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WIFI

2.4GHz 2400~2483.5MHz Harmonic @ 3m

802.11b CH11 2462MHz

2 Horizontal

Vertical

Vertical

Peak
Avg.

Peak
Avg.

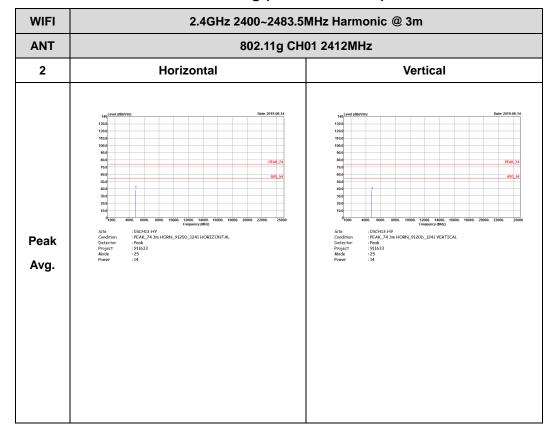
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : C2-39 of 49

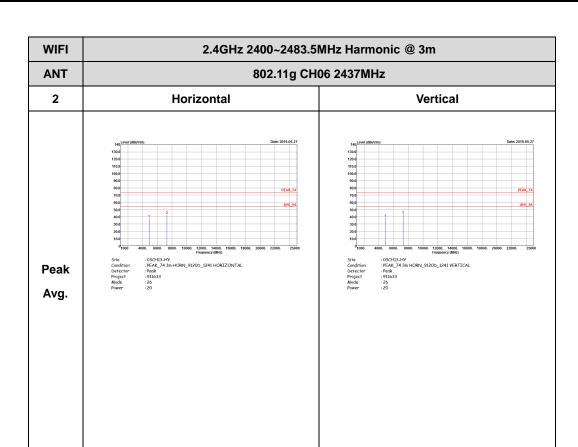
2.4GHz 2400~2483.5MHz

Report No.: FR911633C

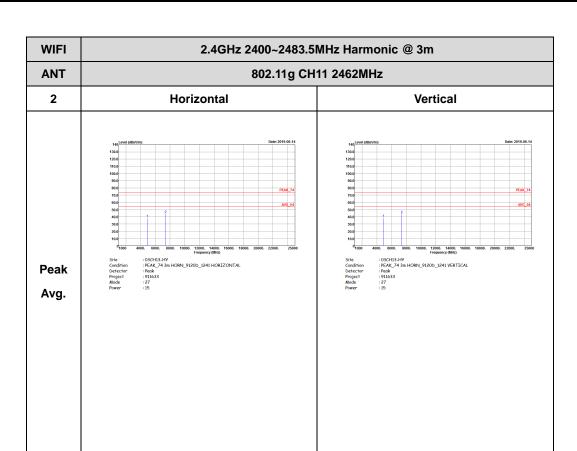
WIFI 802.11g (Harmonic @ 3m)



TEL: 886-3-327-3456 Page Number : C2-40 of 49



TEL: 886-3-327-3456 Page Number : C2-41 of 49

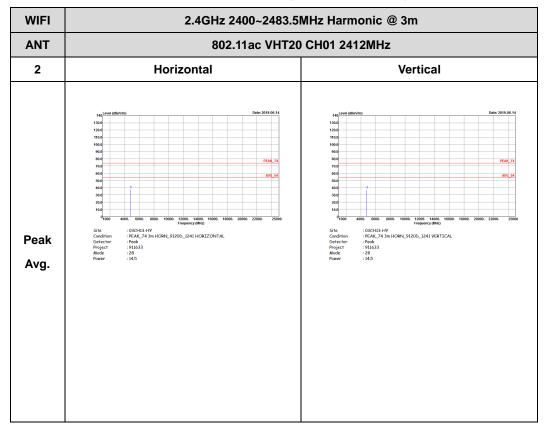


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2.4GHz 2400~2483.5MHz

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WIFI 802.11ac VHT20 (Harmonic @ 3m)



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Report No.: FR911633C

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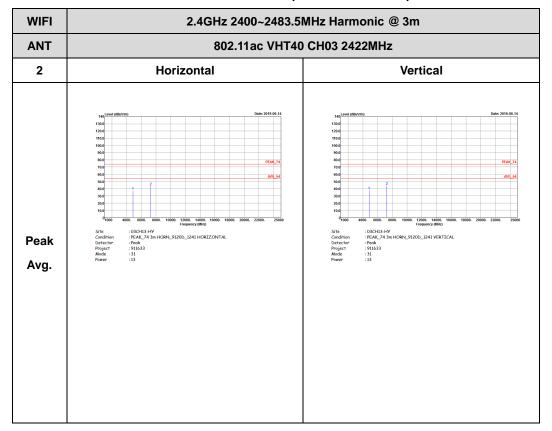
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : C2-45 of 49

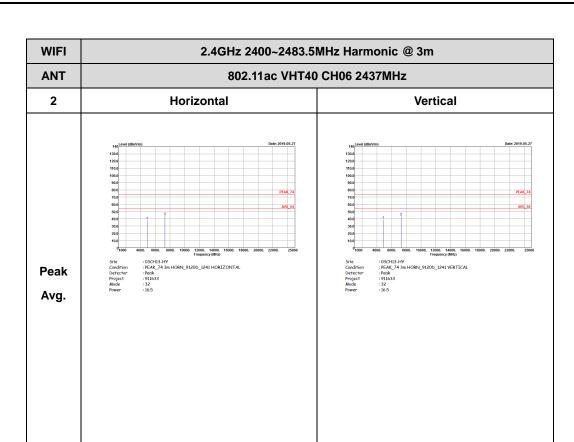
2.4GHz 2400~2483.5MHz

Report No.: FR911633C

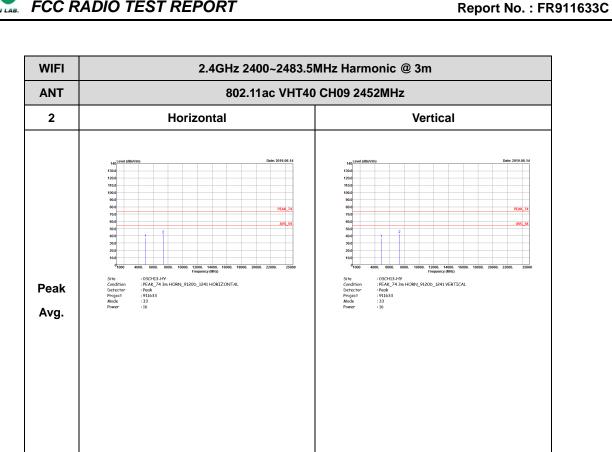
WIFI 802.11ac VHT40 (Harmonic @ 3m)



TEL: 886-3-327-3456 Page Number: C2-46 of 49



TEL: 886-3-327-3456 Page Number : C2-47 of 49

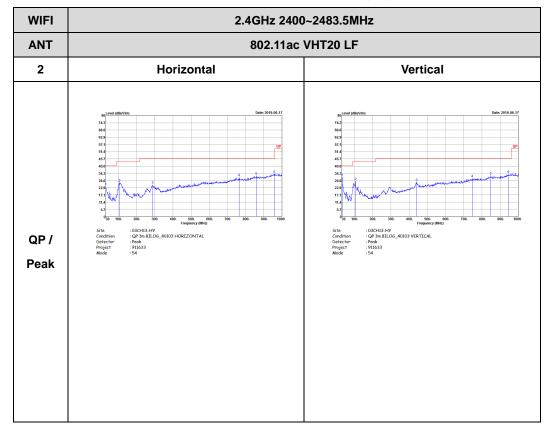


TEL: 886-3-327-3456 Page Number : C2-48 of 49

Emission below 1GHz

Report No.: FR911633C

2.4GHz WIFI 802.11ac VHT20 (LF)

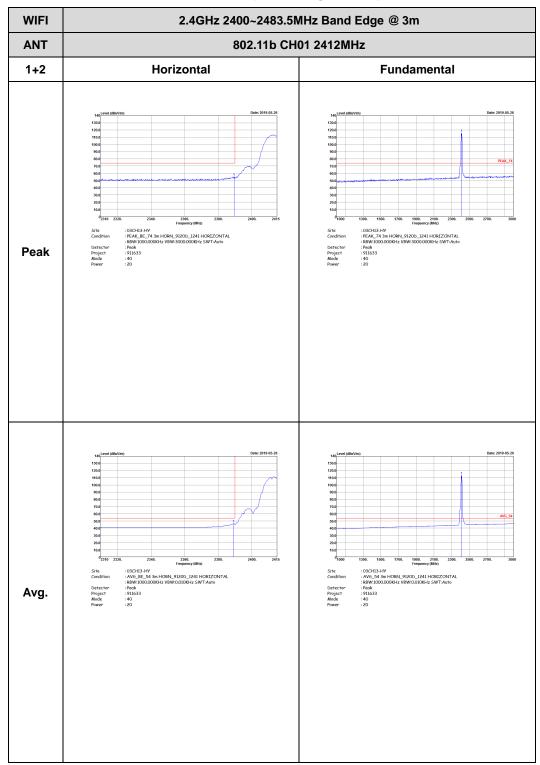


TEL: 886-3-327-3456 Page Number : C2-49 of 49

2.4GHz 2400~2483.5MHz

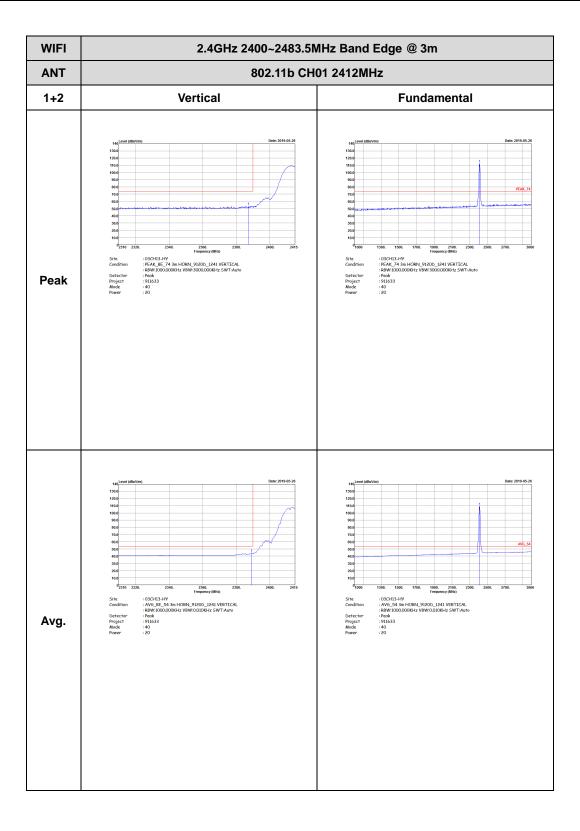
Report No.: FR911633C

WIFI 802.11b (Band Edge @ 3m)



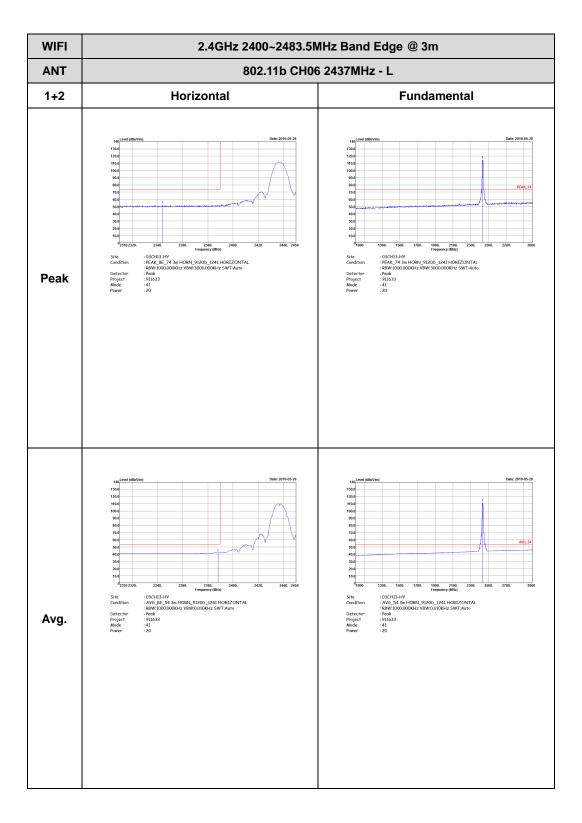
TEL: 886-3-327-3456 Page Number: C3-1 of 49



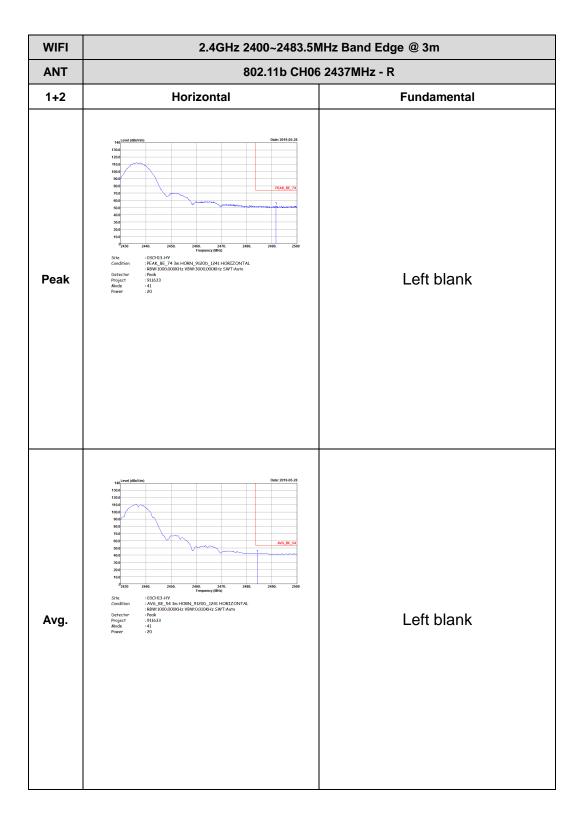


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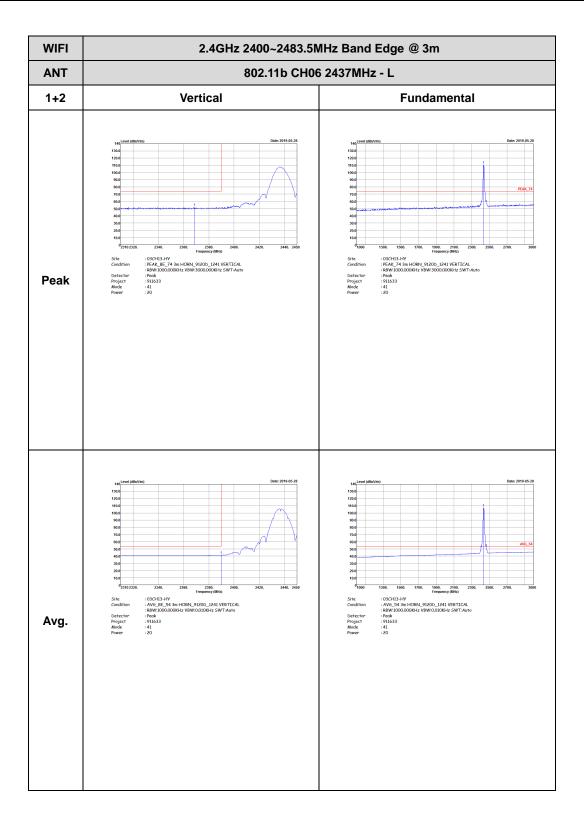


