41 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

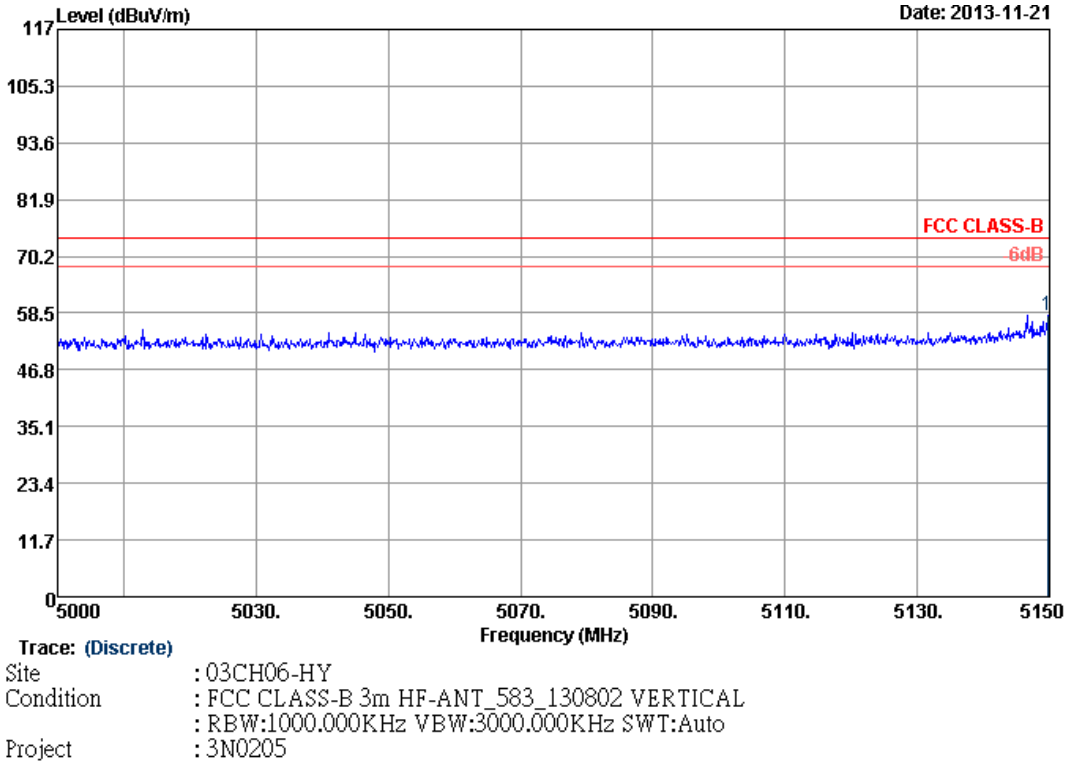


ANTENNA POLARITY : HORIZONTAL

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
5444.93	45.17	-8.83	54	32.81	34.73	10.86	33.23	104	284	Average

Note: Worst case measurement on 5444.93 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

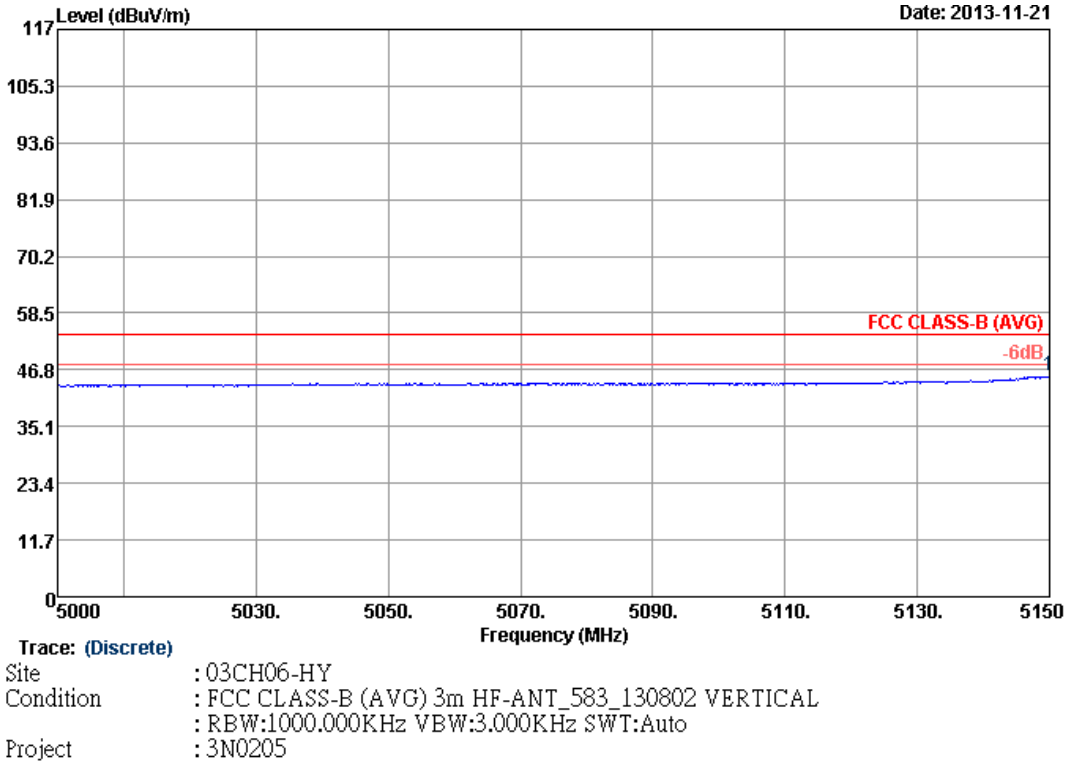


ANTENNA POLARITY : VERTICAL

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
5149.7	58.05	-15.95	74	46.51	34.45	10.44	33.35	100	286	Peak

Note: Worst case measurement on 5149.7 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

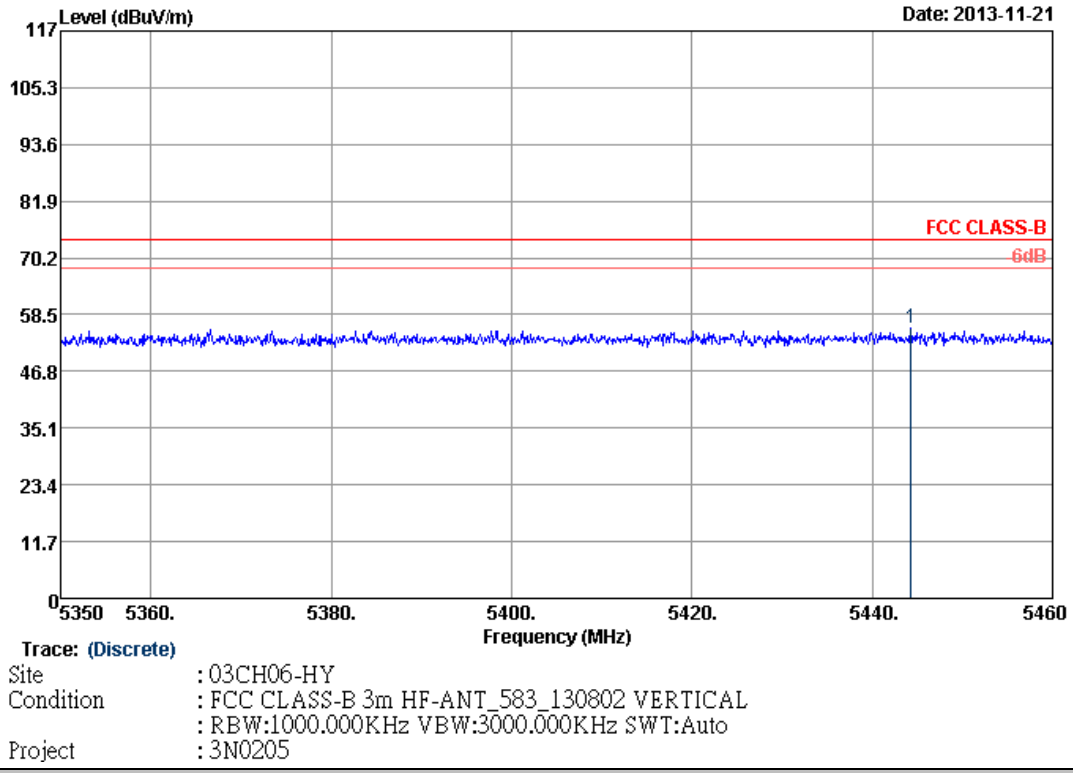


ANTENNA POLARITY : VERTICAL

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	45.52	-8.48	54	33.98	34.45	10.44	33.35	100	286	Average

Note: Worst case measurement on 5150 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

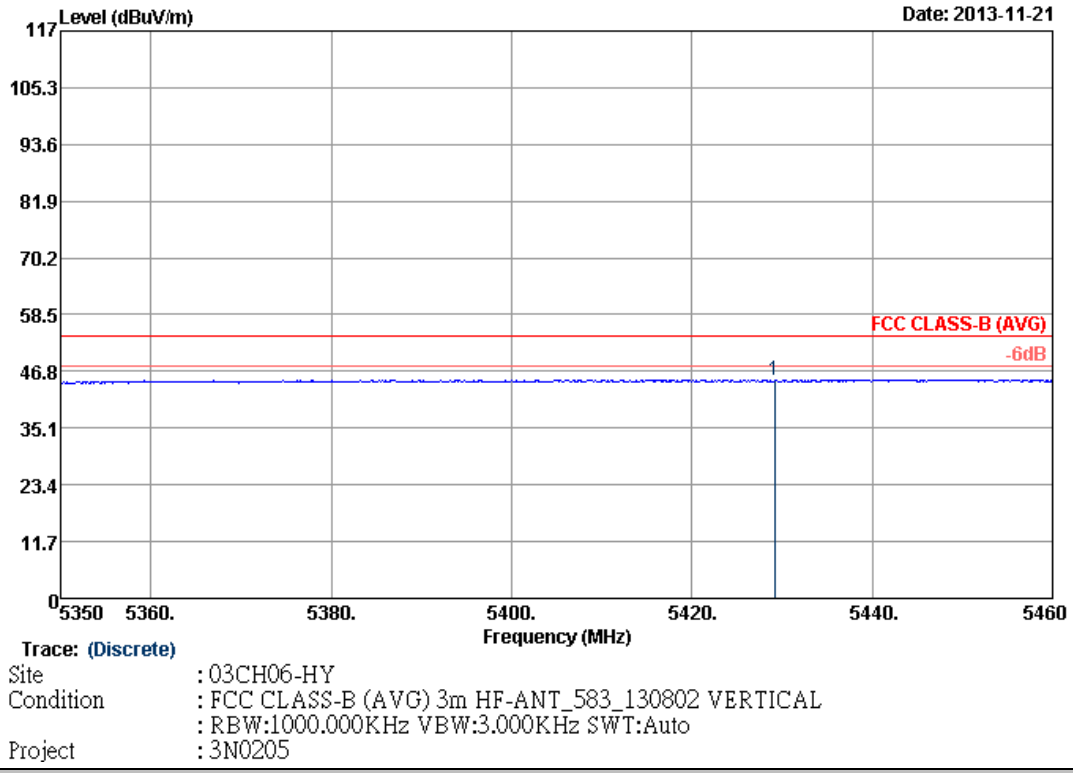


ANTENNA POLARITY : VERTICAL

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
5444.27	55.88	-18.12	74	43.52	34.73	10.86	33.23	100	286	Peak

Note: Worst case measurement on 5444.27 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	38	Test Engineer :	Marlboro Hsu

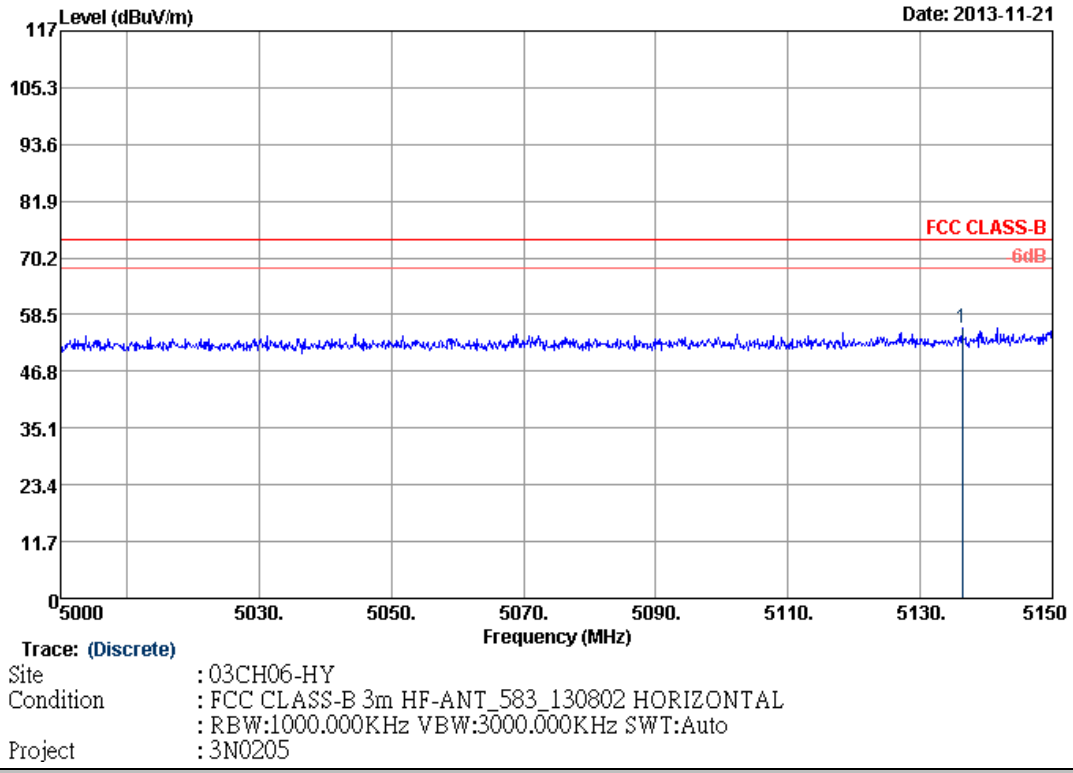


ANTENNA POLARITY : VERTICAL

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
5429.2	45.12	-8.88	54	32.76	34.73	10.86	33.23	100	286	Average

Note: Worst case measurement on 5429.2 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

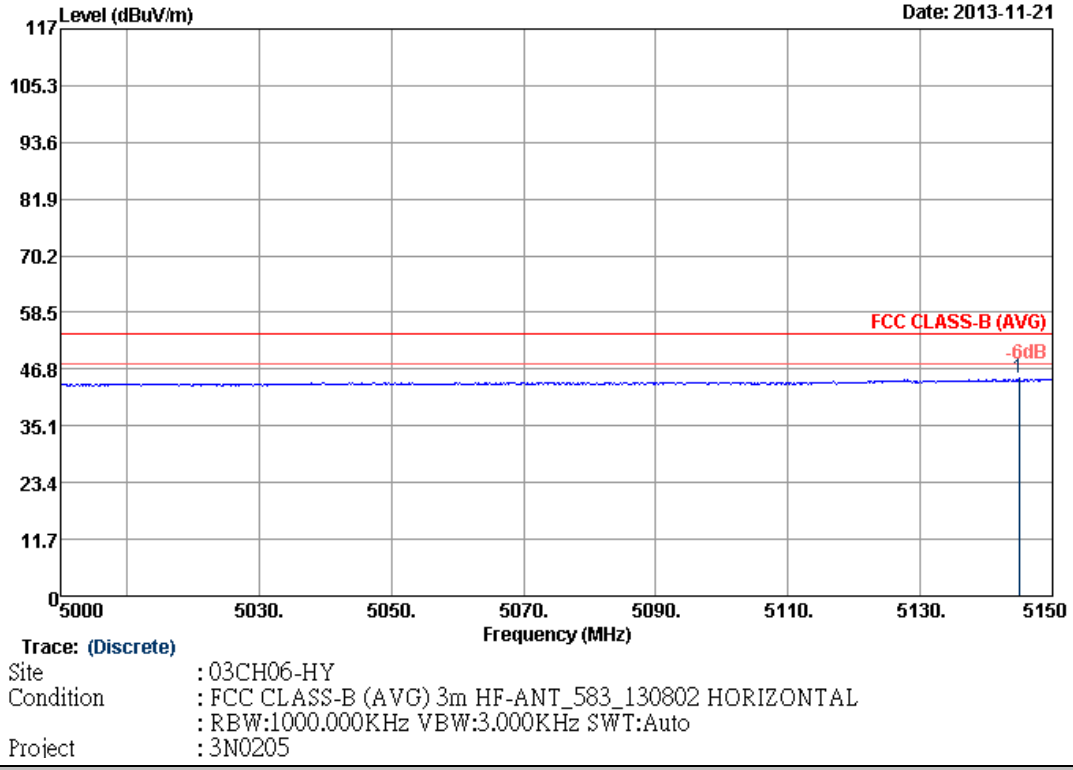


ANTENNA POLARITY : HORIZONTAL

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
5136.35	55.73	-18.27	74	44.26	34.43	10.4	33.36	104	286	Peak

Note: Worst case measurement on 5136.35 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

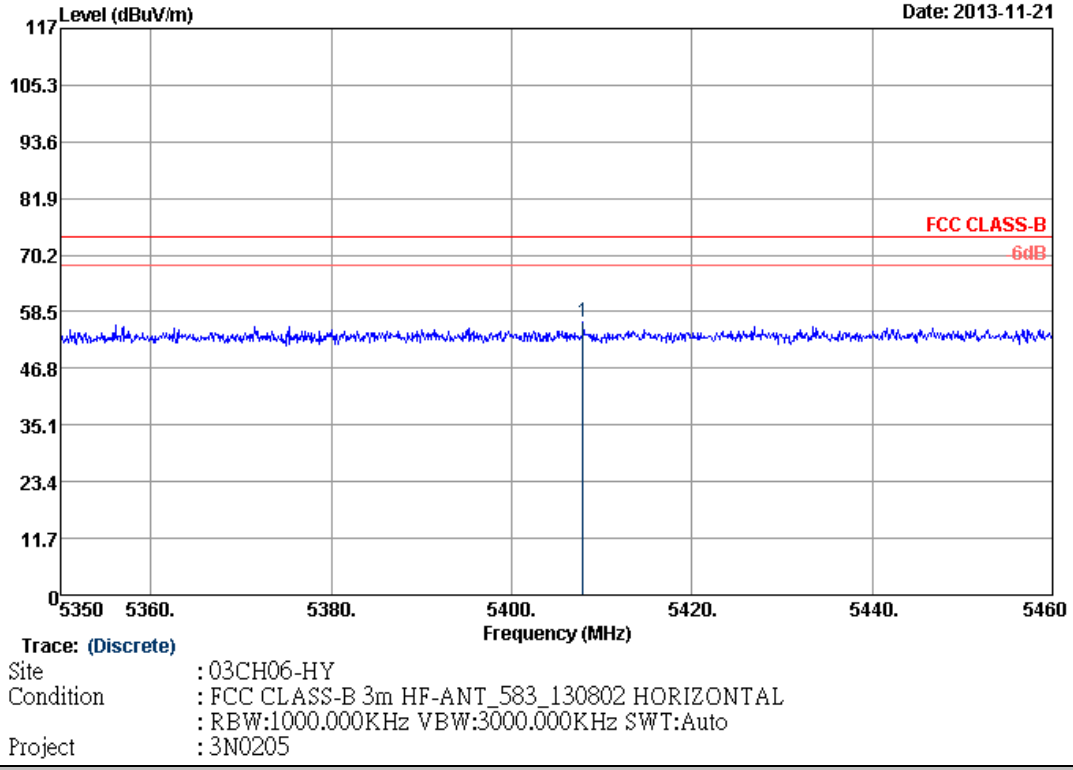


ANTENNA POLARITY : HORIZONTAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5144.9	44.84	-9.16	54	33.3	34.45	10.44	33.35	104	286	Average

Note: Worst case measurement on 5144.9 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

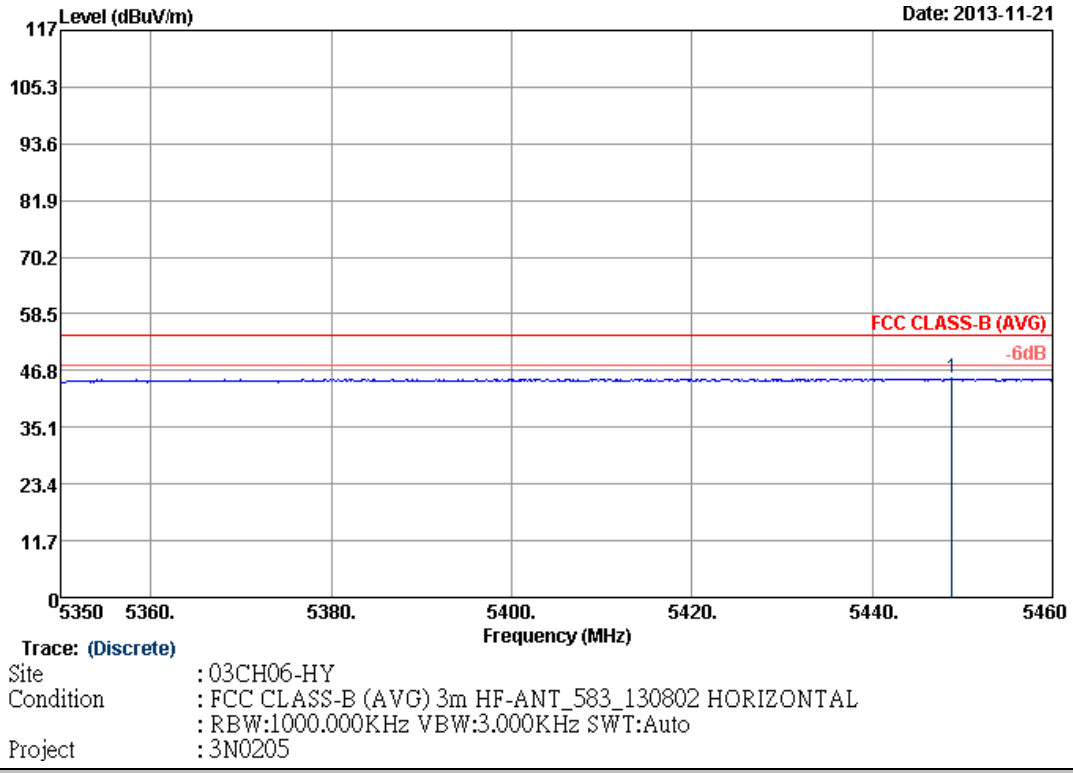


ANTENNA POLARITY : HORIZONTAL

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
5407.97	56.28	-17.72	74	44	34.7	10.82	33.24	104	286	Peak

Note: Worst case measurement on 5407.97 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

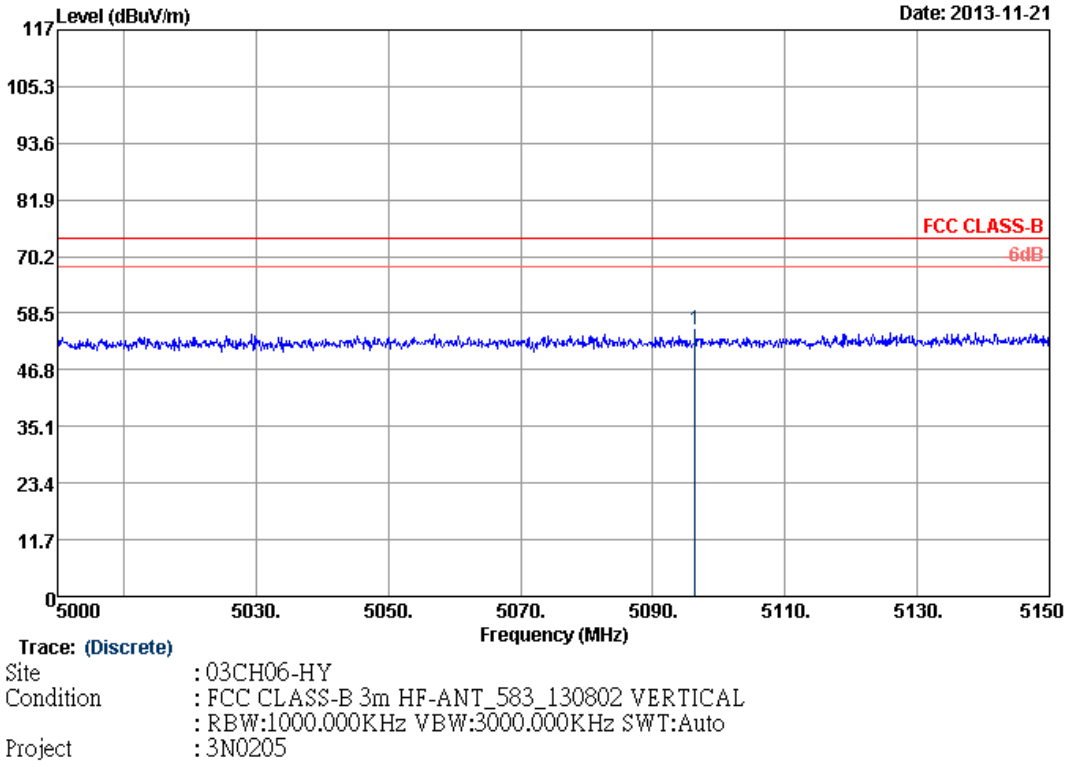


ANTENNA POLARITY : HORIZONTAL

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
5448.89	45.21	-8.79	54	32.83	34.75	10.86	33.23	104	286	Average

Note: Worst case measurement on 5448.89 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

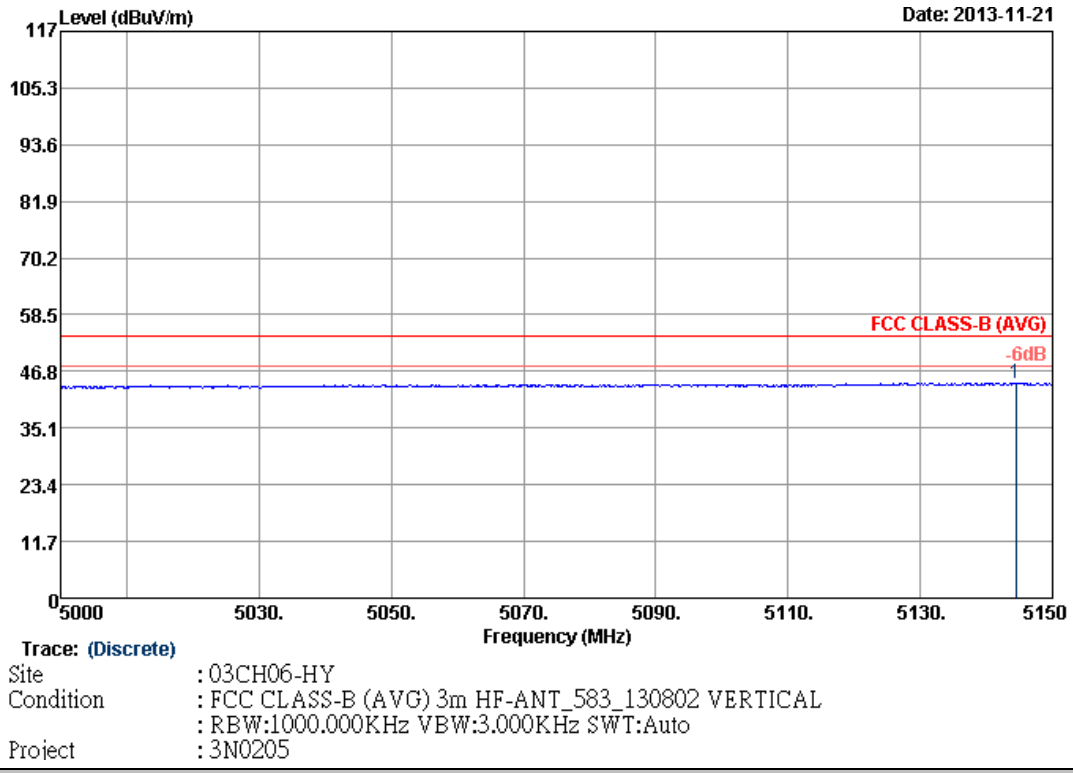


ANTENNA POLARITY : VERTICAL

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
5096.45	55.06	-18.94	74	43.67	34.4	10.37	33.38	101	71	Peak

Note: Worst case measurement on 5096.45 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

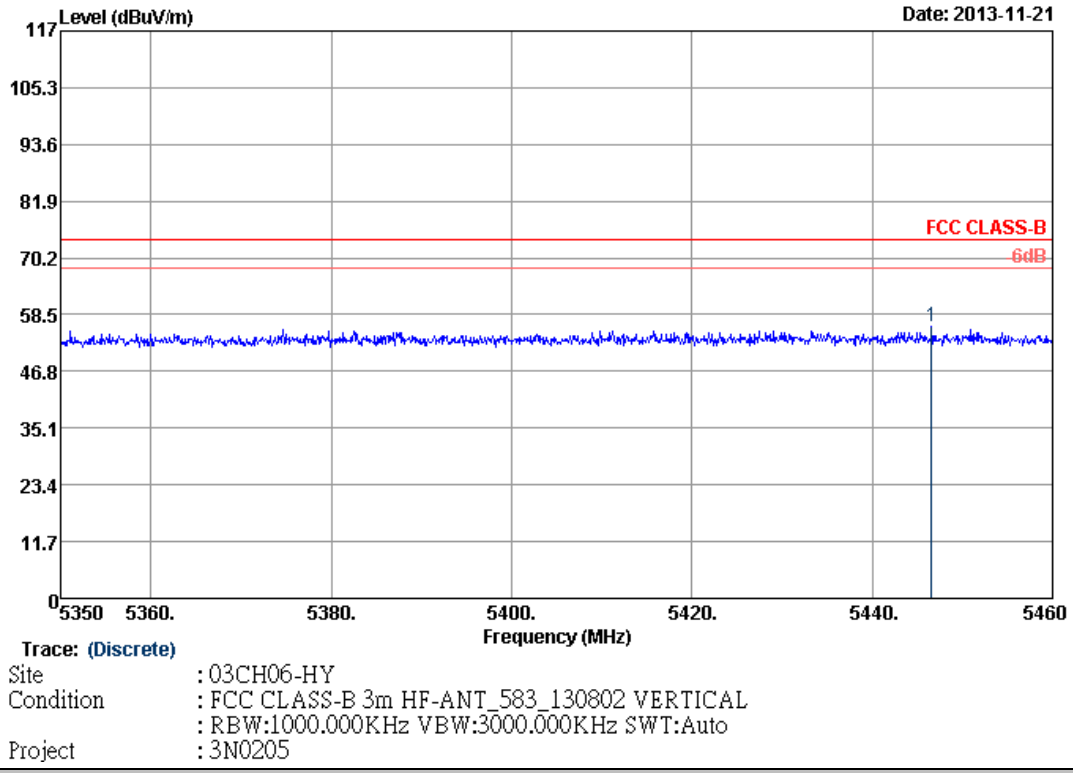


ANTENNA POLARITY : VERTICAL

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
5144.45	44.35	-9.65	54	32.81	34.45	10.44	33.35	101	71	Average

Note: Worst case measurement on 5144.45 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

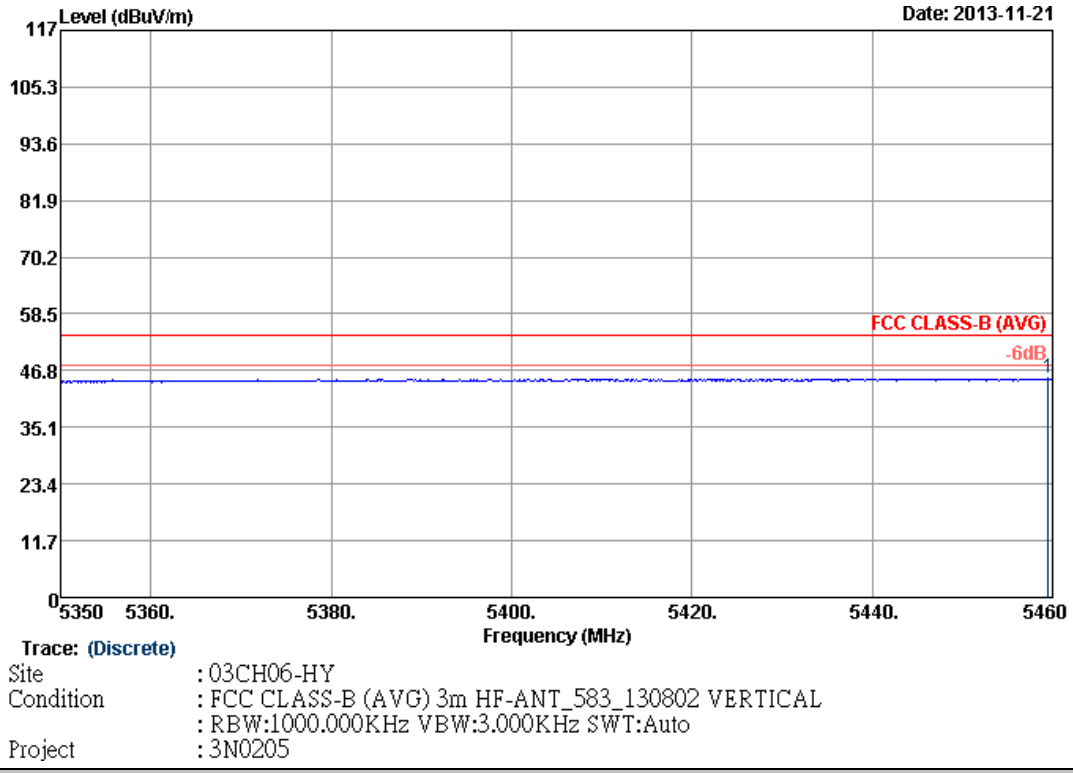


ANTENNA POLARITY : VERTICAL

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
5446.58	55.97	-18.03	74	43.59	34.75	10.86	33.23	101	71	Peak

Note: Worst case measurement on 5446.58 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	46	Test Engineer :	Marlboro Hsu

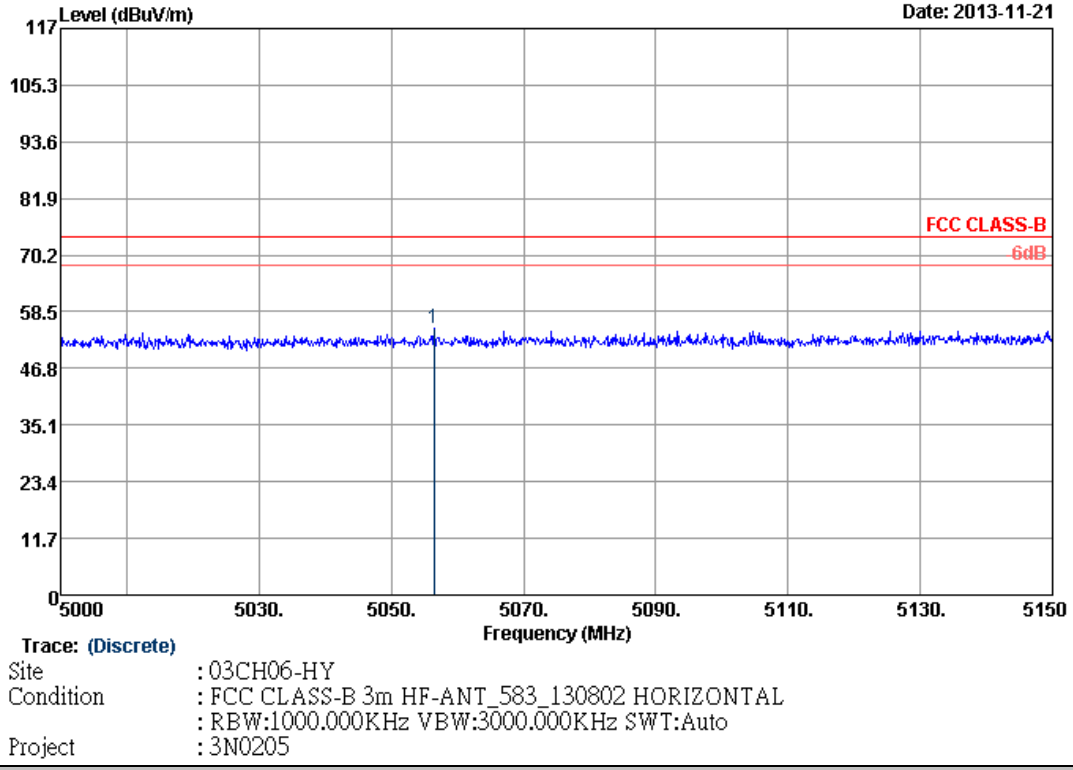


ANTENNA POLARITY : VERTICAL

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
5459.56	45.2	-8.8	54	32.78	34.75	10.89	33.22	101	71	Average

