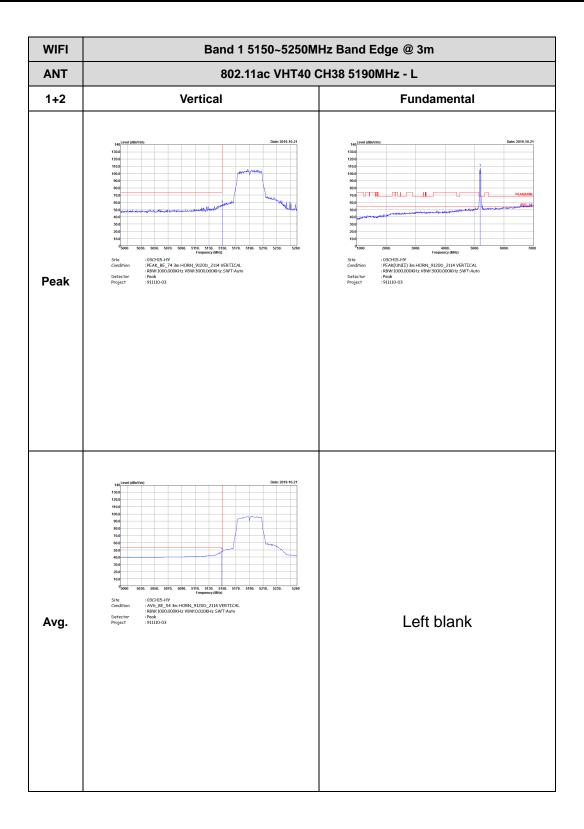


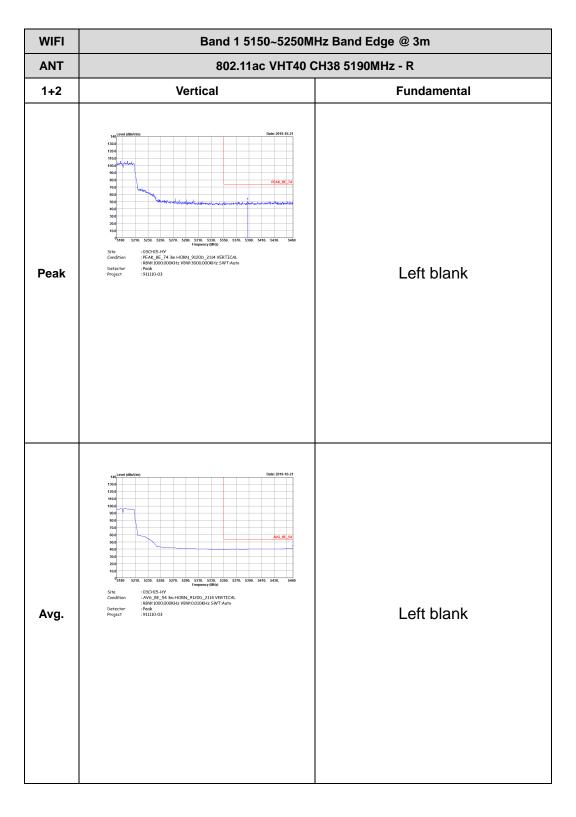
TEL: 886-3-327-3456 Page Number : B463 of B559