TEL: 886-3-327-3456 Page Number: C3-3 of 49



TEL: 886-3-327-3456 Page Number : C3-4 of 49

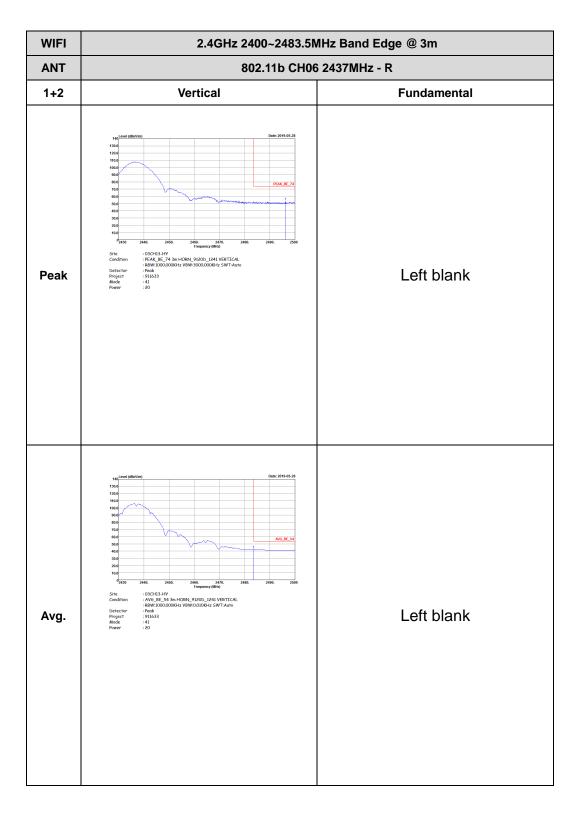
FCC RADIO TEST REPORT



Report No.: FR911633C

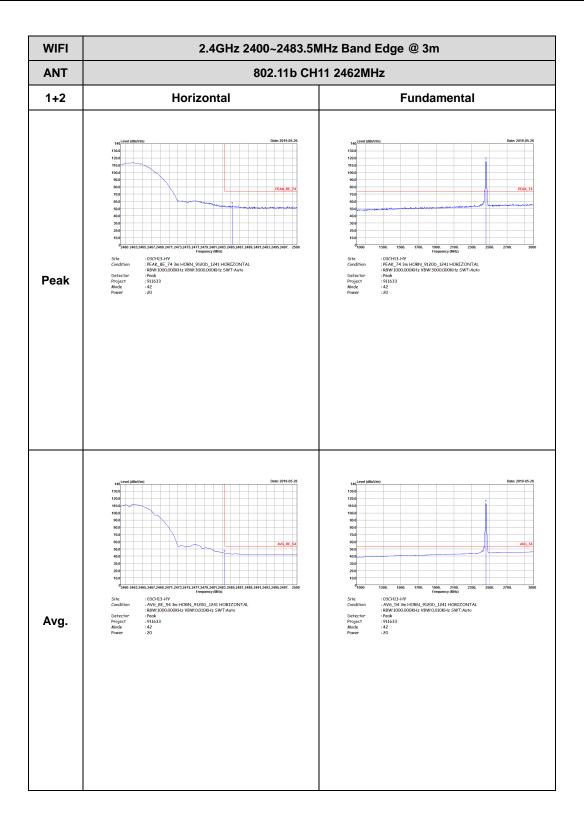
TEL: 886-3-327-3456 Page Number : C3-5 of 49



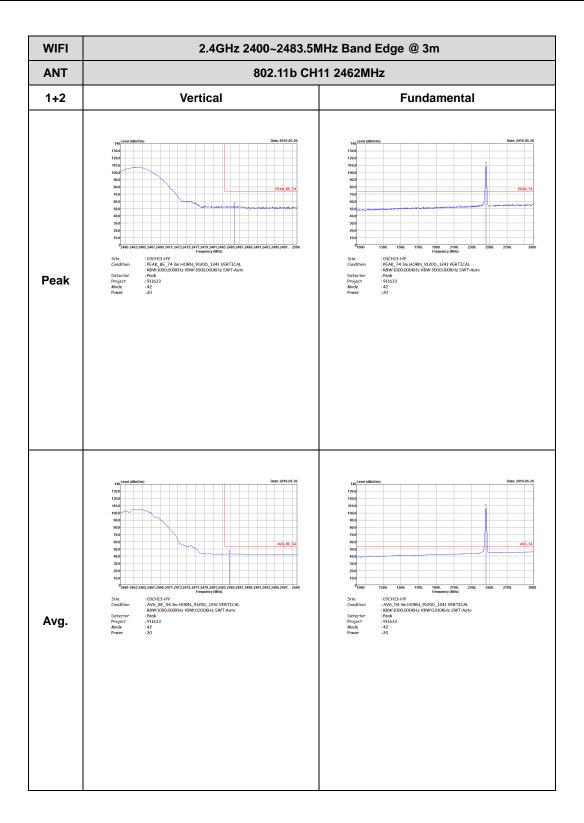


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TEL: 886-3-327-3456 Page Number : C3-7 of 49

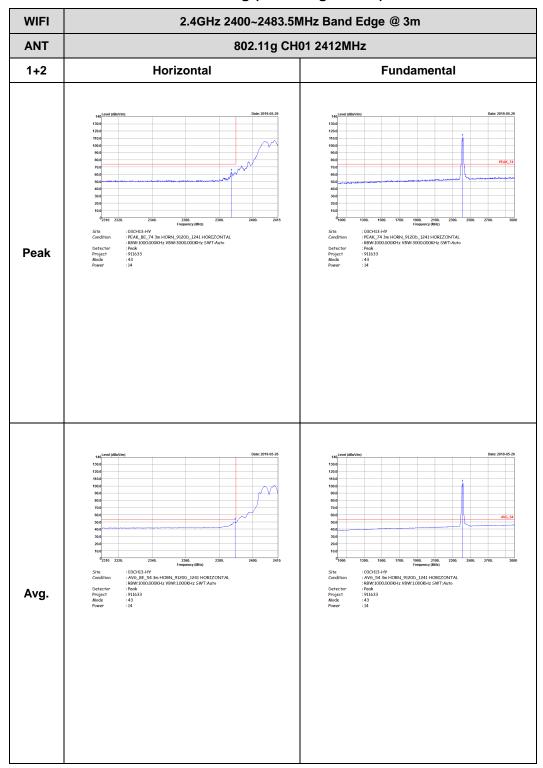


TEL: 886-3-327-3456 Page Number : C3-8 of 49

2.4GHz 2400~2483.5MHz

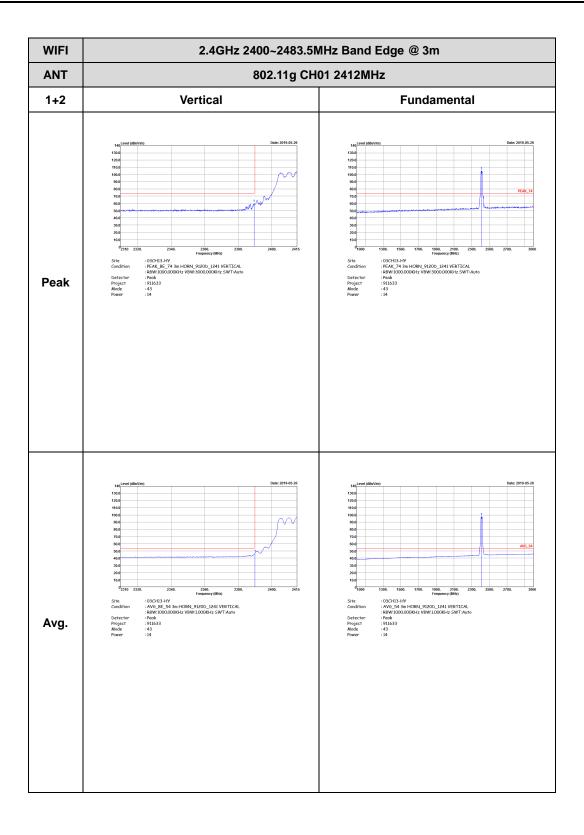
Report No.: FR911633C

WIFI 802.11g (Band Edge @ 3m)



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FCC RADIO TEST REPORT

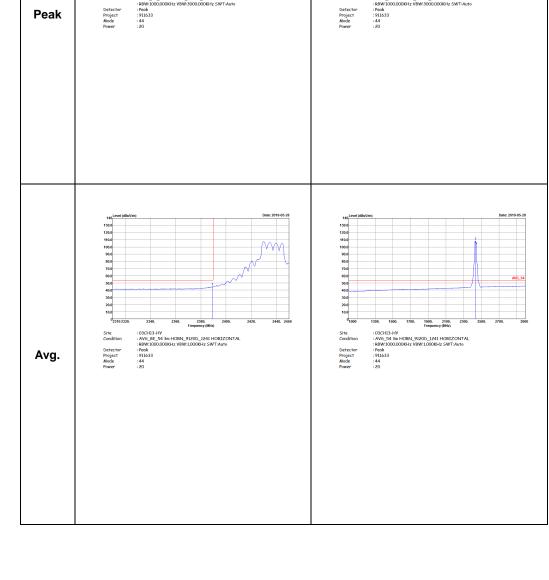


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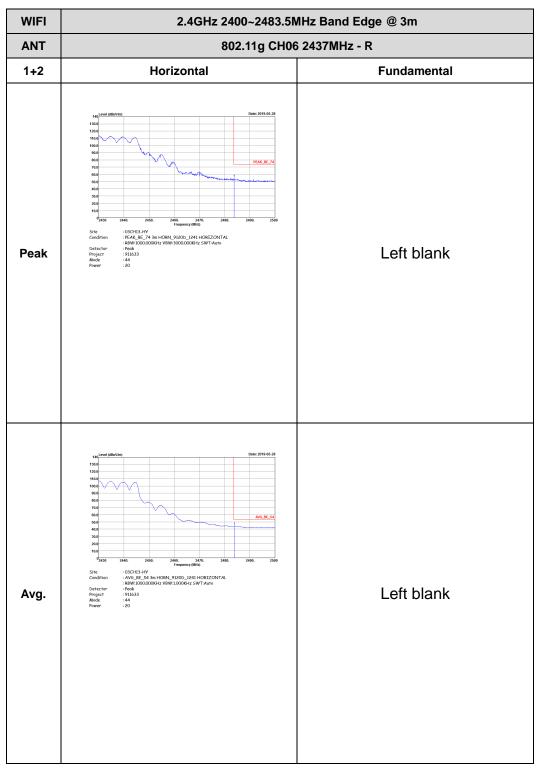
TEL: 886-3-327-3456 Page Number : C3-10 of 49

WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11g CH06 2437MHz - L 1+2 Horizontal **Fundamental** Peak

Report No.: FR911633C

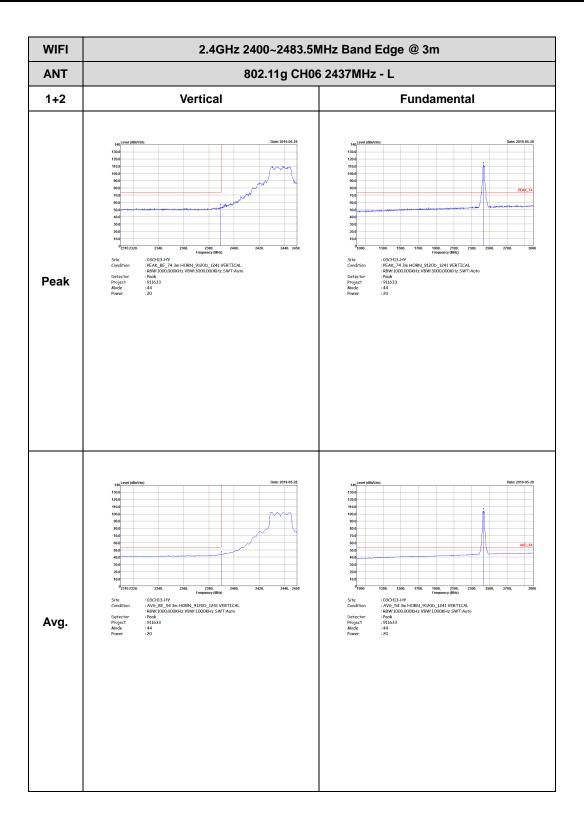


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WIFI

2.4GHz 2400~2483.5MHz Band Edge @ 3m

ANT

802.11g CH06 2437MHz - R

1+2

Vertical

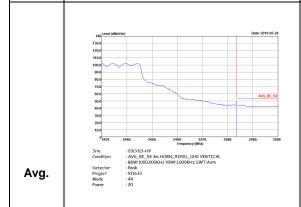
Fundamental

Peak

Peak

Peak

Left Blank



Left Blank

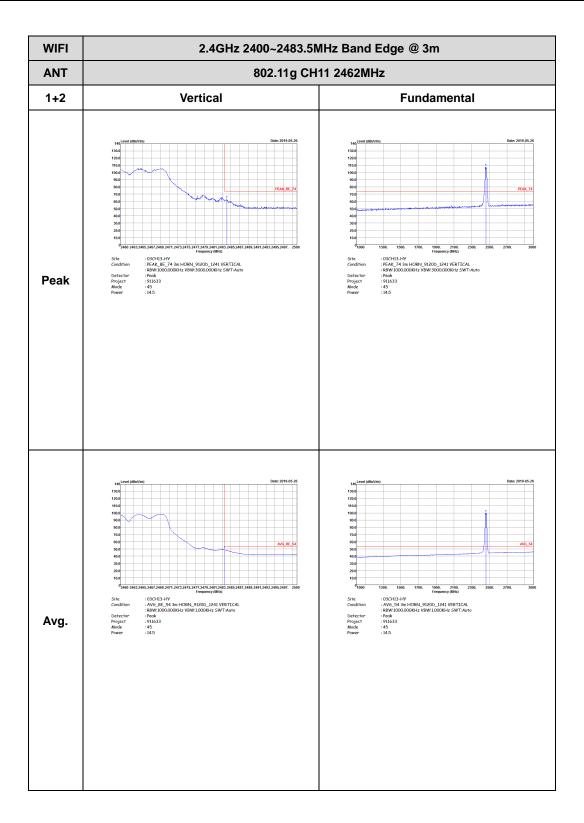
TEL: 886-3-327-3456 Page Number : C3-14 of 49



WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11g CH11 2462MHz 1+2 Horizontal **Fundamental** Peak Avg.