Note: Worst case measurement on 5459.56 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

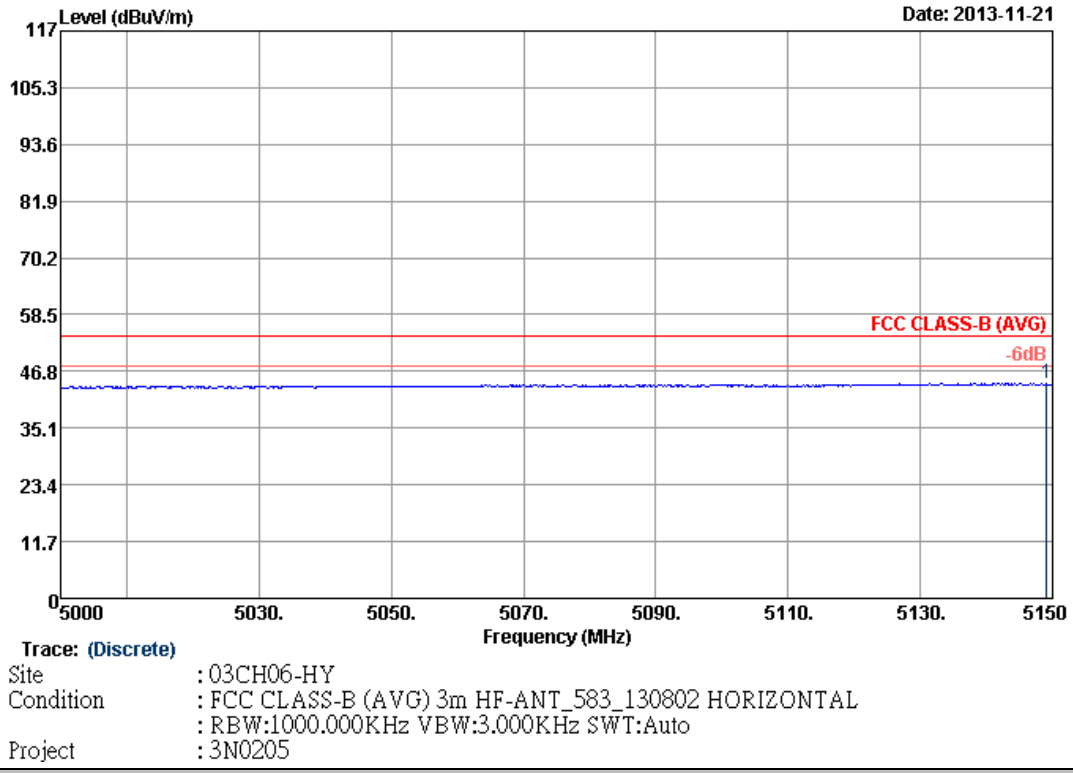


ANTENNA POLARITY : HORIZONTAL

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
5056.4	54.96	-19.04	74	43.69	34.37	10.3	33.4	102	282	Peak

Note: Worst case measurement on 5056.4 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

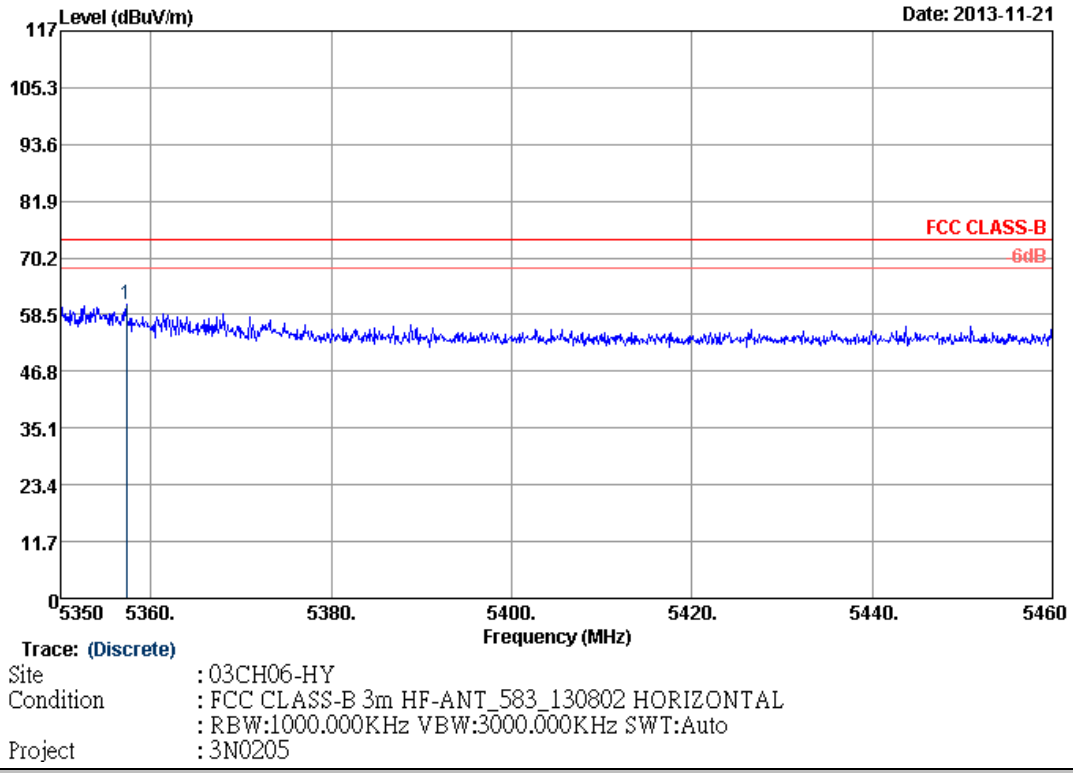


ANTENNA POLARITY : HORIZONTAL

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
5149.1	44.32	-9.68	54	32.78	34.45	10.44	33.35	102	282	Average

Note: Worst case measurement on 5149.1 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

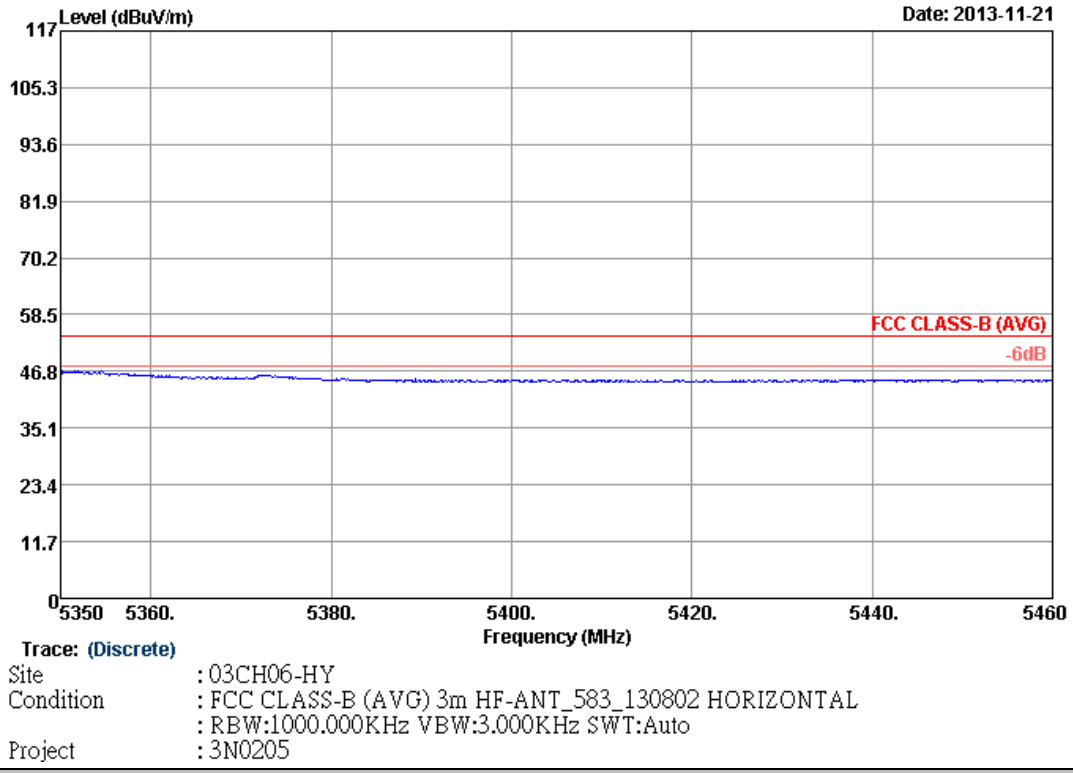


ANTENNA POLARITY : HORIZONTAL

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
5357.26	60.49	-13.51	74	48.36	34.65	10.75	33.27	102	282	Peak

Note: Worst case measurement on 5357.26 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

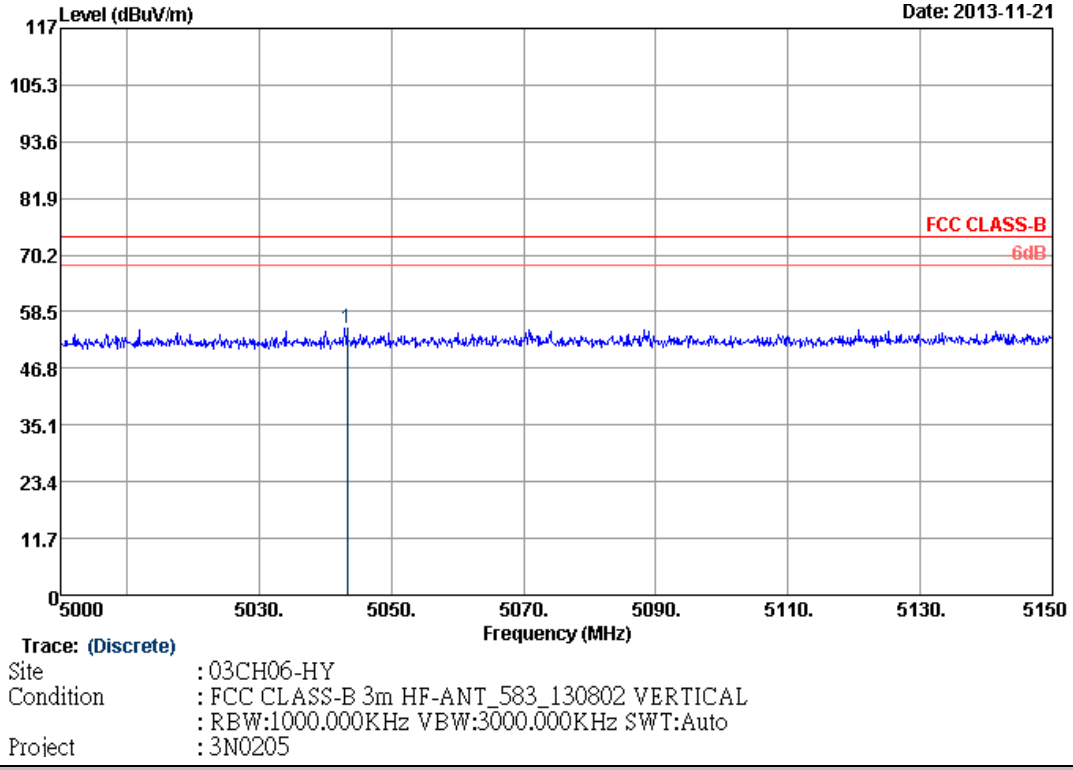


ANTENNA POLARITY : HORIZONTAL

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	46.88	-7.12	54	34.78	34.65	10.72	33.27	102	282	Average

Note: Worst case measurement on 5350 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

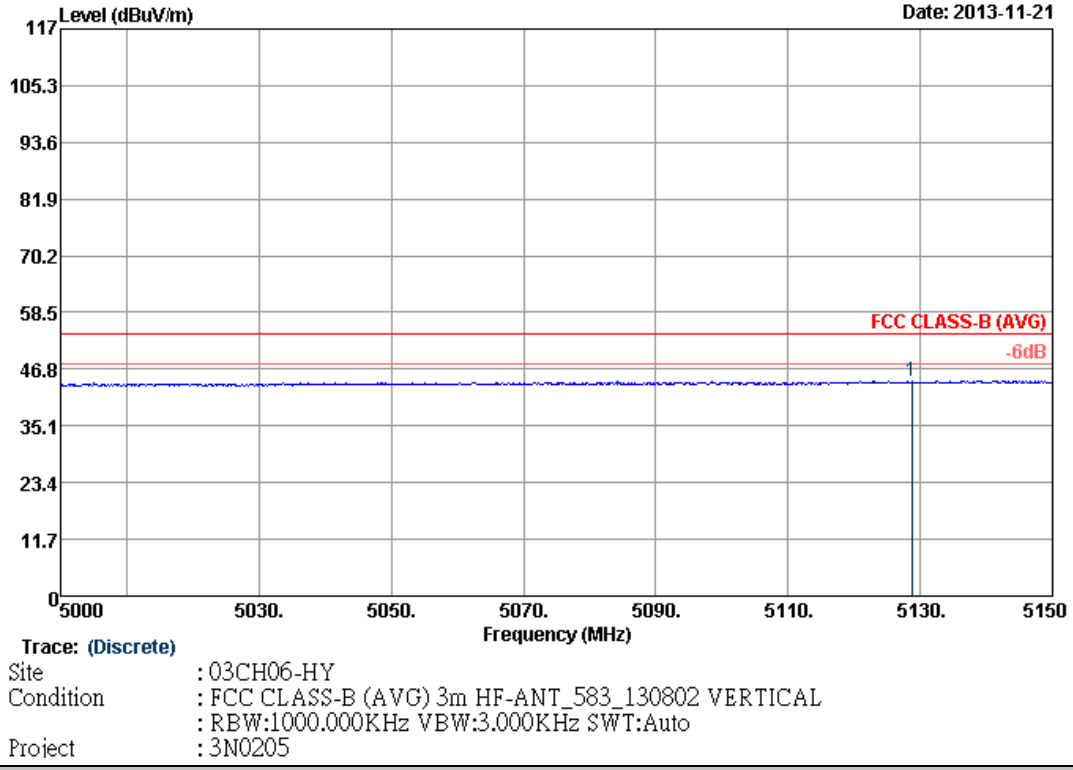


ANTENNA POLARITY : VERTICAL

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
5043.35	55.1	-18.9	74	43.89	34.35	10.26	33.4	100	321	Peak

Note: Worst case measurement on 5043.35 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

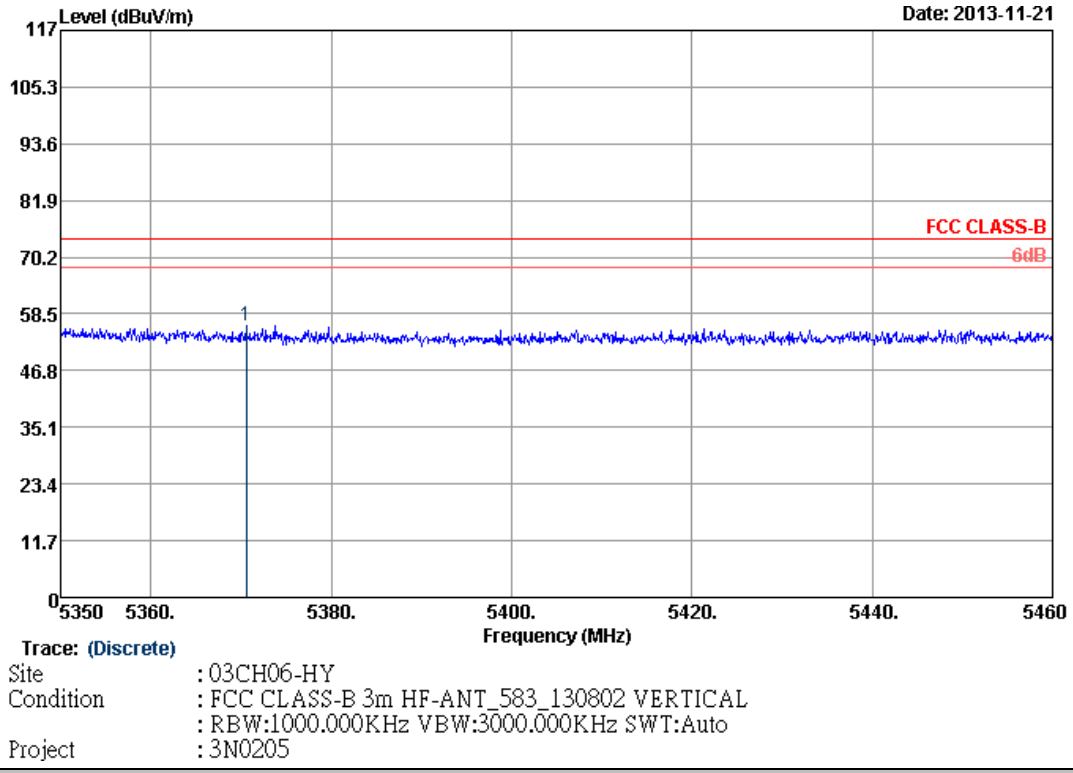


ANTENNA POLARITY : VERTICAL

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
5128.7	44.32	-9.68	54	32.85	34.43	10.4	33.36	100	321	Average

Note: Worst case measurement on 5128.7 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

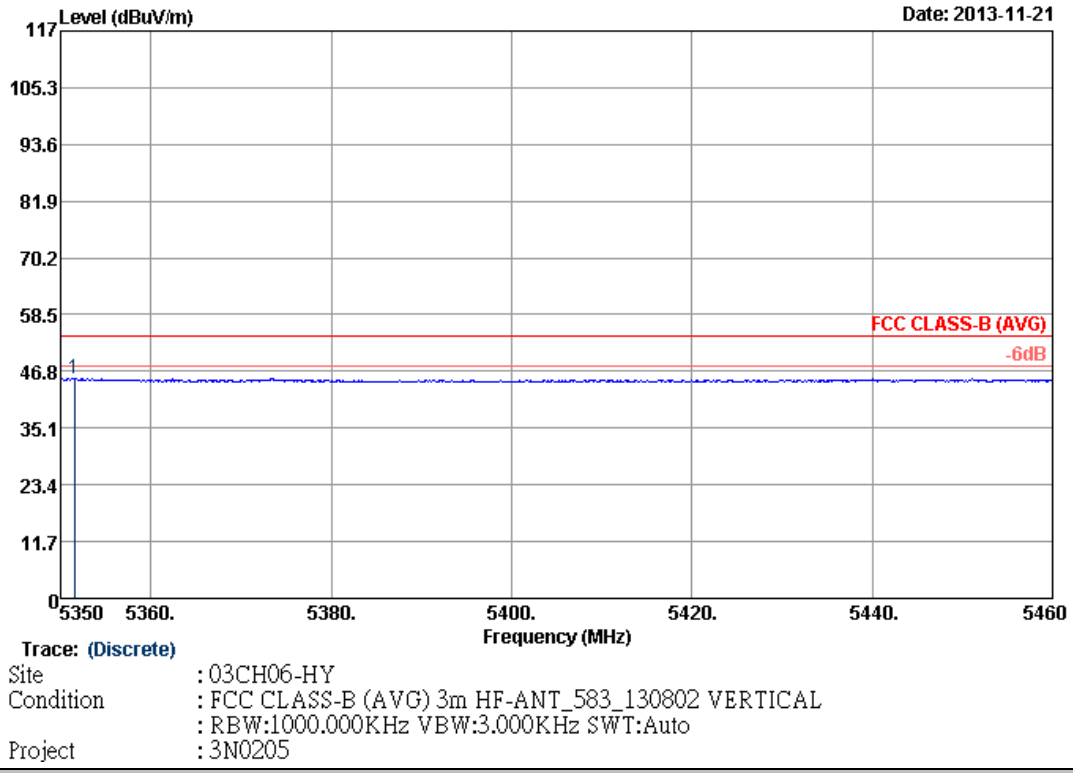


ANTENNA POLARITY : VERTICAL

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
5370.57	56.2	-17.8	74	44.05	34.67	10.75	33.27	100	321	Peak

Note: Worst case measurement on 5370.57 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	54	Test Engineer :	Marlboro Hsu

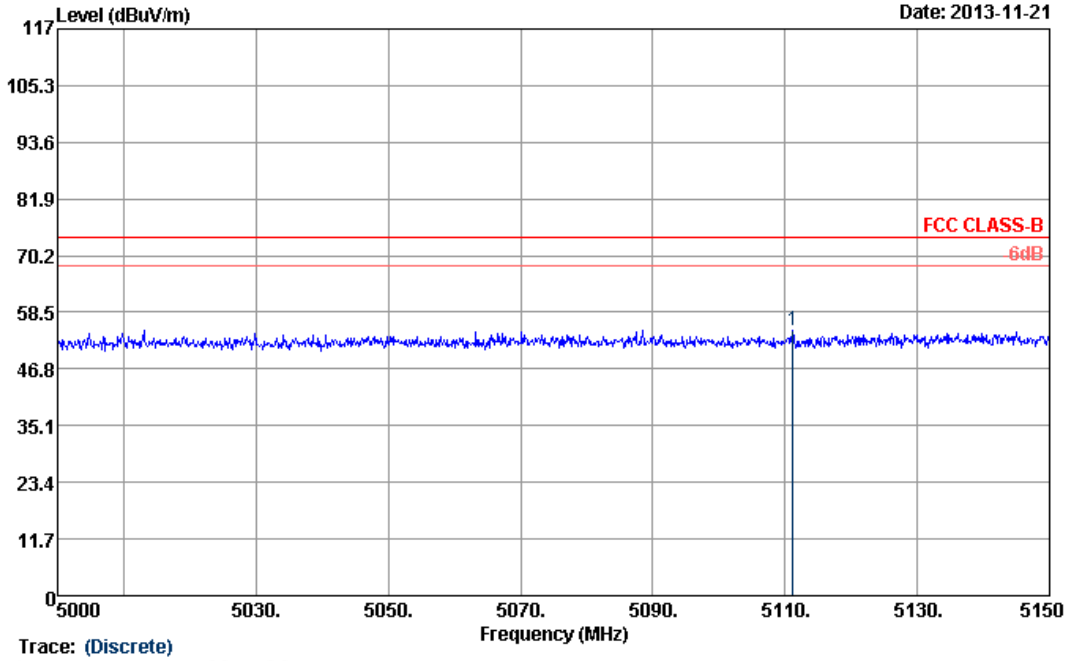


ANTENNA POLARITY : VERTICAL

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
5351.54	45.35	-8.65	54	33.25	34.65	10.72	33.27	100	321	Average

Note: Worst case measurement on 5351.54 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

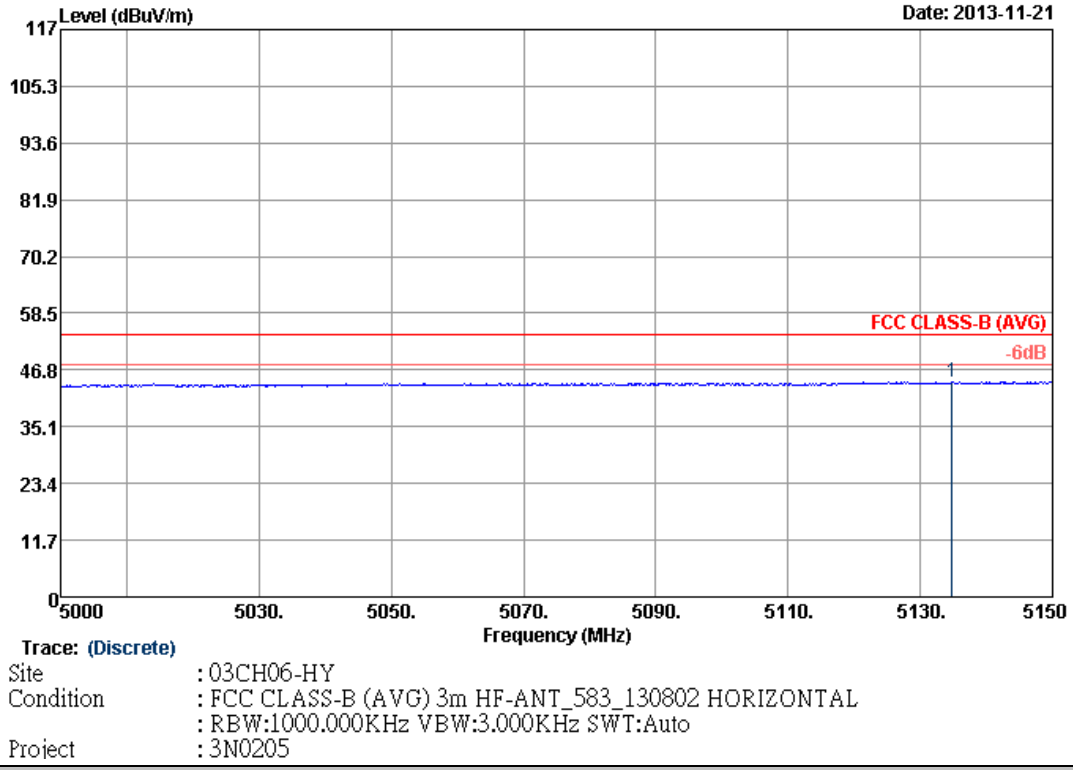


ANTENNA POLARITY : HORIZONTAL

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
5111.15	54.75	-19.25	74	43.34	34.42	10.37	33.38	102	282	Peak

Note: Worst case measurement on 5111.15 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

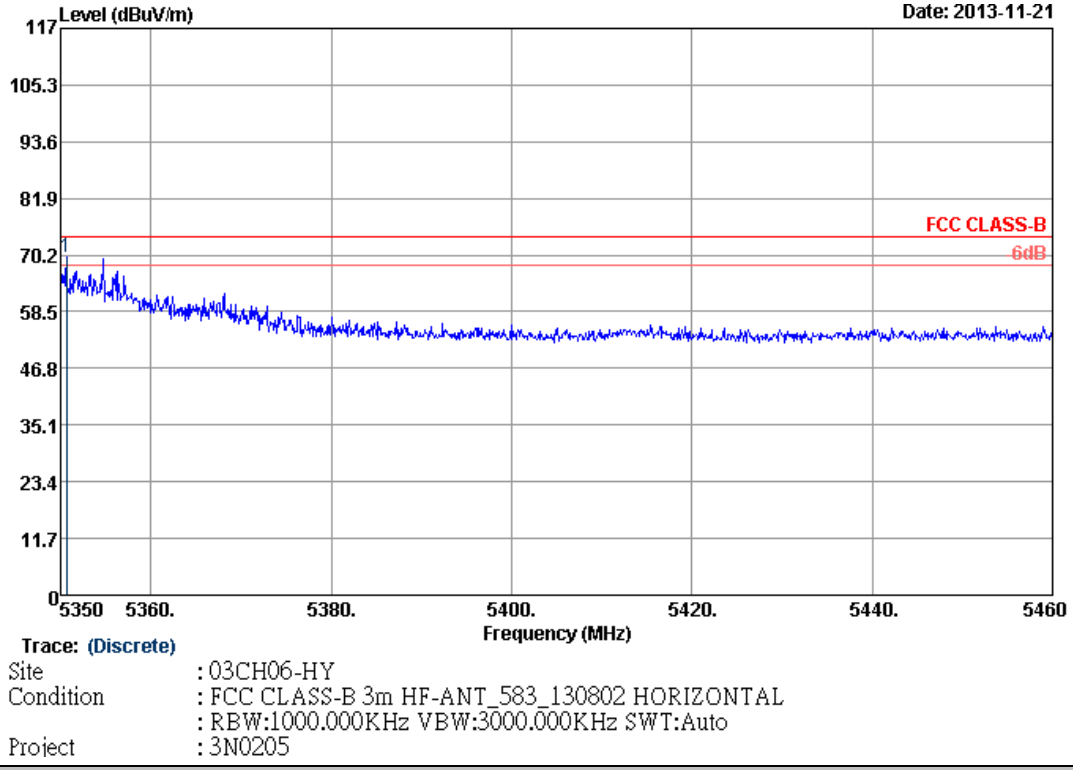


ANTENNA POLARITY : HORIZONTAL

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
5134.85	44.37	-9.63	54	32.9	34.43	10.4	33.36	102	282	Average

Note: Worst case measurement on 5134.85 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

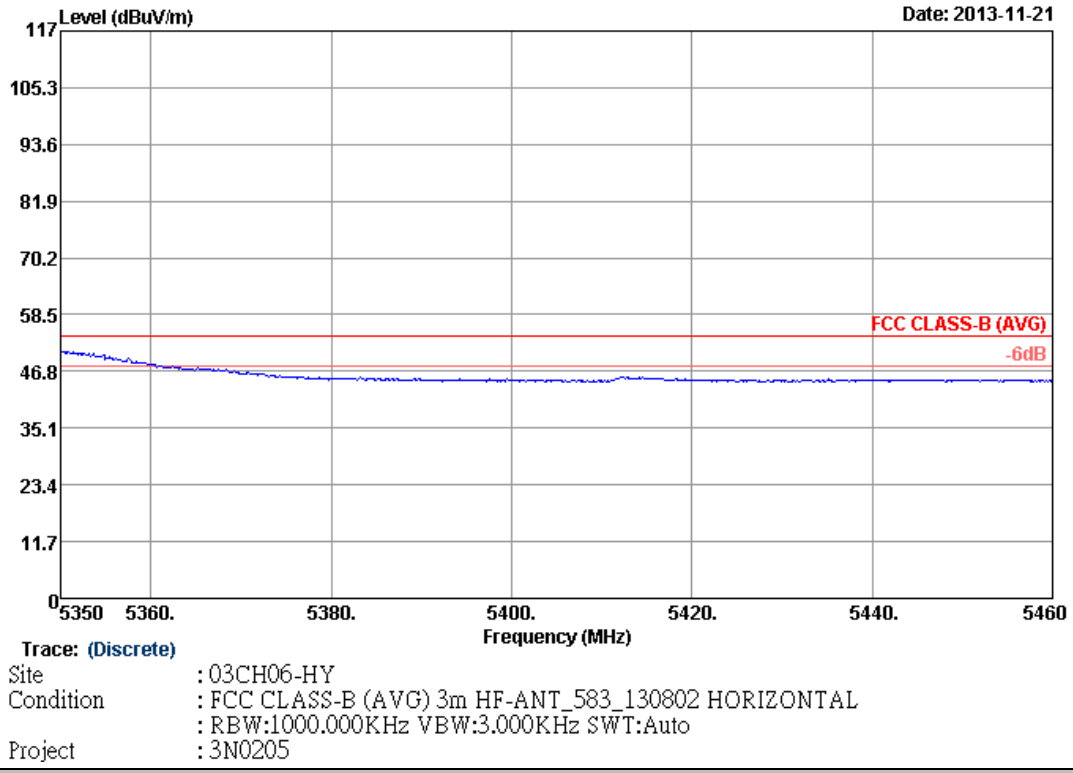


ANTENNA POLARITY : HORIZONTAL

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
5350.66	69.7	-4.3	74	57.6	34.65	10.72	33.27	102	282	Peak

Note: Worst case measurement on 5350.66 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

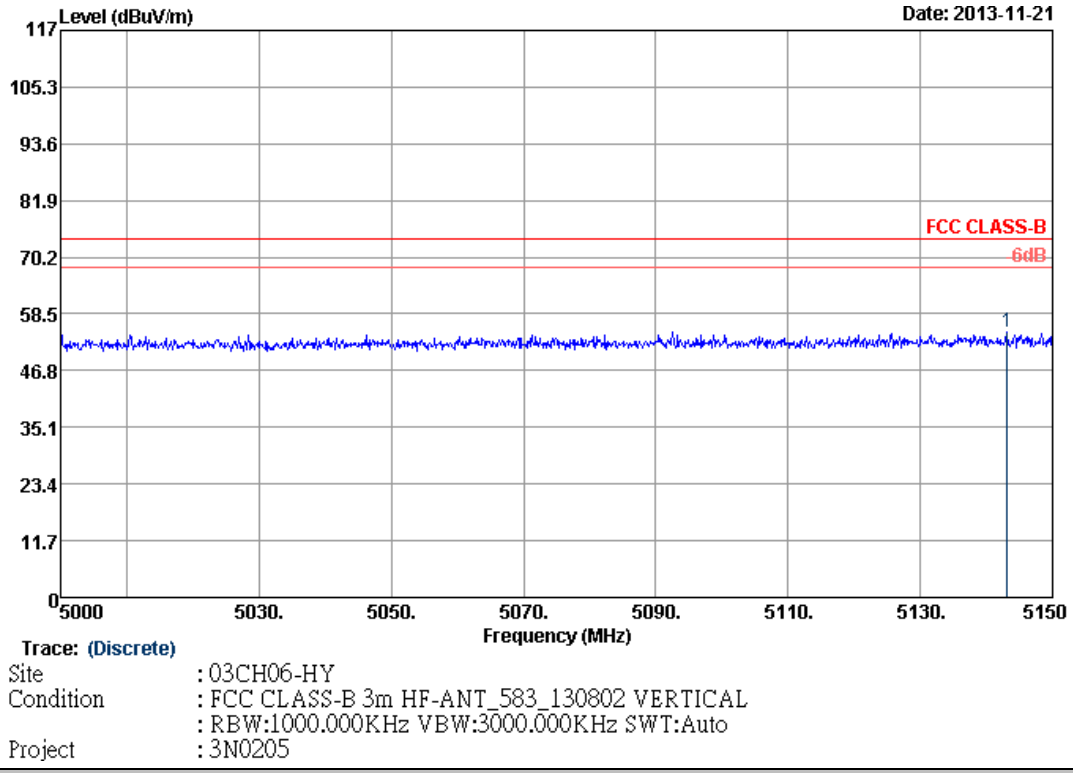


ANTENNA POLARITY : HORIZONTAL

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	50.99	-3.01	54	38.89	34.65	10.72	33.27	102	282	Average

Note: Worst case measurement on 5350 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

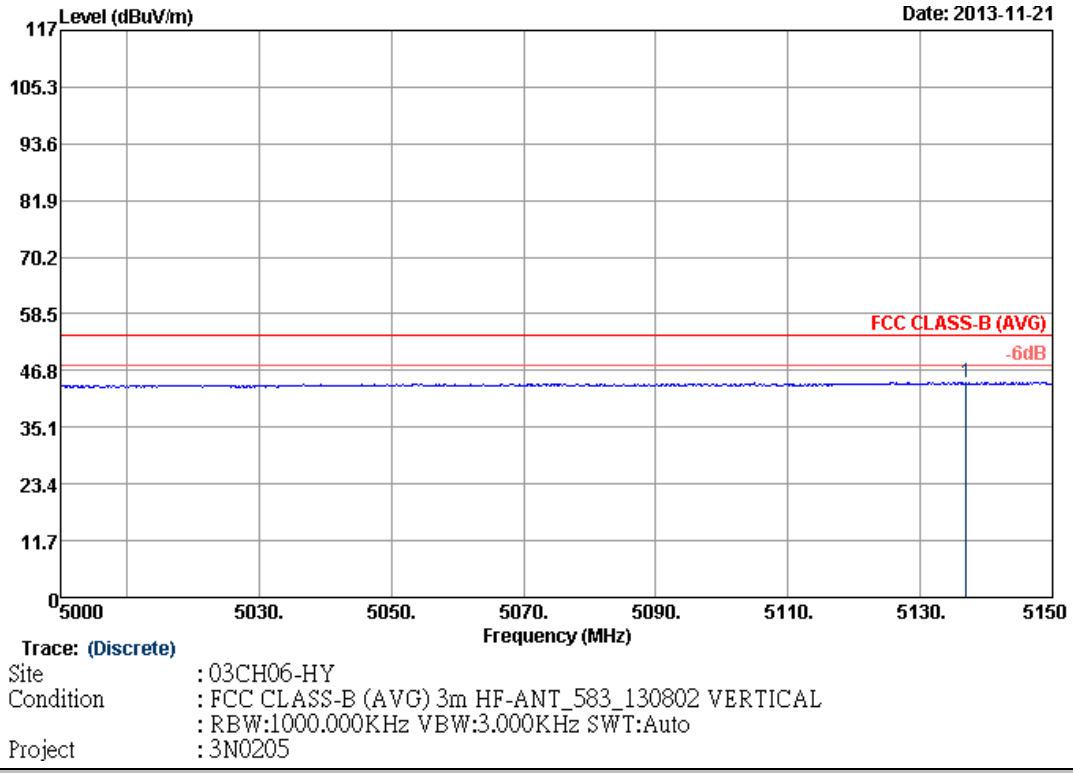


ANTENNA POLARITY : VERTICAL

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
5143.1	54.9	-19.1	74	43.37	34.45	10.44	33.36	100	321	Peak