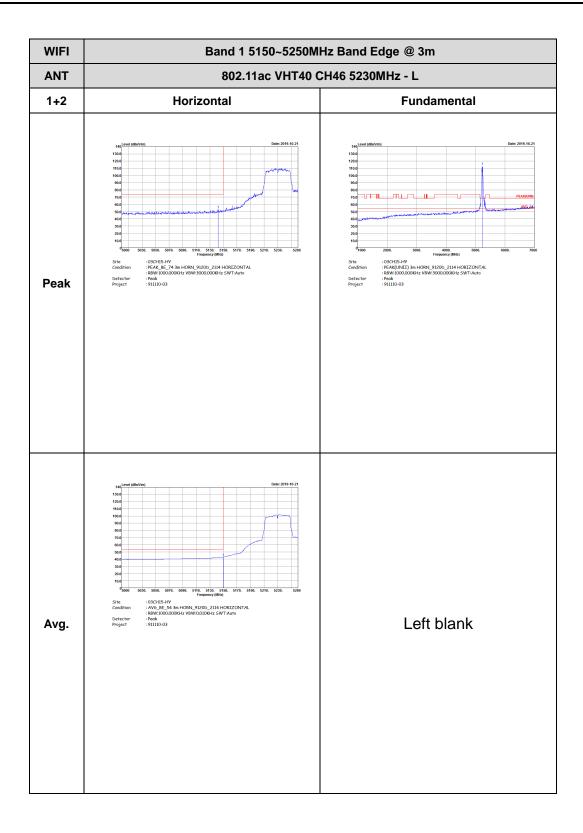


TEL: 886-3-327-3456 Page Number: B464 of B559



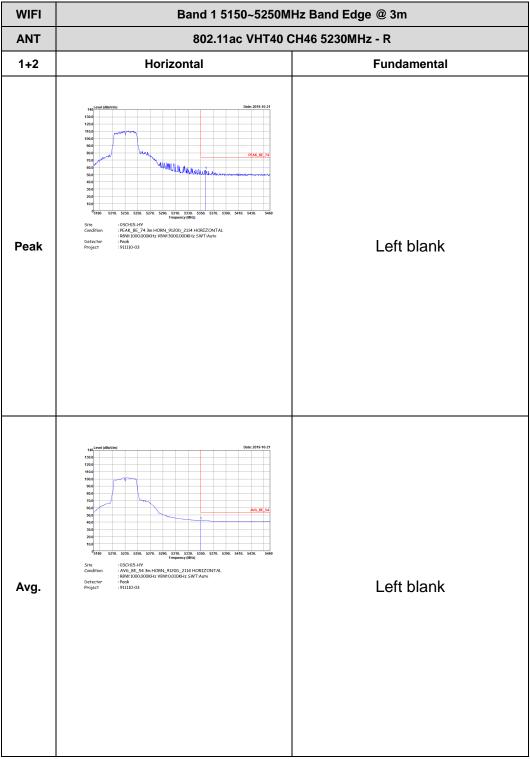


TEL: 886-3-327-3456 Page Number: B465 of B559



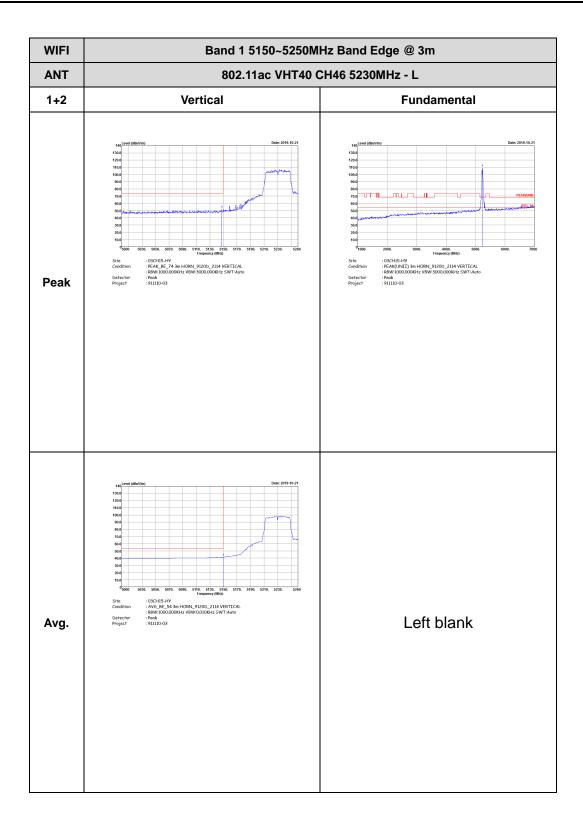
TEL: 886-3-327-3456 Page Number: B466 of B559



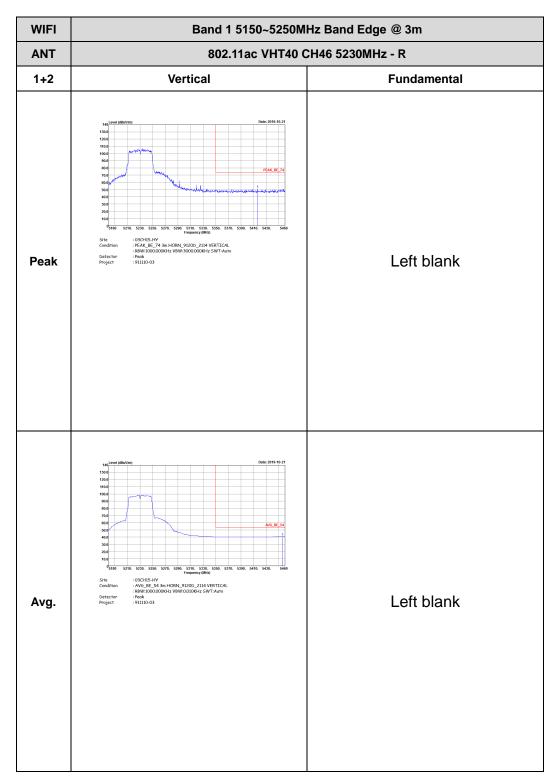


TEL: 886-3-327-3456 Page Number : B467 of B559





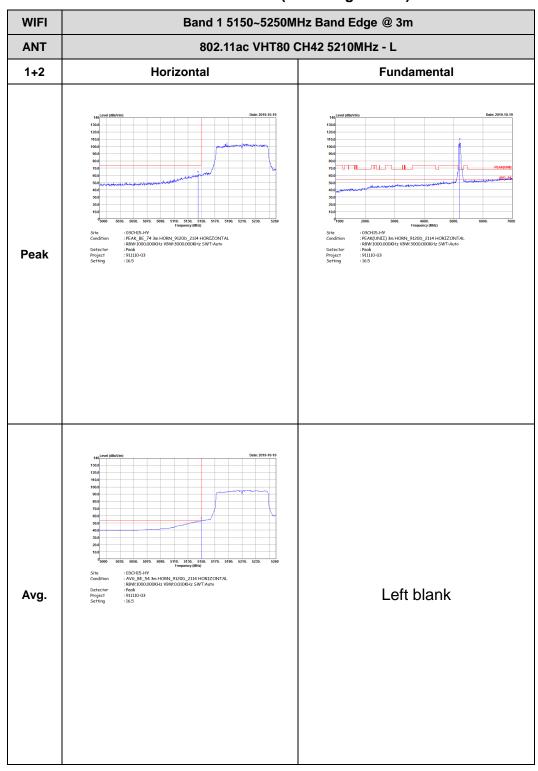
TEL: 886-3-327-3456 Page Number : B468 of B559



TEL: 886-3-327-3456 Page Number : B469 of B559

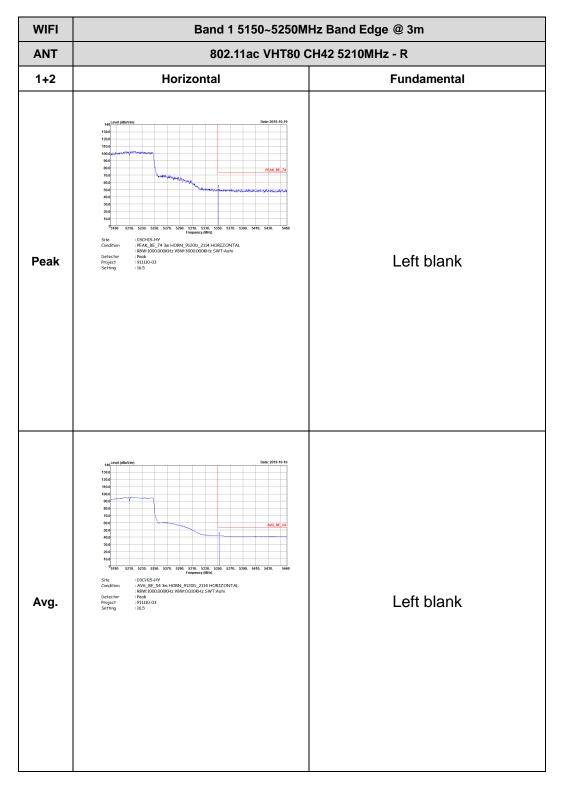
Band 1 5150~5250MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)