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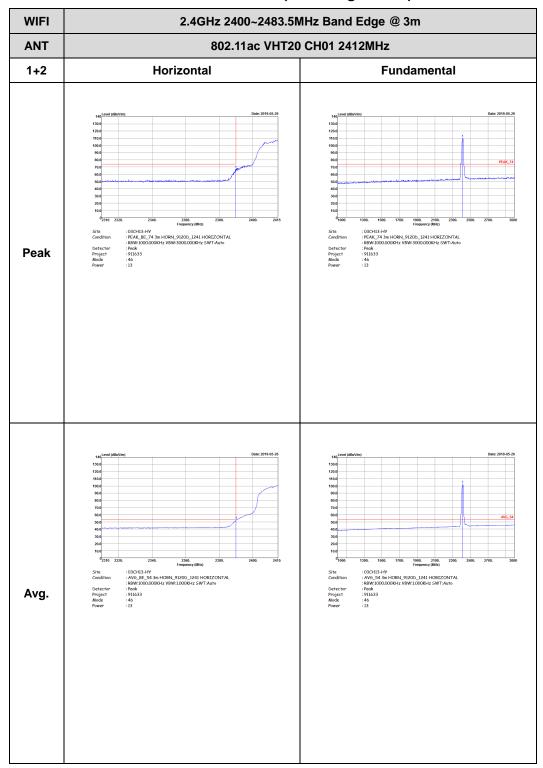


TEL: 886-3-327-3456 Page Number : C3-16 of 49

2.4GHz 2400~2483.5MHz

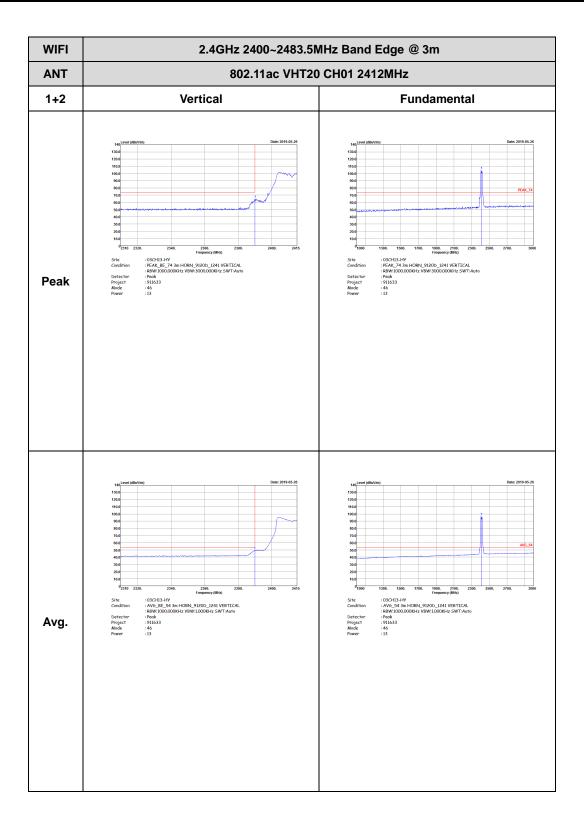
Report No.: FR911633C

WIFI 802.11ac VHT20 (Band Edge @ 3m)



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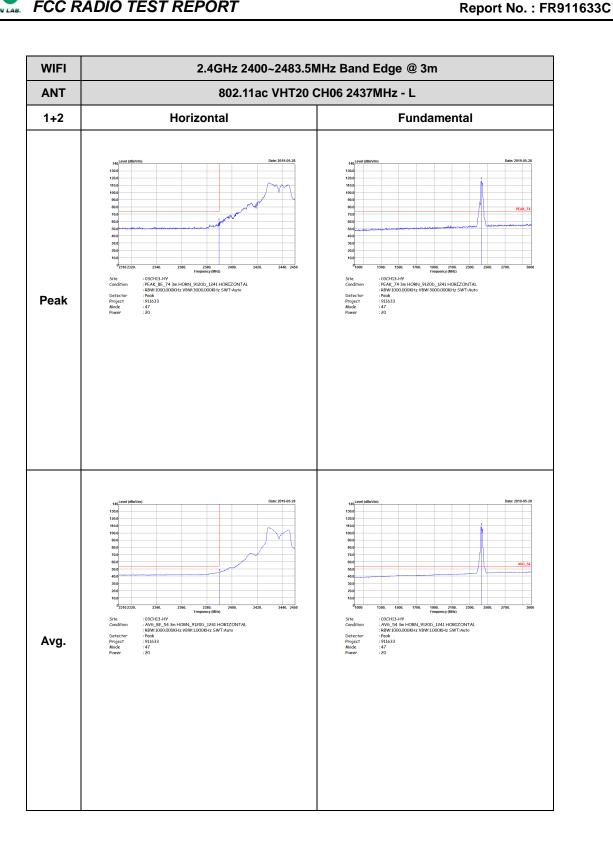
SPORTON LAB. FCC RADIO TEST REPORT



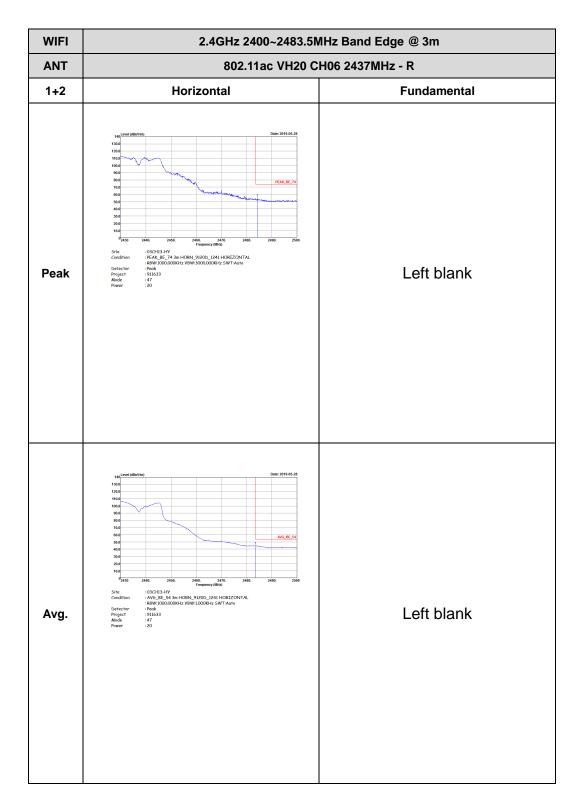
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : C3-18 of 49

SPORTON LAB. FCC RADIO TEST REPORT

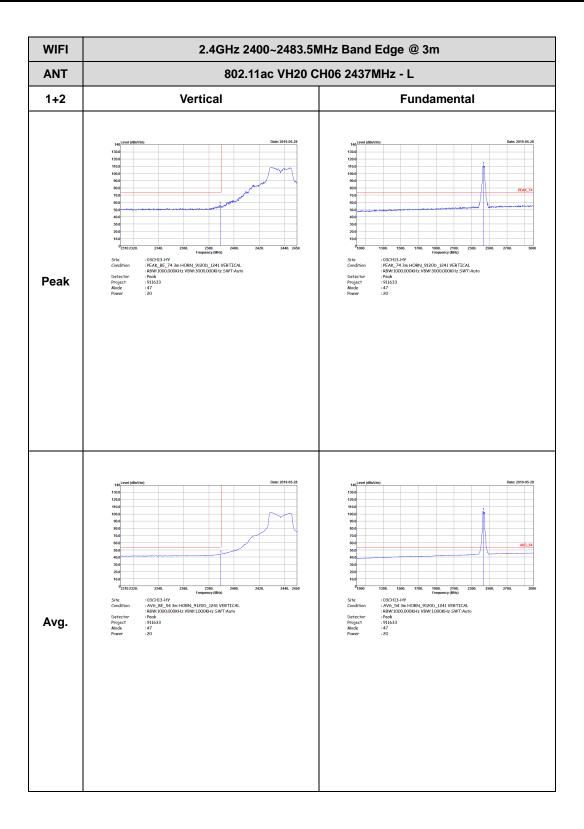


TEL: 886-3-327-3456 Page Number : C3-19 of 49



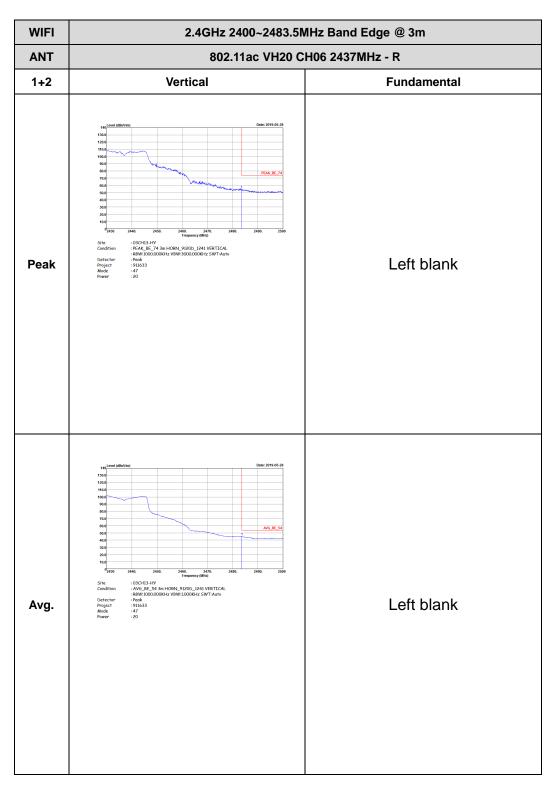
TEL: 886-3-327-3456 Page Number : C3-20 of 49





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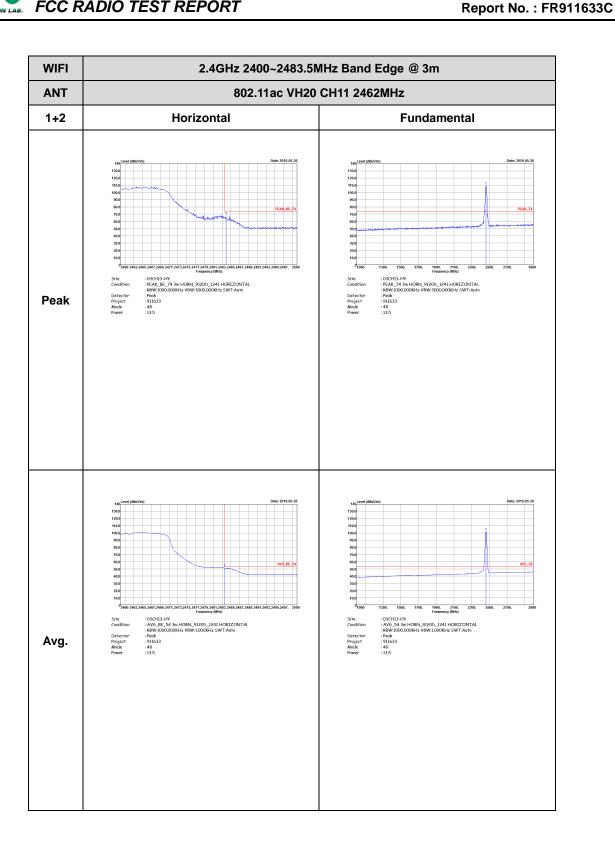
FCC RADIO TEST REPORT



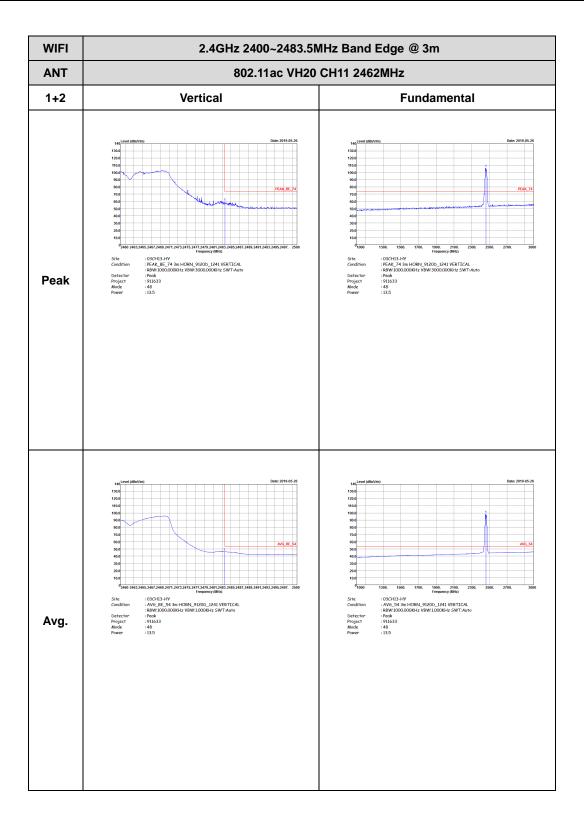
Report No.: FR911633C

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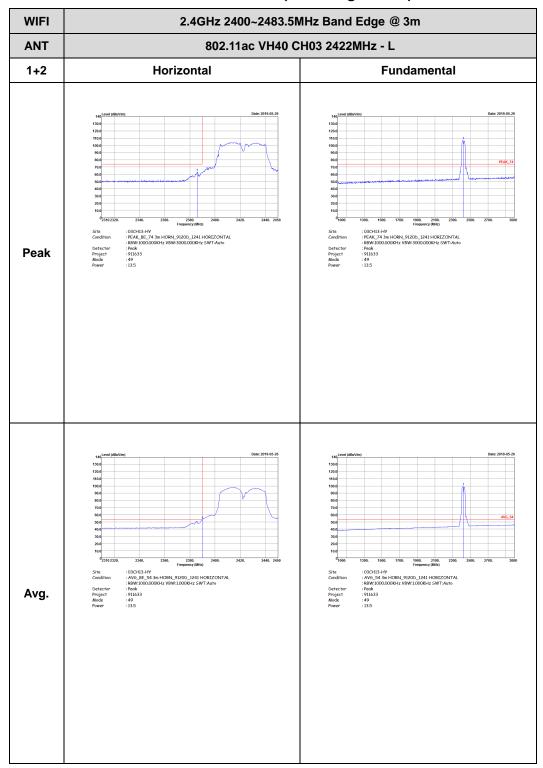