Note: Worst case measurement on 5143.1 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

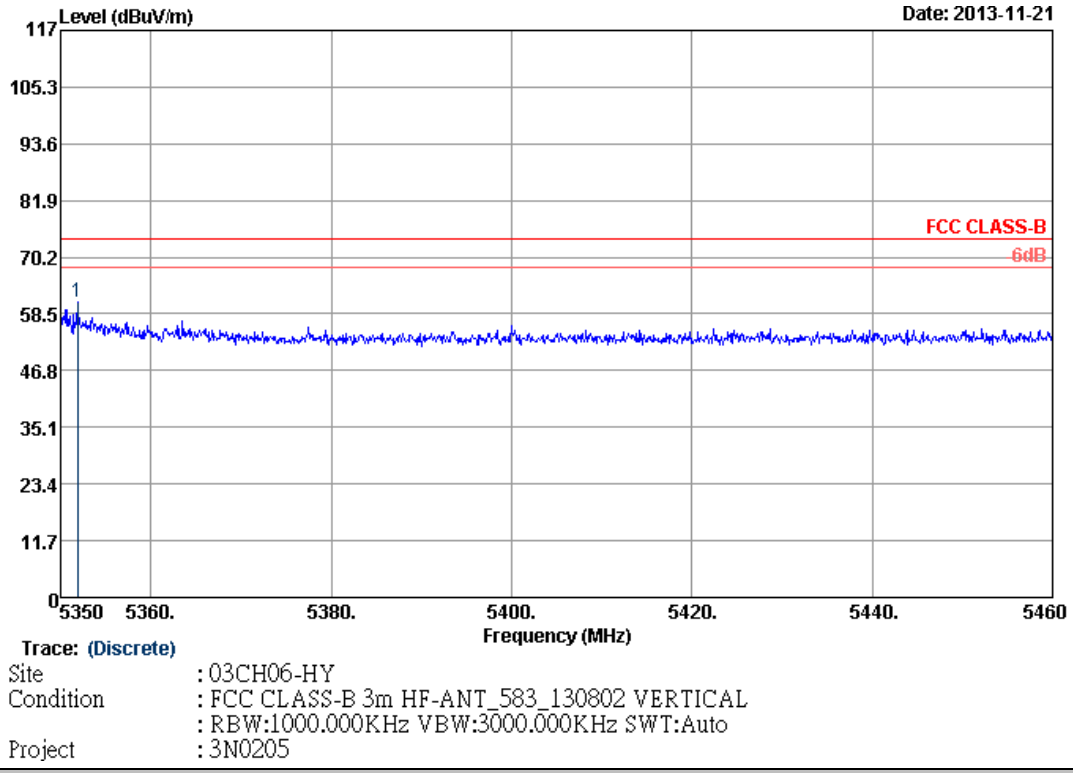


ANTENNA POLARITY : VERTICAL

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
5136.95	44.38	-9.62	54	32.91	34.43	10.4	33.36	100	321	Average

Note: Worst case measurement on 5136.95 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5000-5150MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

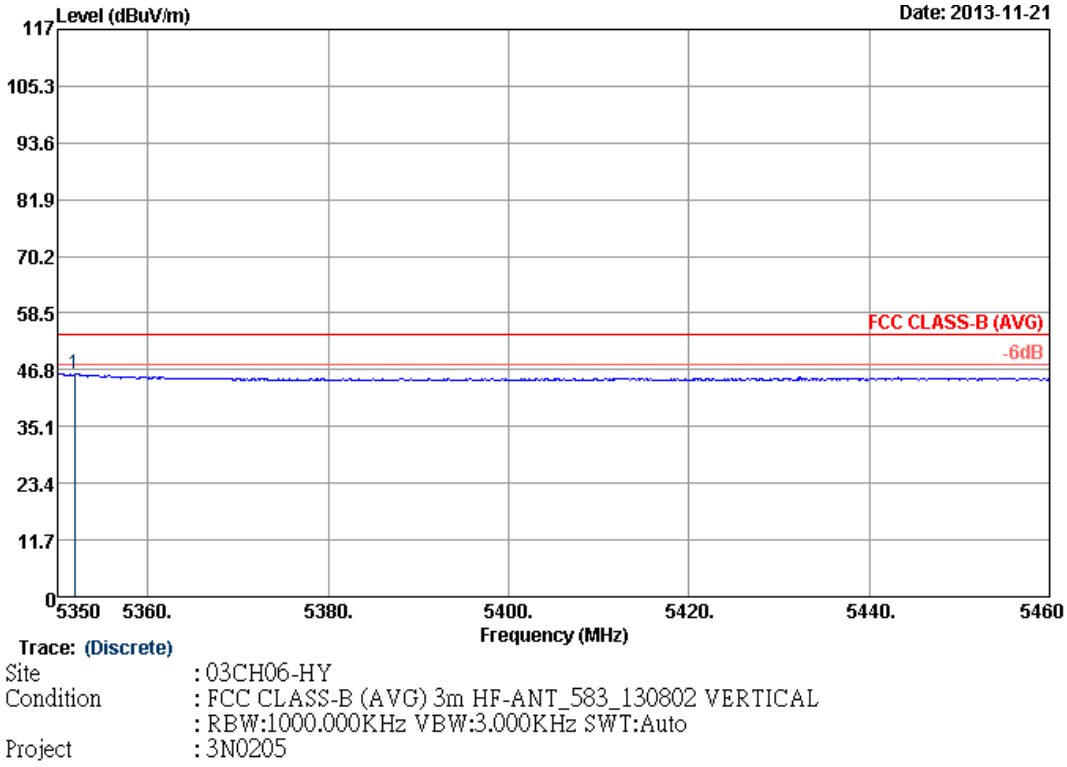


ANTENNA POLARITY : VERTICAL

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
5351.87	60.87	-13.13	74	48.77	34.65	10.72	33.27	100	321	Peak

Note: Worst case measurement on 5351.87 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	62	Test Engineer :	Marlboro Hsu

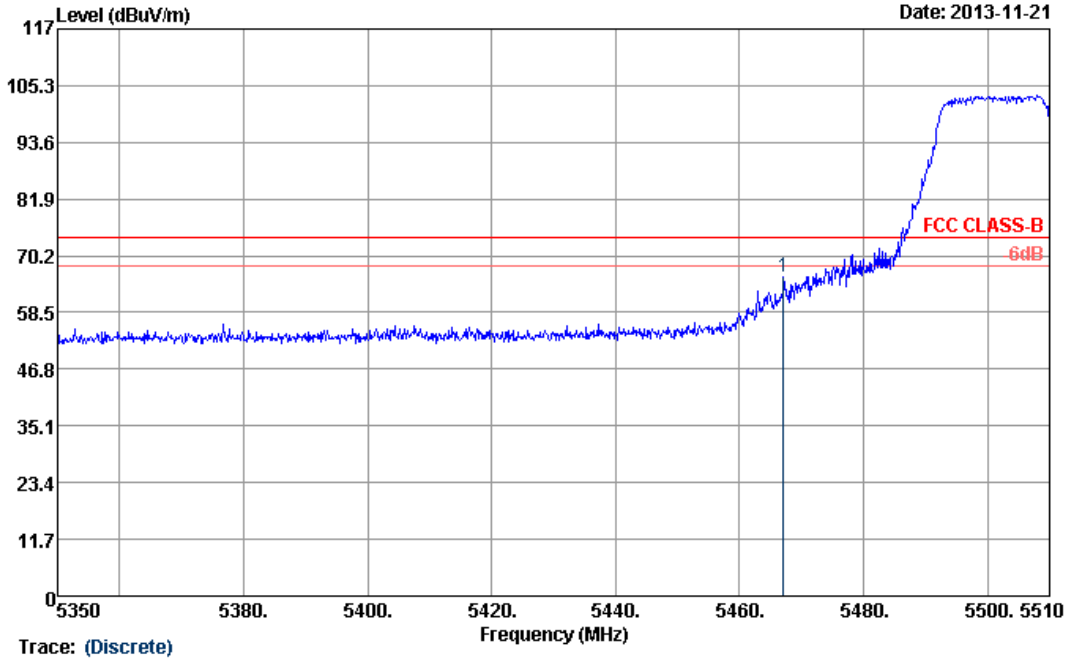


ANTENNA POLARITY : VERTICAL

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
5351.87	45.99	-8.01	54	33.89	34.65	10.72	33.27	100	321	Average

Note: Worst case measurement on 5351.87 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

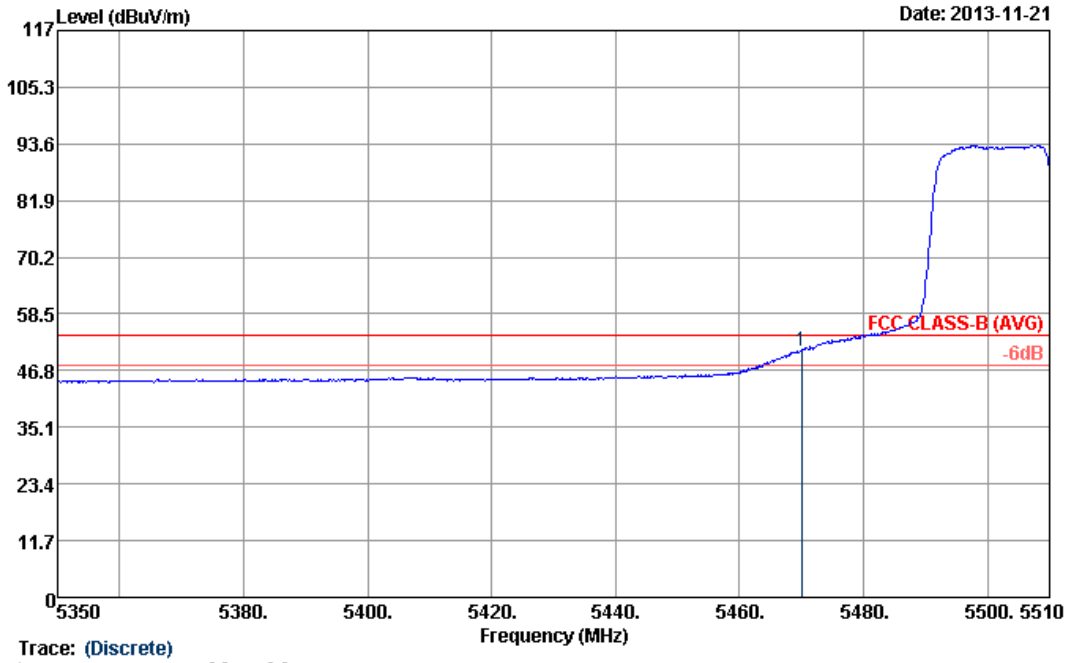


ANTENNA POLARITY : HORIZONTAL

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
5467.12	65.71	-8.29	74	53.27	34.77	10.89	33.22	100	351	Peak

Note: Worst case measurement on 5467.12 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

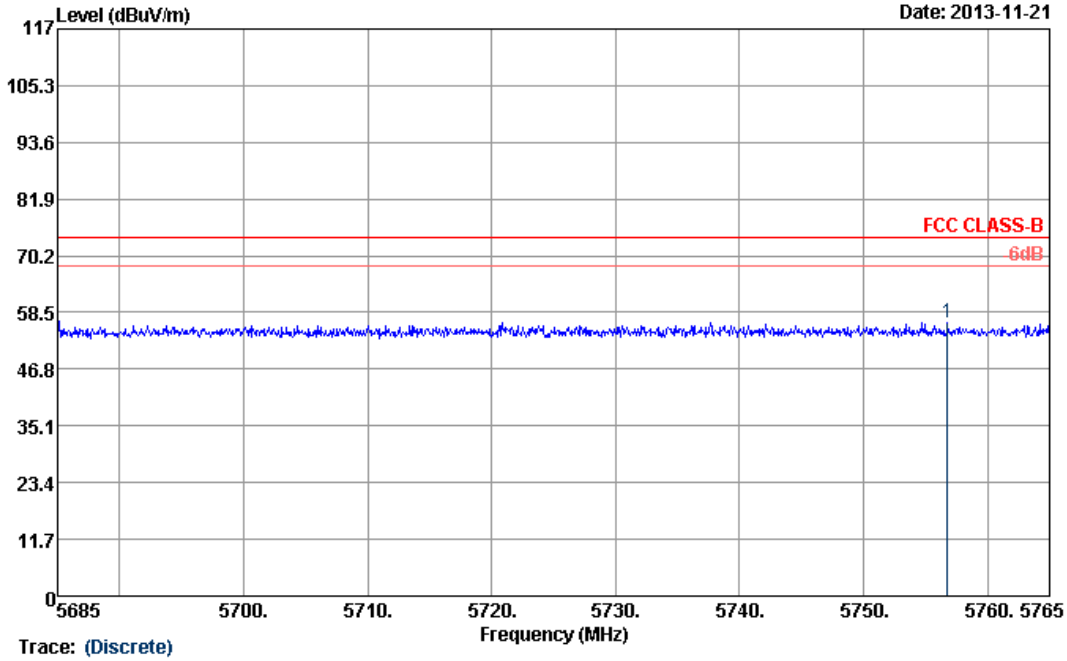


ANTENNA POLARITY : HORIZONTAL

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	50.82	-3.18	54	38.38	34.77	10.89	33.22	100	351	Average

Note: Worst case measurement on 5470 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

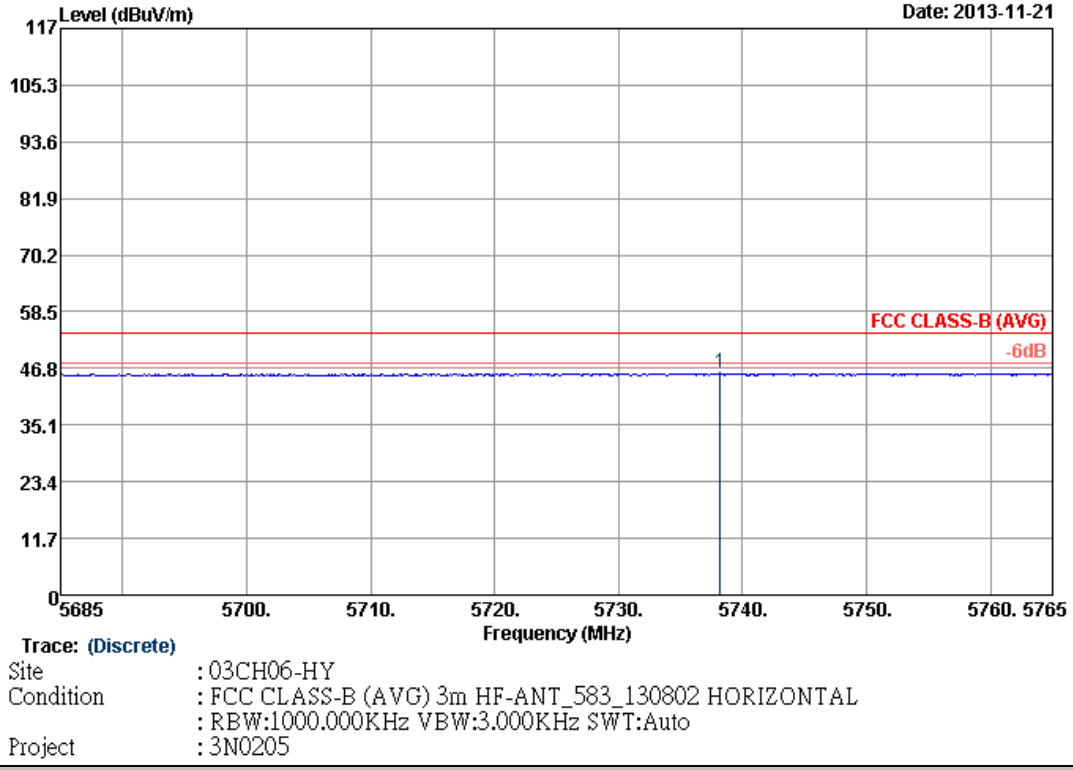


ANTENNA POLARITY : HORIZONTAL

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
5756.76	56.52	-17.48	74	43.38	35.06	11.39	33.31	100	351	Peak

Note: Worst case measurement on 5756.76 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

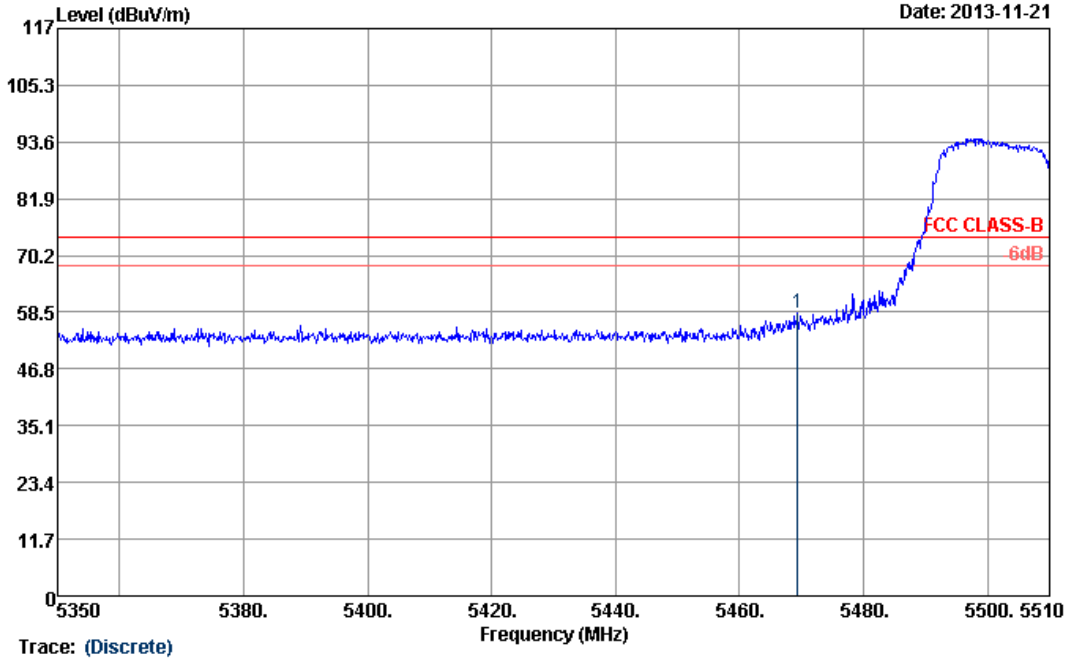


ANTENNA POLARITY : HORIZONTAL

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
5738.2	45.8	-8.2	54	32.72	35.04	11.34	33.3	100	351	Average

Note: Worst case measurement on 5738.2 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

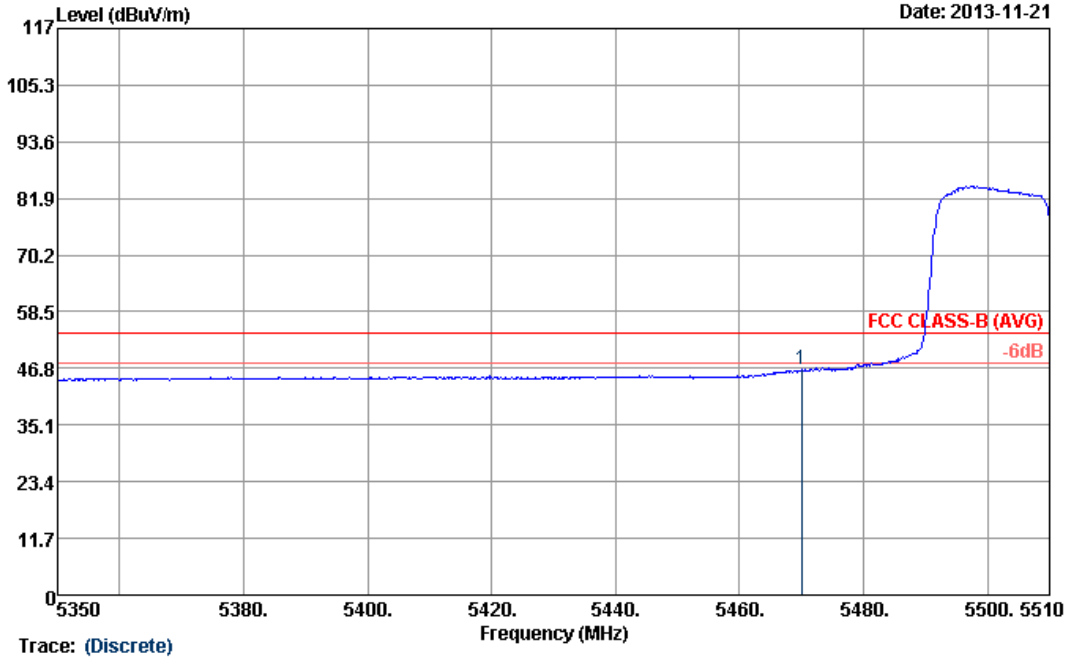


ANTENNA POLARITY : VERTICAL

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
5469.36	58.37	-15.63	74	45.93	34.77	10.89	33.22	101	271	Peak

Note: Worst case measurement on 5469.36 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu



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	46.53	-7.47	54	34.09	34.77	10.89	33.22	101	271	Average

Note: Worst case measurement on 5470 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. Both the test results are compliance with the FCC limit line.

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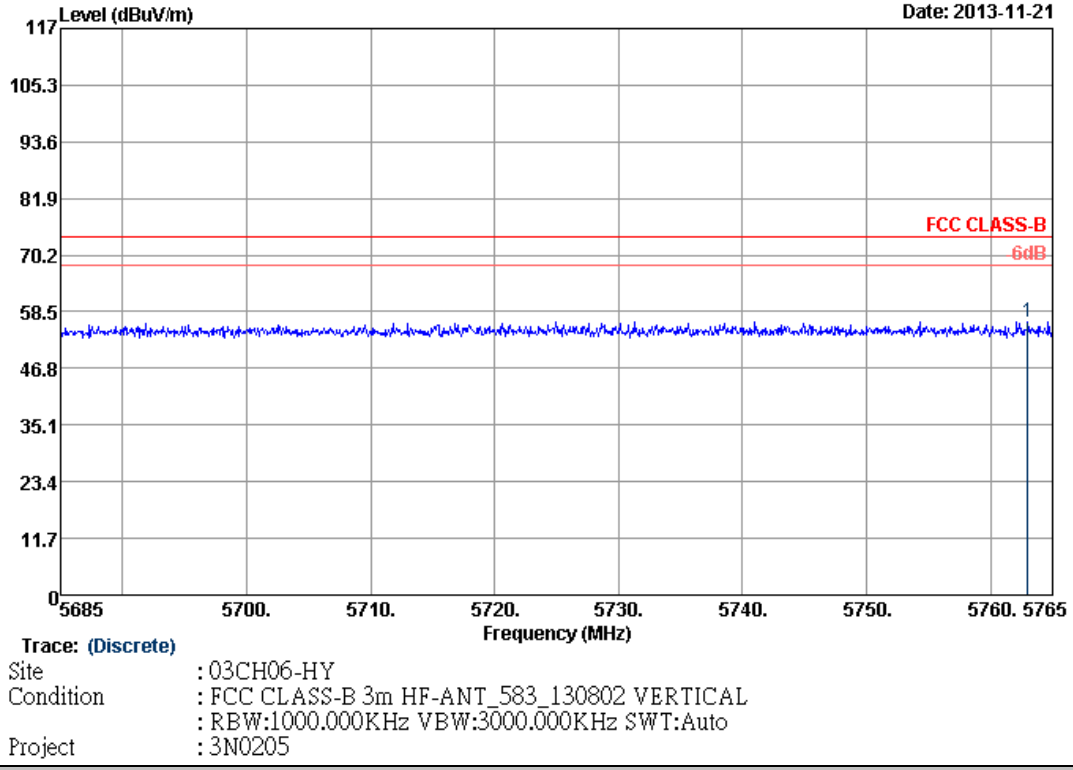
Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

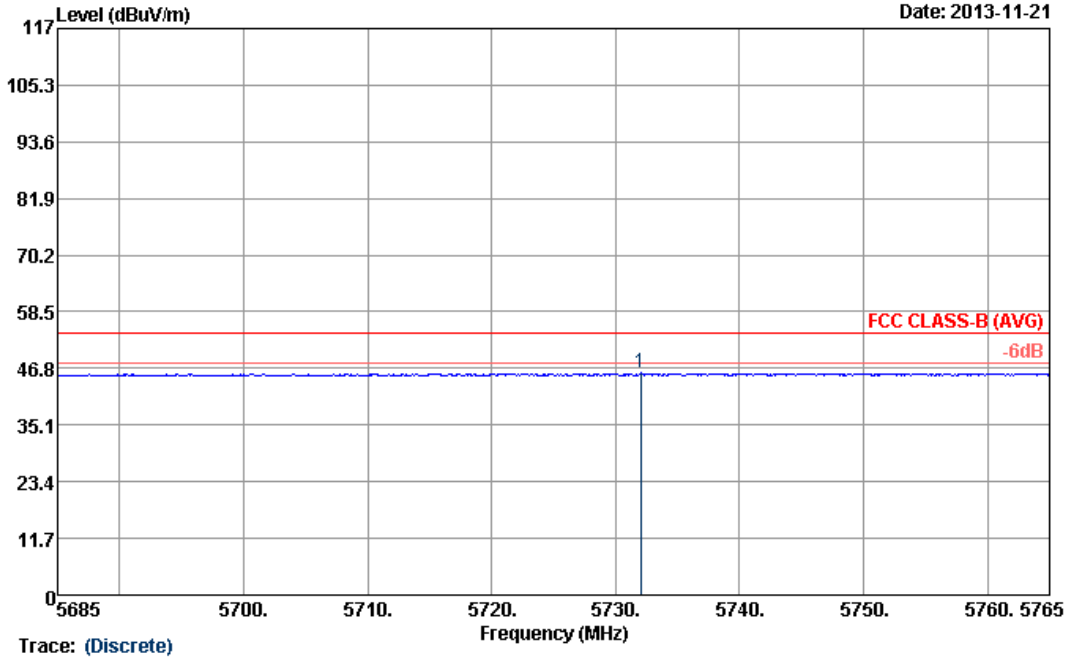


ANTENNA POLARITY : VERTICAL

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
5763	56.43	-17.57	74	43.29	35.06	11.39	33.31	101	271	Peak

Note: Worst case measurement on 5763 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	Low	Relative Humidity :	47~49%
Test Channel :	102	Test Engineer :	Marlboro Hsu

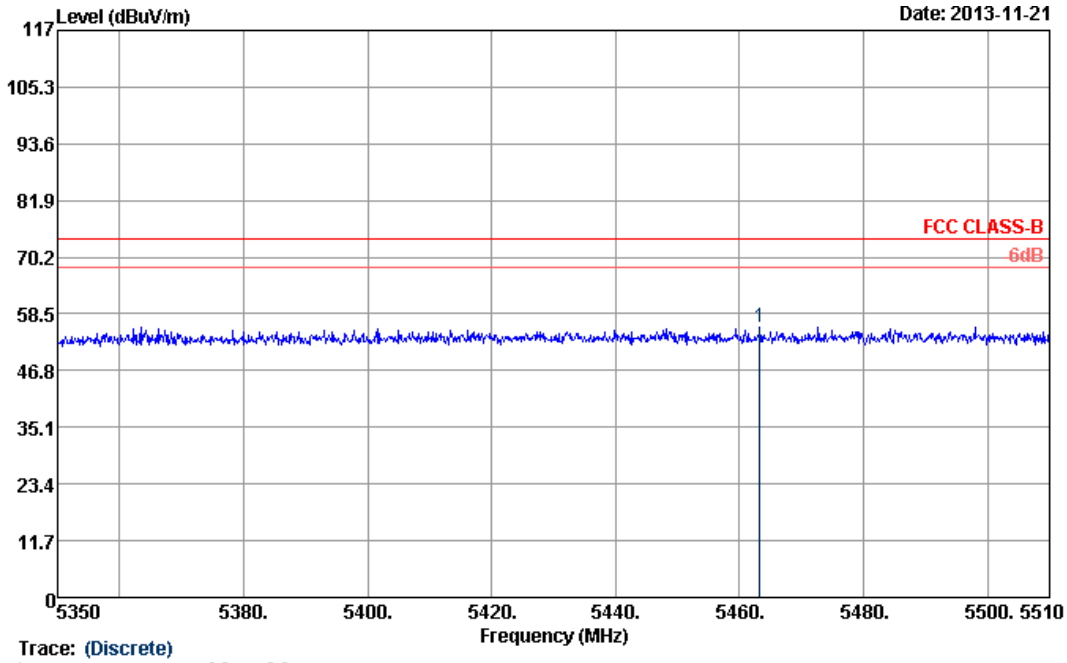


ANTENNA POLARITY : VERTICAL

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
5732.04	45.82	-8.18	54	32.76	35.02	11.34	33.3	101	271	Average

Note: Worst case measurement on 5732.04 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

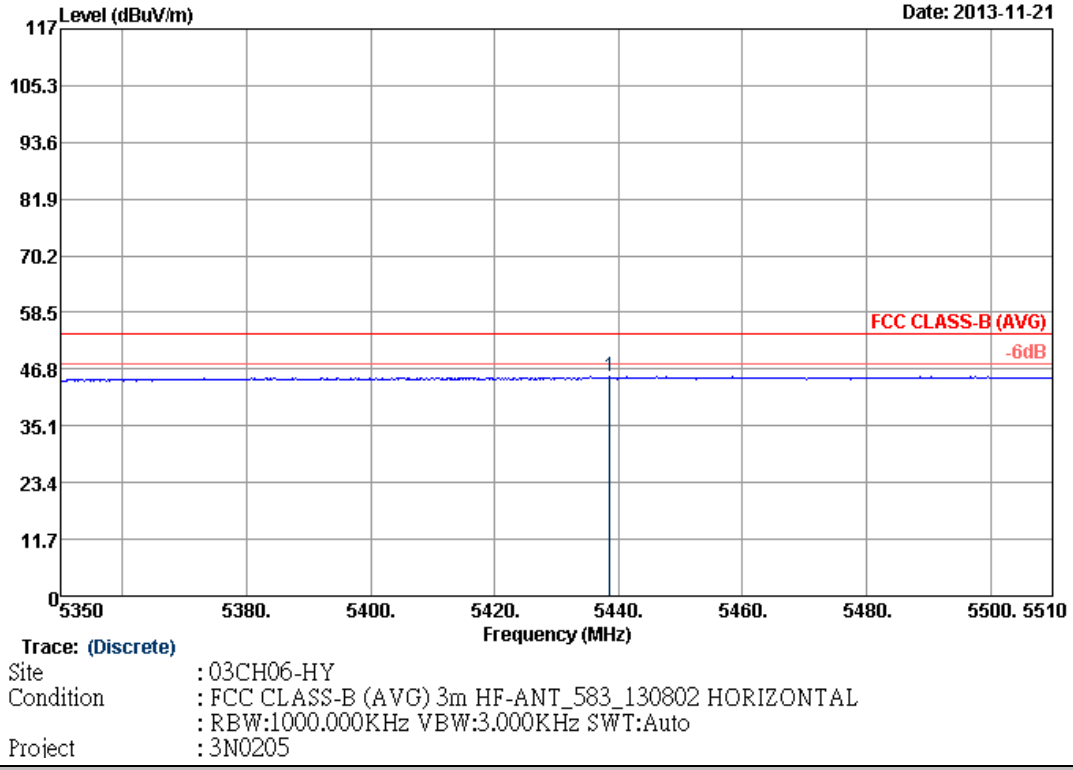


ANTENNA POLARITY : HORIZONTAL

Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5463.28	55.87	-18.13	74	43.43	34.77	10.89	33.22	100	345	Peak

Note: Worst case measurement on 5463.28 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5460-5510MHz is within the operating band and not within the restricted band. And, 5350-5460MHz is the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

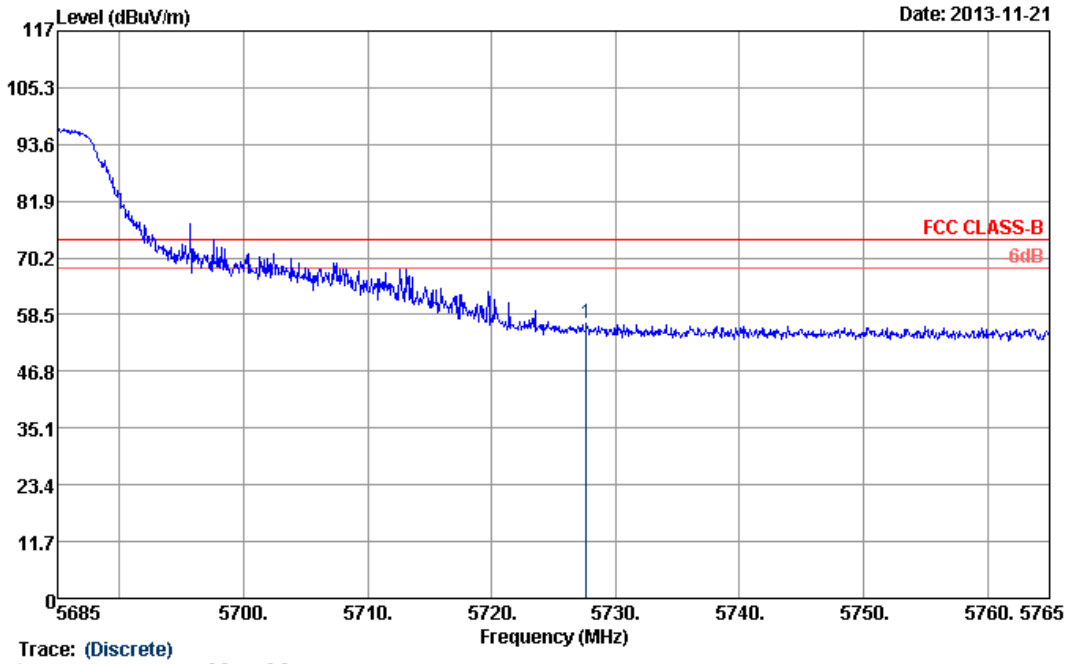


ANTENNA POLARITY : HORIZONTAL

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
5438.64	45.21	-8.79	54	32.85	34.73	10.86	33.23	100	345	Average

Note: Worst case measurement on 5438.64 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. And, 5460-5510MHz is within the operating band and not within the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

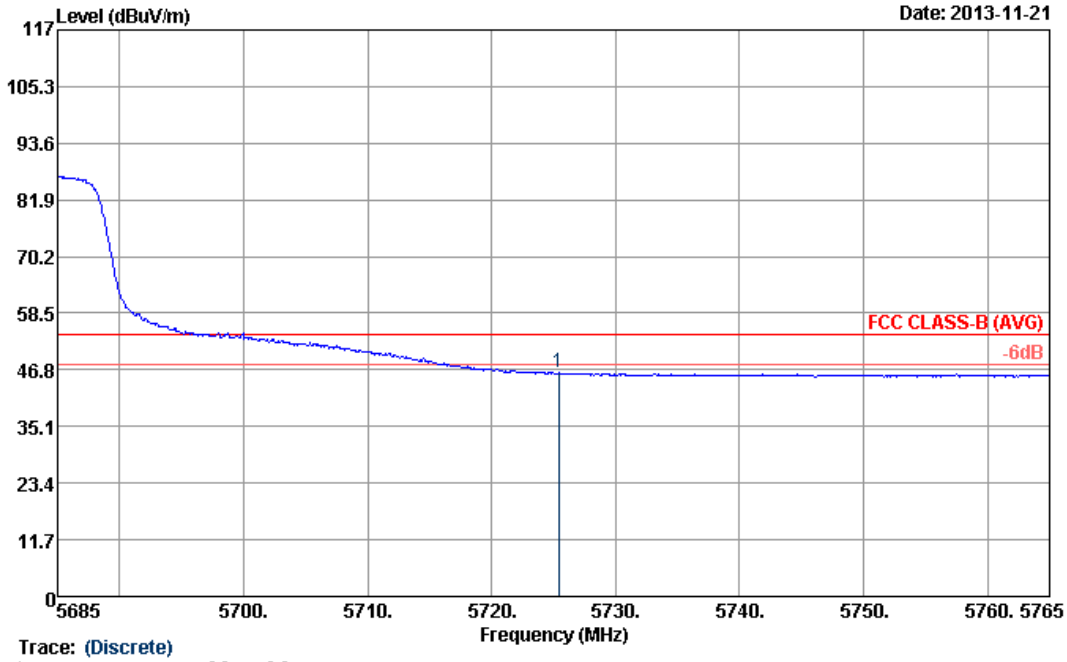


ANTENNA POLARITY : HORIZONTAL

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
5727.64	56.63	-17.37	74	43.56	35.02	11.34	33.29	100	345	Peak