Report No.: FR911110-03D

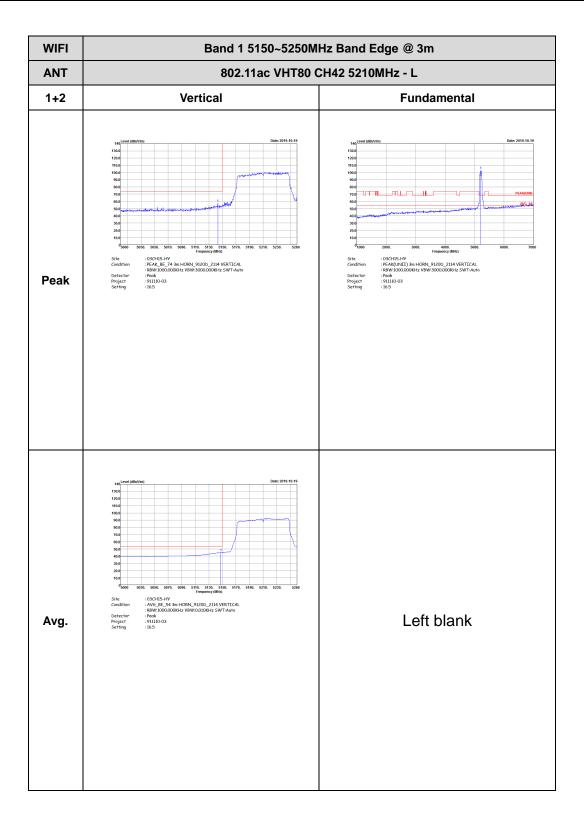


TEL: 886-3-327-3456 Page Number: B470 of B559

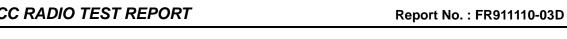


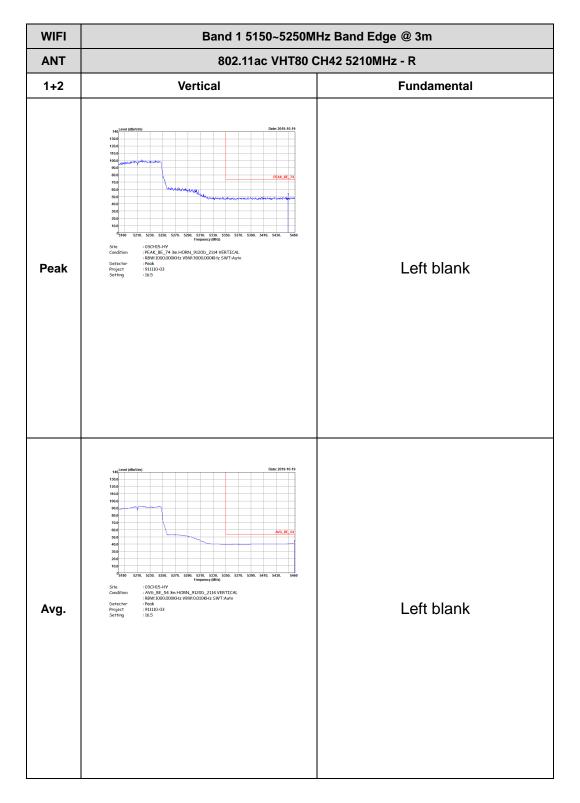


TEL: 886-3-327-3456 Page Number : B471 of B559



TEL: 886-3-327-3456 Page Number : B472 of B559



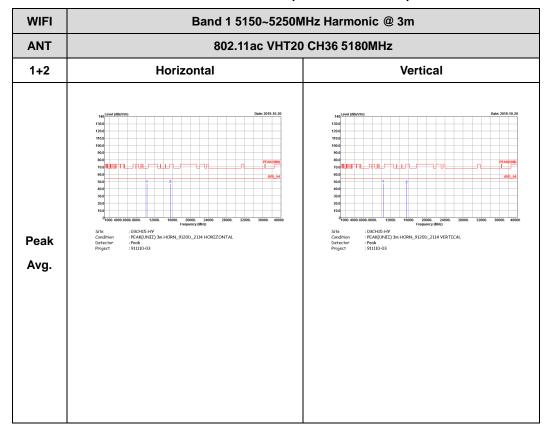


TEL: 886-3-327-3456 Page Number : B473 of B559

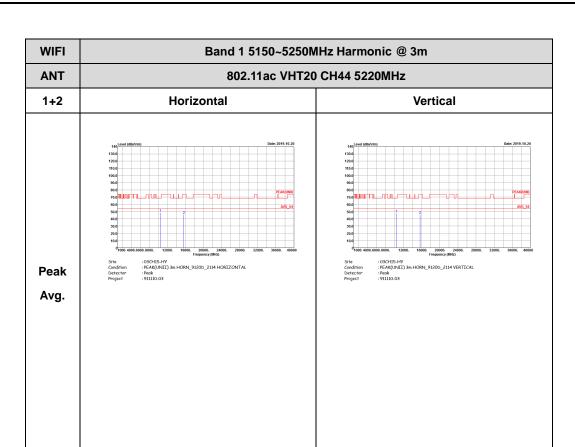
Band 1 - 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