TEL: 886-3-327-3456 Page Number : C3-24 of 49

2.4GHz 2400~2483.5MHz

Report No.: FR911633C

WIFI 802.11ac VHT40 (Band Edge @ 3m)



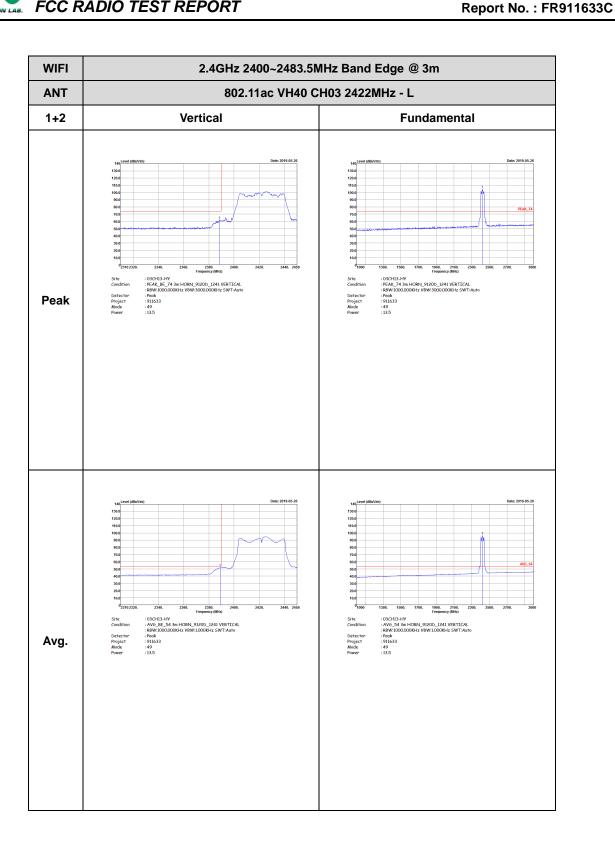
TEL: 886-3-327-3456 Page Number : C3-25 of 49

WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11ac VH40 CH03 2422MHz - R 1+2 Horizontal **Fundamental** Left blank Peak Left blank Avg.

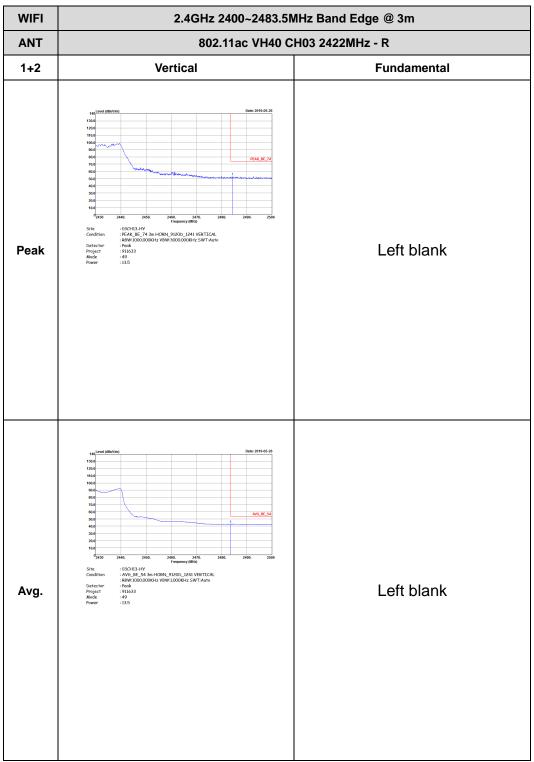
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : C3-26 of 49 FAX: 886-3-328-4978