Note: Worst case measurement on 5727.64 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

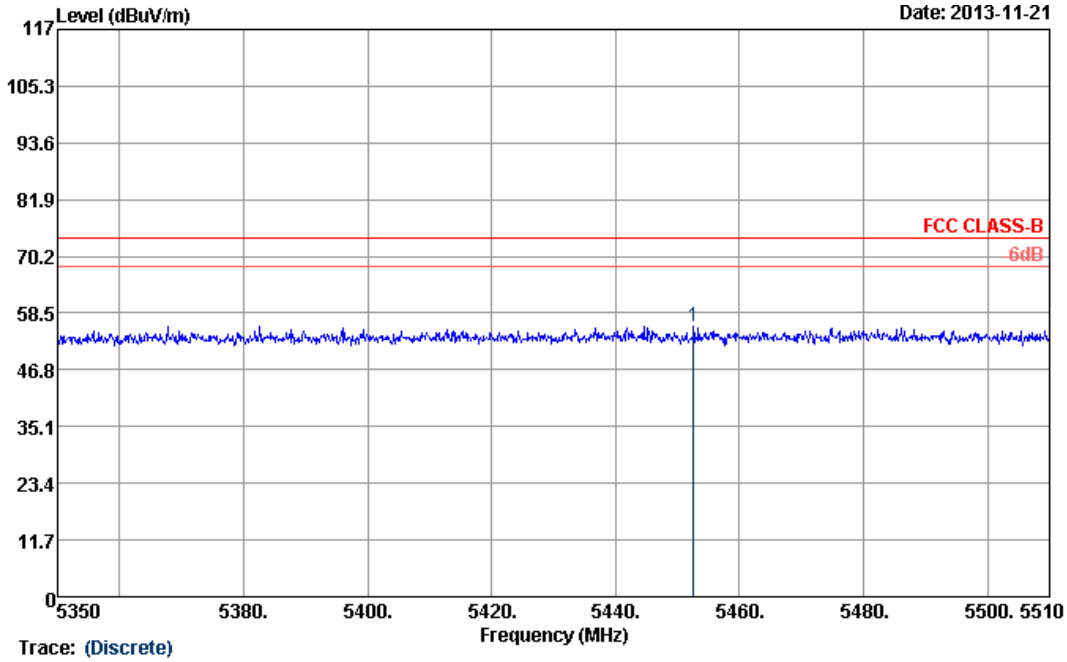


ANTENNA POLARITY : HORIZONTAL

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
5725.4	46.15	-7.85	54	33.08	35.02	11.34	33.29	100	345	Average

Note: Worst case measurement on 5725.4 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

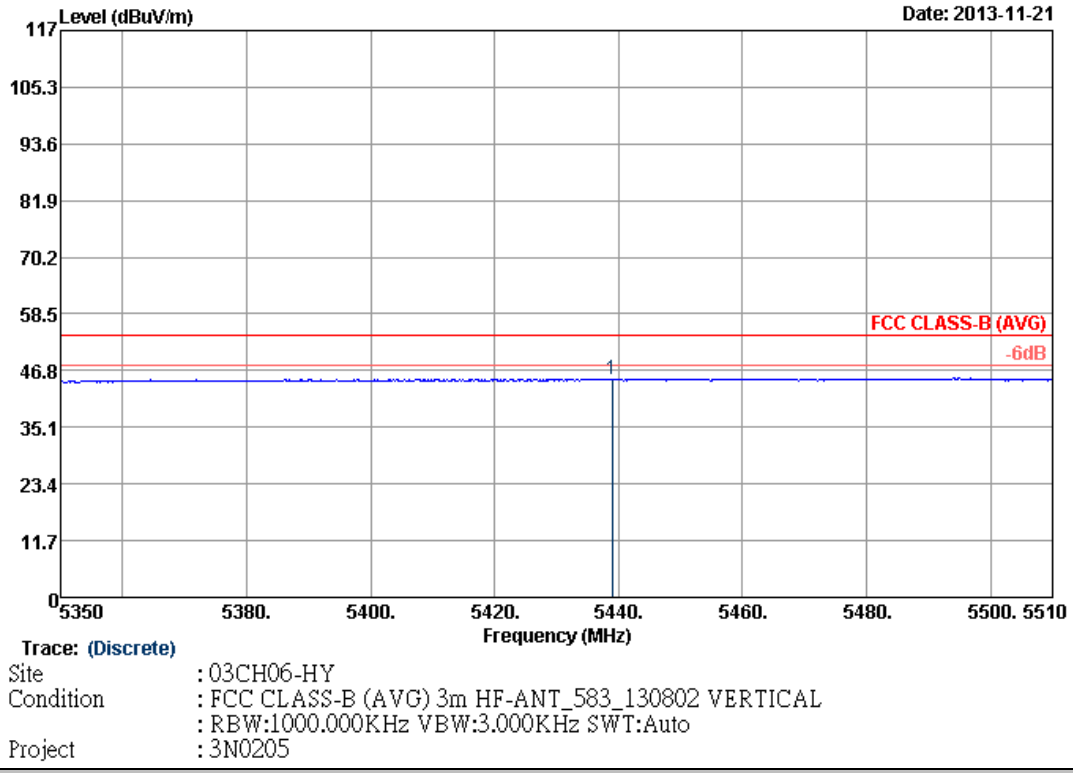


ANTENNA POLARITY : VERTICAL

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
5452.56	55.68	-18.32	74	43.26	34.75	10.89	33.22	102	327	Peak

Note: Worst case measurement on 5452.56 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. And, 5460-5510MHz is within the operating band and not within the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

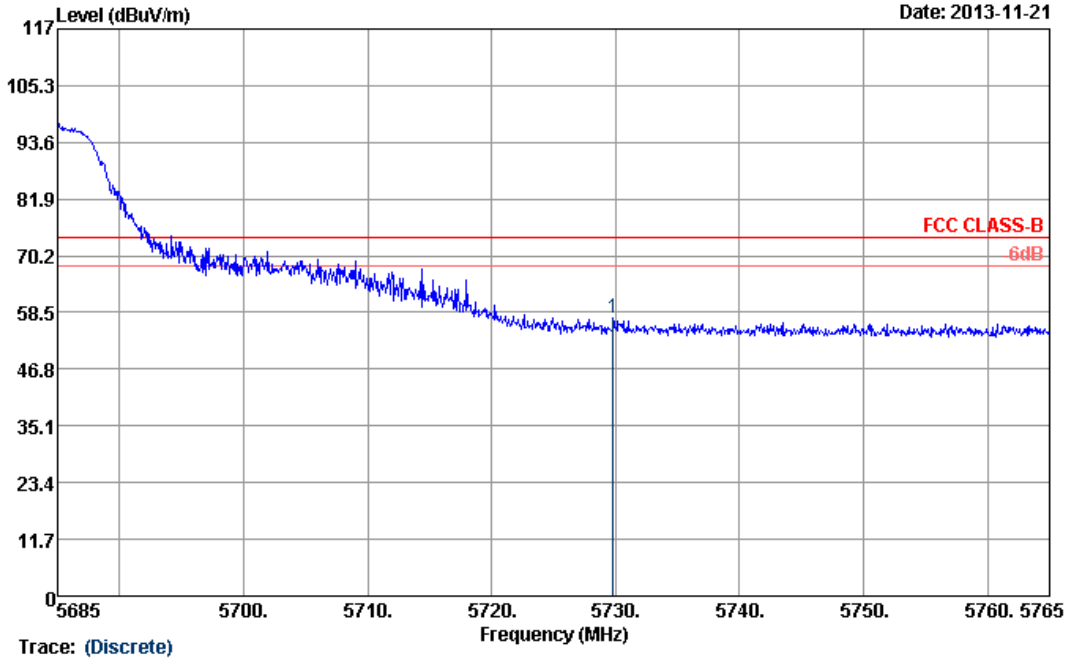


ANTENNA POLARITY : VERTICAL

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
5438.96	45.13	-8.87	54	32.77	34.73	10.86	33.23	102	327	Average

Note: Worst case measurement on 5438.96 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement in the restricted band 5350-5460MHz. And, 5460-5510MHz is within the operating band and not within the restricted band. Both the test results are compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu

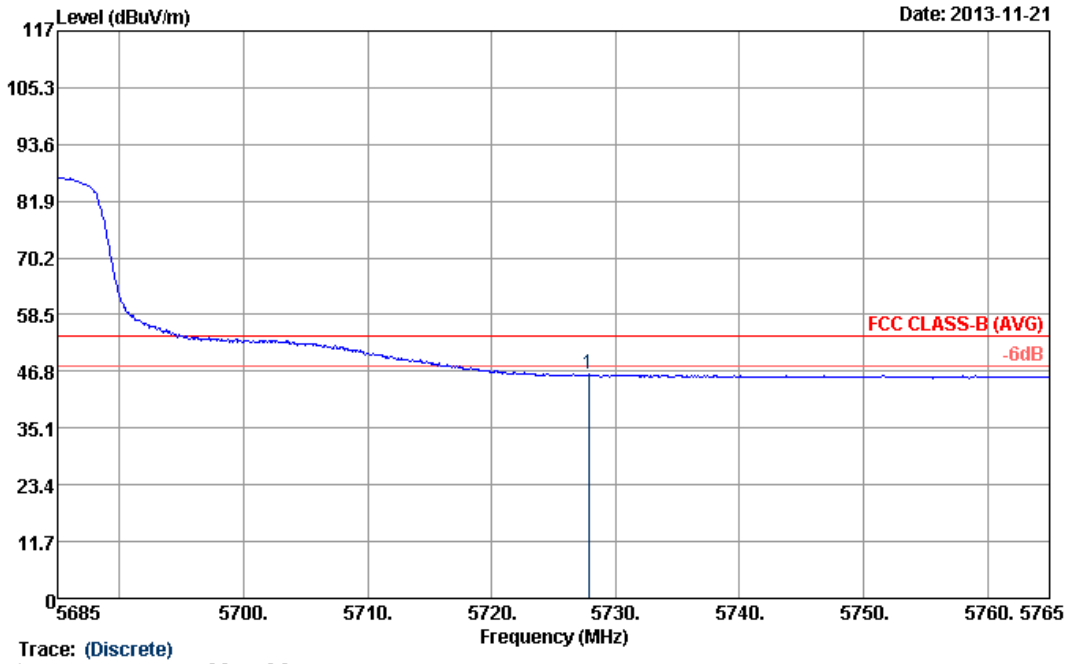


ANTENNA POLARITY : VERTICAL

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
5729.8	57.49	-16.51	74	44.42	35.02	11.34	33.29	102	327	Peak

Note: Worst case measurement on 5729.8 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Band :	High	Relative Humidity :	47~49%
Test Channel :	134	Test Engineer :	Marlboro Hsu



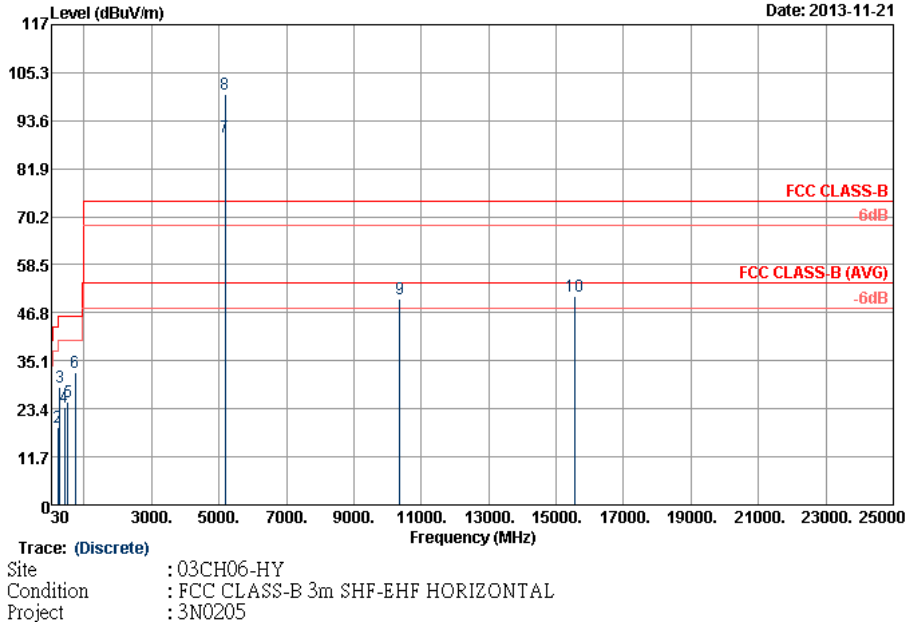
ANTENNA POLARITY : VERTICAL

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
5727.8	46.2	-7.8	54	33.13	35.02	11.34	33.29	102	327	Average

Note: Worst case measurement on 5727.8 MHz is compliance with 74/54 dBuV/m (peak/average) limit and band edge measurement 5685-5765MHz is within the operating band and not within the restricted band. The test result is compliance with the FCC limit line.

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

Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	36	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5181 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

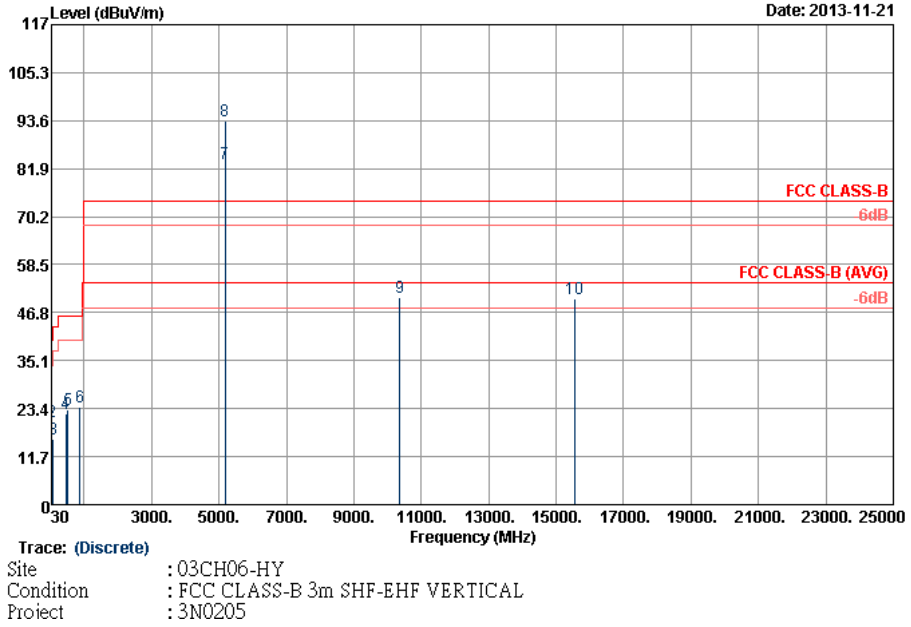


ANTENNA POLARITY : HORIZONTAL

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
30.54	22.84	-17.16	40	36.09	17.9	0.65	31.8	-	-	Peak
218.46	18.93	-27.07	46	39.87	9.18	1.62	31.74	-	-	Peak
285.15	28.55	-17.45	46	45.52	12.9	1.85	31.72	-	-	Peak
426	23.95	-22.05	46	36.75	16.8	2.25	31.85	-	-	Peak
518.4	25.15	-20.85	46	36.6	17.99	2.51	31.95	-	-	Peak
728.4	32.32	-13.68	46	41.38	19.96	2.98	32	100	27	Peak

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
5181	89.74	-	-	78.13	34.48	10.47	33.34	104	292	Average
5181	100.08	-	-	88.47	34.48	10.47	33.34	104	292	Peak
10359	50.33	-23.67	74	57.88	37.17	10.64	55.36	100	0	Peak
15540	50.86	-23.14	74	53.16	39.73	11.79	53.82	100	0	Peak

Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	36	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5181 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

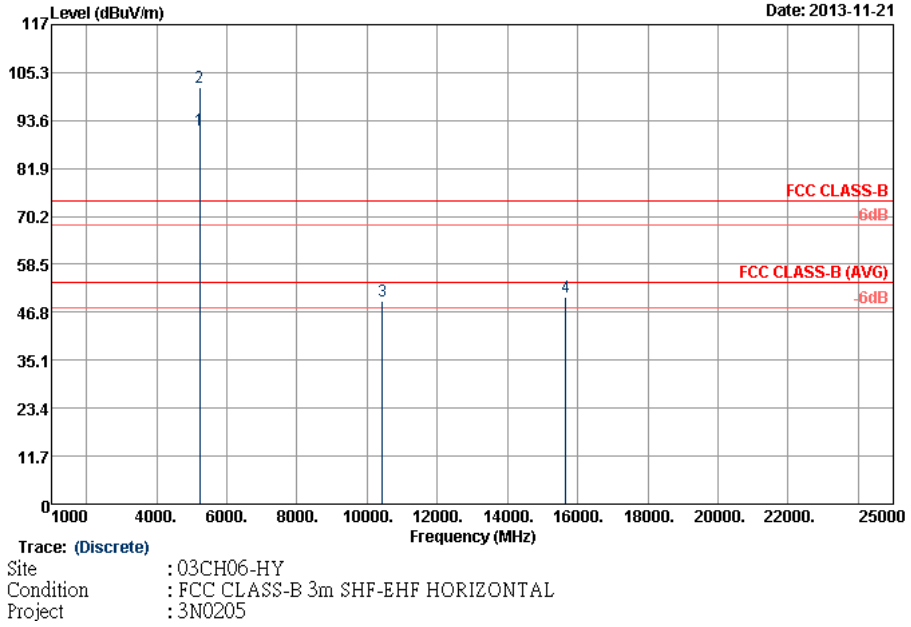


ANTENNA POLARITY : VERTICAL

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
30.54	31.23	-8.77	40	44.48	17.9	0.65	31.8	100	192	Peak
46.74	20.25	-19.75	40	42.09	9.17	0.77	31.78	-	-	Peak
81.84	15.87	-24.13	40	39.39	7.24	1	31.76	-	-	Peak
450.5	22.07	-23.93	46	34.71	16.93	2.31	31.88	-	-	Peak
522.6	23.23	-22.77	46	34.59	18.09	2.51	31.96	-	-	Peak
872.6	23.93	-22.07	46	31.38	20.9	3.29	31.64	-	-	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
5181	83.09	-	-	71.48	34.48	10.47	33.34	100	90	Average
5181	93.4	-	-	81.79	34.48	10.47	33.34	100	90	Peak
10359	50.52	-23.48	74	58.07	37.17	10.64	55.36	100	0	Peak
15540	50.21	-23.79	74	52.51	39.73	11.79	53.82	100	0	Peak

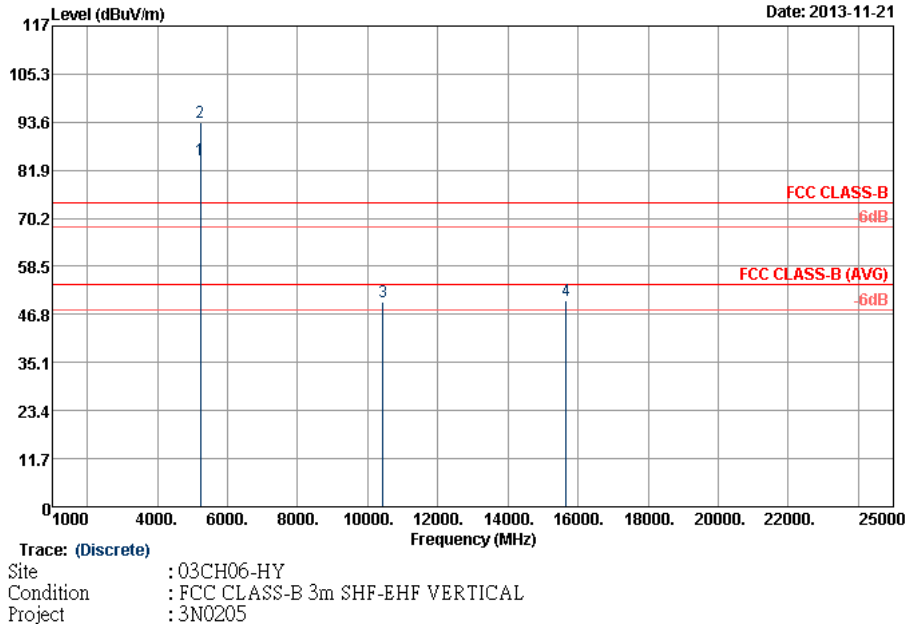
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	44	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5221 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5221	91.37	-	-	79.63	34.52	10.54	33.32	104	292	Average
5221	101.55	-	-	89.81	34.52	10.54	33.32	104	292	Peak
10440	49.5	-24.5	74	56.9	37.23	10.65	55.28	100	0	Peak
15660	50.52	-23.48	74	52.47	39.86	11.75	53.56	100	0	Peak

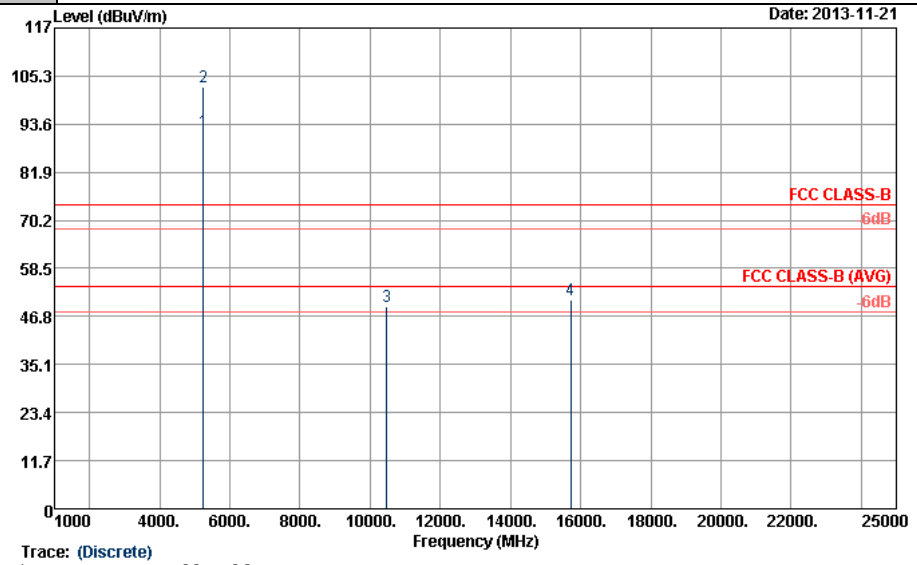
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	44	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5221 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5^{th} ,6^{th} , 7^{th},…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5221	84.25	-	-	72.51	34.52	10.54	33.32	100	91	Average
5221	93.68	-	-	81.94	34.52	10.54	33.32	100	91	Peak
10440	49.76	-24.24	74	57.16	37.23	10.65	55.28	100	0	Peak
15660	50.18	-23.82	74	52.13	39.86	11.75	53.56	100	0	Peak

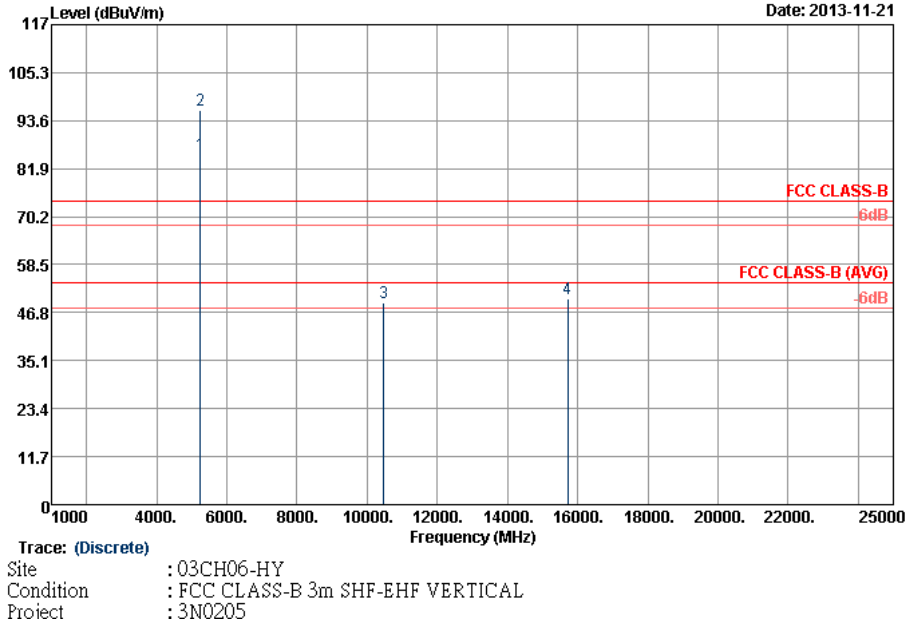
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	48	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5239 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5239	91.89	-	-	80.1	34.53	10.58	33.32	143	293	Average
5239	102.77	-	-	90.98	34.53	10.58	33.32	143	293	Peak
10479	49.19	-24.81	74	56.47	37.28	10.66	55.22	100	0	Peak
15720	50.84	-23.16	74	52.59	39.92	11.74	53.41	100	0	Peak

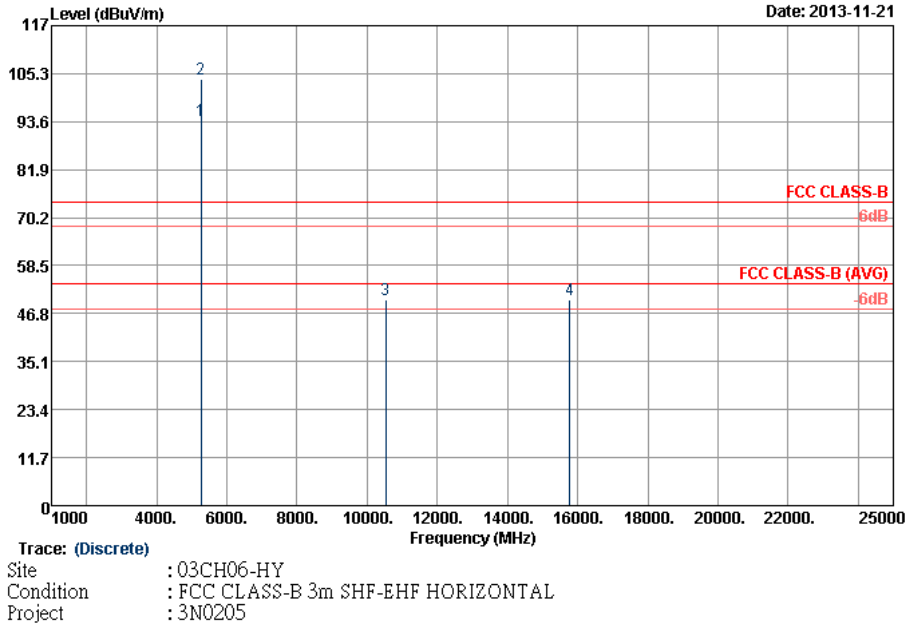
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	48	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5241 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5241	85.33	-	-	73.54	34.53	10.58	33.32	100	89	Average
5241	96.13	-	-	84.34	34.53	10.58	33.32	100	89	Peak
10479	49.2	-24.8	74	56.48	37.28	10.66	55.22	100	0	Peak
15720	50.1	-23.9	74	51.85	39.92	11.74	53.41	100	0	Peak

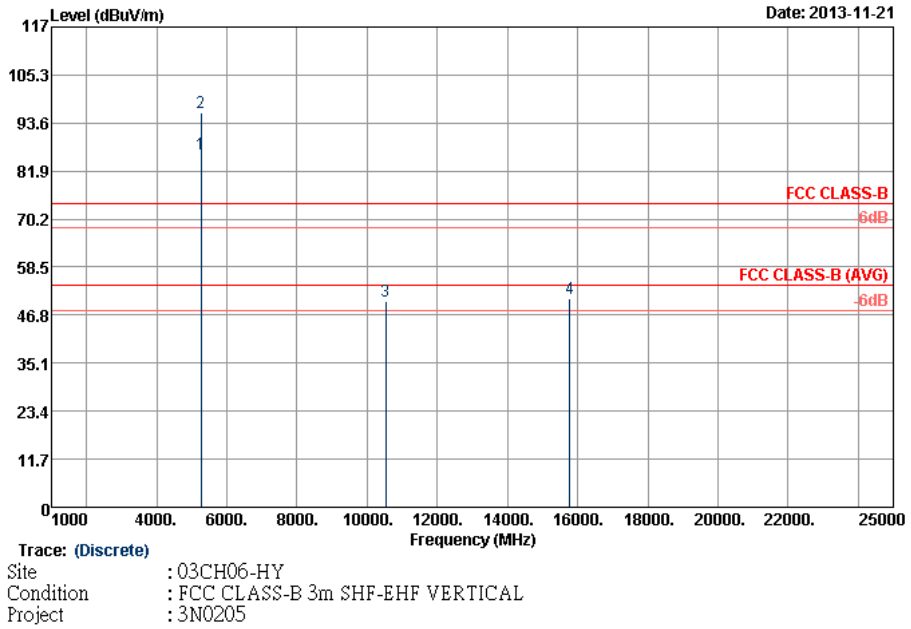
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	52	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5261 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5261	93.91	-	-	82.04	34.57	10.61	33.31	117	272	Average
5261	104.06	-	-	92.19	34.57	10.61	33.31	117	272	Peak
10521	50.04	-23.96	74	57.24	37.31	10.67	55.18	100	0	Peak
15780	50.35	-23.65	74	51.94	39.98	11.72	53.29	100	0	Peak

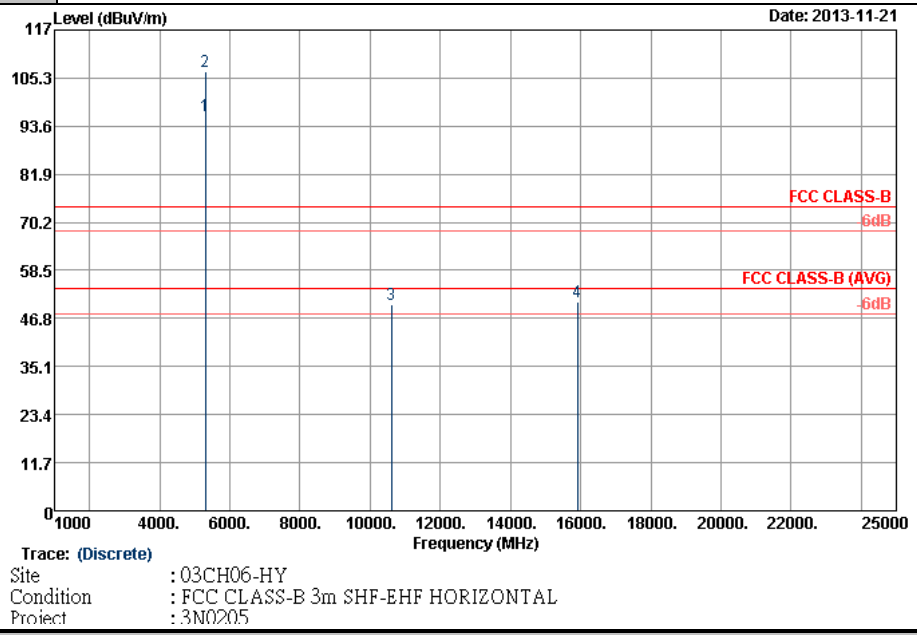
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	52	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5259 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5259	86.07	-	-	74.23	34.57	10.58	33.31	100	90	Average
5259	95.98	-	-	84.14	34.57	10.58	33.31	100	90	Peak
10521	50.26	-23.74	74	57.46	37.31	10.67	55.18	100	0	Peak
15780	50.71	-23.29	74	52.3	39.98	11.72	53.29	100	0	Peak

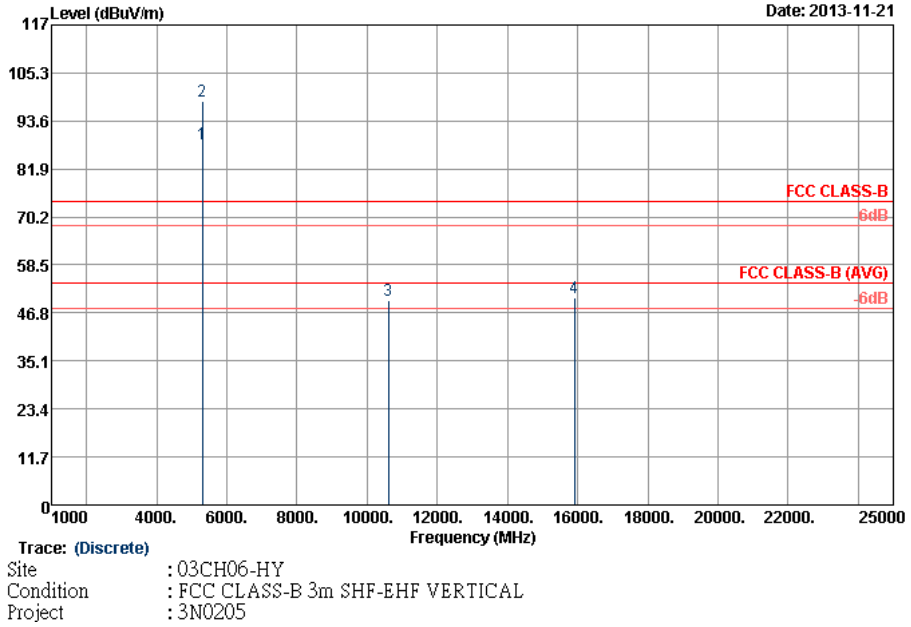
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	60	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5299 MHz is fundamental signal which can be ignored. 2. 10599 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5299	96.1	-	-	84.14	34.6	10.65	33.29	103	270	Average
5299	106.76	-	-	94.8	34.6	10.65	33.29	103	270	Peak
10599	50.32	-23.68	74	57.36	37.36	10.68	55.08	100	0	Peak
15900	50.81	-23.19	74	52.06	40.1	11.68	53.03	100	0	Peak

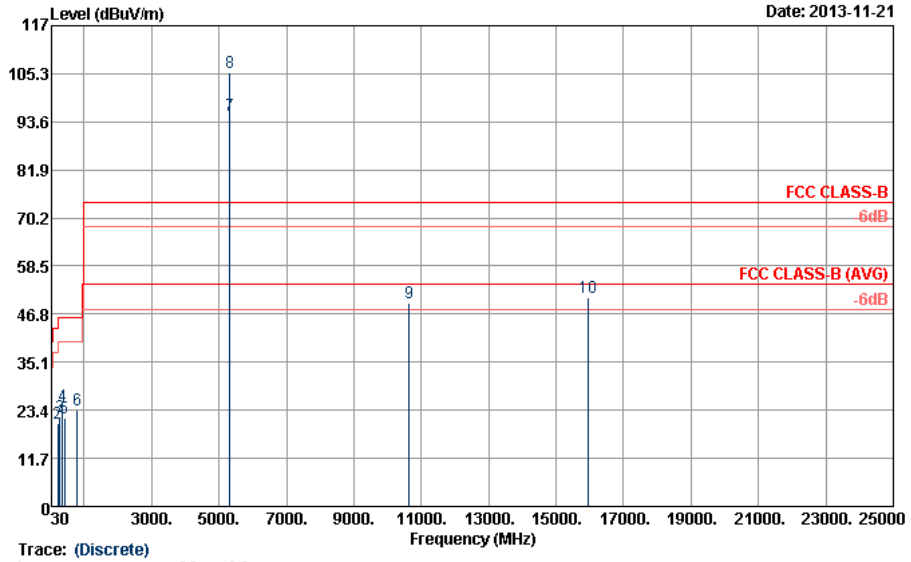
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	60	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5301 MHz is fundamental signal which can be ignored. 2. 10599 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5301	87.93	-	-	75.97	34.6	10.65	33.29	102	106	Average
5301	98.44	-	-	86.48	34.6	10.65	33.29	102	106	Peak
10599	49.78	-24.22	74	56.82	37.36	10.68	55.08	100	0	Peak
15900	50.39	-23.61	74	51.64	40.1	11.68	53.03	100	0	Peak

Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	64	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5321MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

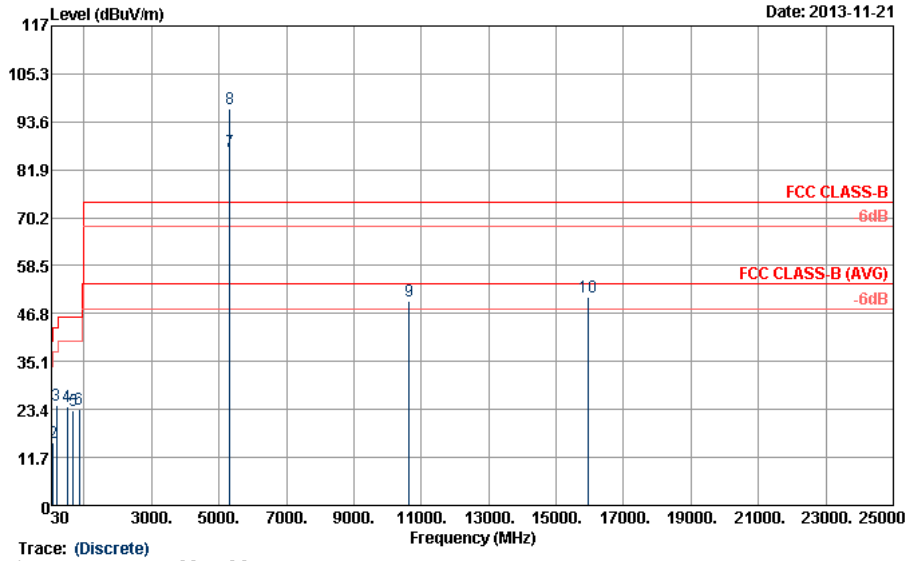


ANTENNA POLARITY : HORIZONTAL

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
31.35	19.69	-20.31	40	32.93	17.9	0.65	31.79	100	145	Peak
218.46	20.08	-25.92	46	41.02	9.18	1.62	31.74	-	-	Peak
287.85	21.74	-24.26	46	38.64	12.96	1.86	31.72	-	-	Peak
350.4	24.33	-21.67	46	39.55	14.5	2.05	31.77	-	-	Peak
422.5	21.58	-24.42	46	34.37	16.8	2.25	31.84	-	-	Peak
784.4	23.62	-22.38	46	32.37	20.15	3.06	31.96	-	-	Peak

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
5321	95.11	-	-	83.1	34.62	10.68	33.29	100	273	Average
5321	105.56	-	-	93.55	34.62	10.68	33.29	100	273	Peak
10641	49.58	-24.42	74	56.54	37.38	10.69	55.03	100	0	Peak
15960	50.89	-23.11	74	51.94	40.17	11.66	52.88	100	0	Peak

Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	64	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5319MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

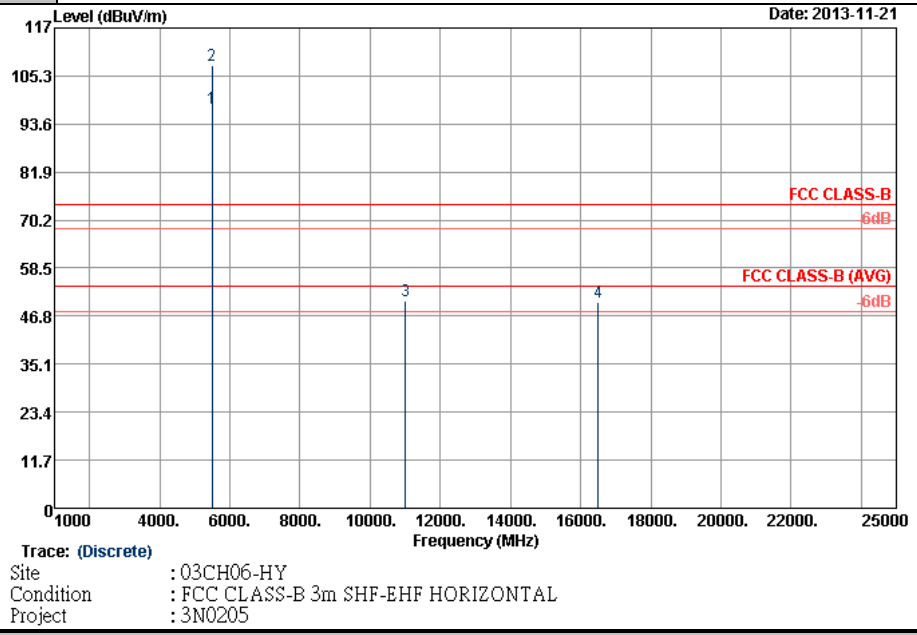


ANTENNA POLARITY : VERTICAL

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
30.54	31.43	-8.57	40	44.68	17.9	0.65	31.8	100	102	Peak
82.65	15.27	-24.73	40	38.65	7.38	1	31.76	-	-	Peak
178.5	24.35	-19.15	43.5	45.22	9.4	1.48	31.75	-	-	Peak
501.6	24.16	-21.84	46	35.79	17.81	2.49	31.93	-	-	Peak
672.4	23.2	-22.8	46	32.91	19.48	2.84	32.03	-	-	Peak
853	23.4	-22.6	46	31.09	20.8	3.24	31.73	-	-	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
5319	86.27	-	-	74.26	34.62	10.68	33.29	100	343	Average
5319	96.91	-	-	84.9	34.62	10.68	33.29	100	343	Peak
10641	49.85	-24.15	74	56.81	37.38	10.69	55.03	100	0	Peak
15960	50.9	-23.1	74	51.95	40.17	11.66	52.88	100	0	Peak

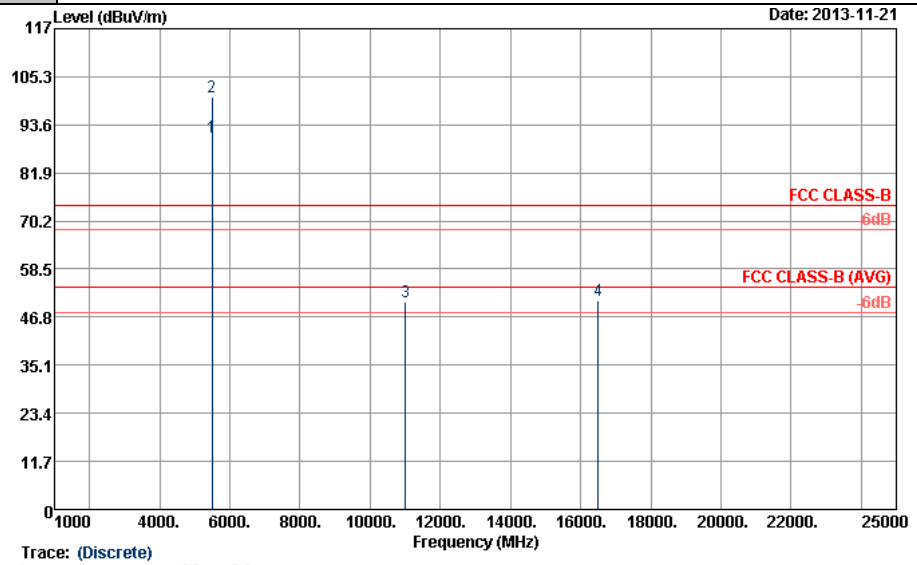
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	100	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5501 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5501	97.3	-	-	84.76	34.8	10.96	33.22	100	348	Average
5501	107.75	-	-	95.21	34.8	10.96	33.22	100	348	Peak
11001	50.53	-23.47	74	56.77	37.6	10.76	54.6	100	0	Peak
16500	50.23	-23.77	74	50.71	41	11.82	53.3	100	0	Peak

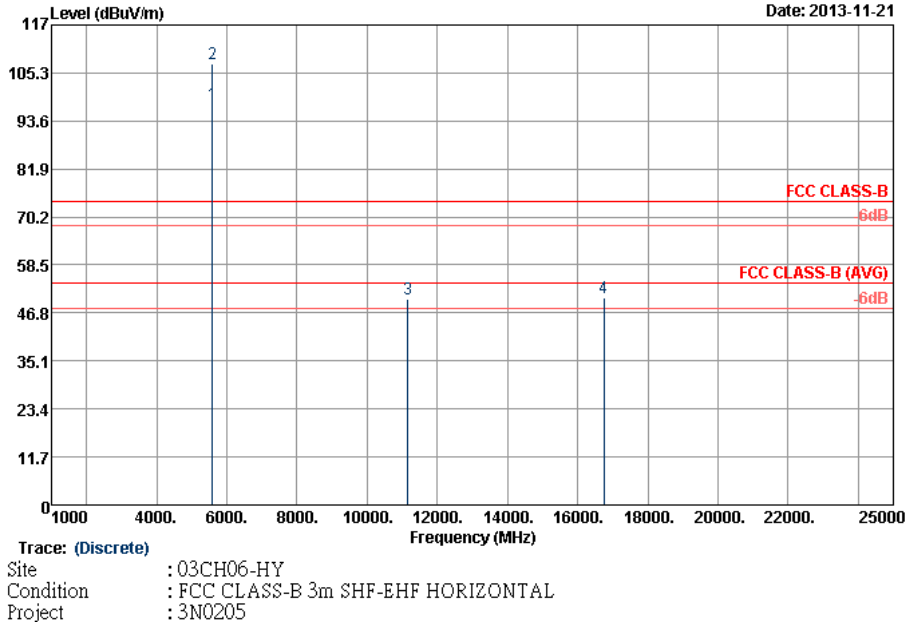
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	100	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5501 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5501	90.45	-	-	77.91	34.8	10.96	33.22	103	312	Average
5501	100.36	-	-	87.82	34.8	10.96	33.22	103	312	Peak
11001	50.67	-23.33	74	56.91	37.6	10.76	54.6	100	0	Peak
16500	50.93	-23.07	74	51.41	41	11.82	53.3	100	0	Peak

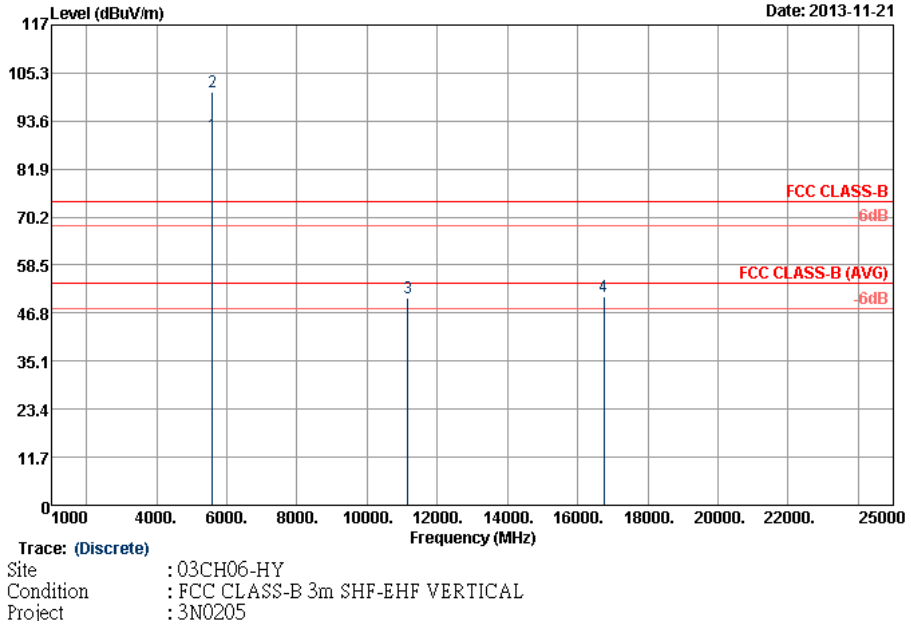
Test Mode :	802.11a	Temperature :	22~24°C
Test Channel :	116	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5579 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5579	97.62	-	-	84.91	34.87	11.09	33.25	100	334	Average
5579	107.7	-	-	94.99	34.87	11.09	33.25	100	334	Peak
11160	50.24	-23.76	74	56.06	37.67	10.84	54.33	100	0	Peak
16740	50.6	-23.4	74	50.56	41.24	11.91	53.11	100	0	Peak

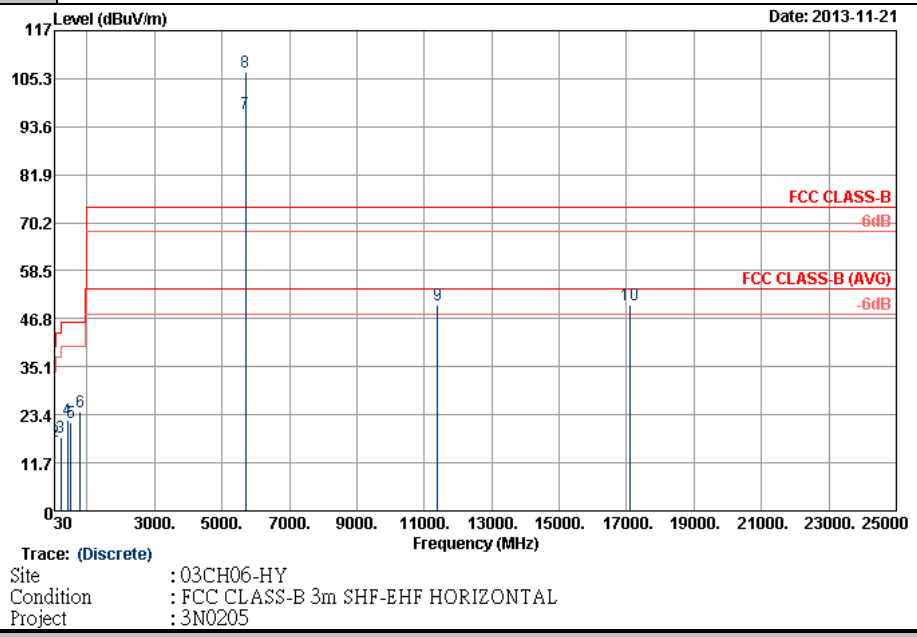
Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	116	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5579 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5579	90.22	-	-	77.51	34.87	11.09	33.25	100	315	Average
5579	100.56	-	-	87.85	34.87	11.09	33.25	100	315	Peak
11160	50.58	-23.42	74	56.4	37.67	10.84	54.33	100	0	Peak
16740	50.78	-23.22	74	50.74	41.24	11.91	53.11	100	0	Peak

Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	140	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5699 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

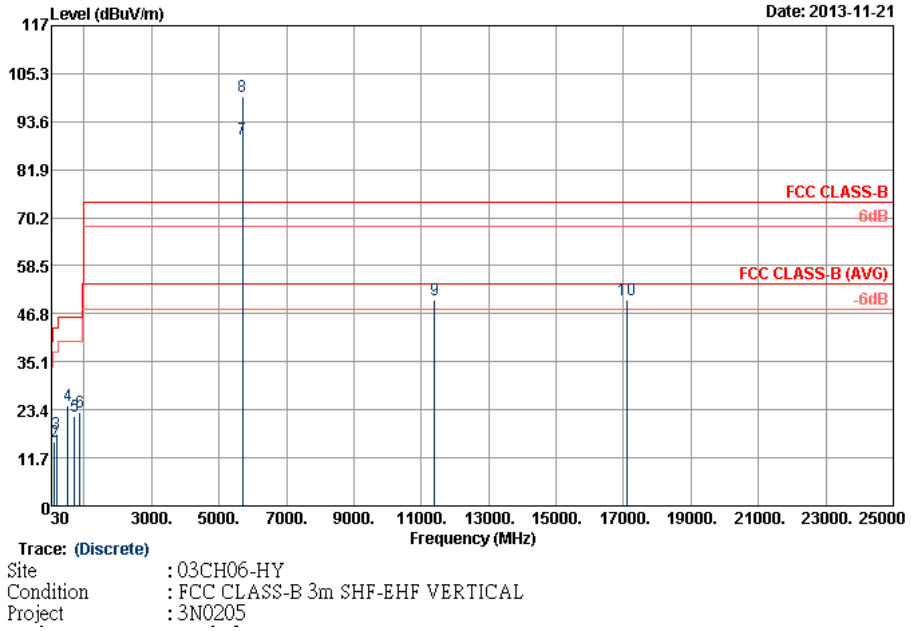


ANTENNA POLARITY : HORIZONTAL

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
31.35	19.55	-20.45	40	32.79	17.9	0.65	31.79	100	145	Peak
42.15	16.94	-23.06	40	37.06	10.92	0.75	31.79	-	-	Peak
221.7	17.91	-28.09	46	38.62	9.4	1.63	31.74	-	-	Peak
426	22.11	-23.89	46	34.91	16.8	2.25	31.85	-	-	Peak
522.6	21.45	-24.55	46	32.81	18.09	2.51	31.96	-	-	Peak
784.4	24.27	-21.73	46	33.02	20.15	3.06	31.96	-	-	Peak

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
5699	96.64	-	-	83.63	34.99	11.3	33.28	100	335	Average
5699	106.8	-	-	93.79	34.99	11.3	33.28	100	335	Peak
11400	50.32	-23.68	74	55.53	37.76	10.99	53.96	100	0	Peak
17100	50.35	-23.65	74	49.99	41.34	12.12	53.1	100	0	Peak

Test Mode :	802.11a	**Temperature :**	22~24°C
Test Channel :	140	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5701 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

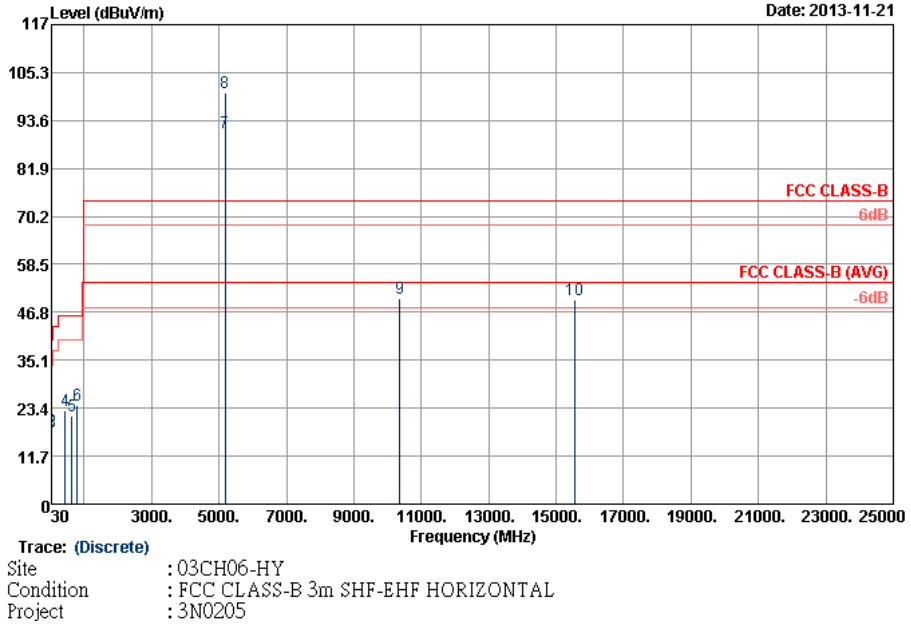


ANTENNA POLARITY : VERTICAL

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
30.54	31.5	-8.5	40	44.75	17.9	0.65	31.8	100	246	Peak
113.16	15.5	-28	43.5	34	12.07	1.18	31.75	-	-	Peak
181.2	17.48	-26.02	43.5	38.54	9.24	1.45	31.75	-	-	Peak
522.6	24.57	-21.43	46	35.93	18.09	2.51	31.96	-	-	Peak
720	21.9	-24.1	46	31.16	19.8	2.95	32.01	-	-	Peak
870.5	22.72	-23.28	46	30.19	20.9	3.29	31.66	-	-	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
5701	89.17	-	-	76.14	35.01	11.3	33.28	100	314	Average
5701	99.66	-	-	86.63	35.01	11.3	33.28	100	314	Peak
11400	50.09	-23.91	74	55.3	37.76	10.99	53.96	100	0	Peak
17100	50.27	-23.73	74	49.91	41.34	12.12	53.1	100	0	Peak

Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	36	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5179 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

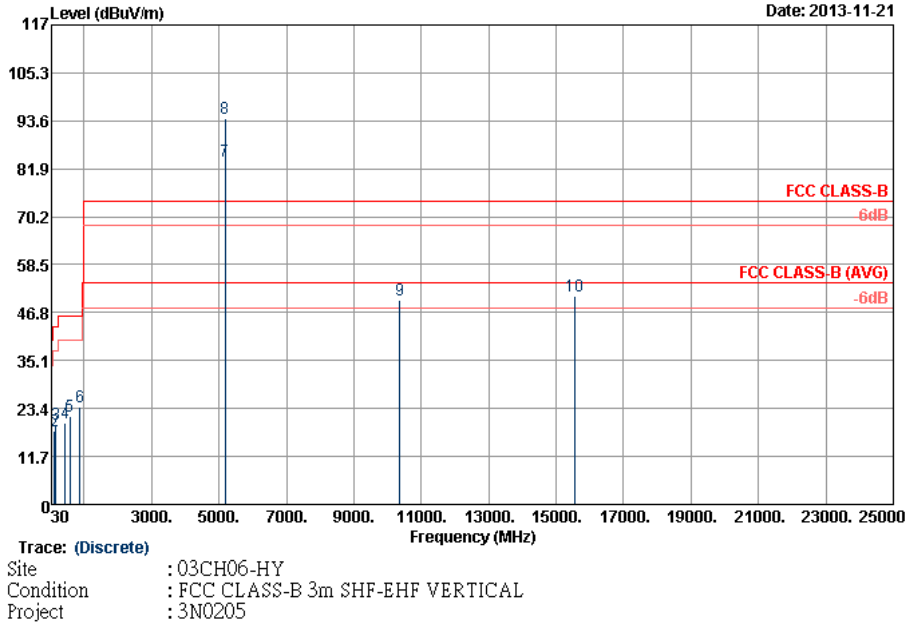


ANTENNA POLARITY : HORIZONTAL

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
31.35	19.17	-20.83	40	32.41	17.9	0.65	31.79	100	231	Peak
35.4	17.81	-22.19	40	33.92	14.98	0.7	31.79	-	-	Peak
42.96	17.69	-22.31	40	37.81	10.92	0.75	31.79	-	-	Peak
434.4	22.73	-23.27	46	35.51	16.8	2.28	31.86	-	-	Peak
630.4	21.57	-24.43	46	31.03	19.8	2.79	32.05	-	-	Peak
784.4	24.2	-21.8	46	32.95	20.15	3.06	31.96	-	-	Peak

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
5179	90.69	-	-	79.08	34.48	10.47	33.34	105	290	Average
5179	100.49	-	-	88.88	34.48	10.47	33.34	105	290	Peak
10359	50.05	-23.95	74	57.6	37.17	10.64	55.36	100	0	Peak
15540	50.02	-23.98	74	52.32	39.73	11.79	53.82	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	36	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5181 MHz is fundamental signal which can be ignored. 2. 10359 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

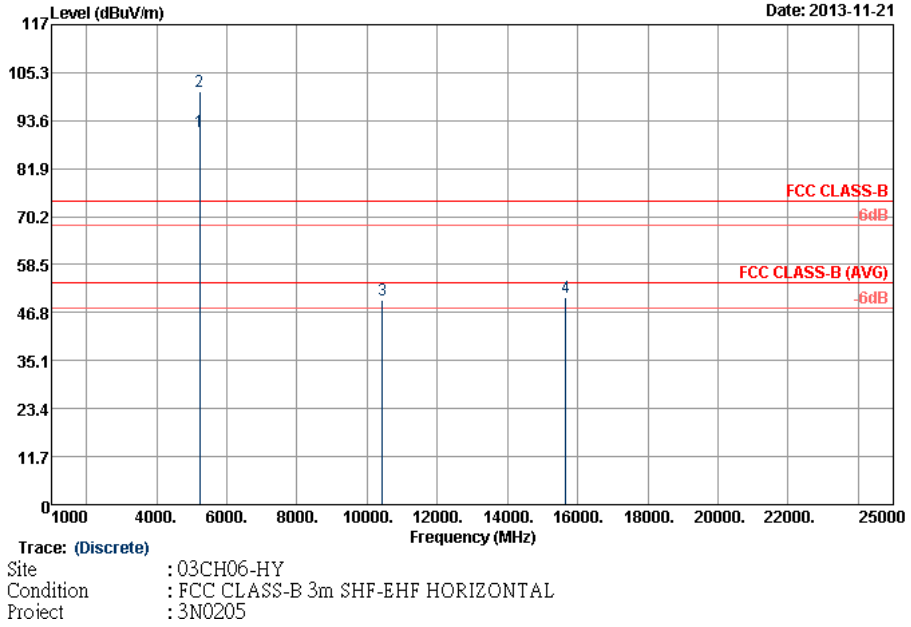


ANTENNA POLARITY : VERTICAL

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
31.35	30.52	-9.48	40	43.76	17.9	0.65	31.79	100	56	Peak
115.86	17.78	-25.72	43.5	36.3	12.04	1.19	31.75	-	-	Peak
166.35	19.6	-23.9	43.5	39.91	9.86	1.58	31.75	-	-	Peak
427.4	19.93	-26.07	46	32.72	16.8	2.26	31.85	-	-	Peak
578.6	21.47	-24.53	46	31.44	19.39	2.67	32.03	-	-	Peak
881	23.8	-22.2	46	31.19	20.9	3.32	31.61	-	-	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
5181	83.84	-	-	72.23	34.48	10.47	33.34	102	90	Average
5181	94.2	-	-	82.59	34.48	10.47	33.34	102	90	Peak
10359	49.74	-24.26	74	57.29	37.17	10.64	55.36	100	0	Peak
15540	50.8	-23.2	74	53.1	39.73	11.79	53.82	100	0	Peak

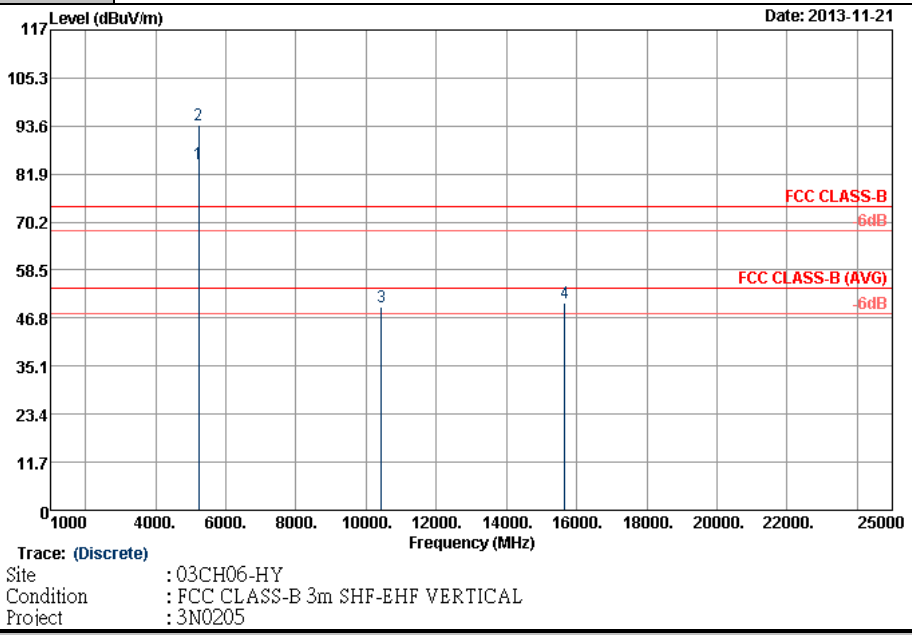
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	44	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5221 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5221	91.05	-	-	79.31	34.52	10.54	33.32	104	293	Average
5221	100.84	-	-	89.1	34.52	10.54	33.32	104	293	Peak
10440	49.78	-24.22	74	57.18	37.23	10.65	55.28	100	0	Peak
15660	50.4	-23.6	74	52.35	39.86	11.75	53.56	100	0	Peak

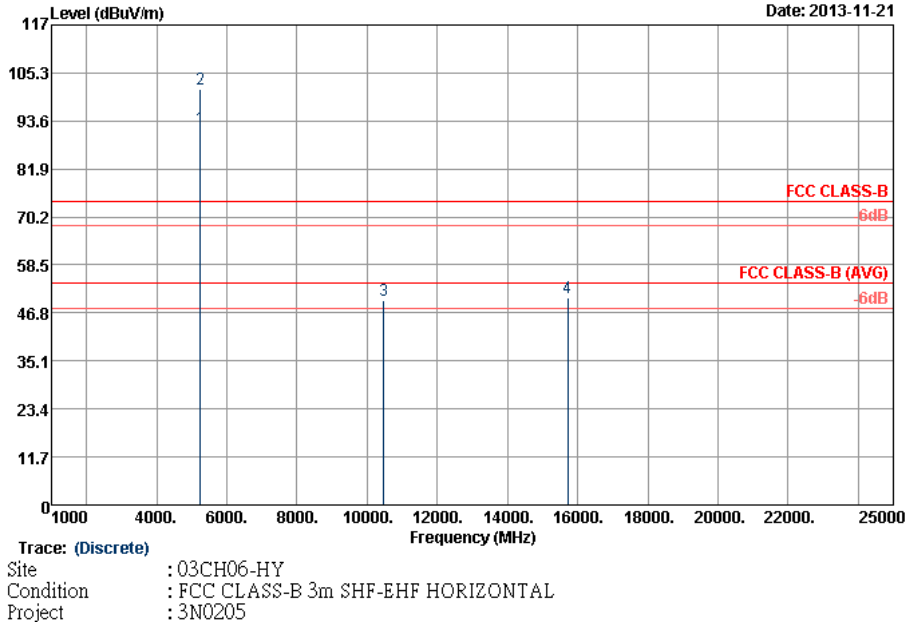
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	44	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5221 MHz is fundamental signal which can be ignored. 2. 10440 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5221	84.57	-	-	72.83	34.52	10.54	33.32	101	91	Average
5221	93.89	-	-	82.15	34.52	10.54	33.32	101	91	Peak
10440	49.58	-24.42	74	56.98	37.23	10.65	55.28	100	0	Peak
15660	50.39	-23.61	74	52.34	39.86	11.75	53.56	100	0	Peak

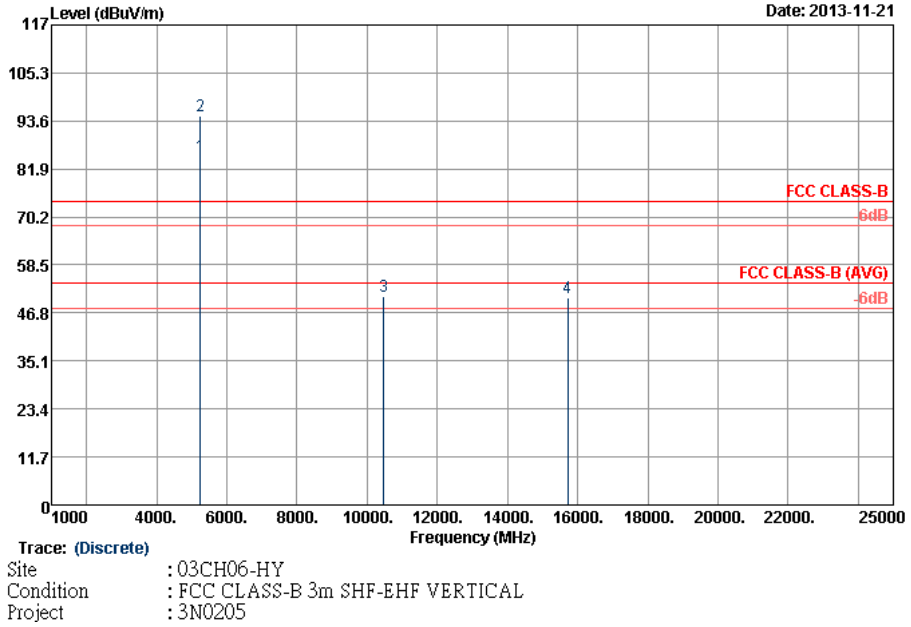
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	48	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5239 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5239	91.98	-	-	80.19	34.53	10.58	33.32	117	292	Average
5239	101.47	-	-	89.68	34.53	10.58	33.32	117	292	Peak
10479	49.77	-24.23	74	57.05	37.28	10.66	55.22	100	0	Peak
15720	50.39	-23.61	74	52.14	39.92	11.74	53.41	100	0	Peak

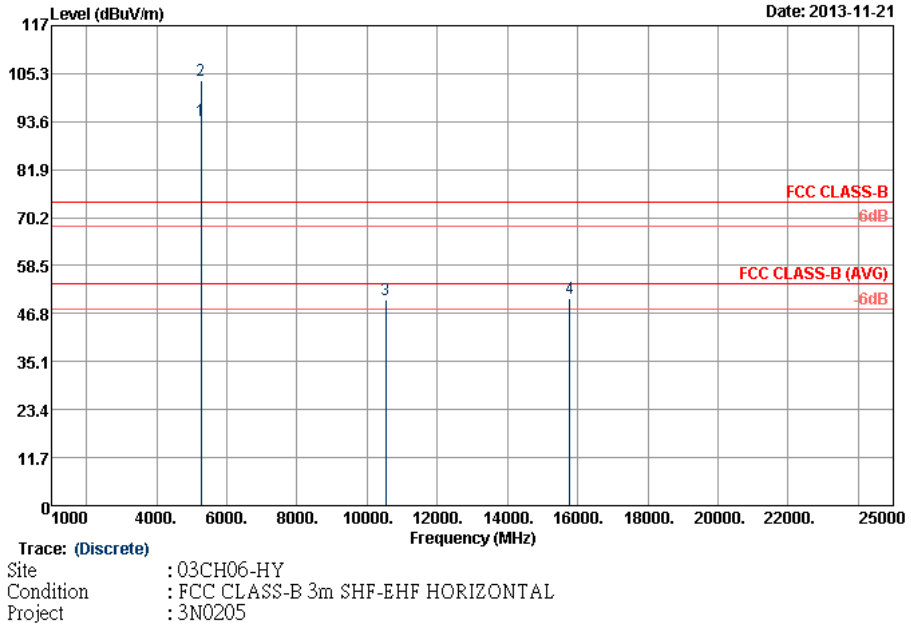
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	48	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5239 MHz is fundamental signal which can be ignored. 2. 10479 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5239	85.21	-	-	73.42	34.53	10.58	33.32	100	90	Average
5239	94.76	-	-	82.97	34.53	10.58	33.32	100	90	Peak
10479	50.7	-23.3	74	57.98	37.28	10.66	55.22	100	0	Peak
15720	50.43	-23.57	74	52.18	39.92	11.74	53.41	100	0	Peak

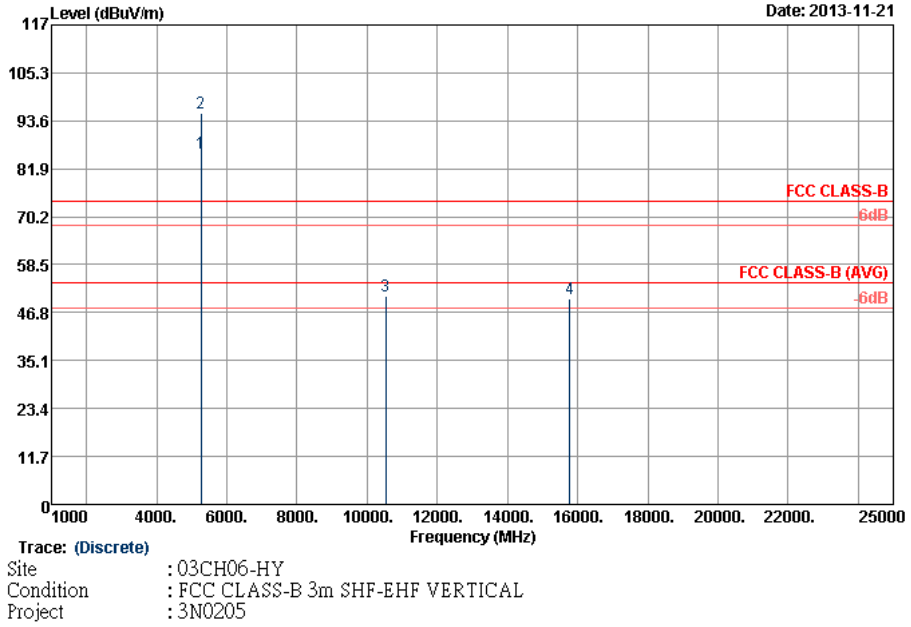
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	52	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5261 MHz is fundamental signal which can be ignored. 2. 10520 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5261	93.97	-	-	82.1	34.57	10.61	33.31	103	273	Average
5261	103.75	-	-	91.88	34.57	10.61	33.31	103	273	Peak
10520	50.33	-23.67	74	57.53	37.31	10.67	55.18	100	0	Peak
15780	50.55	-23.45	74	52.14	39.98	11.72	53.29	100	0	Peak