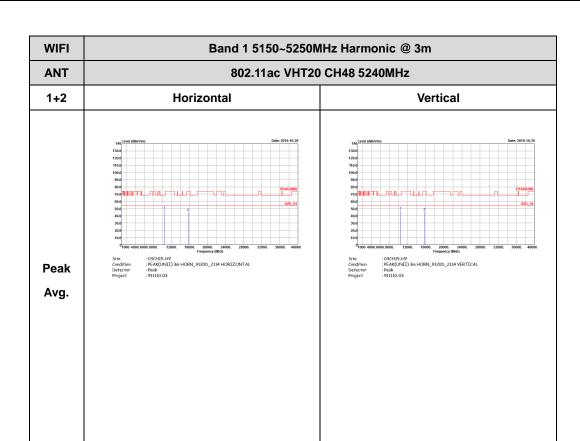
Report No. : FR911110-03D



TEL: 886-3-327-3456 Page Number: B474 of B559



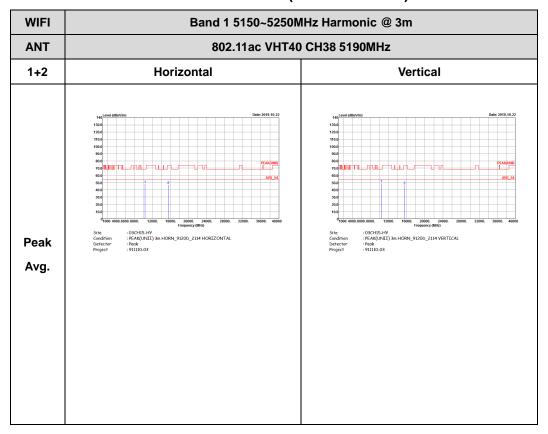
TEL: 886-3-327-3456 Page Number: B475 of B559



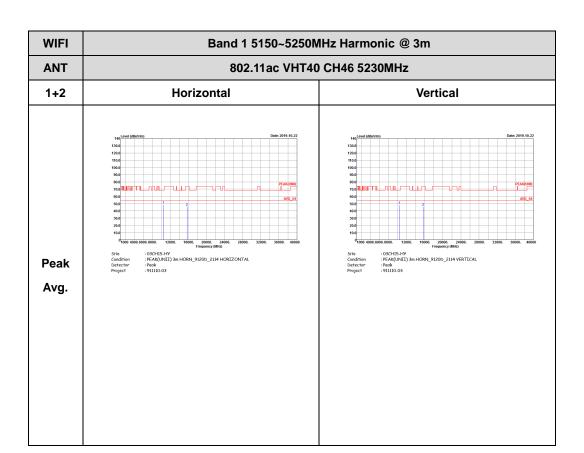
TEL: 886-3-327-3456 Page Number: B476 of B559

Band 1 5150~5250MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)

Report No. : FR911110-03D



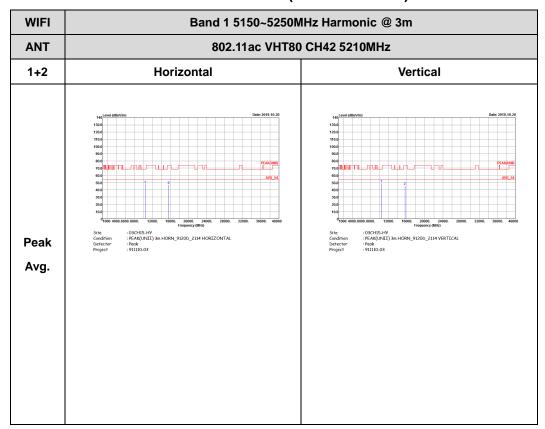
TEL: 886-3-327-3456 Page Number: B477 of B559



TEL: 886-3-327-3456 Page Number: B478 of B559

Band 1 5150~5250MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)

Report No. : FR911110-03D

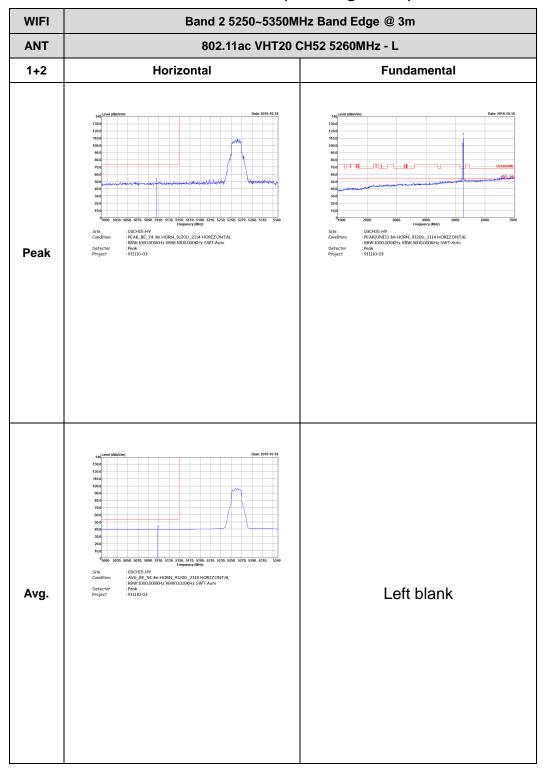


TEL: 886-3-327-3456 Page Number: B479 of B559

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

Report No. : FR911110-03D

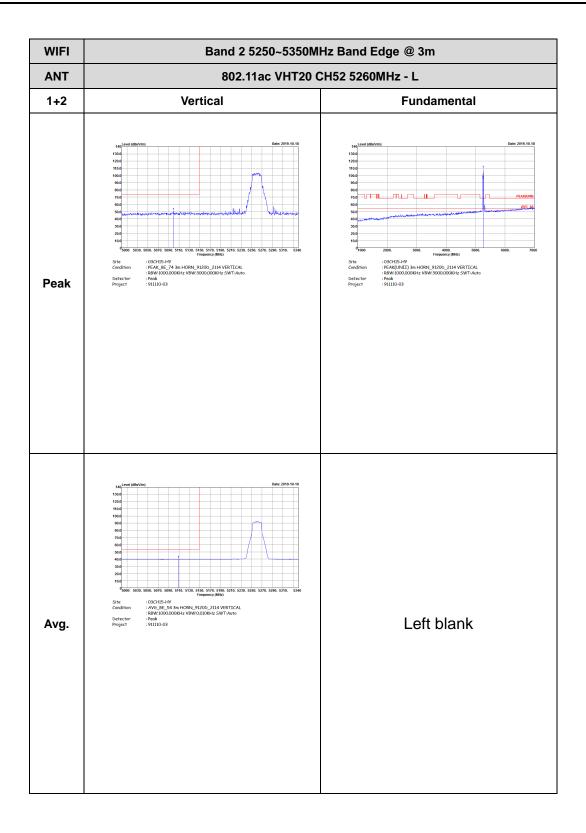


TEL: 886-3-327-3456 Page Number: B480 of B559

WIFI Band 2 5250~5350MHz Band Edge @ 3m ANT 802.11ac VHT20 CH52 5260MHz - R 1+2 Horizontal **Fundamental** Left blank Peak Left blank Avg.