SPORTON LAB. FCC RADIO TEST REPORT

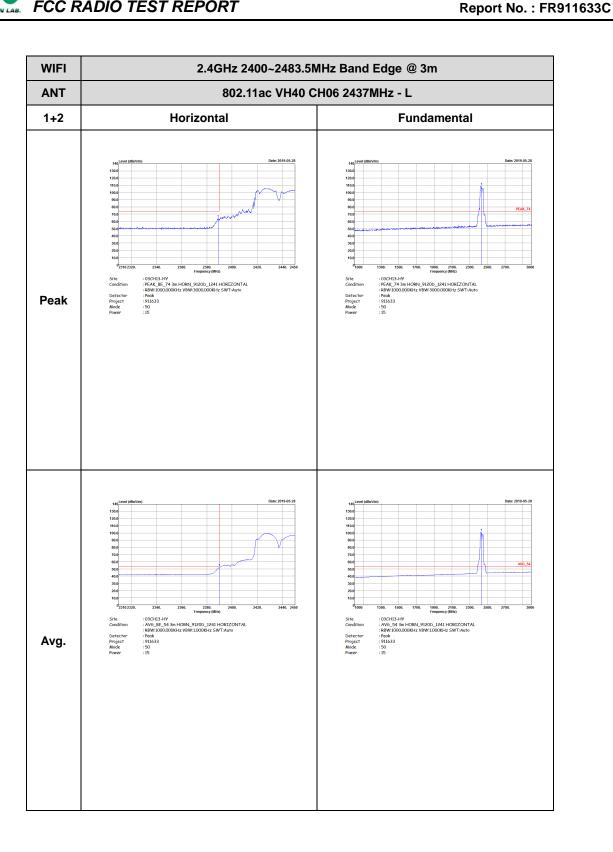


TEL: 886-3-327-3456 Page Number : C3-27 of 49

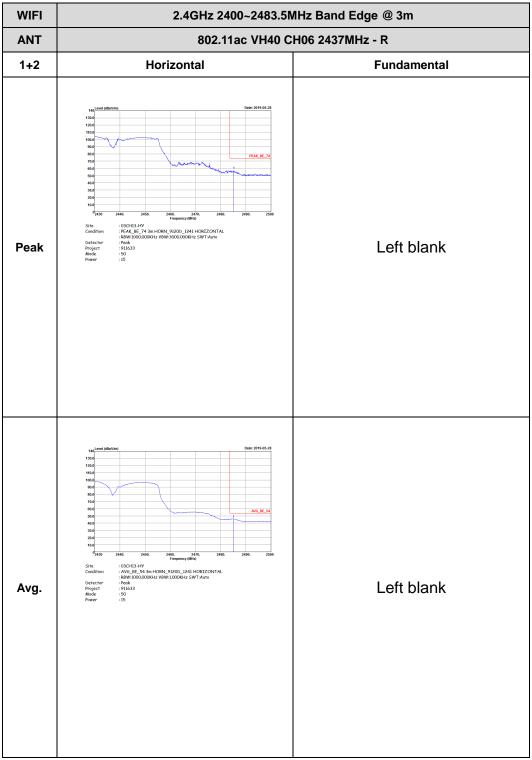


TEL: 886-3-327-3456 Page Number : C3-28 of 49

FCC RADIO TEST REPORT

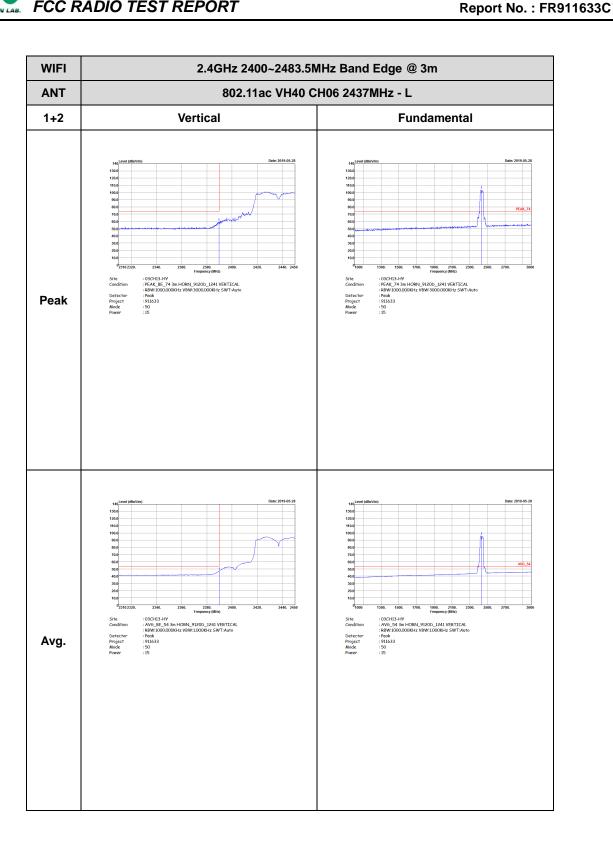


TEL: 886-3-327-3456 Page Number : C3-29 of 49

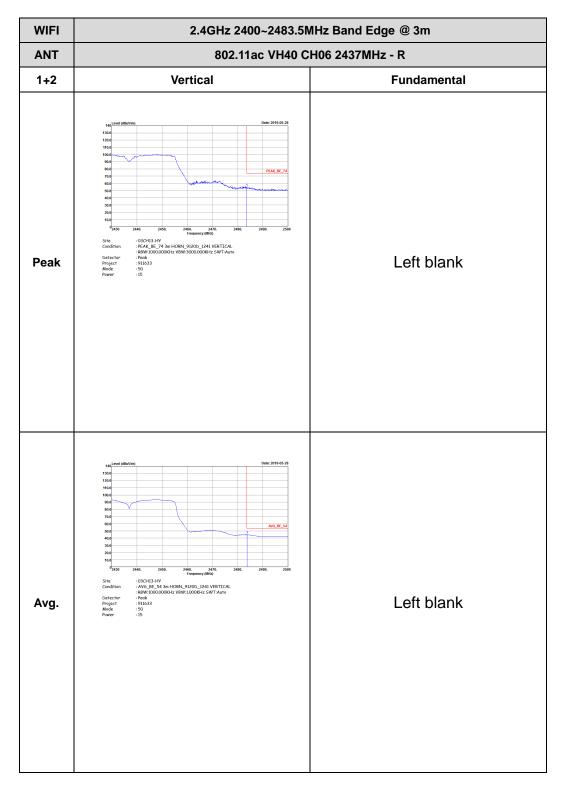


TEL: 886-3-327-3456 Page Number : C3-30 of 49

FCC RADIO TEST REPORT

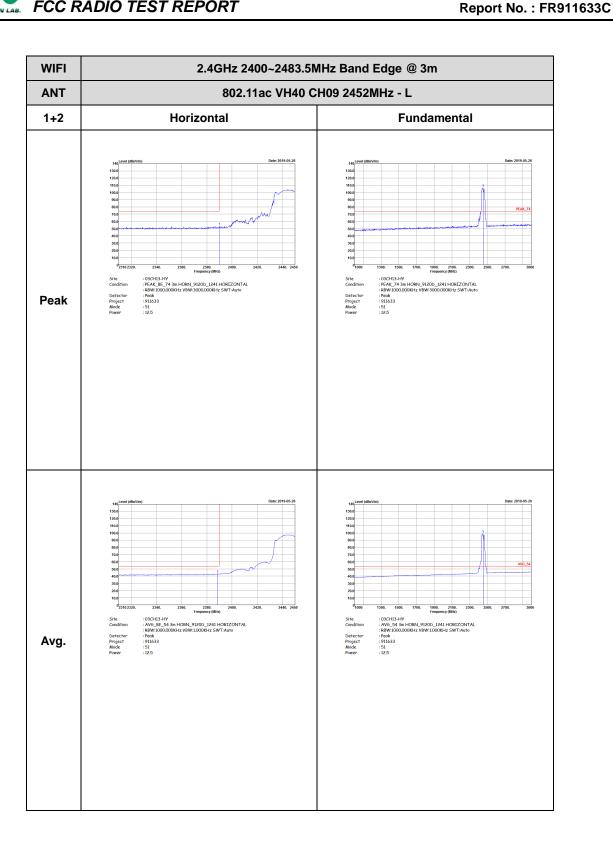


TEL: 886-3-327-3456 Page Number : C3-31 of 49

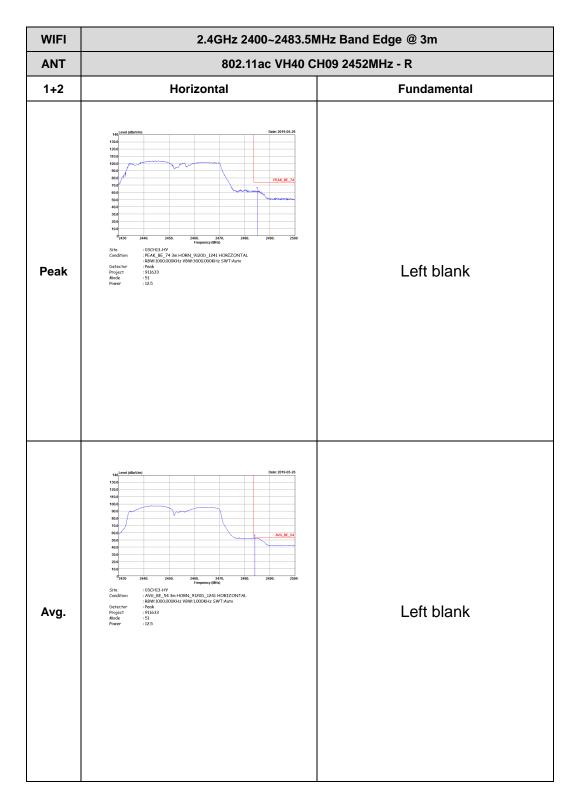


TEL: 886-3-327-3456 Page Number : C3-32 of 49



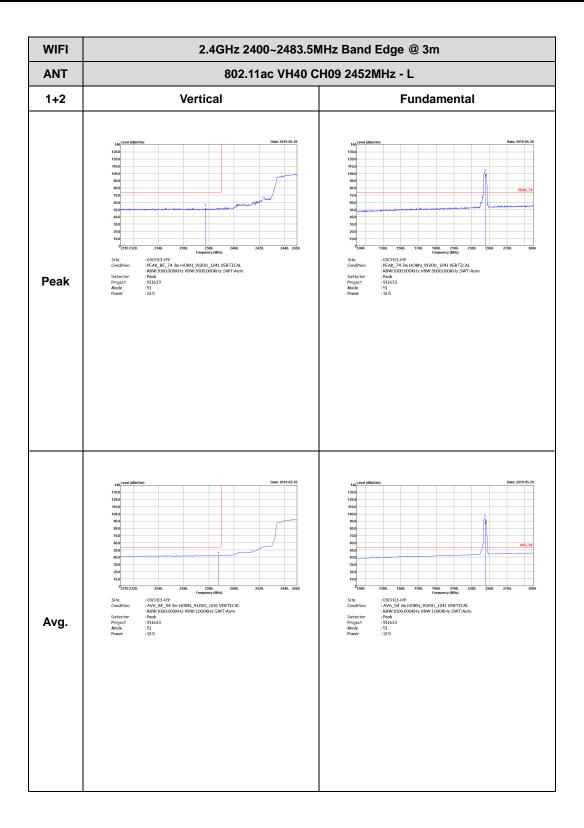


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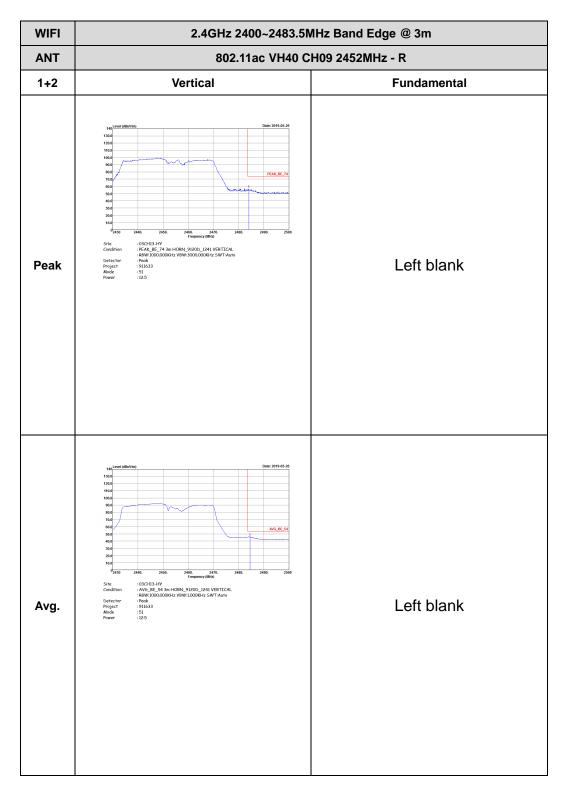
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TEL: 886-3-327-3456 Page Number : C3-35 of 49

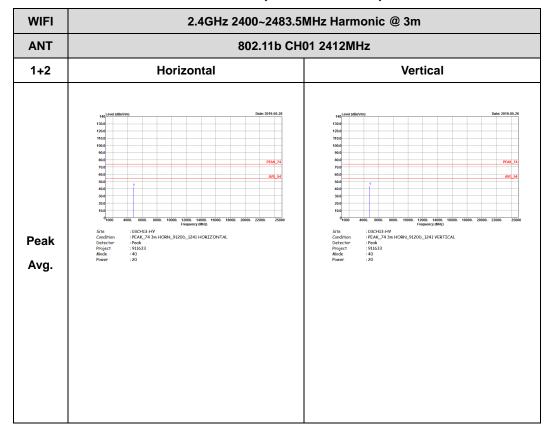


TEL: 886-3-327-3456 Page Number : C3-36 of 49

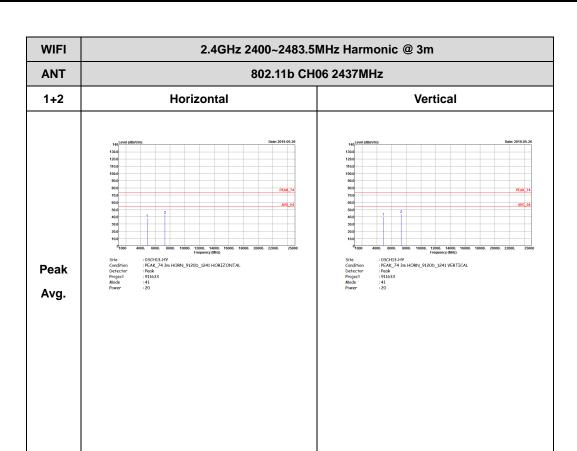
2.4GHz 2400~2483.5MHz

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WIFI 802.11b (Harmonic @ 3m)



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TEL: 886-3-327-3456 Page Number : C3-38 of 49

Peak
Avg.

Avg.

#

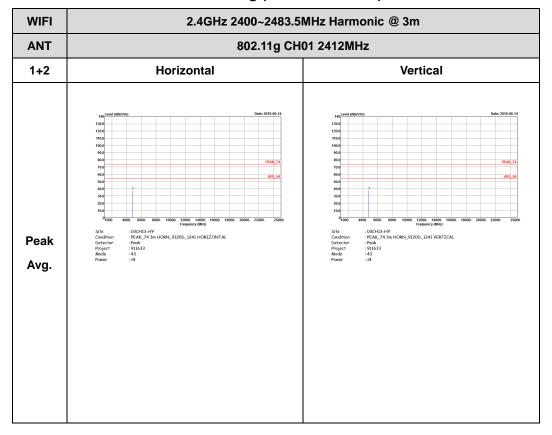
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : C3-39 of 49

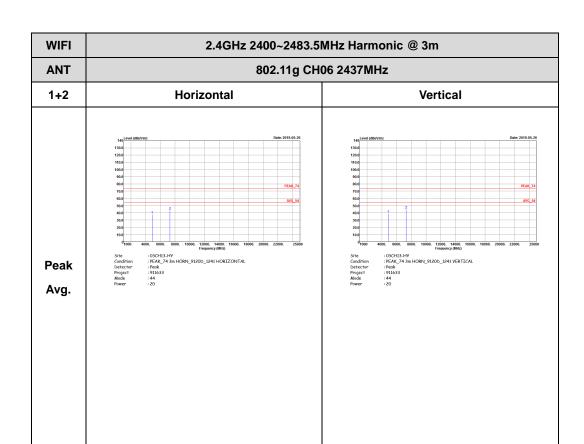
2.4GHz 2400~2483.5MHz

Report No.: FR911633C

WIFI 802.11g (Harmonic @ 3m)



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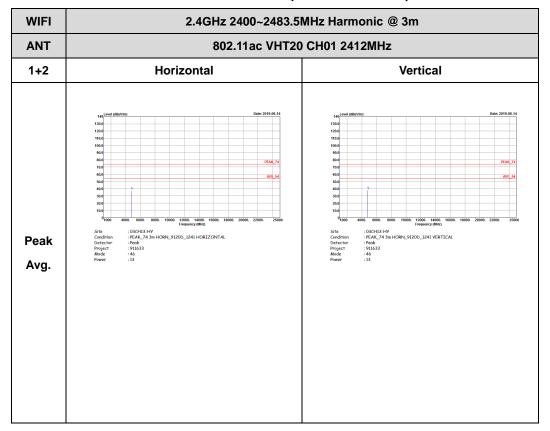
Report No.: FR911633C

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2.4GHz 2400~2483.5MHz

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WIFI 802.11ac VHT20 (Harmonic @ 3m)



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Peak
Avg.

2.4GHz 2400~2483.5MHz Harmonic @ 3m

802.11ac VHT20 CH06 2437MHz

1+2

Horizontal

Vertical

Condition*

Condition

Condition

Condition

***Condition**

Condition

***Condition**

***Condition**

***Condition**

***Condition**

***Condition**

***Condition**

***Condition**

**C

Report No.: FR911633C

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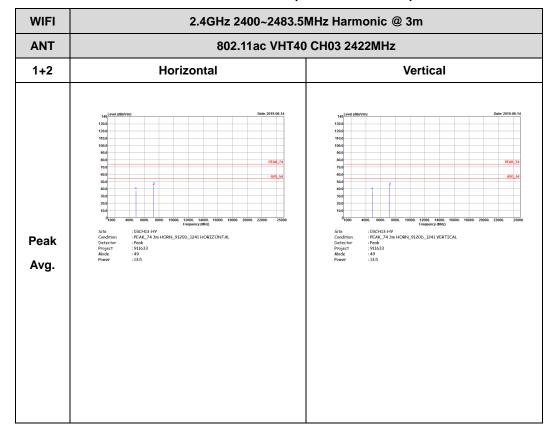
Report No.: FR911633C

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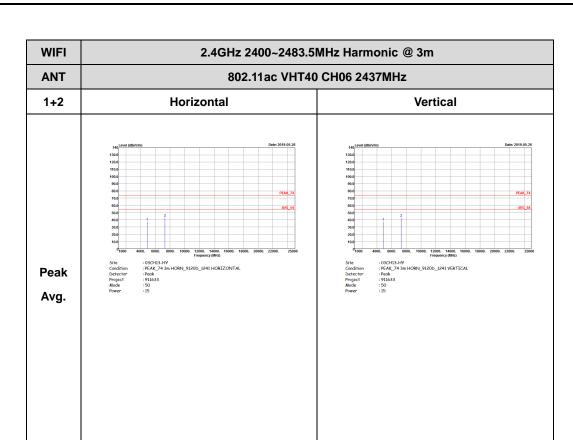
2.4GHz 2400~2483.5MHz

Report No.: FR911633C

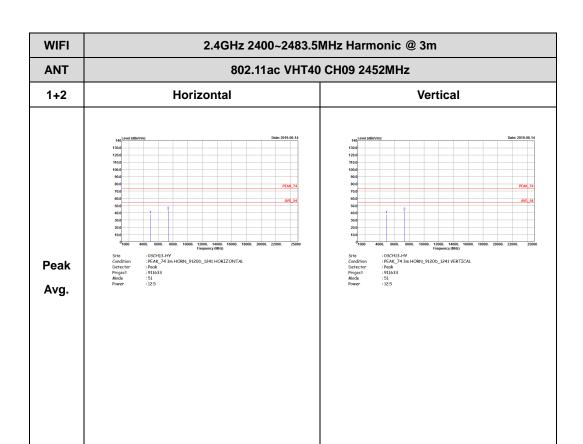
WIFI 802.11ac VHT40 (Harmonic @ 3m)



TEL: 886-3-327-3456 Page Number: C3-46 of 49



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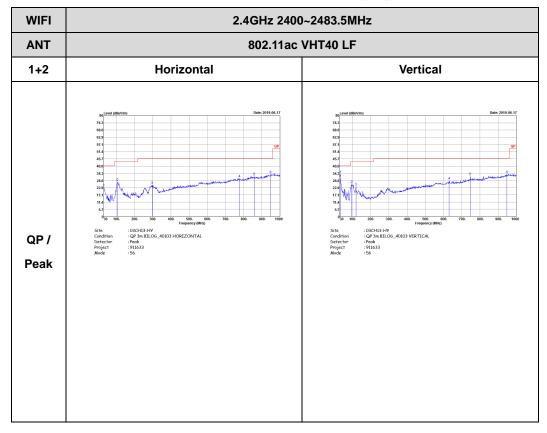


TEL: 886-3-327-3456 Page Number : C3-48 of 49

Emission below 1GHz

Report No.: FR911633C

2.4GHz WIFI 802.11ac VHT40 (LF)



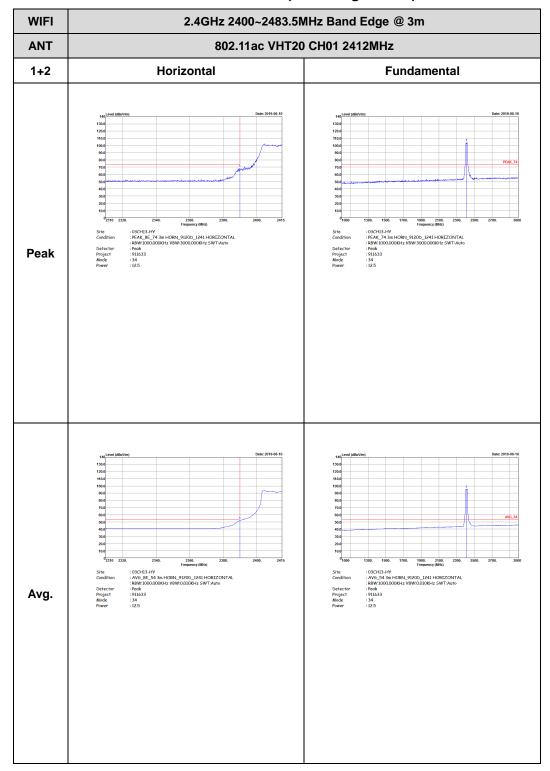
TEL: 886-3-327-3456 Page Number : C3-49 of 49

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Report No.: FR911633C

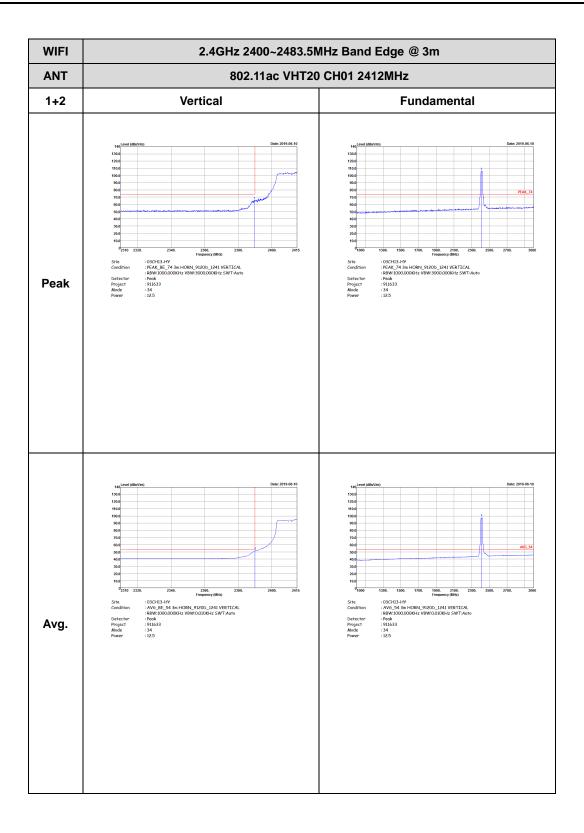
2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)



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WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11ac VHT20 CH06 2437MHz - L ANT 1+2 Horizontal **Fundamental** Peak Avg.