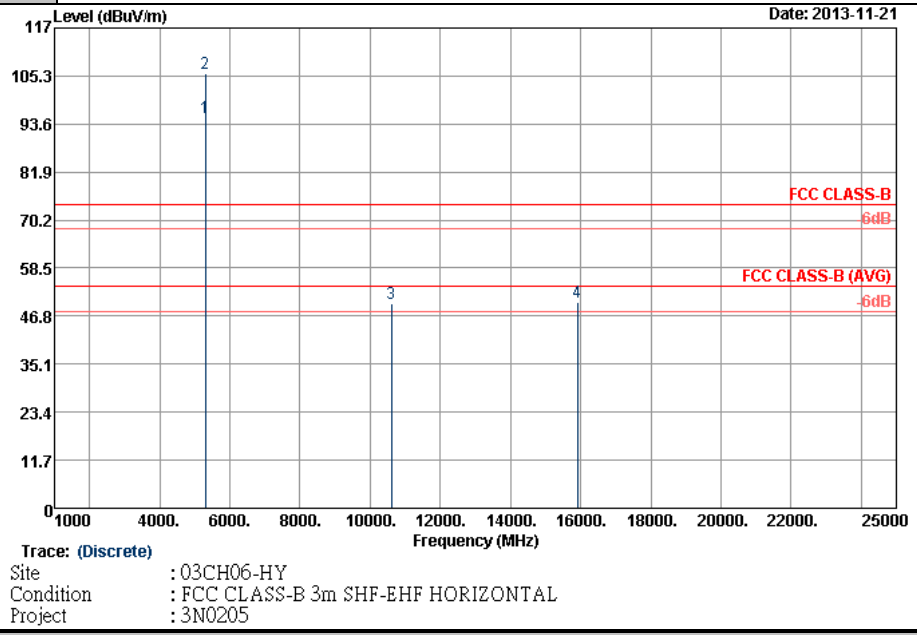
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	52	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5259 MHz is fundamental signal which can be ignored. 2. 10521 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5259	85.81	-	-	73.97	34.57	10.58	33.31	100	90	Average
5259	95.34	-	-	83.5	34.57	10.58	33.31	100	90	Peak
10521	50.93	-23.07	74	58.13	37.31	10.67	55.18	100	0	Peak
15780	50.28	-23.72	74	51.87	39.98	11.72	53.29	100	0	Peak

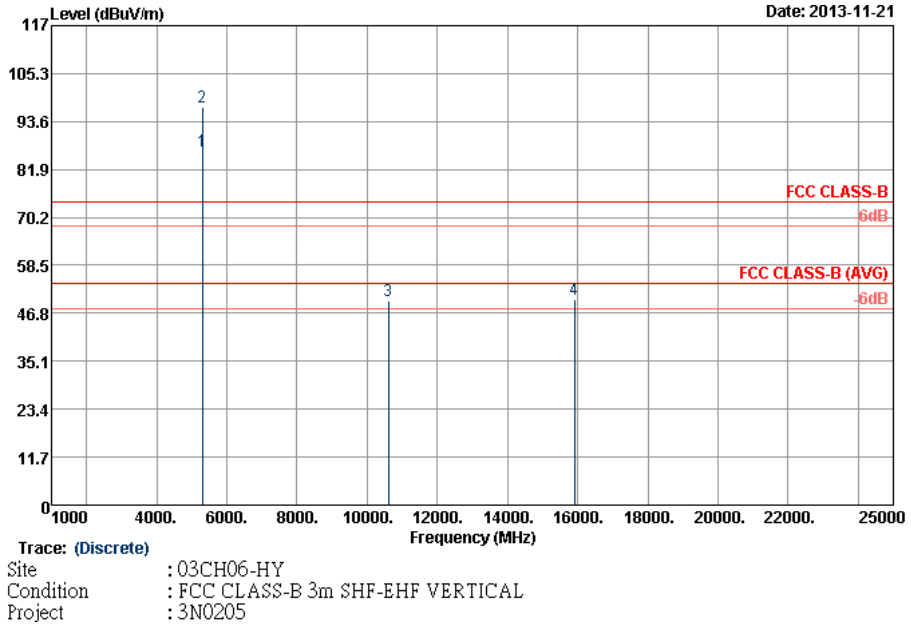
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	60	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5309 MHz is fundamental signal which can be ignored. 2. 10599 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5309	95.25	-	-	83.26	34.6	10.68	33.29	102	270	Average
5309	105.88	-	-	93.89	34.6	10.68	33.29	102	270	Peak
10599	50	-24	74	57.04	37.36	10.68	55.08	100	0	Peak
15900	50.23	-23.77	74	51.48	40.1	11.68	53.03	100	0	Peak

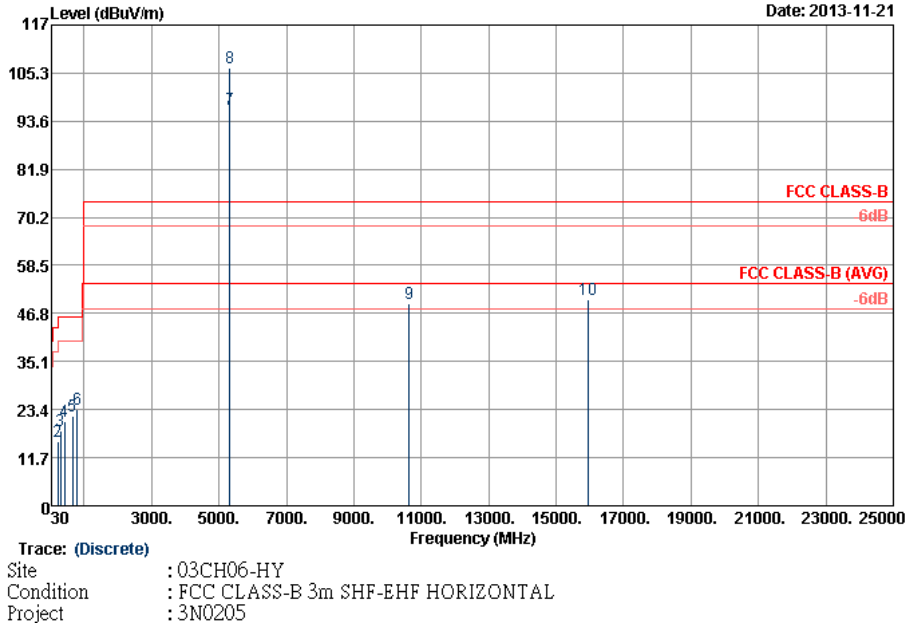
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	60	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5301 MHz is fundamental signal which can be ignored. 2. 10599 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5301	86.38	-	-	74.42	34.6	10.65	33.29	100	109	Average
5301	97.23	-	-	85.27	34.6	10.65	33.29	100	109	Peak
10599	49.96	-24.04	74	57	37.36	10.68	55.08	100	0	Peak
15900	50.12	-23.88	74	51.37	40.1	11.68	53.03	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	64	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5319MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

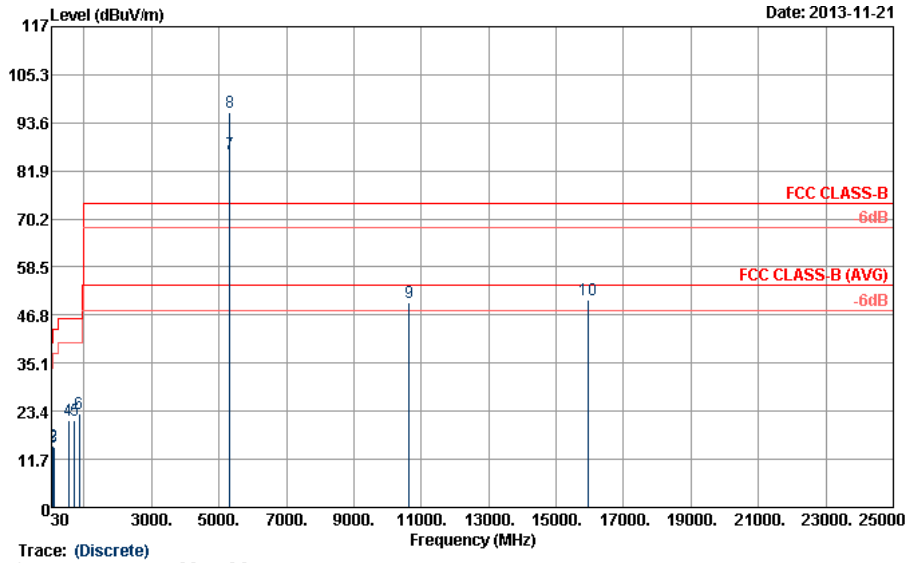


ANTENNA POLARITY : HORIZONTAL

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
42.96	19.81	-20.19	40	39.93	10.92	0.75	31.79	100	164	Peak
222.24	15.7	-30.3	46	36.41	9.4	1.63	31.74	-	-	Peak
288.66	18.26	-27.74	46	35.14	12.98	1.86	31.72	-	-	Peak
422.5	20.64	-25.36	46	33.43	16.8	2.25	31.84	-	-	Peak
651.4	21.91	-24.09	46	31.67	19.48	2.8	32.04	-	-	Peak
784.4	23.51	-22.49	46	32.26	20.15	3.06	31.96	-	-	Peak

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
5319	96.53	-	-	84.52	34.62	10.68	33.29	102	273	Average
5319	106.58	-	-	94.57	34.62	10.68	33.29	102	273	Peak
10641	49.37	-24.63	74	56.33	37.38	10.69	55.03	100	0	Peak
15960	50.13	-23.87	74	51.18	40.17	11.66	52.88	100	0	Peak

Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	64	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5321MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

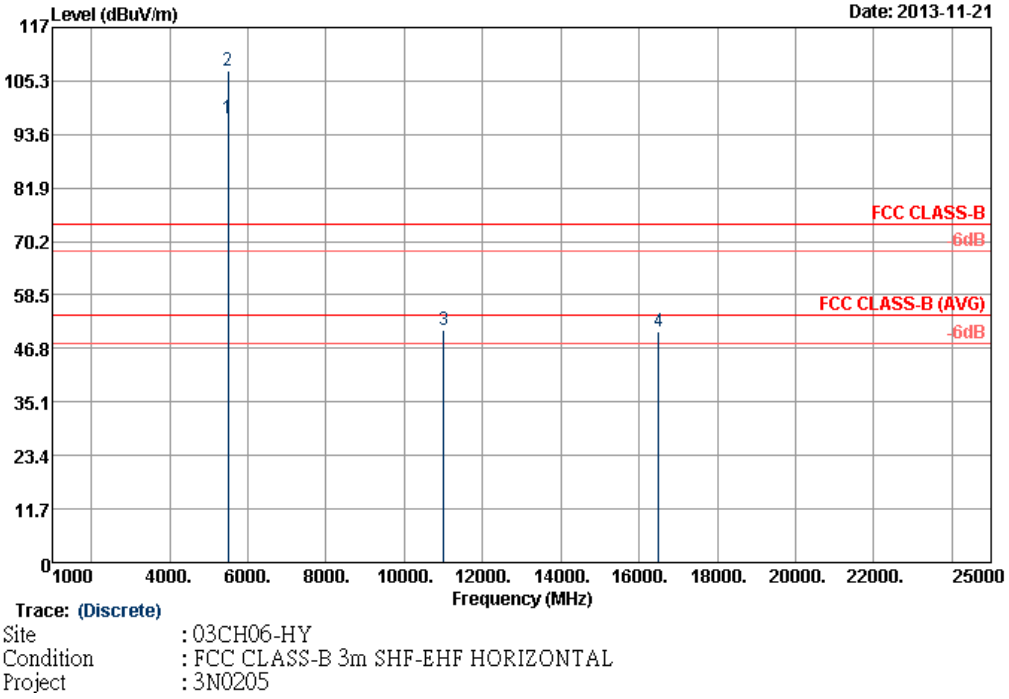


ANTENNA POLARITY : VERTICAL

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
31.35	30.44	-9.56	40	43.68	17.9	0.65	31.79	100	55	Peak
81.3	14.91	-25.09	40	38.43	7.24	1	31.76	-	-	Peak
106.14	14.7	-28.8	43.5	33.6	11.72	1.13	31.75	-	-	Peak
527.5	21.07	-24.93	46	32.28	18.24	2.52	31.97	-	-	Peak
706	21.07	-24.93	46	30.72	19.46	2.91	32.02	-	-	Peak
847.4	22.85	-23.15	46	30.6	20.78	3.22	31.75	-	-	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
5321	85.91	-	-	73.9	34.62	10.68	33.29	100	91	Average
5321	96.15	-	-	84.14	34.62	10.68	33.29	100	91	Peak
10641	49.92	-24.08	74	56.88	37.38	10.69	55.03	100	0	Peak
15960	50.64	-23.36	74	51.69	40.17	11.66	52.88	100	0	Peak

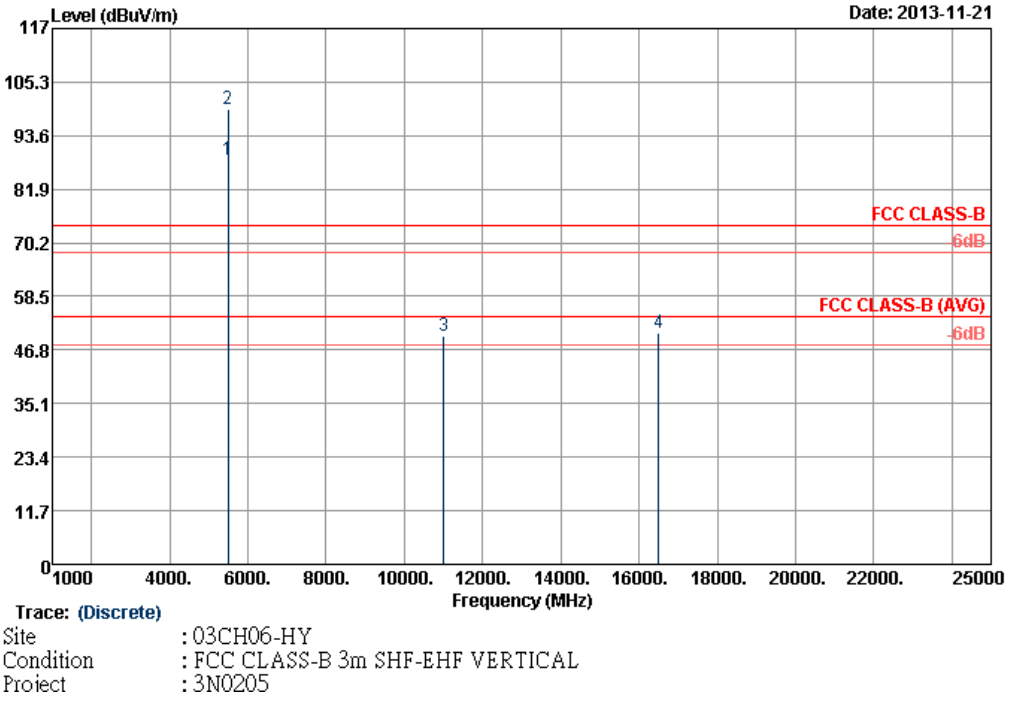
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	100	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5499 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5499	96.98	-	-	84.46	34.8	10.93	33.21	100	346	Average
5499	107.45	-	-	94.93	34.8	10.93	33.21	100	346	Peak
11001	50.84	-23.16	74	57.08	37.6	10.76	54.6	100	0	Peak
16500	50.52	-23.48	74	51	41	11.82	53.3	100	0	Peak

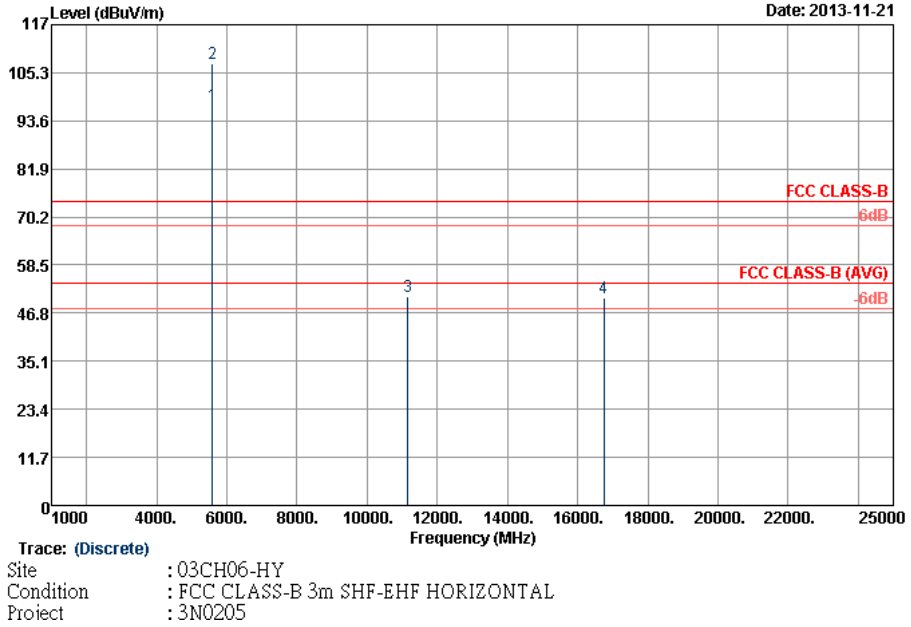
Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	100	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5501 MHz is fundamental signal which can be ignored. 2. 16500 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5501	88.4	-	-	75.86	34.8	10.96	33.22	100	322	Average
5501	99.5	-	-	86.96	34.8	10.96	33.22	100	322	Peak
11001	49.89	-24.11	74	56.13	37.6	10.76	54.6	100	0	Peak
16500	50.62	-23.38	74	51.1	41	11.82	53.3	100	0	Peak

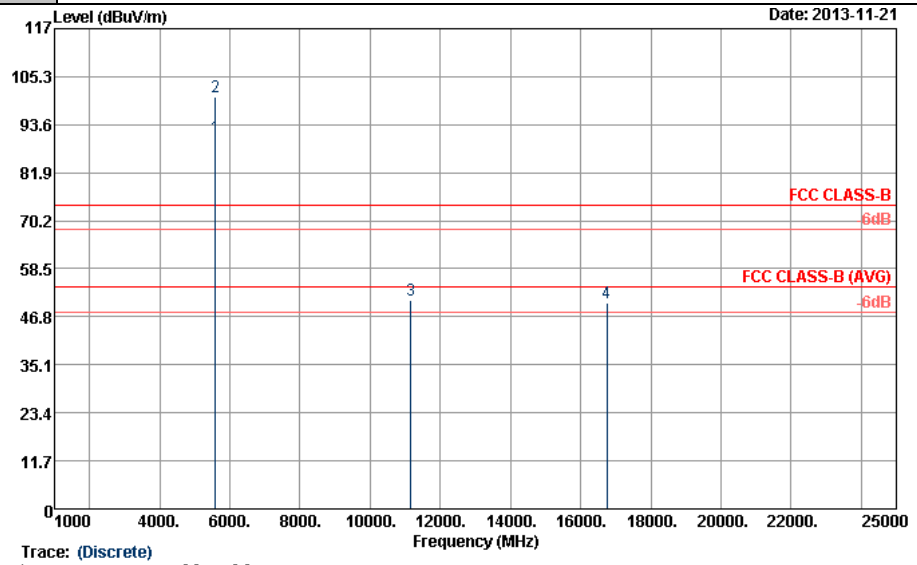
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	116	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5581 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5581	97.31	-	-	84.6	34.87	11.09	33.25	100	340	Average
5581	107.54	-	-	94.83	34.87	11.09	33.25	100	340	Peak
11160	50.75	-23.25	74	56.57	37.67	10.84	54.33	100	0	Peak
16740	50.5	-23.5	74	50.46	41.24	11.91	53.11	100	0	Peak

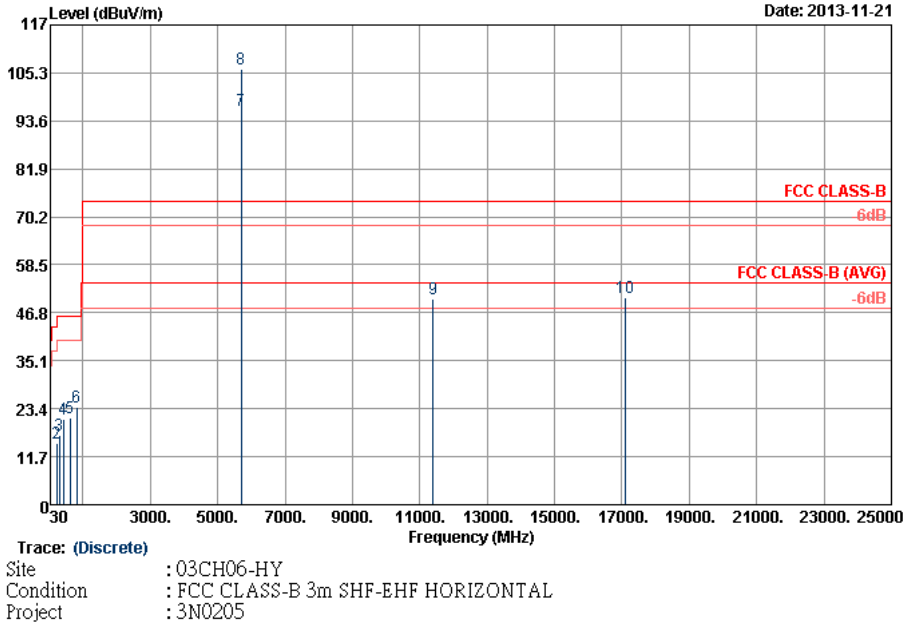
Test Mode :	802.11n HT20	Temperature :	22~24°C
Test Channel :	116	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5581 MHz is fundamental signal which can be ignored. 2. 16740 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5581	90.62	-	-	77.91	34.87	11.09	33.25	100	315	Average
5581	100.27	-	-	87.56	34.87	11.09	33.25	100	315	Peak
11160	50.9	-23.1	74	56.72	37.67	10.84	54.33	100	0	Peak
16740	50.32	-23.68	74	50.28	41.24	11.91	53.11	100	0	Peak

Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	140	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5699 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

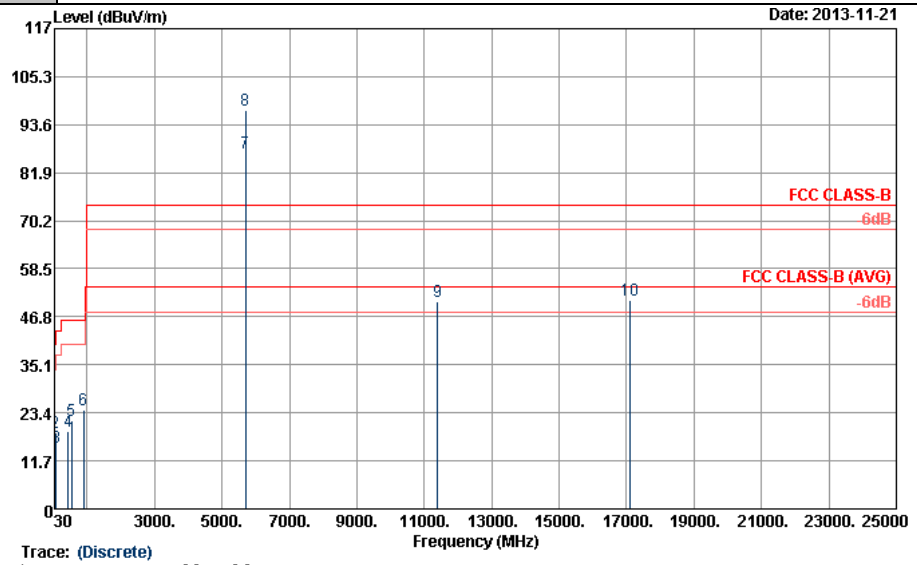


ANTENNA POLARITY : HORIZONTAL

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
32.16	19.25	-20.75	40	33.08	17.3	0.66	31.79	100	243	Peak
221.16	14.98	-31.02	46	35.79	9.3	1.63	31.74	-	-	Peak
288.66	17.06	-28.94	46	33.94	12.98	1.86	31.72	-	-	Peak
426	20.93	-25.07	46	33.73	16.8	2.25	31.85	-	-	Peak
609.4	21.17	-24.83	46	30.96	19.49	2.78	32.06	-	-	Peak
819.4	23.8	-22.2	46	32.14	20.4	3.13	31.87	-	-	Peak

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
5699	96.02	-	-	83.01	34.99	11.3	33.28	108	335	Average
5699	106.31	-	-	93.3	34.99	11.3	33.28	108	335	Peak
11400	50.23	-23.77	74	55.44	37.76	10.99	53.96	100	0	Peak
17100	50.38	-23.62	74	50.02	41.34	12.12	53.1	100	0	Peak

Test Mode :	802.11n HT20	**Temperature :**	22~24°C
Test Channel :	140	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5699 MHz is fundamental signal which can be ignored. 2. 17100 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

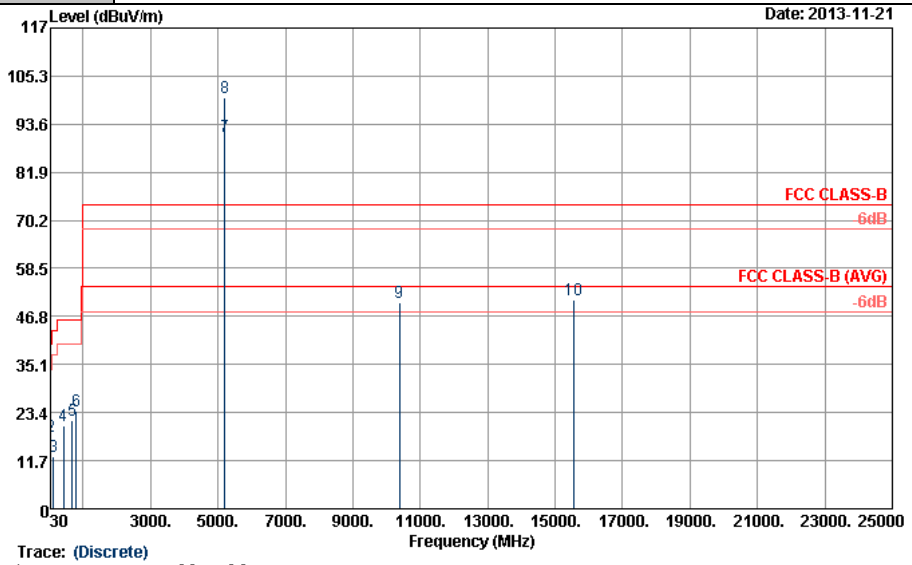


ANTENNA POLARITY : VERTICAL

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
30.54	29.98	-10.02	40	43.23	17.9	0.65	31.8	100	52	Peak
51.6	18.51	-21.49	40	41.5	7.98	0.81	31.78	-	-	Peak
82.65	14.88	-25.12	40	38.26	7.38	1	31.76	-	-	Peak
433	18.8	-27.2	46	31.59	16.8	2.27	31.86	-	-	Peak
534.5	21.58	-24.42	46	32.37	18.66	2.52	31.97	-	-	Peak
898.5	24.02	-21.98	46	31.14	21.06	3.36	31.54	-	-	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
5699	86.71	-	-	73.7	34.99	11.3	33.28	100	259	Average
5699	97.2	-	-	84.19	34.99	11.3	33.28	100	259	Peak
11400	50.52	-23.48	74	55.73	37.76	10.99	53.96	100	0	Peak
17100	50.79	-23.21	74	50.43	41.34	12.12	53.1	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	38	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5192 MHz is fundamental signal which can be ignored. 2. 10380 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

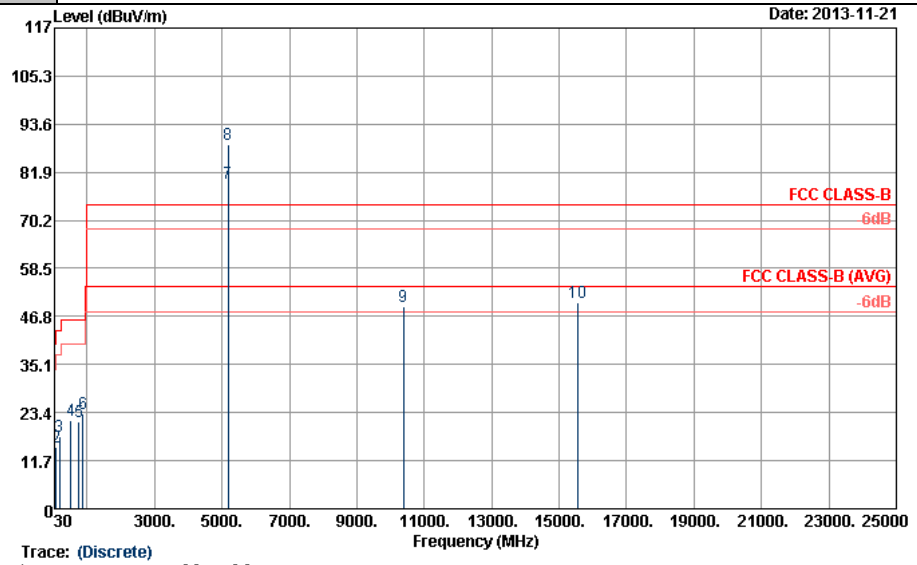


ANTENNA POLARITY : HORIZONTAL

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
31.35	20.15	-19.85	40	33.39	17.9	0.65	31.79	100	326	Peak
42.96	17.63	-22.37	40	37.75	10.92	0.75	31.79	-	-	Peak
121.8	12.73	-30.77	43.5	31.13	12.12	1.23	31.75	-	-	Peak
426	20.06	-25.94	46	32.86	16.8	2.25	31.85	-	-	Peak
676.6	21.44	-24.56	46	31.19	19.43	2.85	32.03	-	-	Peak
784.4	23.77	-22.23	46	32.52	20.15	3.06	31.96	-	-	Peak

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
5192	90.56	-	-	78.95	34.48	10.47	33.34	104	284	Average
5192	99.99	-	-	88.38	34.48	10.47	33.34	104	284	Peak
10380	50.35	-23.65	74	57.87	37.18	10.64	55.34	100	0	Peak
15570	50.9	-23.1	74	53.1	39.77	11.78	53.75	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	38	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5188 MHz is fundamental signal which can be ignored. 2. 10380 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

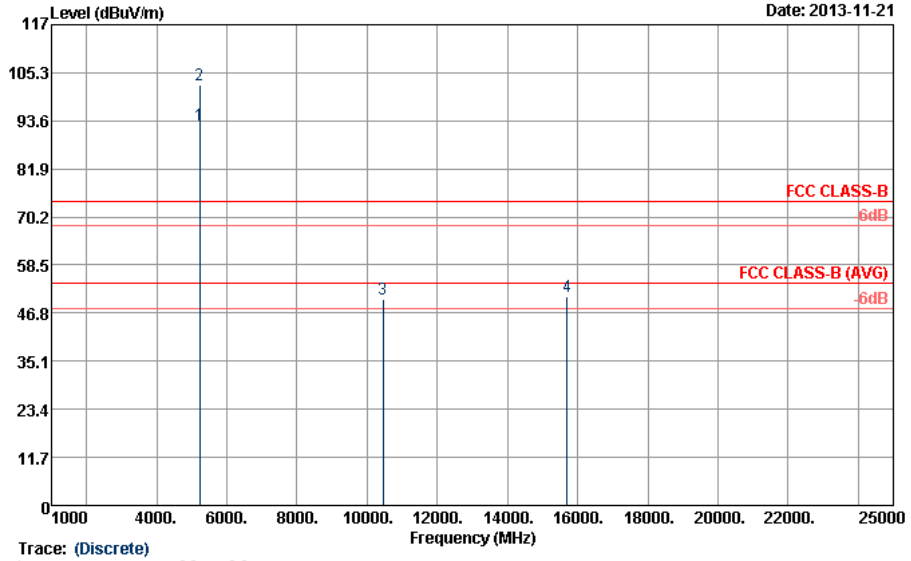


ANTENNA POLARITY : VERTICAL

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
31.35	30.29	-9.71	40	43.53	17.9	0.65	31.79	100	29	Peak
82.65	15.02	-24.98	40	38.4	7.38	1	31.76	-	-	Peak
177.96	17.62	-25.88	43.5	38.49	9.4	1.48	31.75	-	-	Peak
522.6	21.49	-24.51	46	32.85	18.09	2.51	31.96	-	-	Peak
756.4	21.22	-24.78	46	29.95	20.2	3.05	31.98	-	-	Peak
868.4	23.06	-22.94	46	30.56	20.88	3.28	31.66	-	-	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
5188	79.33	-	-	67.72	34.48	10.47	33.34	100	286	Average
5188	88.73	-	-	77.12	34.48	10.47	33.34	100	286	Peak
10380	49.31	-24.69	74	56.83	37.18	10.64	55.34	100	0	Peak
15570	50.25	-23.75	74	52.45	39.77	11.78	53.75	100	0	Peak

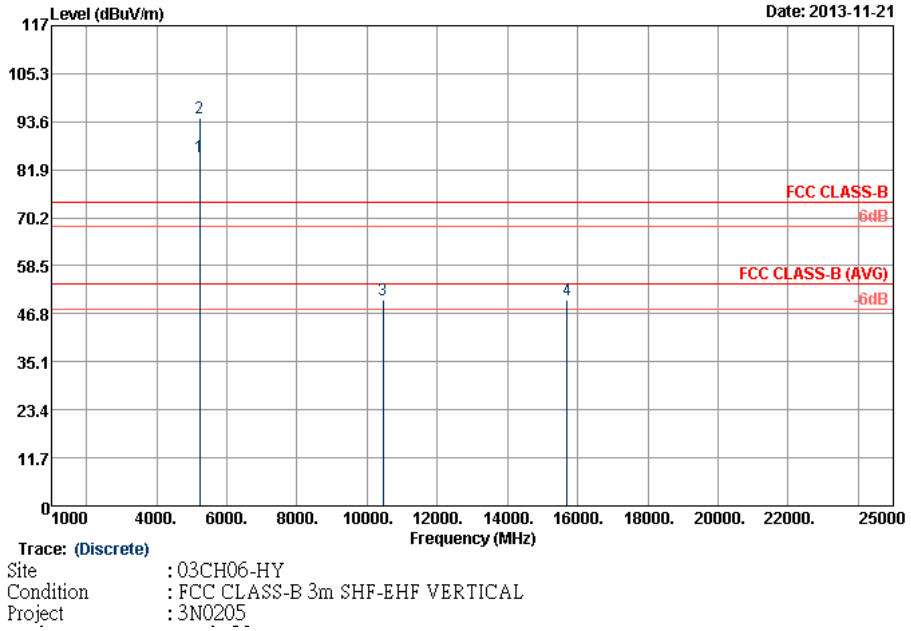
Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Channel :	46	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5228 MHz is fundamental signal which can be ignored. 2. 10461 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5228	92.59	-	-	80.84	34.53	10.54	33.32	104	286	Average
5228	102.3	-	-	90.55	34.53	10.54	33.32	104	286	Peak
10461	50.25	-23.75	74	57.56	37.27	10.66	55.24	100	0	Peak
15690	50.98	-23.02	74	52.82	39.89	11.75	53.48	100	0	Peak