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TEL: 886-3-327-3456 Page Number: B481 of B559

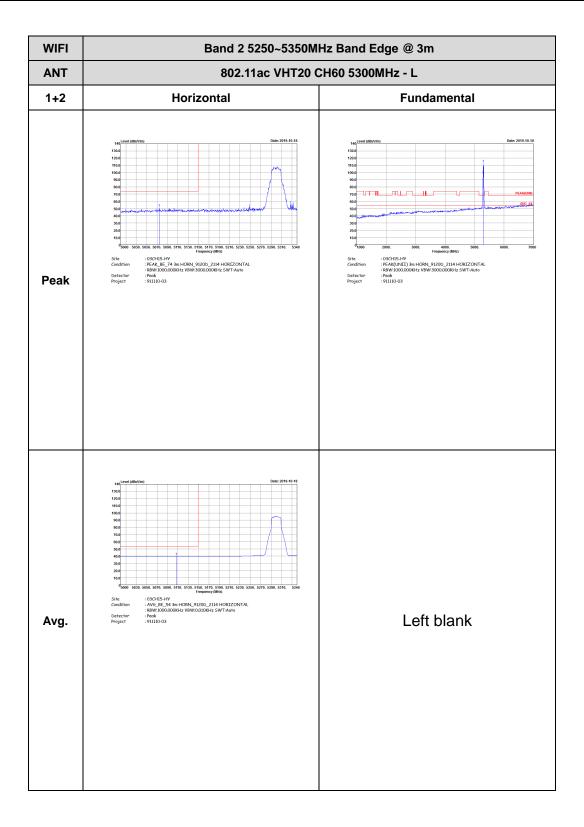


TEL: 886-3-327-3456 Page Number: B482 of B559

WIFI Band 2 5250~5350MHz Band Edge @ 3m ANT 802.11ac VHT20 CH52 5260MHz - R Vertical 1+2 **Fundamental** Left blank Peak : 03CH15-HY : AV6_BE_54 3m HORN_9120D_2114 VERTICAL : R8W:1000.000KHz VBW:0.010KHz SWT:Auto : Peak : 911110-03 Left blank Avg.

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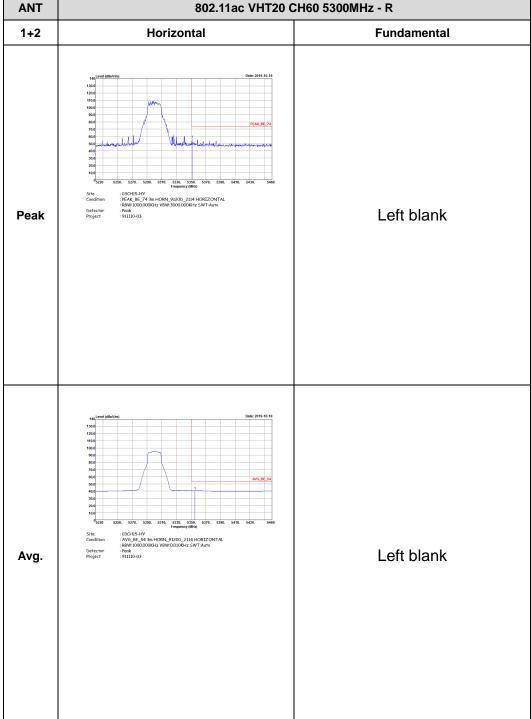