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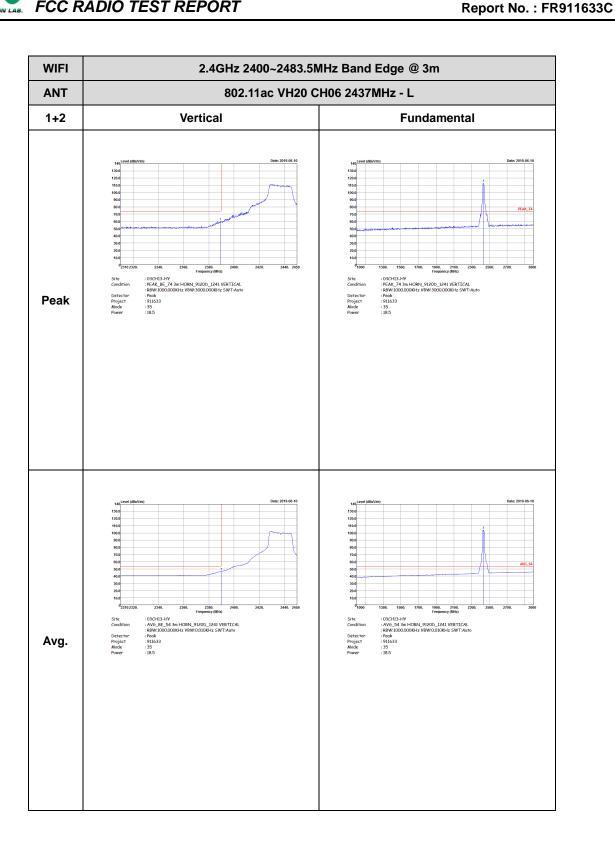


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11ac VH20 CH06 2437MHz - R 1+2 Horizontal **Fundamental** Left blank Peak Left blank Avg.

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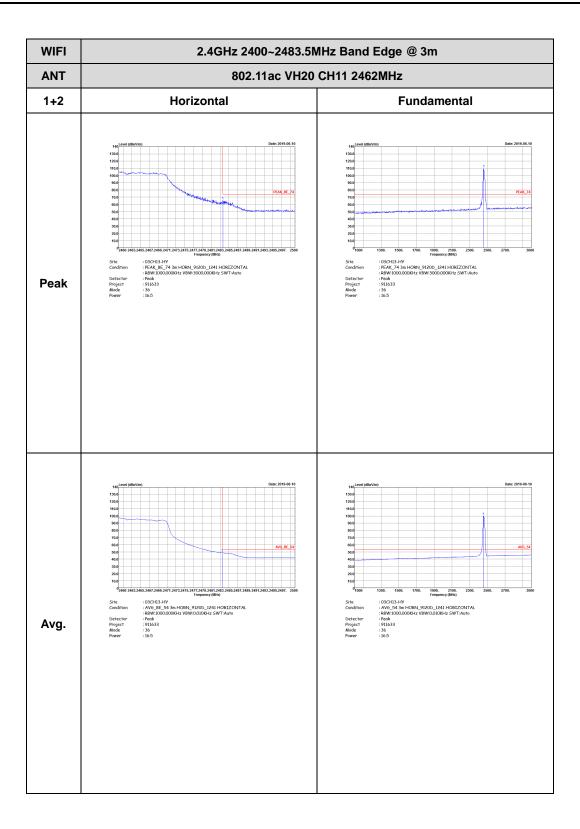


WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11ac VH20 CH06 2437MHz - R 1+2 Vertical **Fundamental** Left blank Peak Left blank Avg.

Report No.: FR911633C

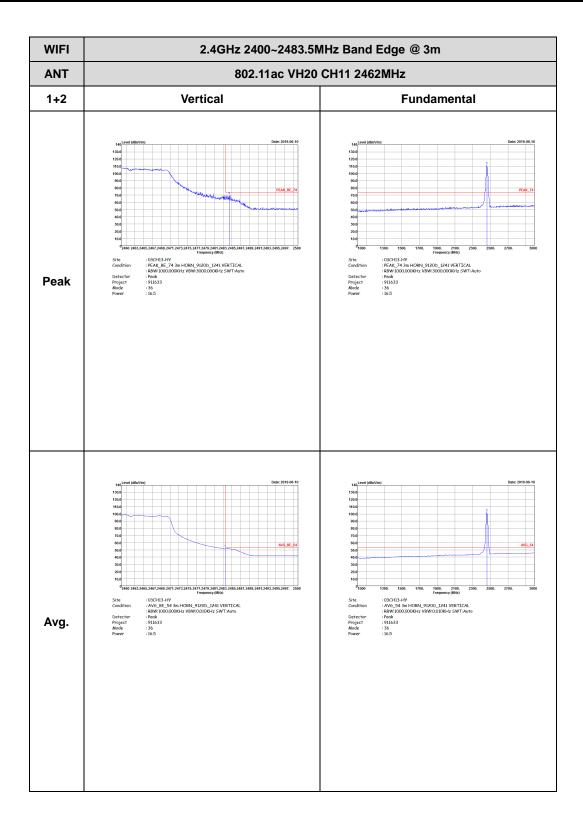
TEL: 886-3-327-3456 Page Number: C4-6 of 27

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TEL: 886-3-327-3456 Page Number: C4-7 of 27

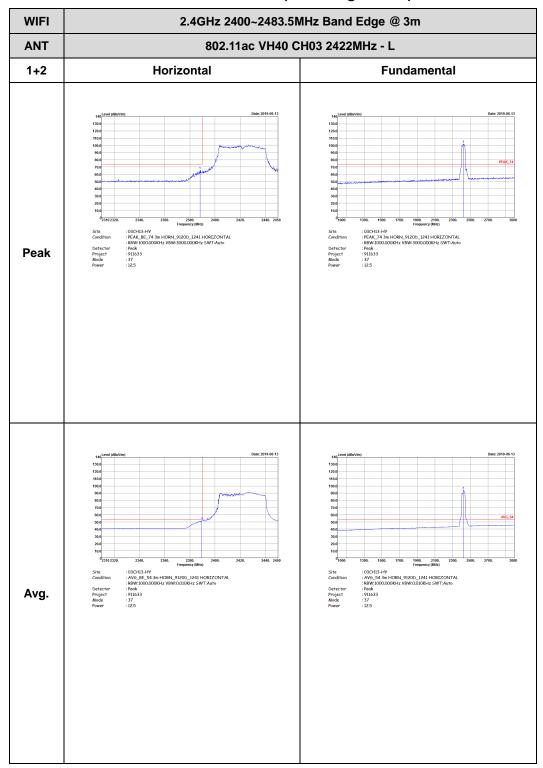


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2.4GHz 2400~2483.5MHz

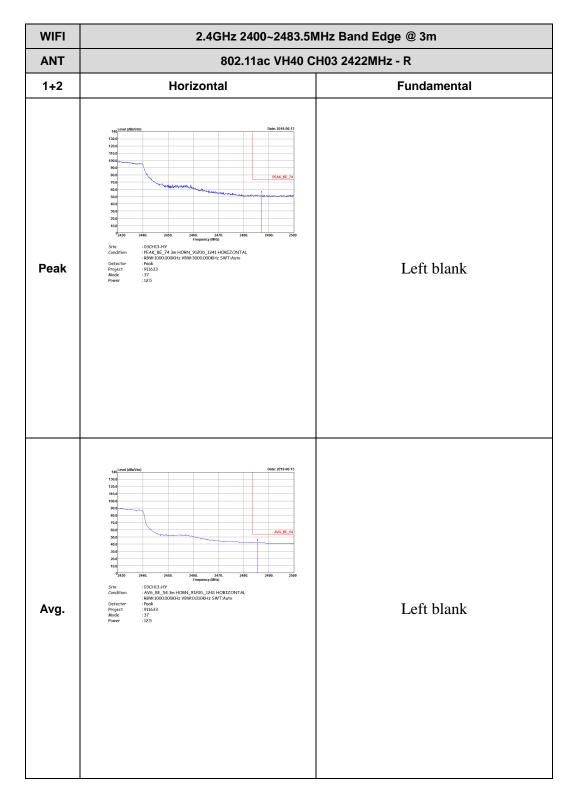
Report No.: FR911633C

WIFI 802.11ac VHT40 (Band Edge @ 3m)



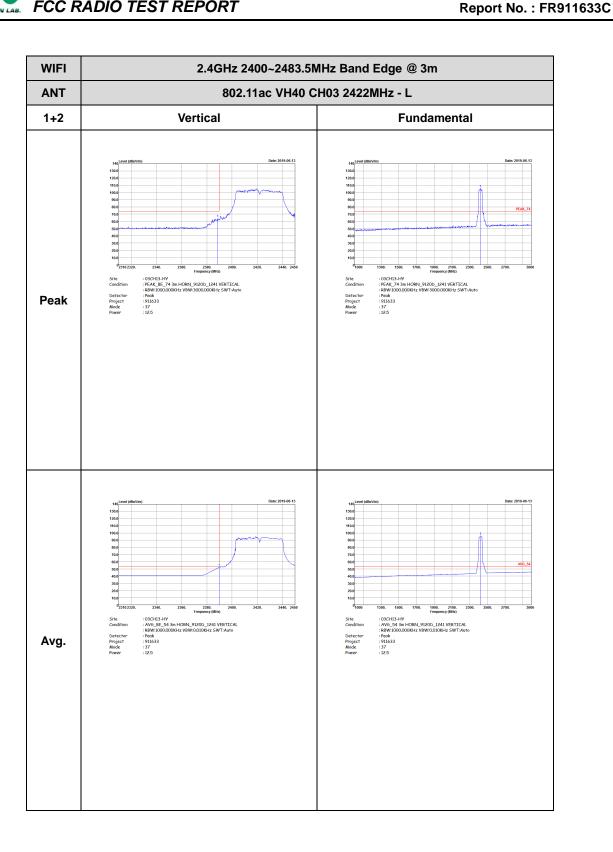
TEL: 886-3-327-3456 Page Number: C4-9 of 27





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FCC RADIO TEST REPORT



TEL: 886-3-327-3456 Page Number : C4-11 of 27

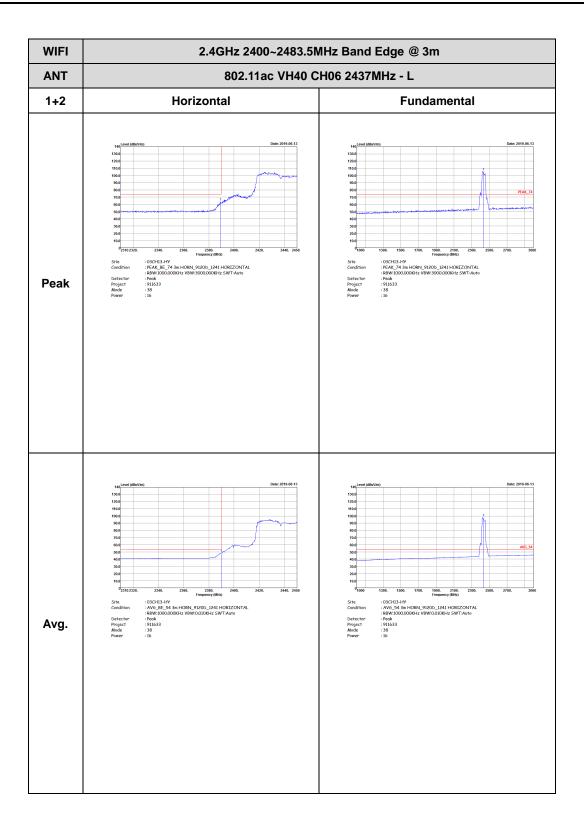
WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m $\,$ ANT 802.11ac VH40 CH03 2422MHz - R

Report No. : FR911633C

1+2	Vertical	Fundamental		
Peak	140 Level (distultion) 120 140 1	Left blank		
Avg.	150 150	Left blank		

Page Number TEL: 886-3-327-3456 : C4-12 of 27





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Avg.