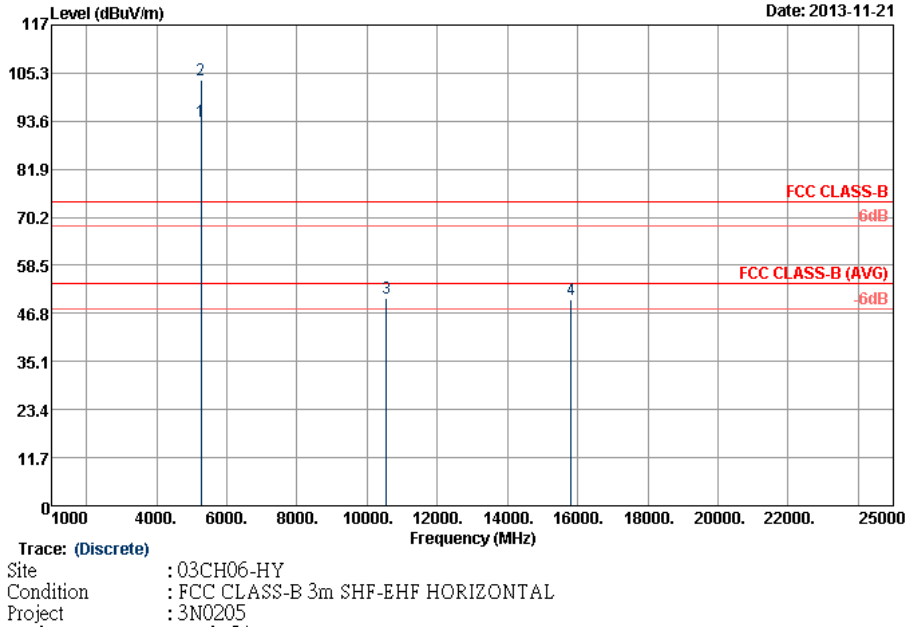
Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	46	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5232 MHz is fundamental signal which can be ignored. 2. 10461 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5232	84.93	-	-	73.14	34.53	10.58	33.32	101	71	Average
5232	94.41	-	-	82.62	34.53	10.58	33.32	101	71	Peak
10461	50.35	-23.65	74	57.66	37.27	10.66	55.24	100	0	Peak
15690	50.32	-23.68	74	52.16	39.89	11.75	53.48	100	0	Peak

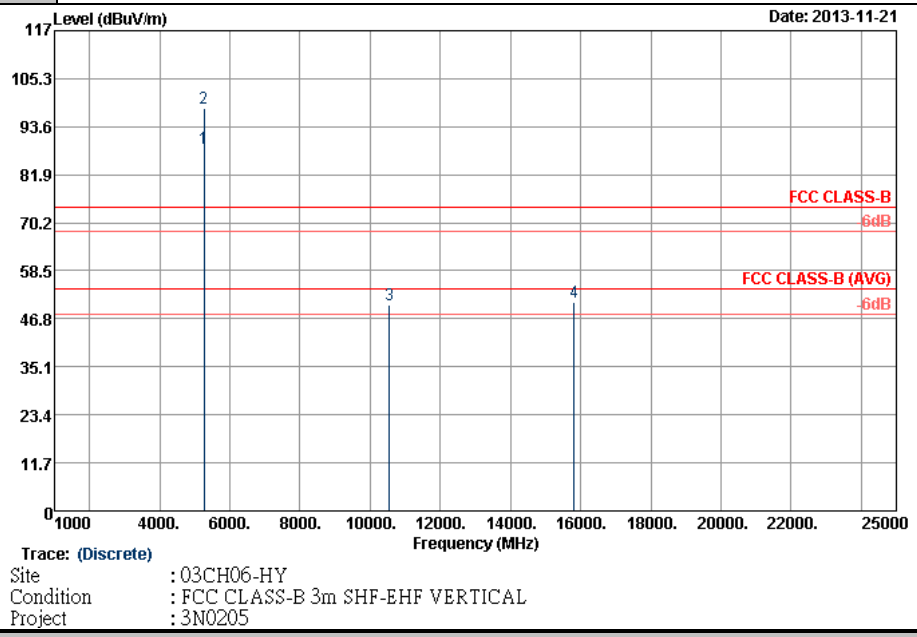
Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	54	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5272 MHz is fundamental signal which can be ignored. 2. 10539 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5272	93.65	-	-	81.77	34.57	10.61	33.3	102	282	Average
5272	103.55	-	-	91.67	34.57	10.61	33.3	102	282	Peak
10539	50.56	-23.44	74	57.73	37.32	10.67	55.16	100	0	Peak
15810	50.14	-23.86	74	51.64	40.01	11.71	53.22	100	0	Peak

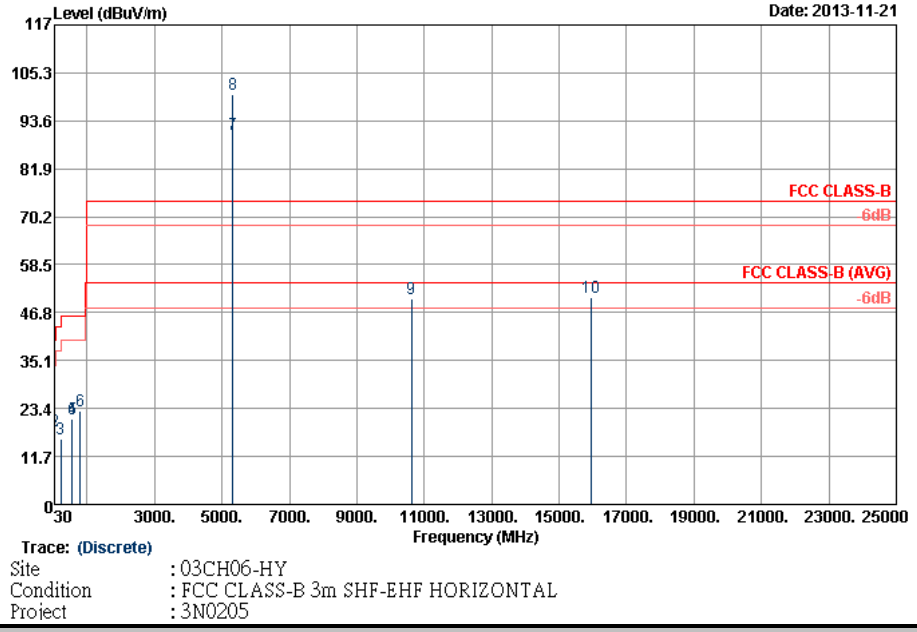
Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	54	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5271 MHz is fundamental signal which can be ignored. 2. 10539 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5271	88.2	-	-	76.33	34.57	10.61	33.31	100	321	Average
5271	97.97	-	-	86.1	34.57	10.61	33.31	100	321	Peak
10539	50.26	-23.74	74	57.43	37.32	10.67	55.16	100	0	Peak
15810	50.98	-23.02	74	52.48	40.01	11.71	53.22	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Channel :	62	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5312MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

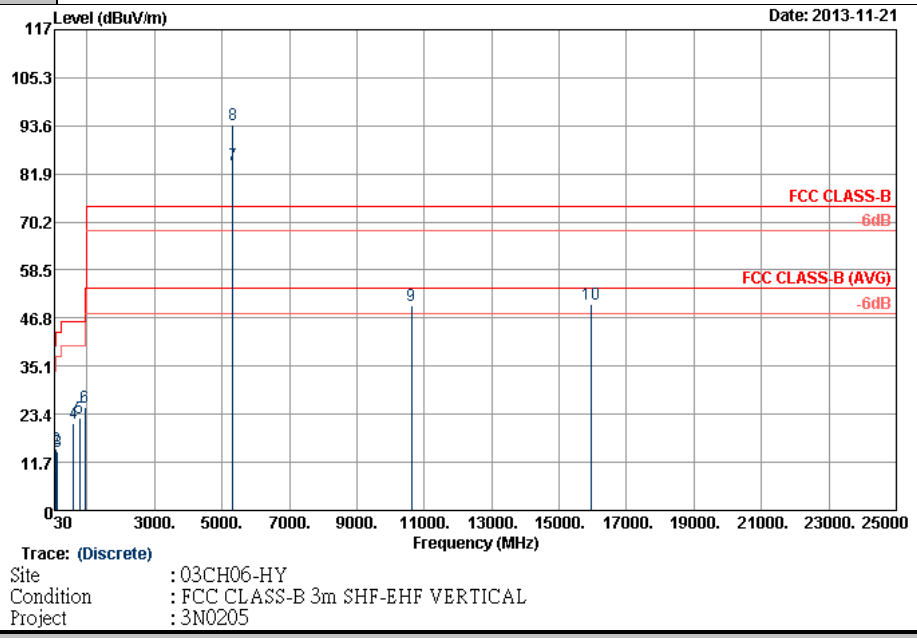


ANTENNA POLARITY : HORIZONTAL

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
35.4	19.04	-20.96	40	35.15	14.98	0.7	31.79	100	195	Peak
42.96	17.96	-22.04	40	38.08	10.92	0.75	31.79	-	-	Peak
217.65	15.87	-30.13	46	36.83	9.17	1.61	31.74	-	-	Peak
560.4	20.82	-25.18	46	30.94	19.3	2.59	32.01	-	-	Peak
560.4	20.82	-25.18	46	30.94	19.3	2.59	32.01	-	-	Peak
784.4	22.89	-23.11	46	31.64	20.15	3.06	31.96	-	-	Peak

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
5312	90.31	-	-	78.3	34.62	10.68	33.29	102	282	Average
5312	99.95	-	-	87.94	34.62	10.68	33.29	102	282	Peak
10620	50.21	-23.79	74	57.21	37.37	10.69	55.06	100	0	Peak
15930	50.44	-23.56	74	51.59	40.13	11.67	52.95	100	0	Peak

Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Channel :	62	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5312MHz is fundamental signal which can be ignored. 2. Average measurement was not performed if peak level went lower than the average limit. 3. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

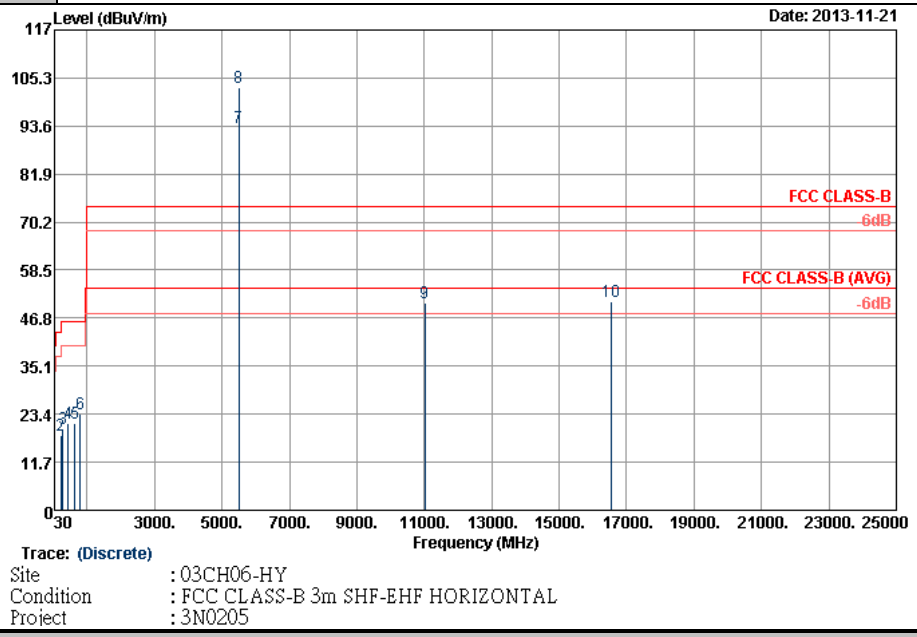


ANTENNA POLARITY : VERTICAL

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
31.35	30.18	-9.82	40	43.42	17.9	0.65	31.79	100	78	Peak
81.84	14.92	-25.08	40	38.44	7.24	1	31.76	-	-	Peak
113.7	14.36	-29.14	43.5	32.86	12.07	1.18	31.75	-	-	Peak
588.4	21.03	-24.97	46	31.04	19.31	2.72	32.04	-	-	Peak
767.6	22.6	-23.4	46	31.39	20.13	3.05	31.97	-	-	Peak
938.4	24.97	-21.03	46	31.52	21.28	3.35	31.18	-	-	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
5312	83.97	-	-	71.96	34.62	10.68	33.29	100	321	Average
5312	93.76	-	-	81.75	34.62	10.68	33.29	100	321	Peak
10620	49.79	-24.21	74	56.79	37.37	10.69	55.06	100	0	Peak
15930	50.31	-23.69	74	51.46	40.13	11.67	52.95	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	102	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5508 MHz is fundamental signal which can be ignored. 2. 16530 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

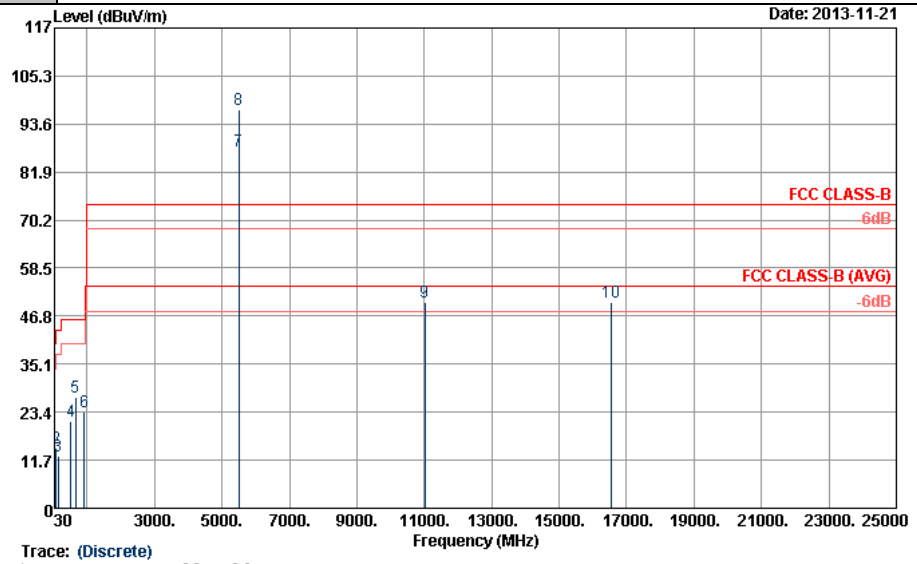


ANTENNA POLARITY : HORIZONTAL

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
31.35	21.93	-18.07	40	35.17	17.9	0.65	31.79	100	141	Peak
214.14	18.4	-25.1	43.5	39.42	9.14	1.59	31.75	-	-	Peak
287.85	19.93	-26.07	46	36.83	12.96	1.86	31.72	-	-	Peak
433	21.17	-24.83	46	33.96	16.8	2.27	31.86	-	-	Peak
630.4	21.05	-24.95	46	30.51	19.8	2.79	32.05	-	-	Peak
784.4	23.31	-22.69	46	32.06	20.15	3.06	31.96	-	-	Peak

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
5508	93.11	-	-	80.57	34.8	10.96	33.22	100	351	Average
5508	103.06	-	-	90.52	34.8	10.96	33.22	100	351	Peak
11019	50.38	-23.62	74	56.58	37.61	10.76	54.57	100	0	Peak
16530	50.73	-23.27	74	51.14	41.03	11.83	53.27	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	102	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5508 MHz is fundamental signal which can be ignored. 2. 16530 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		

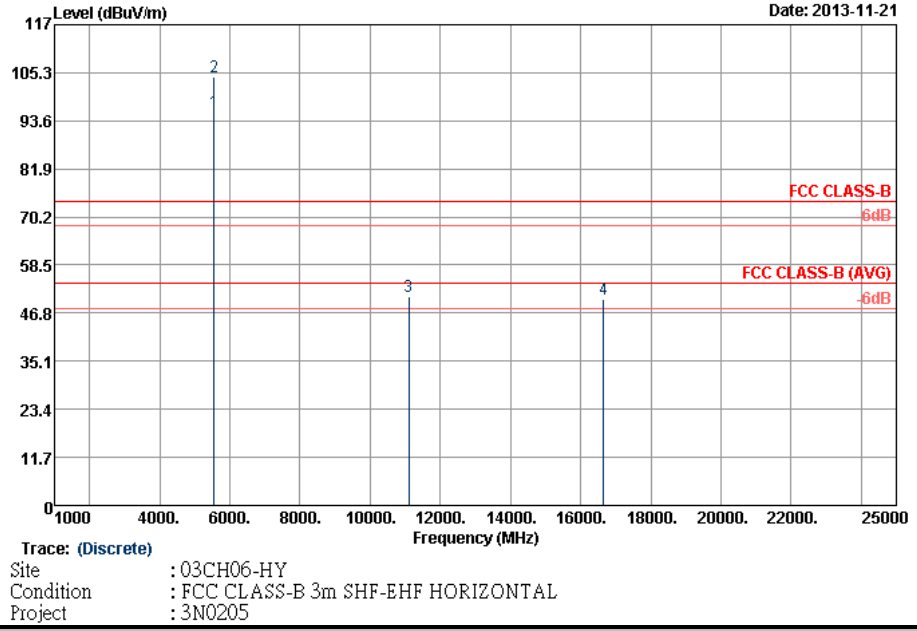


ANTENNA POLARITY : VERTICAL

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
32.16	29.7	-10.3	40	43.53	17.3	0.66	31.79	100	129	Peak
82.65	14.63	-25.37	40	38.01	7.38	1	31.76	-	-	Peak
129.36	12.67	-30.83	43.5	31.64	11.52	1.26	31.75	-	-	Peak
515.6	21.34	-24.66	46	32.82	17.96	2.51	31.95	-	-	Peak
655.6	27.03	-18.97	46	36.82	19.44	2.81	32.04	-	-	Peak
907.6	23.43	-22.57	46	30.5	21.02	3.37	31.46	-	-	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
5508	87.06	-	-	74.52	34.8	10.96	33.22	101	271	Average
5508	96.99	-	-	84.45	34.8	10.96	33.22	101	271	Peak
11019	50.35	-23.65	74	56.55	37.61	10.76	54.57	100	0	Peak
16530	50.19	-23.81	74	50.6	41.03	11.83	53.27	100	0	Peak

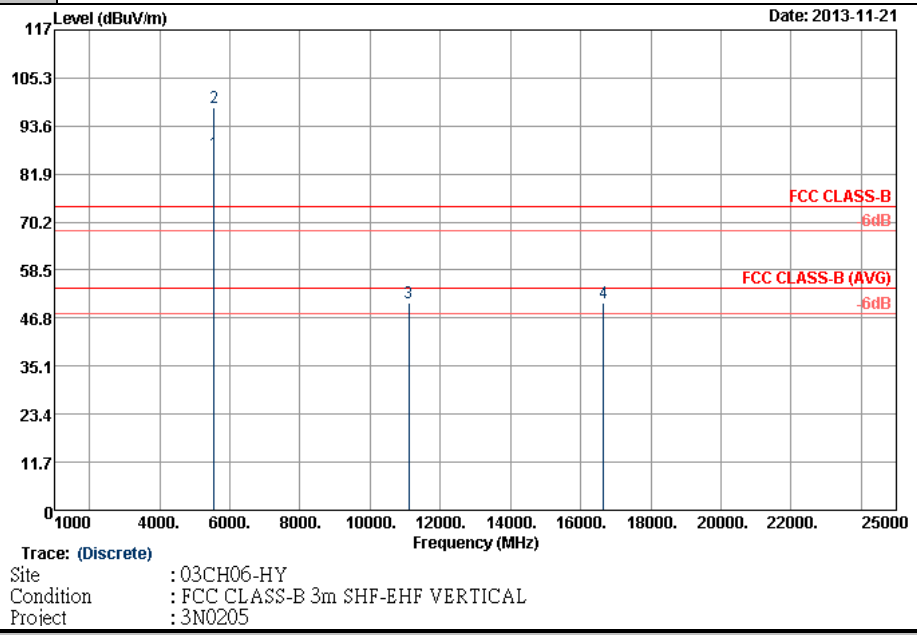
Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	110	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Horizontal
Remark :	1. 5552 MHz is fundamental signal which can be ignored. 2. 16650 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5552	95.67	-	-	83.01	34.85	11.05	33.24	100	352	Average
5552	104.44	-	-	91.78	34.85	11.05	33.24	100	352	Peak
11100	50.81	-23.19	74	56.79	37.64	10.82	54.44	100	0	Peak
16650	50.25	-23.75	74	50.39	41.16	11.88	53.18	100	0	Peak

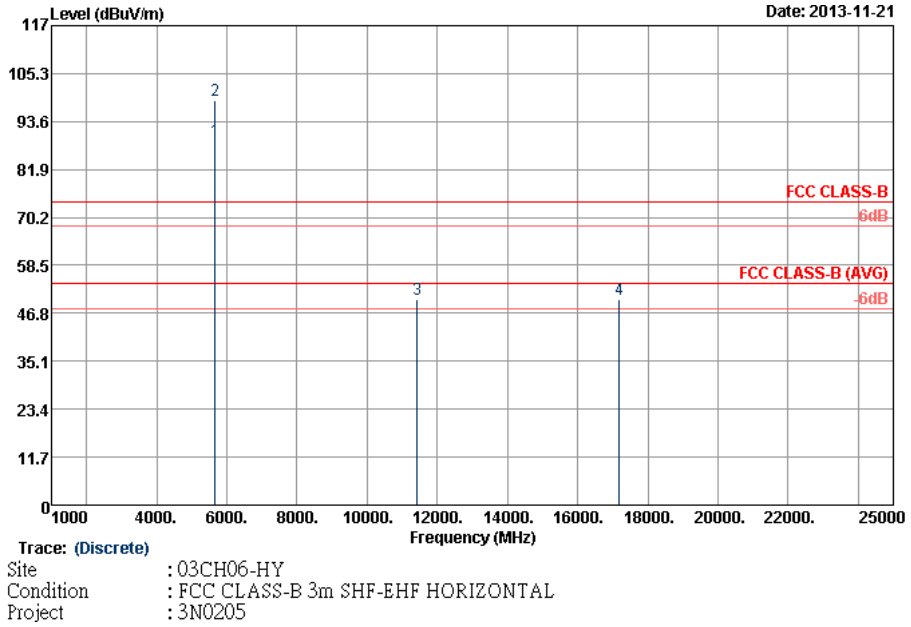
Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Channel :	110	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Vertical
Remark :	1. 5552 MHz is fundamental signal which can be ignored. 2. 16650 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5552	87.02	-	-	74.36	34.85	11.05	33.24	100	270	Average
5552	97.99	-	-	85.33	34.85	11.05	33.24	100	270	Peak
11100	50.43	-23.57	74	56.41	37.64	10.82	54.44	100	0	Peak
16650	50.46	-23.54	74	50.6	41.16	11.88	53.18	100	0	Peak

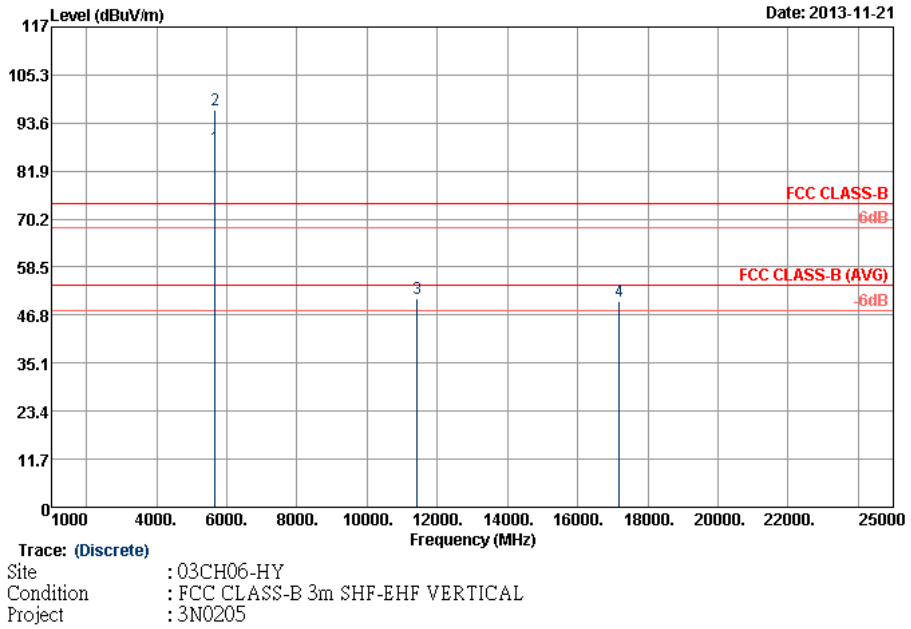
Test Mode :	802.11n HT40	Temperature :	22~24°C
Test Channel :	134	Relative Humidity :	47~49%
Test Engineer :	Marlboro Hsu	Polarization :	Horizontal
Remark :	1. 5668 MHz is fundamental signal which can be ignored. 2. 17190 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5668	89.03	-	-	76.11	34.97	11.22	33.27	100	345	Average
5668	98.8	-	-	85.88	34.97	11.22	33.27	100	345	Peak
11430	50.28	-23.72	74	55.41	37.77	11.01	53.91	100	0	Peak
17190	50.12	-23.88	74	49.94	41.21	12.24	53.27	100	0	Peak

Test Mode :	802.11n HT40	**Temperature :**	22~24°C
Test Channel :	134	**Relative Humidity :**	47~49%
Test Engineer :	Marlboro Hsu	**Polarization :**	Vertical
Remark :	1. 5668 MHz is fundamental signal which can be ignored. 2. 17190 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209. 3. Average measurement was not performed if peak level went lower than the average limit. 4. The harmonic (5th ,6th , 7th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.		



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
5668	87.71	-	-	74.79	34.97	11.22	33.27	102	327	Average
5668	96.84	-	-	83.92	34.97	11.22	33.27	102	327	Peak
11430	50.69	-23.31	74	55.82	37.77	11.01	53.91	100	0	Peak
17190	50.25	-23.75	74	50.07	41.21	12.24	53.27	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 (dBμV)	
	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.

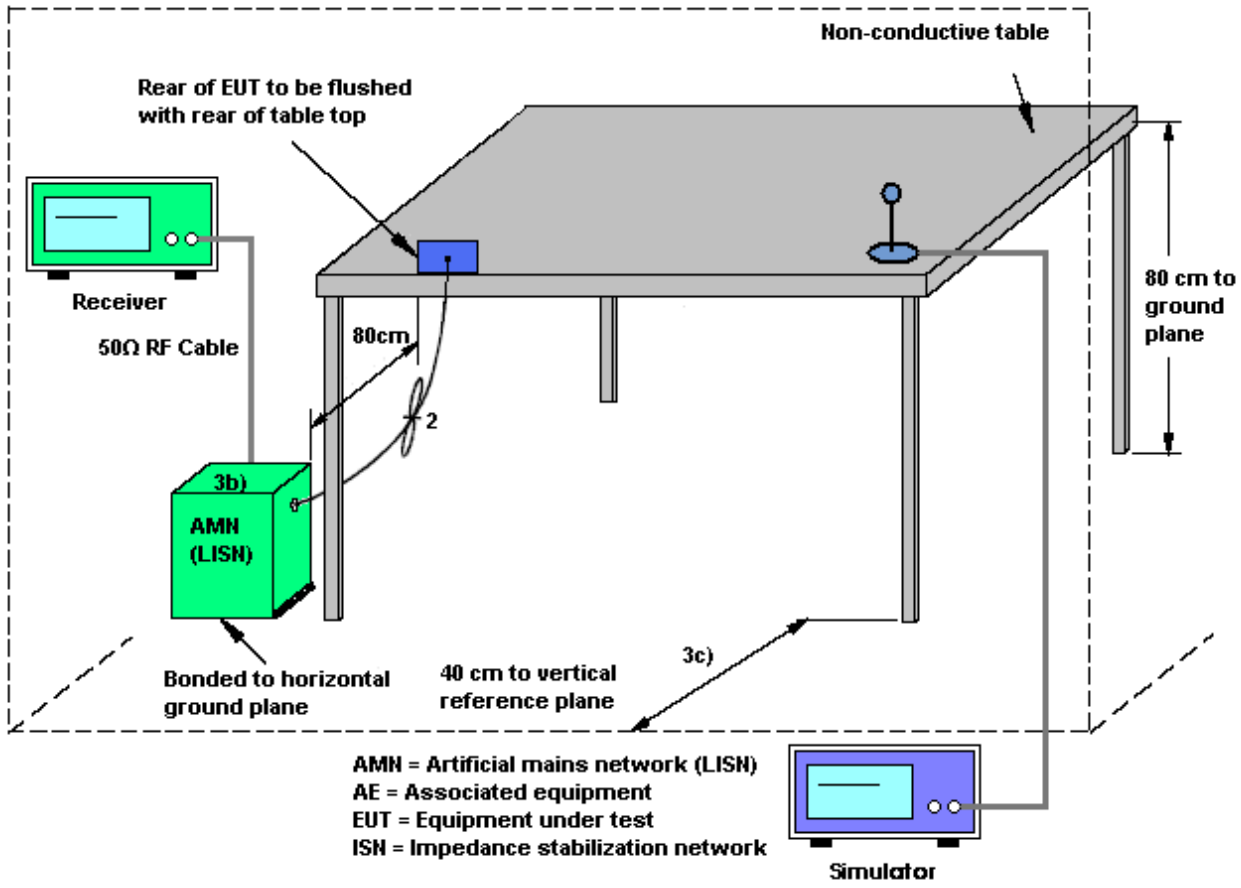
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

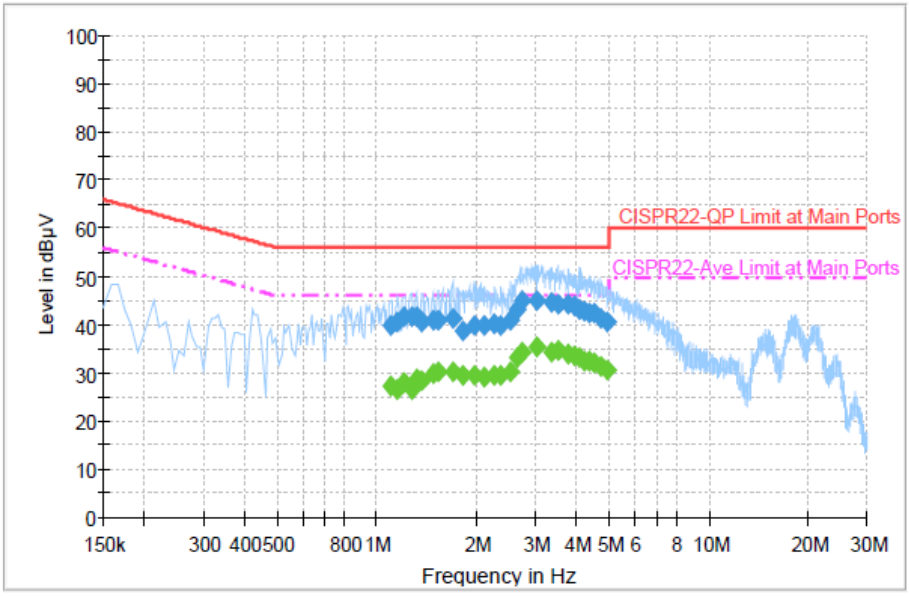
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.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

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

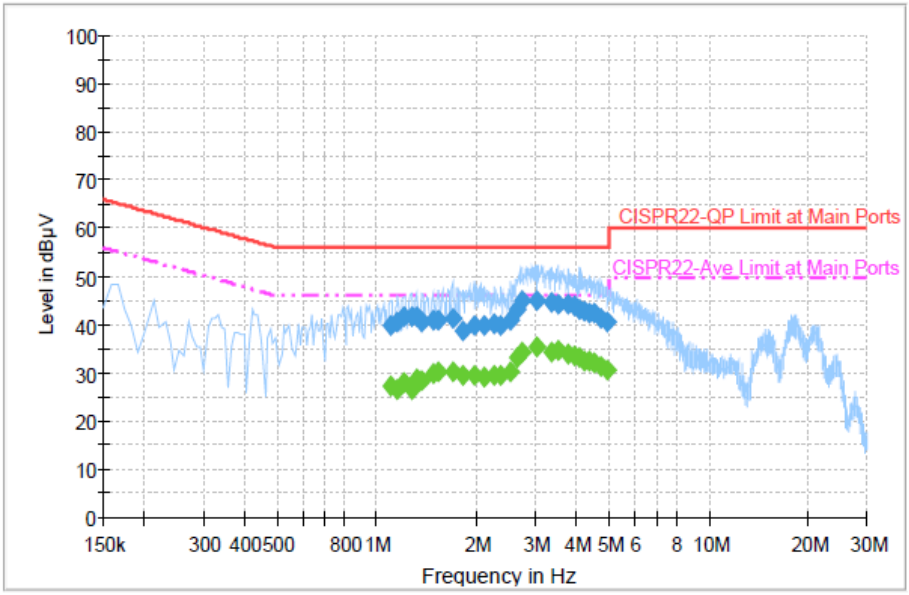
Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.102000	39.8	Off	L1	19.4	16.2	56.0
1.158000	40.8	Off	L1	19.4	15.2	56.0
1.206000	41.6	Off	L1	19.4	14.4	56.0
1.278000	41.8	Off	L1	19.4	14.2	56.0
1.318000	41.7	Off	L1	19.4	14.3	56.0
1.374000	40.4	Off	L1	19.4	15.6	56.0
1.478000	40.9	Off	L1	19.4	15.1	56.0
1.534000	40.8	Off	L1	19.4	15.2	56.0
1.694000	41.4	Off	L1	19.4	14.6	56.0
1.822000	38.7	Off	L1	19.4	17.3	56.0
1.966000	40.0	Off	L1	19.4	16.0	56.0
2.118000	39.9	Off	L1	19.4	16.1	56.0
2.262000	40.1	Off	L1	19.5	15.9	56.0
2.366000	39.8	Off	L1	19.5	16.2	56.0
2.526000	41.1	Off	L1	19.4	14.9	56.0

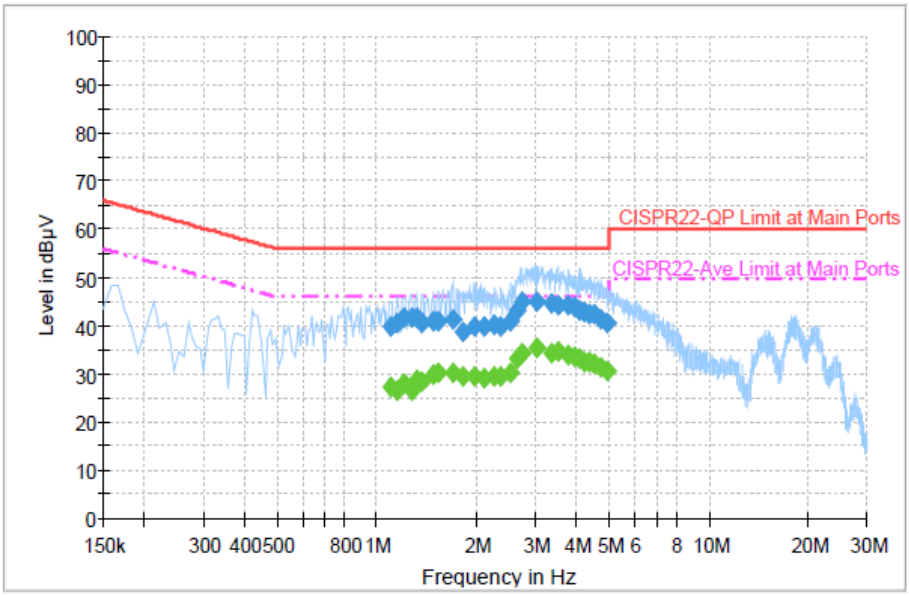
Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	46~48%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.638000	43.2	Off	L1	19.4	12.8	56.0
2.742000	45.1	Off	L1	19.4	10.9	56.0
3.054000	45.0	Off	L1	19.5	11.0	56.0
3.382000	44.6	Off	L1	19.5	11.4	56.0
3.526000	44.4	Off	L1	19.5	11.6	56.0
3.790000	44.1	Off	L1	19.5	11.9	56.0
3.942000	43.7	Off	L1	19.5	12.3	56.0
4.102000	43.2	Off	L1	19.5	12.8	56.0
4.214000	42.6	Off	L1	19.5	13.4	56.0
4.382000	42.5	Off	L1	19.5	13.5	56.0
4.510000	42.3	Off	L1	19.5	13.7	56.0
4.758000	41.3	Off	L1	19.5	14.7	56.0
4.974000	40.7	Off	L1	19.5	15.3	56.0