TEL: 886-3-327-3456 Page Number : B484 of B559

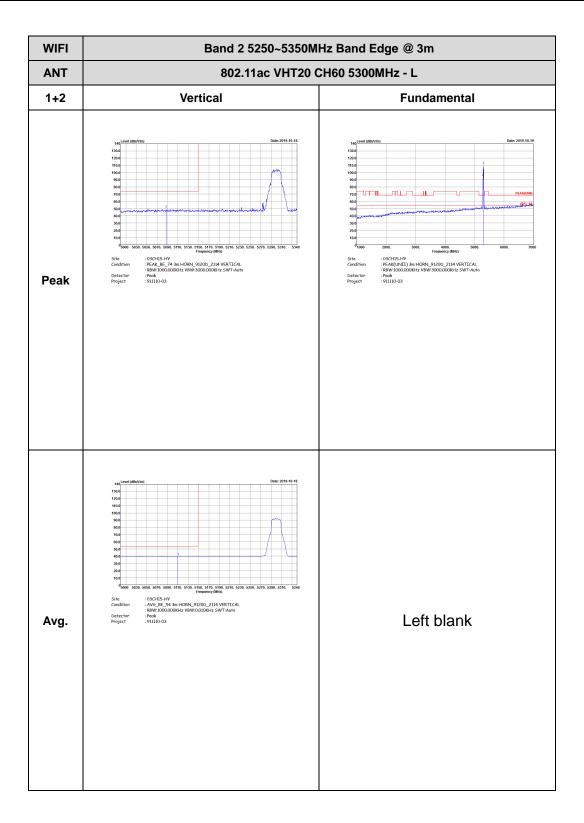
WIFI Band 2 5250~5350MHz Band Edge @ 3m

ANT 802.11ac VHT20 CH60 5300MHz - R

1+2 Horizontal Fundamental

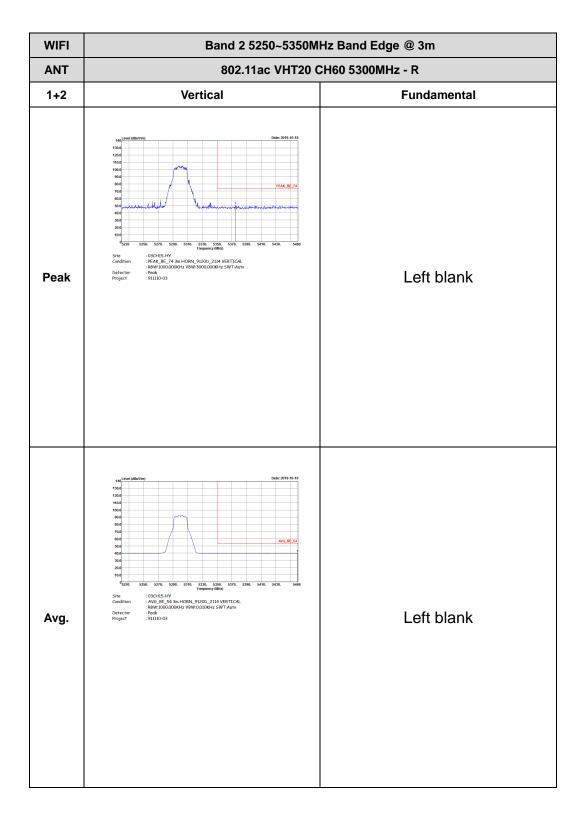


TEL: 886-3-327-3456 Page Number: B485 of B559

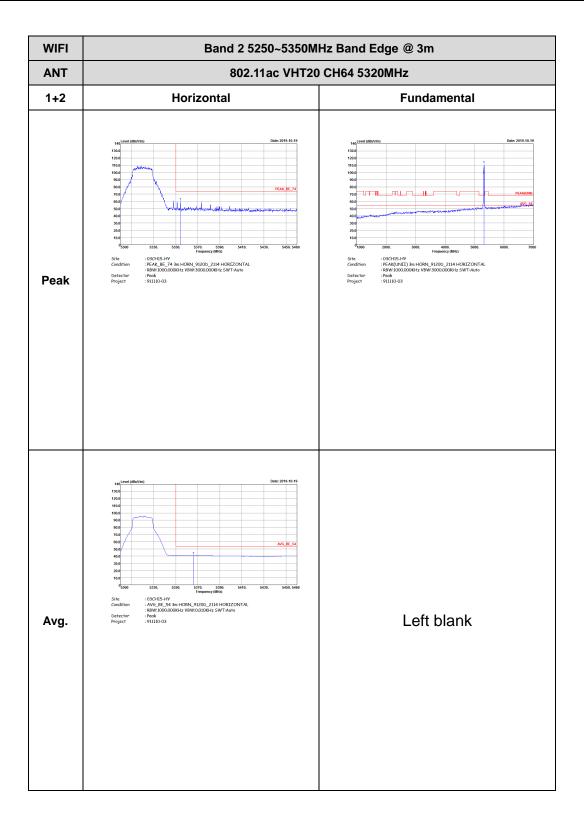


TEL: 886-3-327-3456 Page Number : B486 of B559

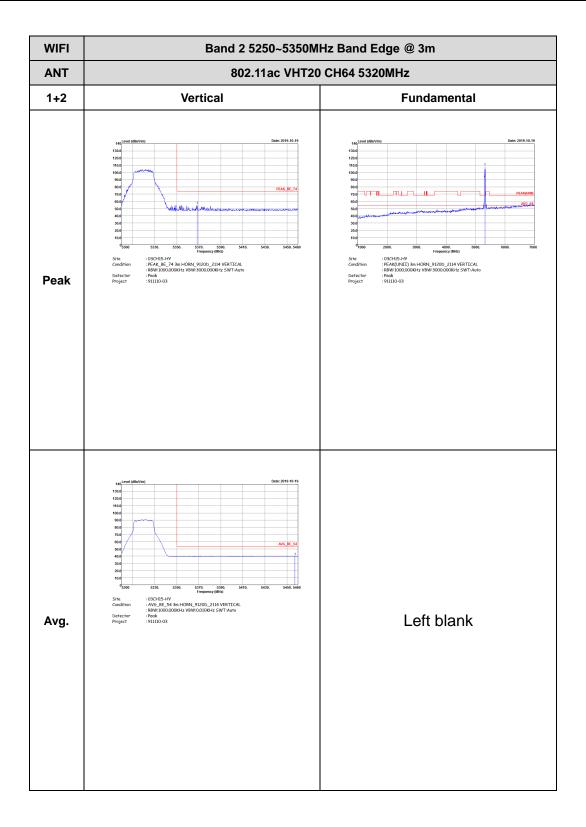




TEL: 886-3-327-3456 Page Number: B487 of B559



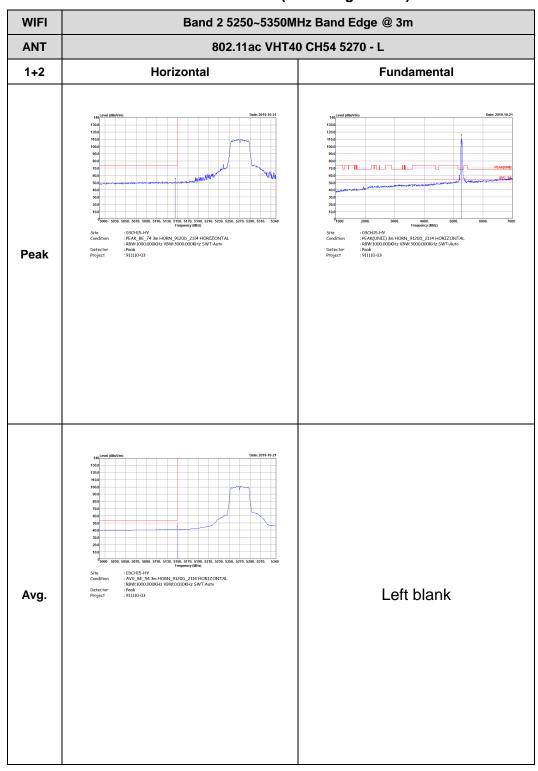
TEL: 886-3-327-3456 Page Number : B488 of B559