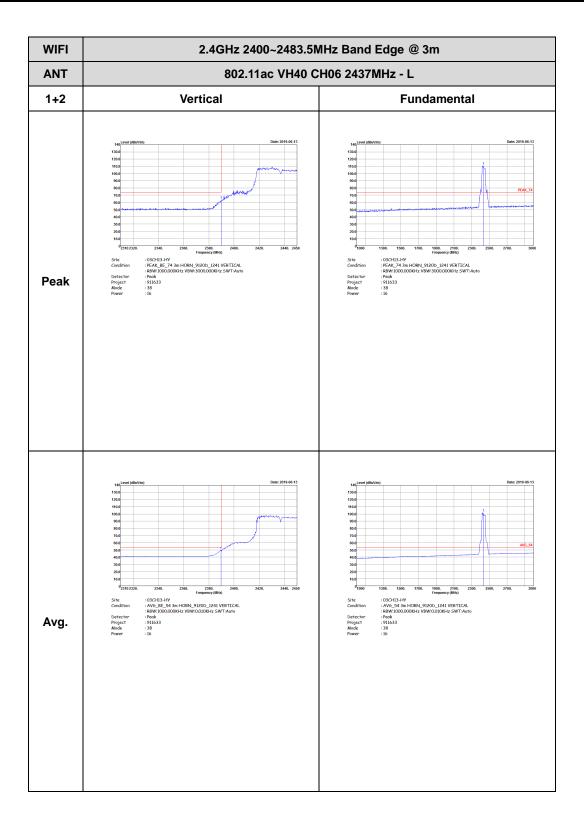
WIFI 2.4GHz 2400~2483.5MHz Band Edge @ 3m ANT 802.11ac VH40 CH06 2437MHz - R 1+2 Horizontal **Fundamental** Left blank Peak

Left blank

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TEL: 886-3-327-3456 Page Number : C4-14 of 27 FAX: 886-3-328-4978

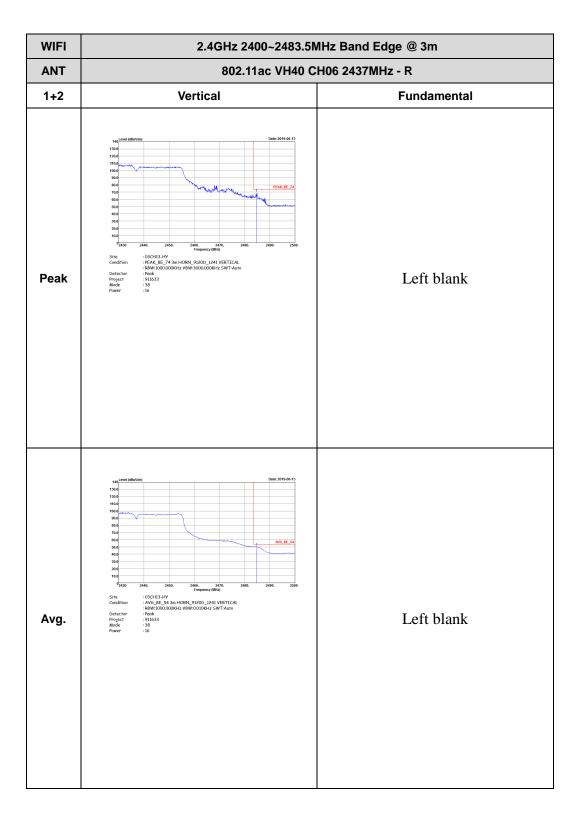
FCC RADIO TEST REPORT



Report No.: FR911633C

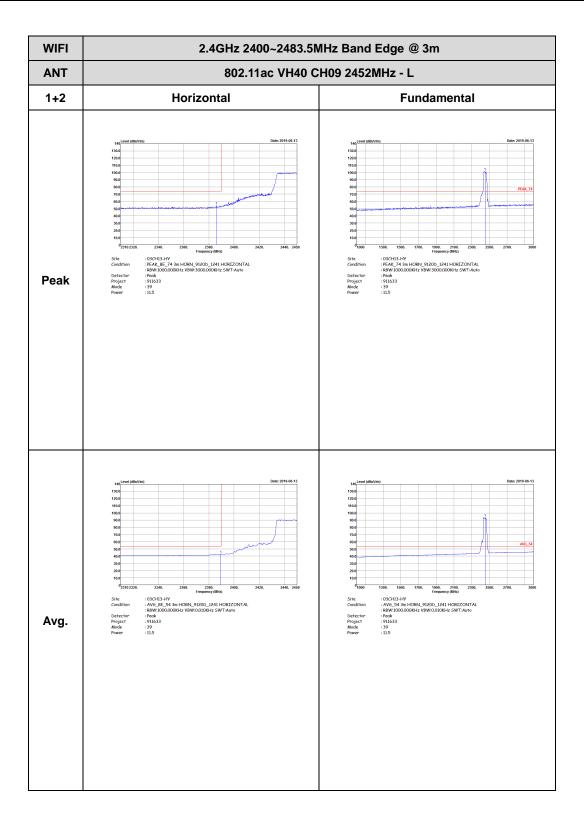
TEL: 886-3-327-3456 Page Number : C4-15 of 27





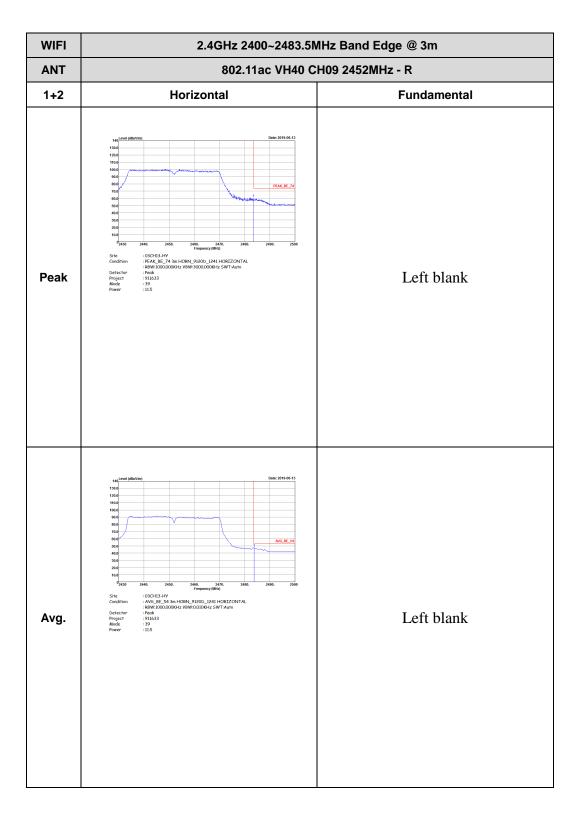
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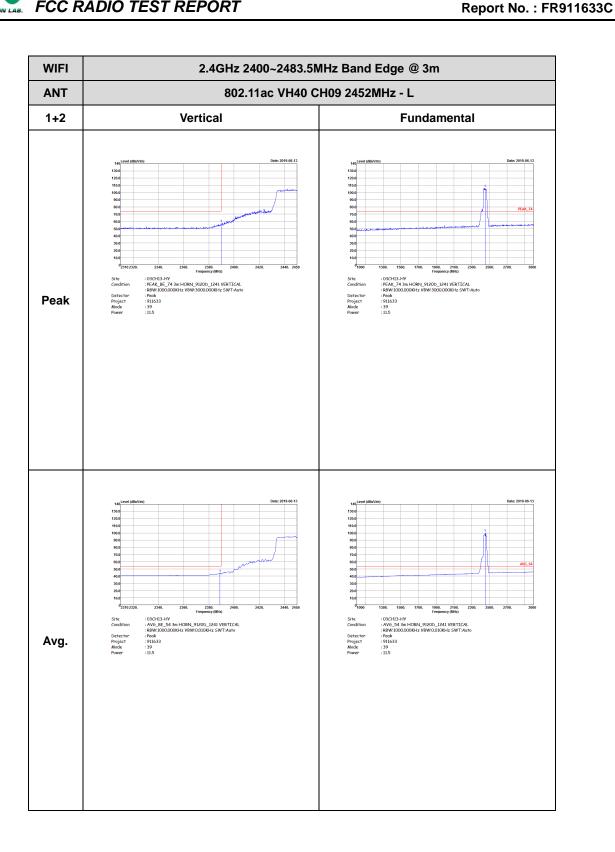
TEL: 886-3-327-3456 Page Number: C4-17 of 27





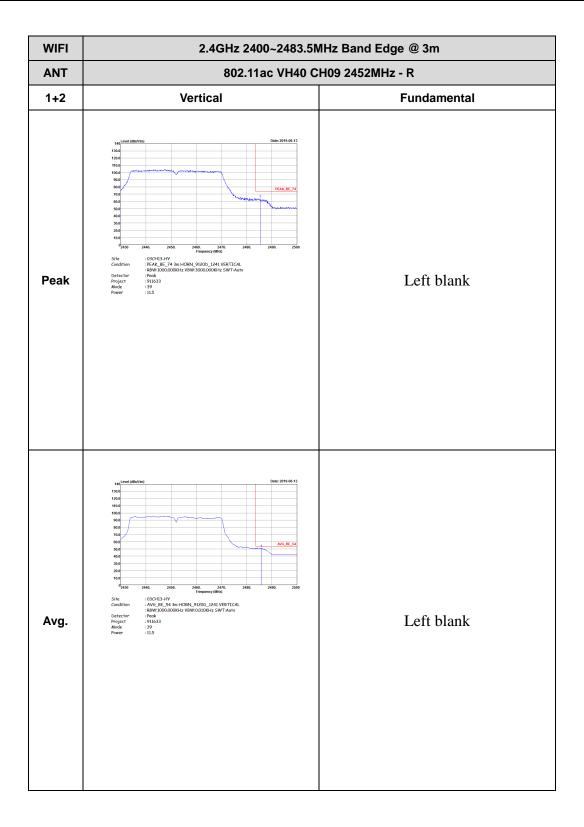
TEL: 886-3-327-3456 Page Number: C4-18 of 27





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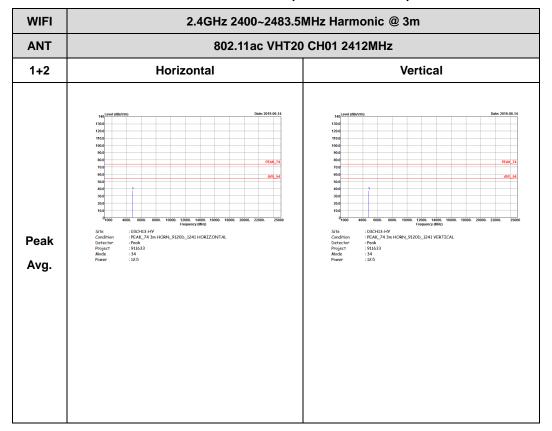


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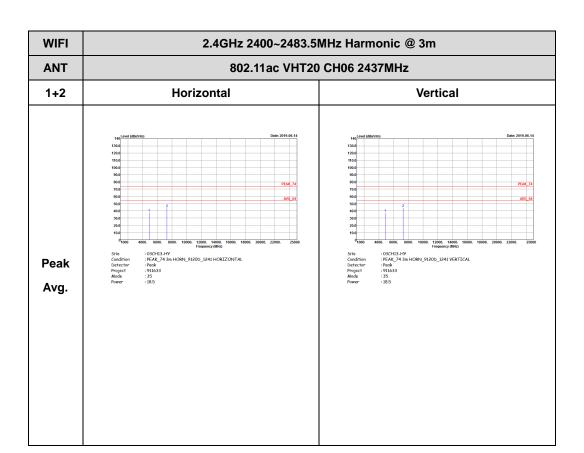
2.4GHz 2400~2483.5MHz

Report No.: FR911633C

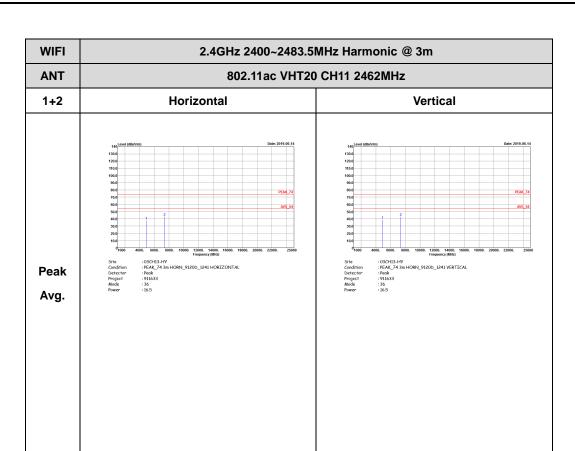
WIFI 802.11ac VHT20 (Harmonic @ 3m)



TEL: 886-3-327-3456 Page Number: C4-21 of 27



TEL: 886-3-327-3456 Page Number : C4-22 of 27

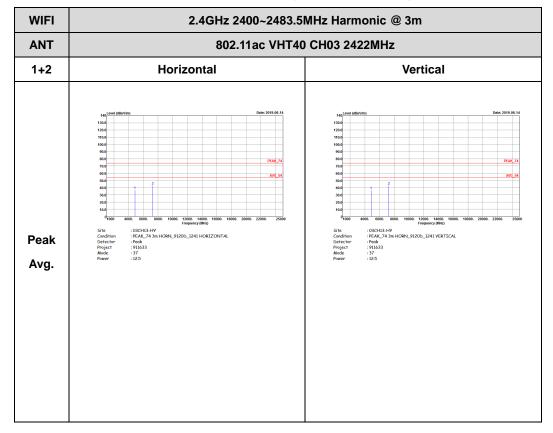


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2.4GHz 2400~2483.5MHz

Report No.: FR911633C

WIFI 802.11ac VHT40 (Harmonic @ 3m)



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Peak
Avg.

Avg.

#

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WIFI

2.4GHz 2400~2483.5MHz Harmonic @ 3m

802.11ac VHT40 CH09 2452MHz

1+2

Horizontal

Vertical

Vertical

Peak
Avg.

Peak
Avg.