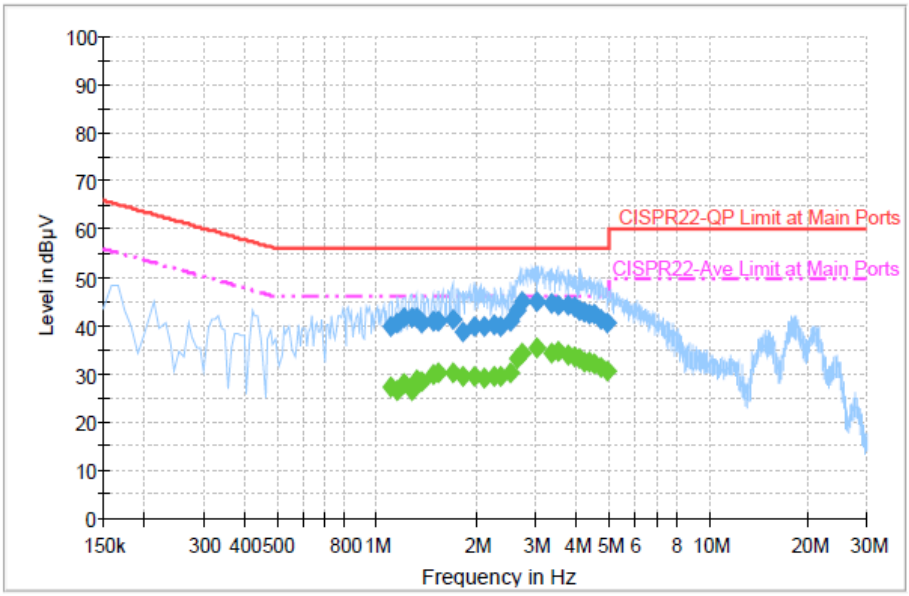
Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.102000	27.3	Off	L1	19.4	18.7	46.0
1.158000	26.5	Off	L1	19.4	19.5	46.0
1.206000	28.1	Off	L1	19.4	17.9	46.0
1.278000	26.7	Off	L1	19.4	19.3	46.0
1.318000	28.6	Off	L1	19.4	17.4	46.0
1.374000	28.5	Off	L1	19.4	17.5	46.0
1.478000	29.8	Off	L1	19.4	16.2	46.0
1.534000	30.2	Off	L1	19.4	15.8	46.0
1.694000	30.4	Off	L1	19.4	15.6	46.0
1.822000	29.6	Off	L1	19.4	16.4	46.0
1.966000	29.5	Off	L1	19.4	16.5	46.0
2.118000	29.2	Off	L1	19.4	16.8	46.0
2.262000	29.4	Off	L1	19.5	16.6	46.0
2.366000	29.5	Off	L1	19.5	16.5	46.0
2.526000	30.3	Off	L1	19.4	15.7	46.0

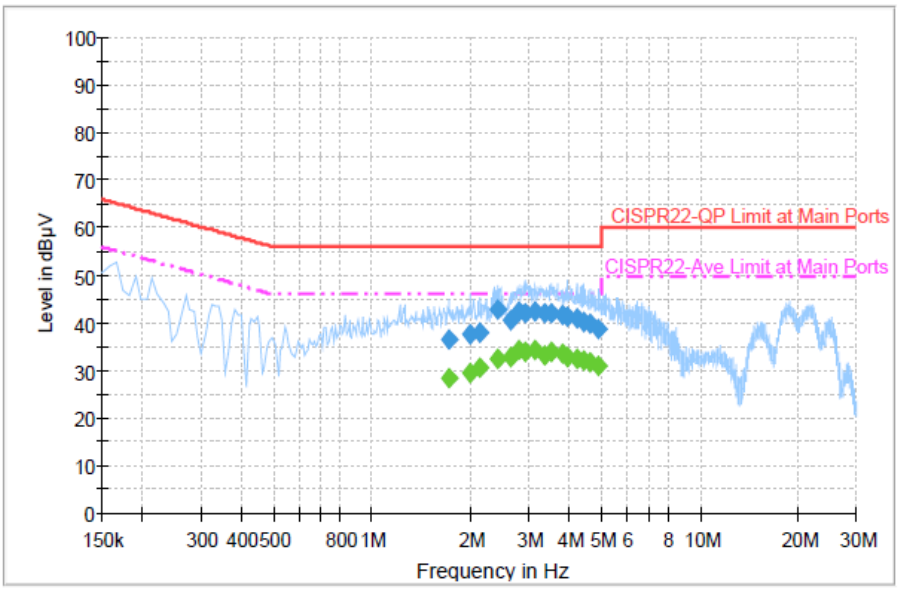
Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.638000	33.1	Off	L1	19.4	12.9	46.0
2.742000	34.3	Off	L1	19.4	11.7	46.0
3.054000	35.3	Off	L1	19.5	10.7	46.0
3.382000	34.4	Off	L1	19.5	11.6	46.0
3.526000	34.7	Off	L1	19.5	11.3	46.0
3.790000	33.9	Off	L1	19.5	12.1	46.0
3.942000	33.8	Off	L1	19.5	12.2	46.0
4.102000	33.2	Off	L1	19.5	12.8	46.0
4.214000	32.5	Off	L1	19.5	13.5	46.0
4.382000	32.3	Off	L1	19.5	13.7	46.0
4.510000	32.1	Off	L1	19.5	13.9	46.0
4.758000	31.2	Off	L1	19.5	14.8	46.0
4.974000	30.6	Off	L1	19.5	15.4	46.0

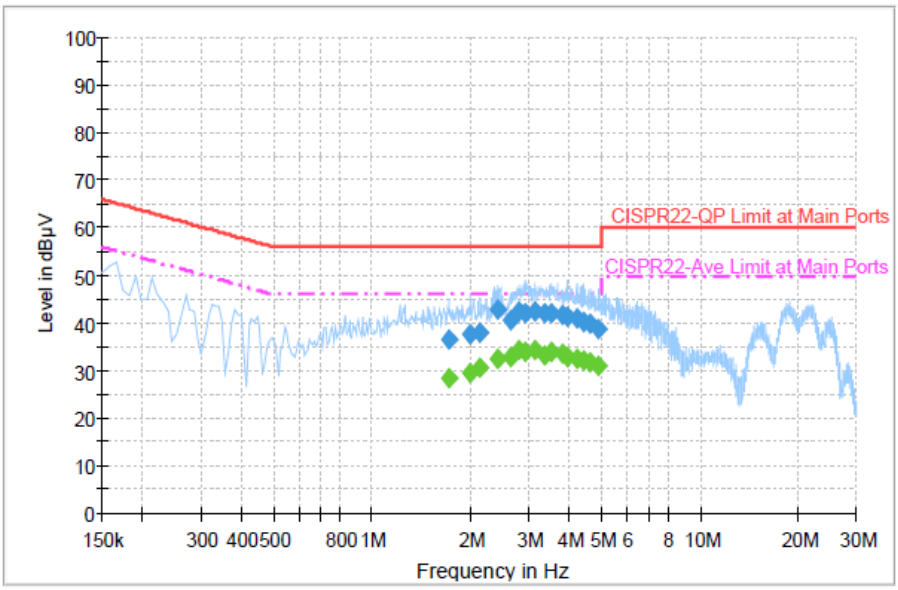
Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.718000	36.5	Off	N	19.5	19.5	56.0
1.990000	37.5	Off	N	19.5	18.5	56.0
2.142000	38.0	Off	N	19.5	18.0	56.0
2.414000	42.8	Off	N	19.5	13.2	56.0
2.638000	40.4	Off	N	19.5	15.6	56.0
2.790000	42.4	Off	N	19.5	13.6	56.0
2.926000	41.9	Off	N	19.5	14.1	56.0
3.134000	42.3	Off	N	19.5	13.7	56.0
3.366000	42.0	Off	N	19.5	14.0	56.0
3.534000	42.0	Off	N	19.5	14.0	56.0
3.798000	41.6	Off	N	19.5	14.4	56.0
3.934000	41.2	Off	N	19.5	14.8	56.0
4.222000	40.9	Off	N	19.5	15.1	56.0
4.406000	40.1	Off	N	19.5	15.9	56.0
4.614000	39.8	Off	N	19.5	16.2	56.0
4.886000	38.9	Off	N	19.6	17.1	56.0

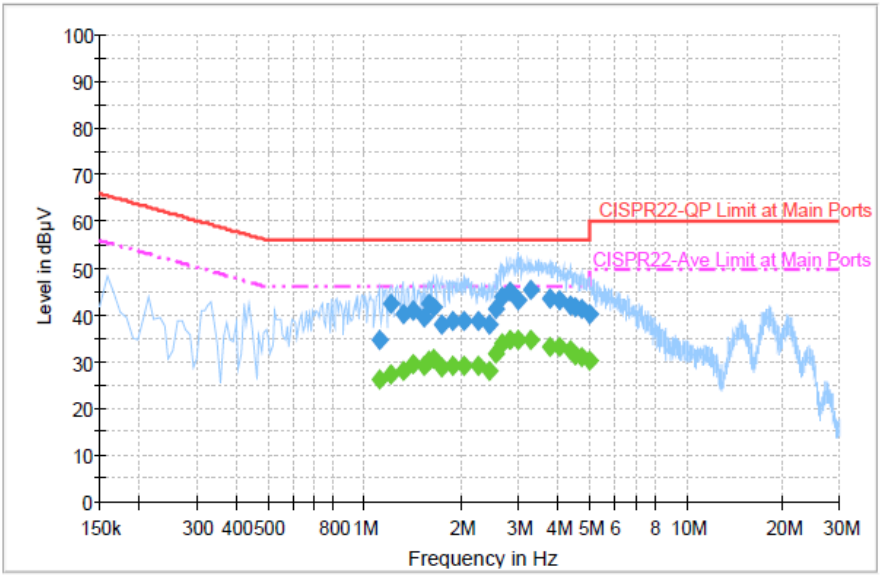
Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN Idle + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.718000	28.5	Off	N	19.5	17.5	46.0
1.990000	29.4	Off	N	19.5	16.6	46.0
2.142000	30.7	Off	N	19.5	15.3	46.0
2.414000	32.5	Off	N	19.5	13.5	46.0
2.638000	32.9	Off	N	19.5	13.1	46.0
2.790000	34.5	Off	N	19.5	11.5	46.0
2.926000	34.1	Off	N	19.5	11.9	46.0
3.134000	34.2	Off	N	19.5	11.8	46.0
3.366000	33.4	Off	N	19.5	12.6	46.0
3.534000	33.8	Off	N	19.5	12.2	46.0
3.798000	33.4	Off	N	19.5	12.6	46.0
3.934000	32.9	Off	N	19.5	13.1	46.0
4.222000	32.6	Off	N	19.5	13.4	46.0
4.406000	32.1	Off	N	19.5	13.9	46.0
4.614000	31.6	Off	N	19.5	14.4	46.0
4.886000	30.8	Off	N	19.6	15.2	46.0

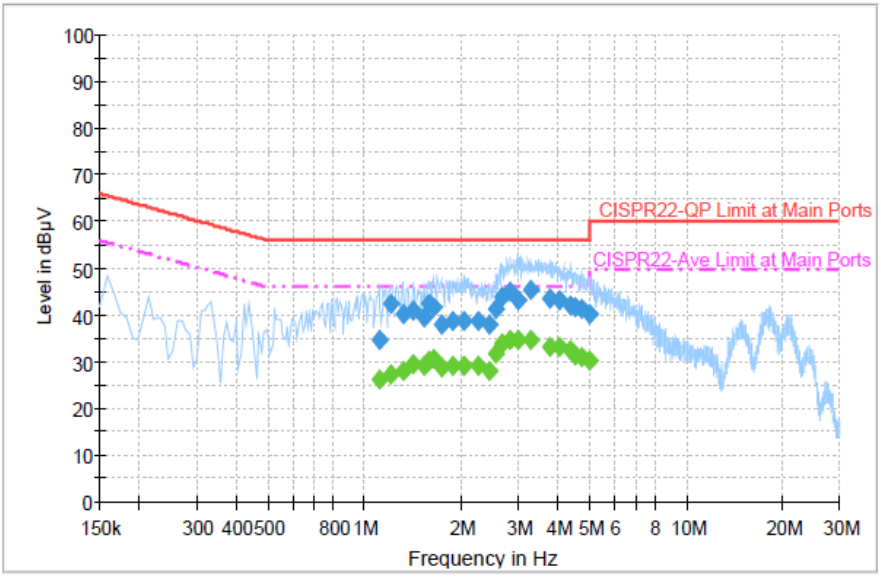
Test Mode :	Mode 2	Temperature :	20~22℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	46~48%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.110000	34.8	Off	L1	19.4	21.2	56.0
1.206000	42.4	Off	L1	19.4	13.6	56.0
1.318000	40.1	Off	L1	19.4	15.9	56.0
1.422000	41.1	Off	L1	19.4	14.9	56.0
1.526000	39.5	Off	L1	19.4	16.5	56.0
1.590000	42.3	Off	L1	19.4	13.7	56.0
1.638000	41.8	Off	L1	19.4	14.2	56.0
1.734000	37.8	Off	L1	19.4	18.2	56.0
1.886000	38.6	Off	L1	19.4	17.4	56.0
2.046000	38.8	Off	L1	19.4	17.2	56.0
2.262000	38.8	Off	L1	19.5	17.2	56.0
2.438000	37.8	Off	L1	19.5	18.2	56.0
2.574000	41.4	Off	L1	19.4	14.6	56.0
2.678000	43.8	Off	L1	19.4	12.2	56.0

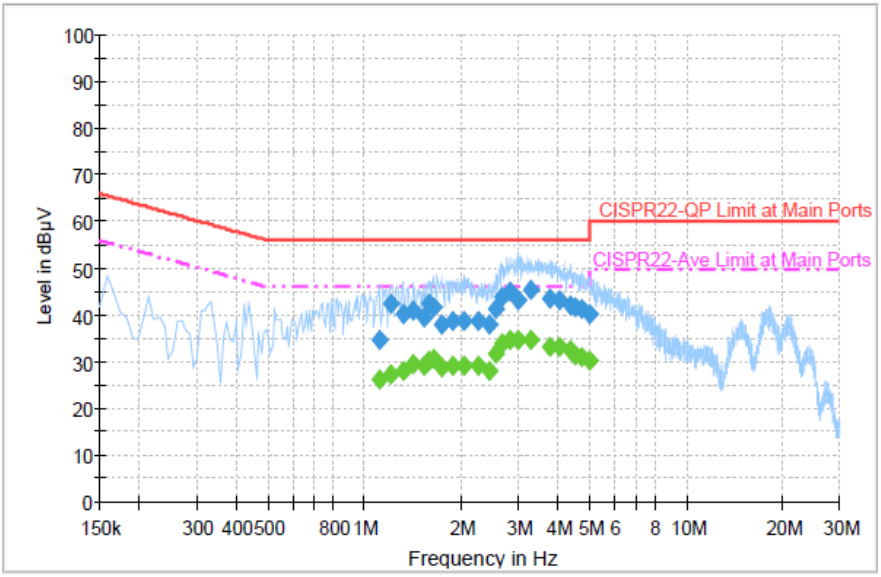
Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.838000	44.9	Off	L1	19.4	11.1	56.0
2.990000	43.2	Off	L1	19.4	12.8	56.0
3.294000	45.4	Off	L1	19.5	10.6	56.0
3.750000	43.6	Off	L1	19.5	12.4	56.0
4.038000	43.1	Off	L1	19.5	12.9	56.0
4.350000	42.2	Off	L1	19.5	13.8	56.0
4.502000	41.7	Off	L1	19.5	14.3	56.0
4.710000	41.4	Off	L1	19.5	14.6	56.0
4.990000	40.4	Off	L1	19.5	15.6	56.0

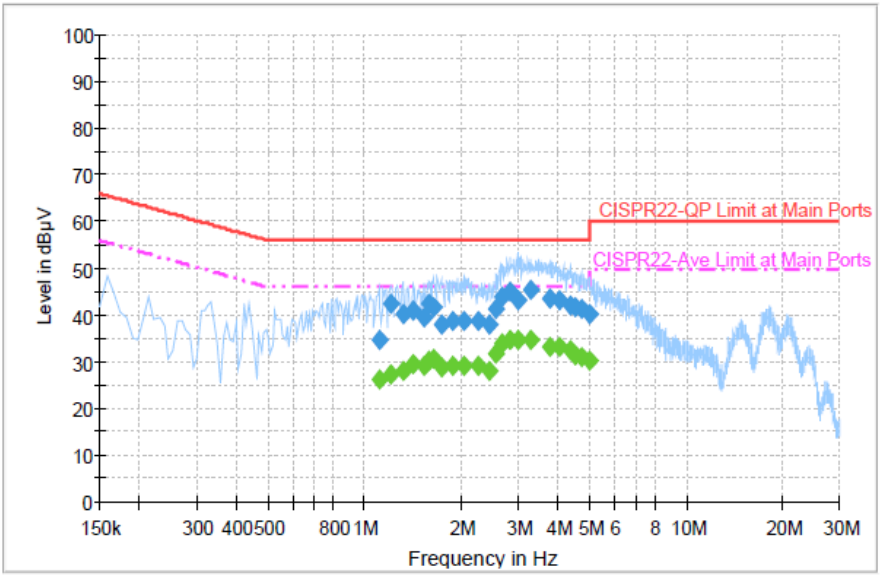
Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.110000	26.3	Off	L1	19.4	19.7	46.0
1.206000	27.4	Off	L1	19.4	18.6	46.0
1.318000	28.2	Off	L1	19.4	17.8	46.0
1.422000	29.6	Off	L1	19.4	16.4	46.0
1.526000	29.3	Off	L1	19.4	16.7	46.0
1.590000	30.3	Off	L1	19.4	15.7	46.0
1.638000	30.5	Off	L1	19.4	15.5	46.0
1.734000	28.8	Off	L1	19.4	17.2	46.0
1.886000	29.1	Off	L1	19.4	16.9	46.0
2.046000	29.3	Off	L1	19.4	16.7	46.0
2.262000	29.1	Off	L1	19.5	16.9	46.0
2.438000	28.2	Off	L1	19.5	17.8	46.0
2.574000	31.6	Off	L1	19.4	14.4	46.0
2.678000	34.0	Off	L1	19.4	12.0	46.0

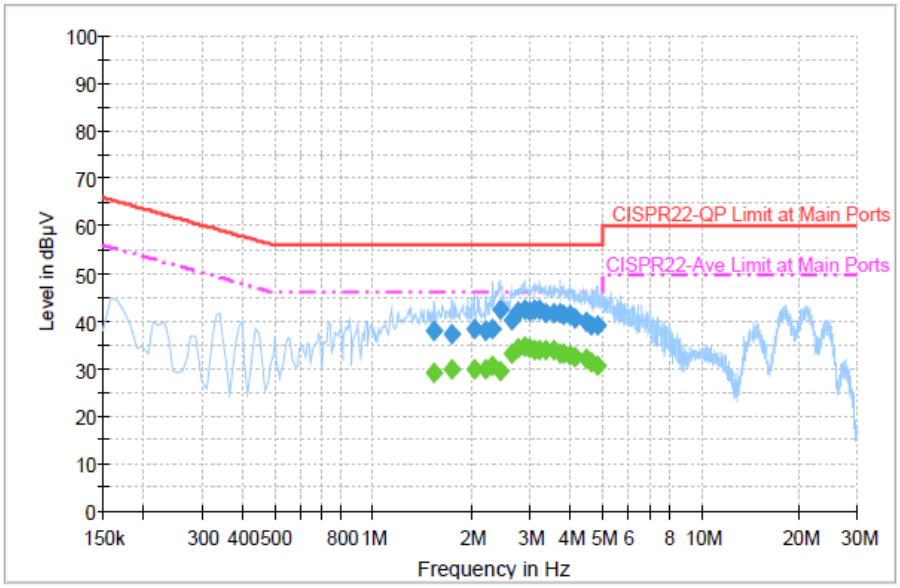
Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.838000	34.8	Off	L1	19.4	11.2	46.0
2.990000	34.8	Off	L1	19.4	11.2	46.0
3.294000	34.7	Off	L1	19.5	11.3	46.0
3.750000	33.4	Off	L1	19.5	12.6	46.0
4.038000	33.1	Off	L1	19.5	12.9	46.0
4.350000	32.4	Off	L1	19.5	13.6	46.0
4.502000	31.4	Off	L1	19.5	14.6	46.0
4.710000	30.8	Off	L1	19.5	15.2	46.0
4.990000	30.2	Off	L1	19.5	15.8	46.0

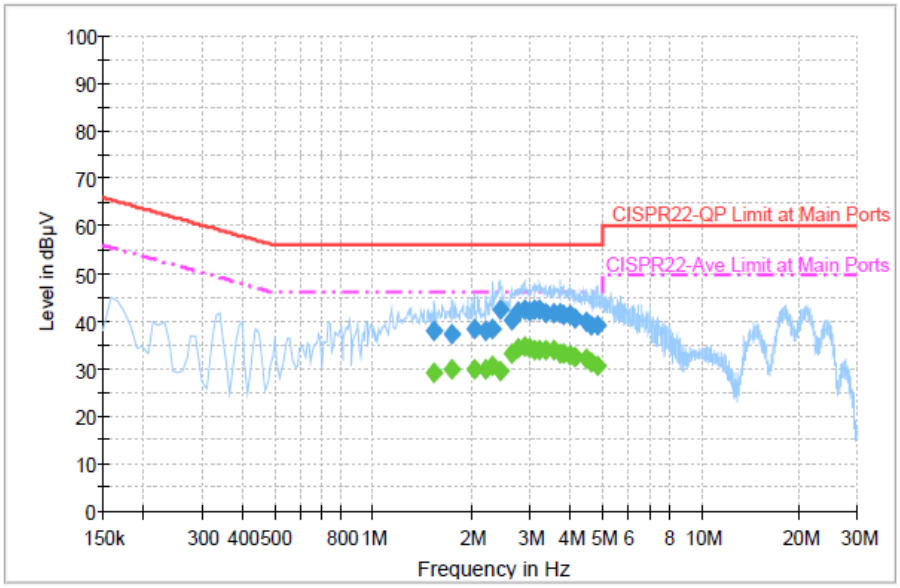
Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.534000	37.9	Off	N	19.5	18.1	56.0
1.742000	37.2	Off	N	19.5	18.8	56.0
2.030000	38.3	Off	N	19.5	17.7	56.0
2.214000	38.1	Off	N	19.5	17.9	56.0
2.318000	38.3	Off	N	19.5	17.7	56.0
2.446000	42.3	Off	N	19.5	13.7	56.0
2.638000	40.1	Off	N	19.5	15.9	56.0
2.782000	42.2	Off	N	19.5	13.8	56.0
2.886000	42.5	Off	N	19.5	13.5	56.0
3.006000	41.9	Off	N	19.5	14.1	56.0

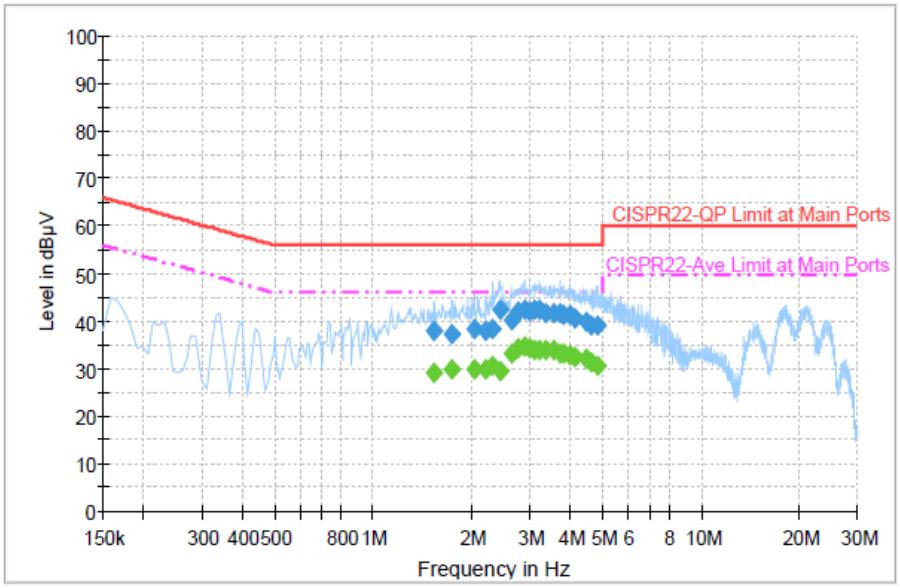
Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
3.118000	42.3	Off	N	19.5	13.7	56.0
3.230000	42.3	Off	N	19.5	13.7	56.0
3.374000	41.6	Off	N	19.5	14.4	56.0
3.574000	41.8	Off	N	19.5	14.2	56.0
3.726000	41.5	Off	N	19.5	14.5	56.0
3.822000	41.2	Off	N	19.5	14.8	56.0
3.982000	41.3	Off	N	19.5	14.7	56.0
4.110000	40.7	Off	N	19.5	15.3	56.0
4.454000	39.9	Off	N	19.5	16.1	56.0
4.646000	39.2	Off	N	19.5	16.8	56.0
4.822000	39.2	Off	N	19.5	16.8	56.0

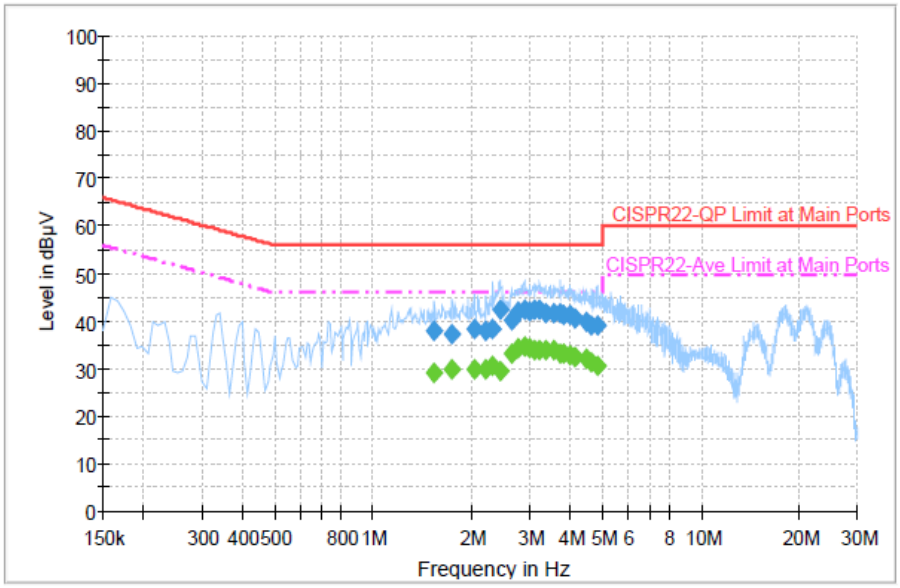
Test Mode :	Mode 2	Temperature :	20~22℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	46~48%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.534000	29.1	Off	N	19.5	16.9	46.0
1.742000	29.9	Off	N	19.5	16.1	46.0
2.030000	29.9	Off	N	19.5	16.1	46.0
2.214000	29.7	Off	N	19.5	16.3	46.0
2.318000	30.8	Off	N	19.5	15.2	46.0
2.446000	29.5	Off	N	19.5	16.5	46.0
2.638000	33.1	Off	N	19.5	12.9	46.0
2.782000	34.4	Off	N	19.5	11.6	46.0
2.886000	34.6	Off	N	19.5	11.4	46.0
3.006000	34.3	Off	N	19.5	11.7	46.0

Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	46~48%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN (5GHz) Link + MP3 + Earphone + Battery + USB cable (Charging from Adapter) + SIM 1		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
3.118000	34.0	Off	N	19.5	12.0	46.0
3.230000	34.1	Off	N	19.5	11.9	46.0
3.374000	33.9	Off	N	19.5	12.1	46.0
3.574000	34.1	Off	N	19.5	11.9	46.0
3.726000	33.4	Off	N	19.5	12.6	46.0
3.822000	33.0	Off	N	19.5	13.0	46.0
3.982000	32.7	Off	N	19.5	13.3	46.0
4.110000	32.6	Off	N	19.5	13.4	46.0
4.454000	32.0	Off	N	19.5	14.0	46.0
4.646000	31.3	Off	N	19.5	14.7	46.0
4.822000	30.5	Off	N	19.5	15.5	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.

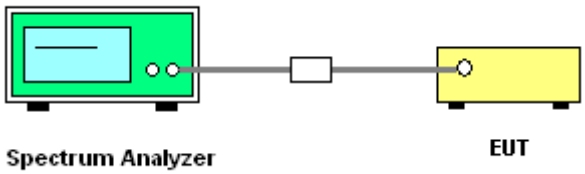
3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 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 Band :	5GHz band 1,2,3	Temperature :	21~26℃
Test Engineer :	Bill Kuo	Relative Humidity :	45~54%

Mod.	Data Rate	N_{TX}	Channel	Frequency (MHz)	Center Frequency (Hz)	Frequency Deviation (Hz)	Frequency Stability (ppm)
11a	6Mbps	1	36	5180	5180000000	0	0.00
11a	6Mbps	1	48	5240	5240025000	25000	4.77

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Center Frequency (Hz)	Frequency Deviation (Hz)	Frequency Stability (ppm)
11a	6Mbps	1	52	5260	5260025000	25000	4.75
11a	6Mbps	1	64	5320	5320000000	0	0.00

Mod.	Data Rate	N_{TX}	Channel	Freq. (MHz)	Center Frequency (Hz)	Frequency Deviation (Hz)	Frequency Stability (ppm)
11a	6Mbps	1	100	5500	5500000000	0	0.00
11a	6Mbps	1	140	5700	5700025000	25000	4.39

Note: Center Frequency = (Low Frequency + High Frequency) / 2.

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

The measuring equipment is listed in the section 4 of this test report.

3.8.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, 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 Anti-Replacement Construction

An embedded-in antenna design is 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 Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 07, 2013	Nov. 17, 2013~ Dec. 26, 2013	Jun. 06, 2014	Conducted (TH02-HY)
Power Meter	Anritsu	ML2495A	1036004	300MHz~40GHz	Aug. 17, 2013	Nov. 17, 2013~ Dec. 26, 2013	Aug. 16, 2014	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 17, 2013	Nov. 17, 2013~ Dec. 26, 2013	Aug. 16, 2014	Conducted (TH02-HY)
Hygrometer	Testo	608-H1	34897199	N/A	May 07, 2013	Nov. 17, 2013~ Dec. 26, 2013	May 06, 2014	Conducted (TH02-HY)
RF cable	WOKEN	SMA(M)-SMA(M) for SS405 Cable Assembly	S05-130703-32	N/A	Jul. 09, 2013	Nov. 17, 2013~ Dec. 26, 2013	Jul. 08, 2014	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP30	101067	9KHz ~ 30GHz	Nov. 20, 2013	Nov. 20, 2013~ Jan. 10, 2014	Nov. 19, 2014	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9kHz ~ 26.5GHz	Nov. 26, 2012	Nov. 20, 2013~ Nov. 24, 2013	Nov. 25, 2013	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9kHz ~ 26.5GHz	Dec. 02, 2013	Dec. 02, 2013~ Jan. 10, 2014	Dec. 01, 2014	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESVS10	834468/0003	20MHz ~ 1000MHz	May 06, 2013	Nov. 20, 2013~ Jan. 10, 2014	May 05, 2014	Radiation (03CH06-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	860004/0001	9 kHz~30 MhZ	Jul. 03, 2012	Nov. 20, 2013~ Jan. 10, 2014	Jul. 02, 2014	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL6112B	2885	30MHz -2GHz	Oct. 10, 2013	Nov. 20, 2013~ Jan. 10, 2014	Oct. 09, 2014	Radiation (03CH06-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz ~ 18GHz	Aug. 02, 2013	Nov. 20, 2013~ Jan. 10, 2014	Aug. 01, 2014	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz ~ 40GHz	Oct. 03, 2013	Nov. 20, 2013~ Jan. 10, 2014	Oct. 02, 2014	Radiation (03CH06-HY)
Amplifier	Agilent	310N	186713	9kHz ~ 1GHz	Apr. 12, 2013	Nov. 20, 2013~ Jan. 10, 2014	Apr. 11, 2014	Radiation (03CH06-HY)
Pre Amplifier	EMCI	EMC051845	SN980048	1GHz ~ 18GHz	Jul. 18, 2013	Nov. 20, 2013~ Jan. 10, 2014	Jul. 17, 2014	Radiation (03CH06-HY)
Preamplifier	Agilent	8449B	3008A01917	1GHz ~ 26.5GHz	Apr. 12, 2013	Nov. 20, 2013~ Jan. 10, 2014	Apr. 11, 2014	Radiation (03CH06-HY)
LF RF Cable	warison	WCBA-WC04 NM.NM2	N/A	30MHz~1GHz	Dec. 04, 2012	Nov. 20, 2013~ Nov. 27, 2013	Dec. 03, 2013	Radiation (03CH06-HY)
LF RF Cable	warison	WCBA-WC04 NM.NM2	N/A	30MHz~1GHz	Nov. 28, 2013	Nov. 28, 2013~ Jan. 10, 2014	Nov. 27, 2014	Radiation (03CH06-HY)
HF RF Cable	Huber + Suhner	sucoflex 104	286027/4	1GHz~26.5GHz	Dec. 04, 2012	Nov. 20, 2013~ Nov. 27, 2013	Dec. 03, 2013	Radiation (03CH06-HY)
HF RF Cable	Huber + Suhner	sucoflex 104	286027/4	1GHz~26.5GHz	Nov. 28, 2013	Nov. 28, 2013~ Jan. 10, 2014	Nov. 27, 2014	Radiation (03CH06-HY)
High Pass Filter	Microwave	H07G18G3	282388	7G HPF	Nov. 29, 2012	Nov. 20, 2013~ Nov. 27, 2013	Nov. 30, 2013	Radiation (03CH06-HY)
High Pass Filter	Microwave	H07G18G3	282388	7G HPF	Nov. 28, 2013	Nov. 28, 2013~ Jan. 10, 2014	Nov. 27, 2014	Radiation (03CH06-HY)
Low Pass Filter	Wainwright	WLKS1500-8SS	SN51	1.5G LPF	Nov. 26, 2012	Nov. 20, 2013~ Nov. 24, 2013	Nov. 25, 2013	Radiation (03CH06-HY)
Low Pass Filter	Wainwright	WLKS1500-8SS	SN51	1.5G LPF	Nov. 28, 2013	Nov. 28, 2013~ Jan. 10, 2014	Nov. 27, 2014	Radiation (03CH06-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Turn Table	INN-CO	DS2000	420/650/00	0 - 360 degree	N/A	Nov. 20, 2013~ Jan. 10, 2014	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1 m ~ 4 m	N/A	Nov. 20, 2013~ Jan. 10, 2014	N/A	Radiation (03CH06-HY)
Test Software	Audix	E3	Version 6.2009-8-24	N/A	N/A	Nov. 20, 2013~ Jan. 10, 2014	N/A	Radiation (03CH06-HY)
Hygrometer	WISEWIND	410	BU5004	N/A	May 07, 2013	Nov. 20, 2013~ Jan. 10, 2014	May 06, 2014	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Sep. 06, 2013	Nov. 13, 2013	Sep. 05, 2014	Conduction (CO05-HY)
Two-LISN (for auxiliary equipment)	Rohde & Schwarz	ENV216	100081	9kHz ~ 30MHz	Dec. 12, 2012	Nov. 13, 2013	Dec. 11, 2013	Conduction (CO05-HY)
Two-LISN	Rohde & Schwarz	ENV216	100080	9kHz ~ 30MHz	Dec. 06, 2012	Nov. 13, 2013	Dec. 05, 2013	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	Nov. 13, 2013	N/A	Conduction (CO05-HY)
Test Software	N/A	EMC32	8.40.0	N/A	N/A	Nov. 13, 2013	N/A	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 25, 2013	Nov. 13, 2013	Apr. 24, 2014	Conduction (CO05-HY)
LF Cable	Shuner	RG-402	N/A	N/A	Oct. 17, 2013	Nov. 13, 2013	Oct. 16, 2014	Conduction (CO05-HY)

Note: Test equipment calibration is traceable to the procedure of ISO17025.

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 (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50**