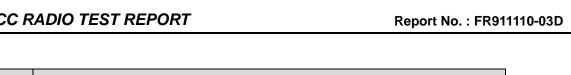
TEL: 886-3-327-3456 Page Number : B489 of B559

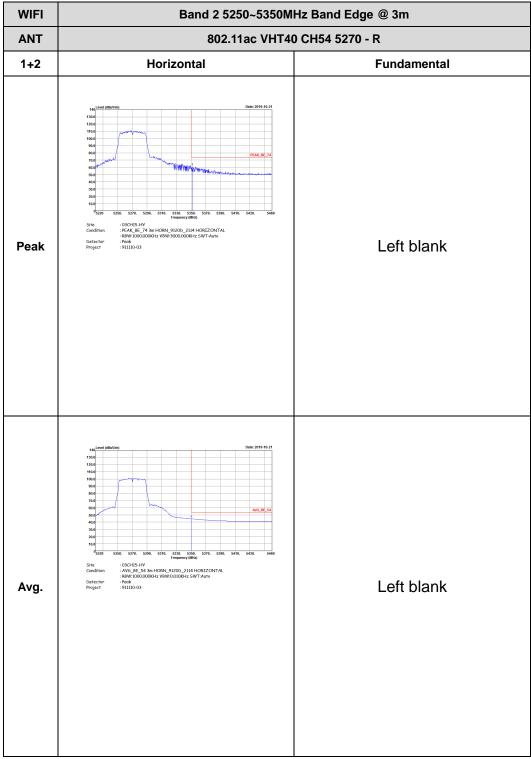
Band 2 5250~5350MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)

Report No.: FR911110-03D

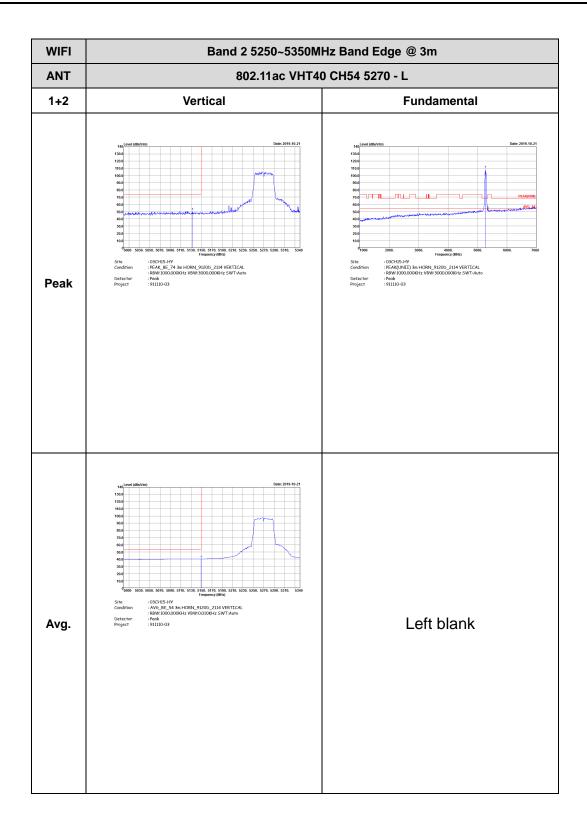


TEL: 886-3-327-3456 Page Number: B490 of B559

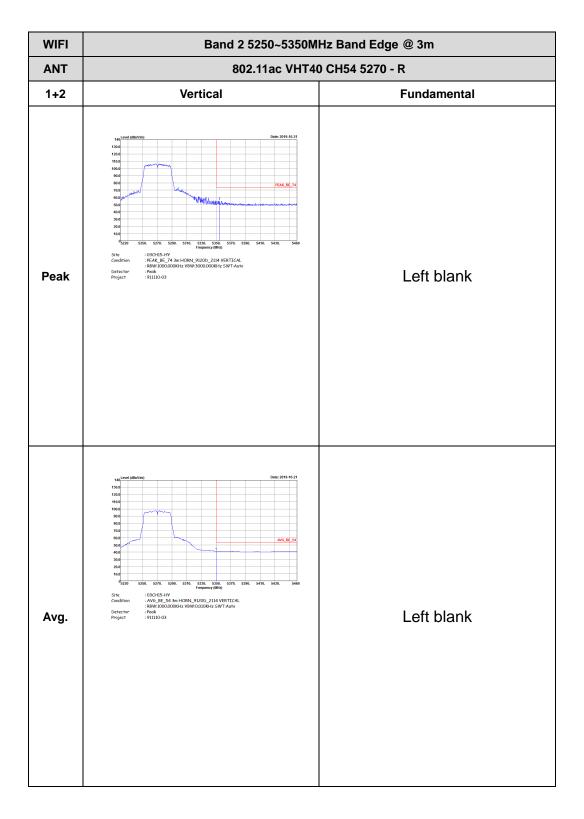




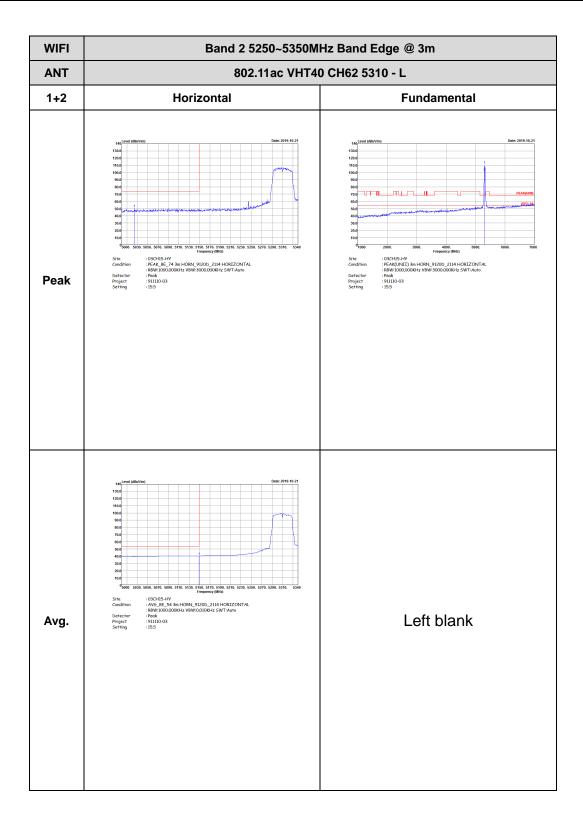
TEL: 886-3-327-3456 Page Number : B491 of B559