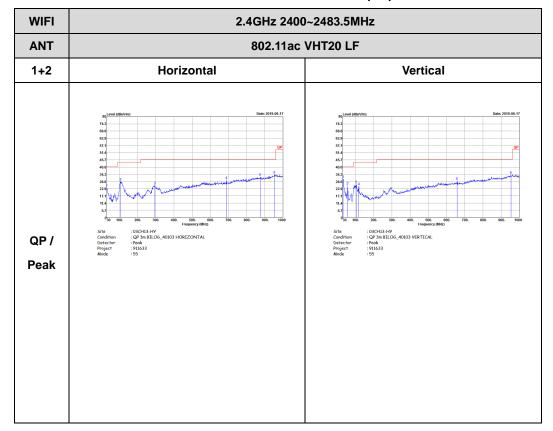
Report No.: FR911633C

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Emission below 1GHz

Report No.: FR911633C

2.4GHz WIFI 802.11ac VHT20 (LF)



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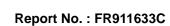


Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11b	99.26	-	-	10Hz	0.03
2	802.11b	99.28	-	-	10Hz	0.03
1+2	802.11b for Ant 1	99.07	ı	-	10Hz	0.04
1+2	802.11b for Ant 2	98.71	-	-	10Hz	0.06
1	802.11g	95.26	2070	0.48	1kHz	0.21
2	802.11g	95.26	2073	0.48	1kHz	0.21
1+2	802.11g for Ant 1	95.33	2078	0.48	1kHz	0.21
1+2	802.11g for Ant 2	95.62	2075	0.48	1kHz	0.19
1	2.4GHz 802.11n HT20	95.22	1930	0.52	1kHz	0.21
2	2.4GHz 802.11n HT20	95.32	2030	0.49	1kHz	0.21
1+2	2.4GHz 802.11n HT20 for Ant 1	95.32	1935	0.52	1kHz	0.21
1+2	2.4GHz 802.11n HT20 for Ant 2	94.69	1927	0.52	1kHz	0.24
1	2.4GHz 802.11n HT40	94.31	1546	0.65	1kHz	0.25
2	2.4GHz 802.11n HT40	94.49	1546	0.65	1kHz	0.25
1+2	2.4GHz 802.11n HT40 for Ant 1	94.78	1549	0.65	1kHz	0.23
1+2	2.4GHz 802.11n HT40 for Ant 2	94.31	1547	0.65	1kHz	0.25
1	2.4GHz 802.11ac20	95.34	1945	0.51	1kHz	0.21
2	2.4GHz 802.11ac20	94.58	1937	0.52	1kHz	0.24
1+2	2.4GHz 802.11ac20 for Ant 1	95.34	1943	0.51	1kHz	0.21
1+2	2.4GHz 802.11ac20 for Ant 2	95.19	1942	0.51	1kHz	0.21
1	2.4GHz 802.11ac40	94.50	1548	0.65	1kHz	0.25
2	2.4GHz 802.11ac40	94.29	1551	0.64	1kHz	0.26
1+2	2.4GHz 802.11ac40 for Ant 1	94.05	1551	0.64	1kHz	0.27
1+2	2.4GHz 802.11ac40 for Ant 2	94.11	1551	0.64	1kHz	0.26

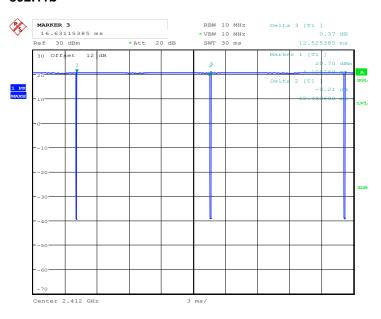
Report No.: FR911633C

TEL: 886-3-327-3456 Page Number : D-1 of 13



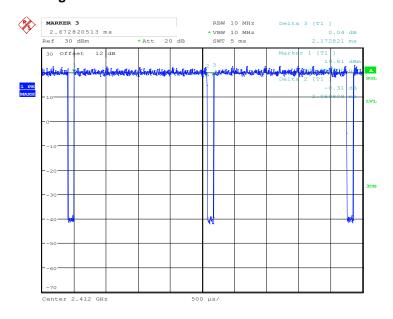
<Ant. 1>

802.11b



Date: 24.MAY.2019 00:36:15

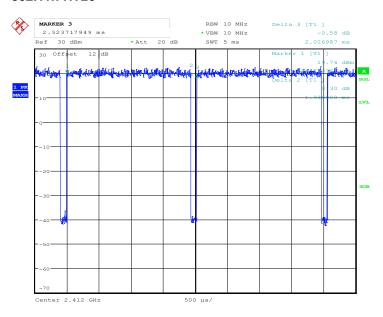
802.11g



Date: 24.MAY.2019 00:43:29

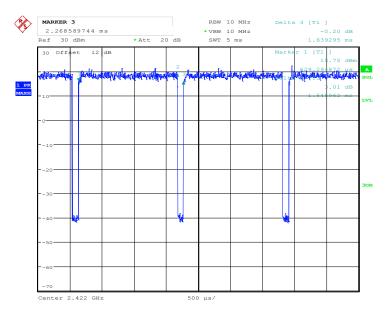
TEL: 886-3-327-3456 Page Number : D-2 of 13

802.11n HT20



Date: 24.MAY.2019 00:52:10

802.11n HT40

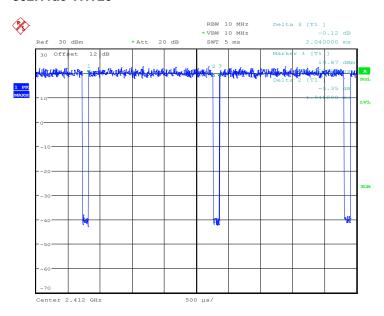


Date: 24.MAY.2019 20:56:04

TEL: 886-3-327-3456 Page Number : D-3 of 13



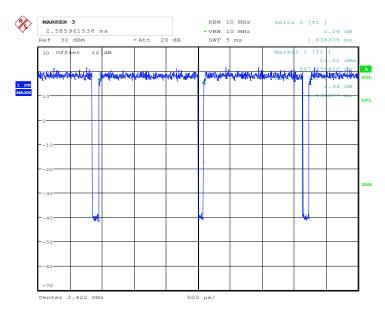
802.11ac VHT20



Report No.: FR911633C

Date: 24.MAY.2019 01:02:20

802.11ac VHT40



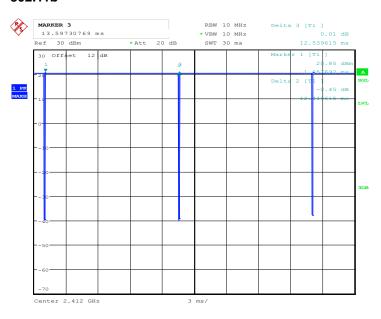
Date: 24.MAY.2019 21:00:37

TEL: 886-3-327-3456 Page Number : D-4 of 13



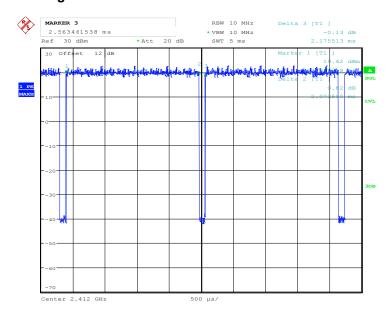
<Ant. 2>

802.11b



Date: 24.MAY.2019 00:37:59

802.11g

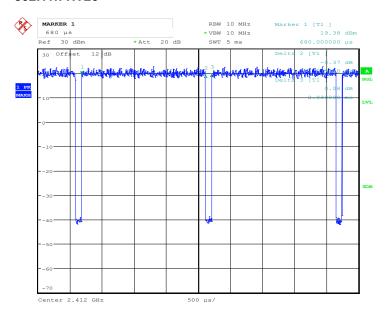


Date: 24.MAY.2019 00:44:53

TEL: 886-3-327-3456 Page Number : D-5 of 13

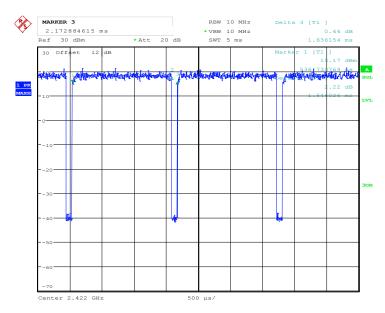
FCC RADIO TEST REPORT Report No. : FR911633C

802.11n HT20



Date: 24.MAY.2019 00:51:19

802.11n HT40

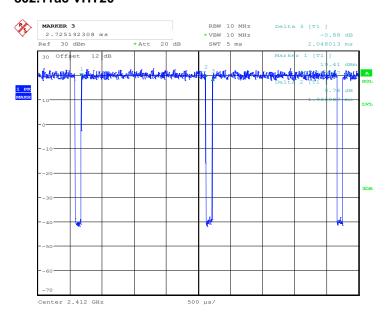


Date: 24.MAY.2019 20:56:51

TEL: 886-3-327-3456 Page Number : D-6 of 13



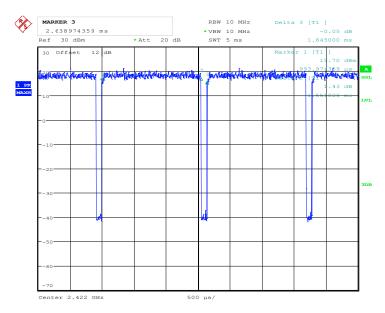
802.11ac VHT20



Report No.: FR911633C

Date: 24.MAY.2019 01:03:25

802.11ac VHT40



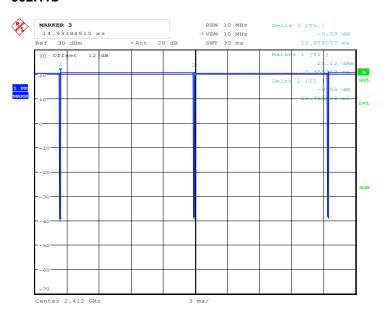
Date: 24.MAY.2019 21:01:15

TEL: 886-3-327-3456 Page Number : D-7 of 13



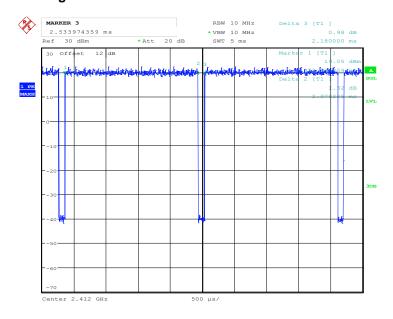
MIMO <Ant. 1>

802.11b



Date: 24.MAY.2019 00:40:10

802.11g

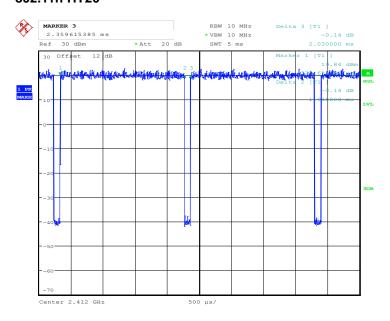


Date: 24.MAY.2019 00:46:20

TEL: 886-3-327-3456 Page Number : D-8 of 13



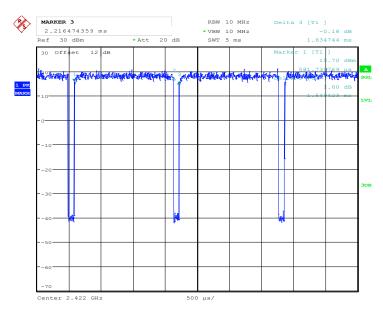
802.11n HT20



Report No.: FR911633C

Date: 24.MAY.2019 00:53:18

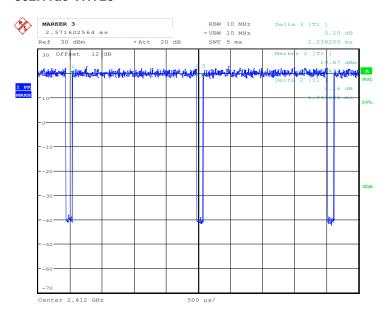
802.11n HT40



Date: 24.MAY.2019 20:58:19

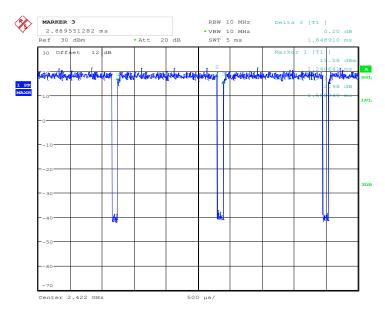
TEL: 886-3-327-3456 Page Number : D-9 of 13

802.11ac VHT20



Date: 24.MAY.2019 01:05:44

802.11ac VHT40



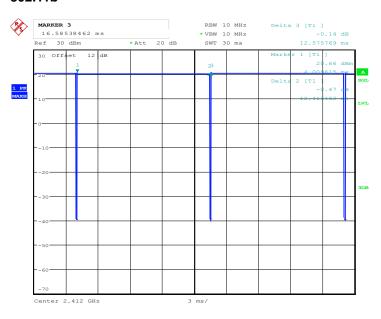
Date: 24.MAY.2019 21:02:21

TEL: 886-3-327-3456 Page Number : D-10 of 13



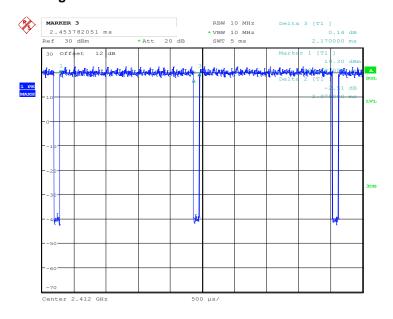
MIMO <Ant. 2>

802.11b



Date: 24.MAY.2019 00:41:26

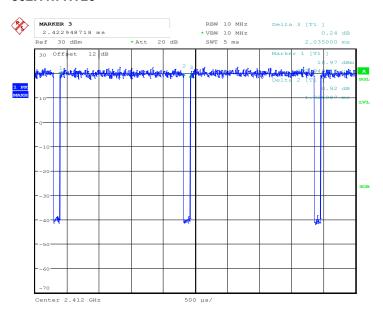
802.11g



Date: 24.MAY.2019 00:47:08

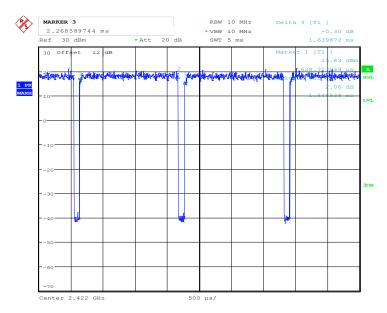
TEL: 886-3-327-3456 Page Number : D-11 of 13

802.11n HT20



Date: 24.MAY.2019 00:54:00

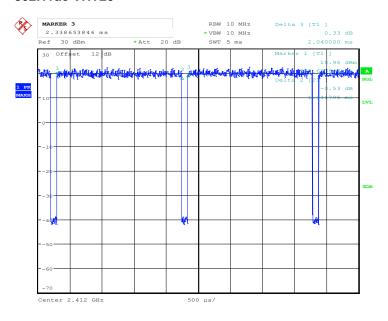
802.11n HT40



Date: 24.MAY.2019 20:59:04

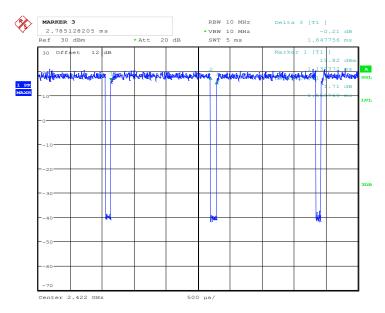
TEL: 886-3-327-3456 Page Number: D-12 of 13

802.11ac VHT20



Date: 24.MAY.2019 01:06:38

802.11ac VHT40



Date: 24.MAY.2019 21:03:01

TEL: 886-3-327-3456 Page Number : D-13 of 13