TEL: 886-3-327-3456 Page Number: B492 of B559



TEL: 886-3-327-3456 Page Number : B493 of B559



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WIFI Band 2 5250~5350MHz Band Edge @ 3m ANT 802.11ac VHT40 CH62 5310 - R 1+2 Horizontal **Fundamental** Left blank Peak

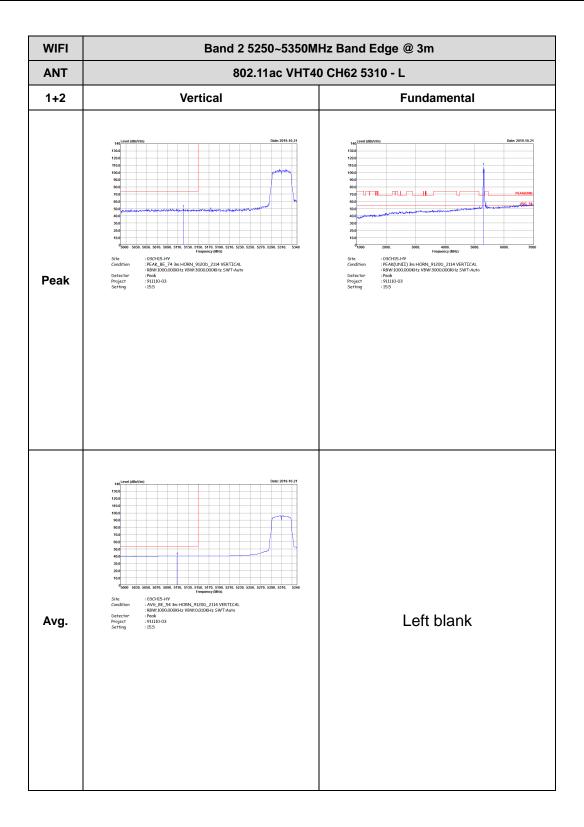
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TEL: 886-3-327-3456 Page Number : B495 of B559

FAX: 886-3-328-4978

Avg.



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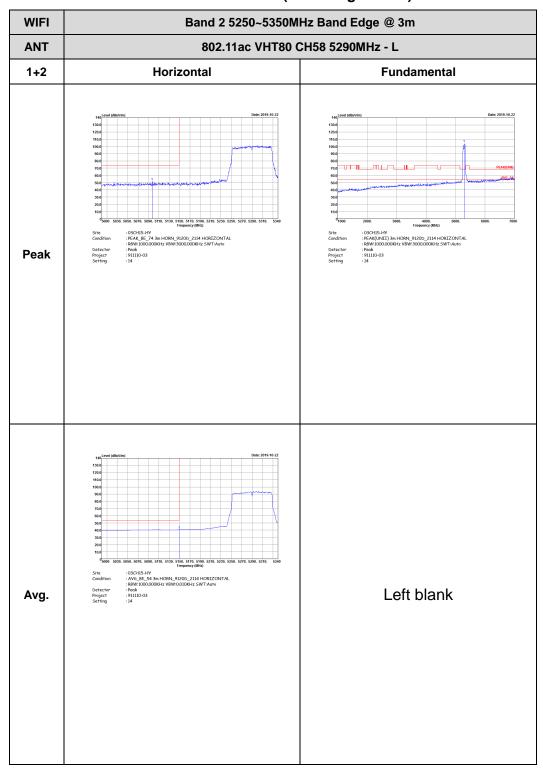
WIFI Band 2 5250~5350MHz Band Edge @ 3m ANT 802.11ac VHT40 CH62 5310 - R 1+2 Vertical **Fundamental** Left blank Peak Left blank Avg.

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TEL: 886-3-327-3456 Page Number: B497 of B559

Band 2 5250~5350MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)

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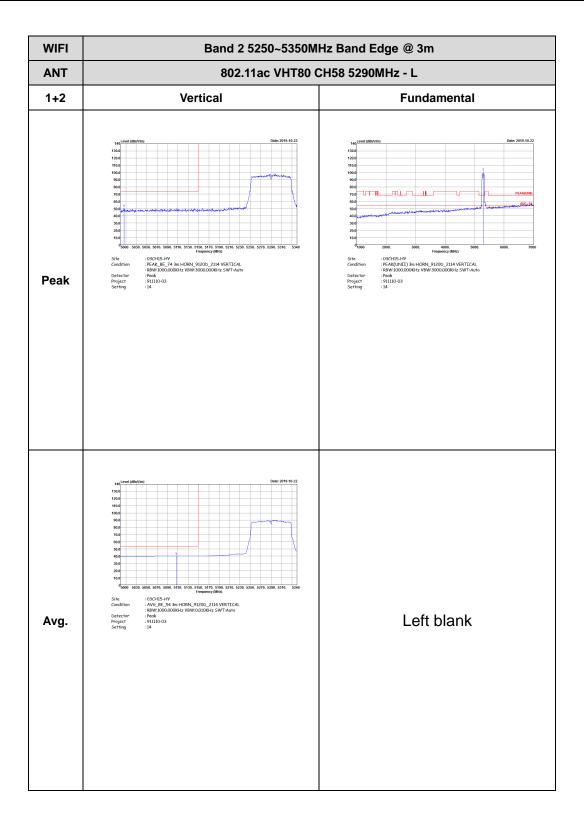


TEL: 886-3-327-3456 Page Number: B498 of B559

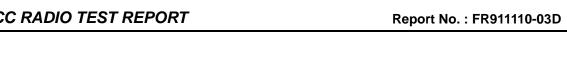
WIFI Band 2 5250~5350MHz Band Edge @ 3m ANT 802.11ac VHT80 CH58 5290MHz - R 1+2 Horizontal **Fundamental** Left blank Peak Left blank Avg.

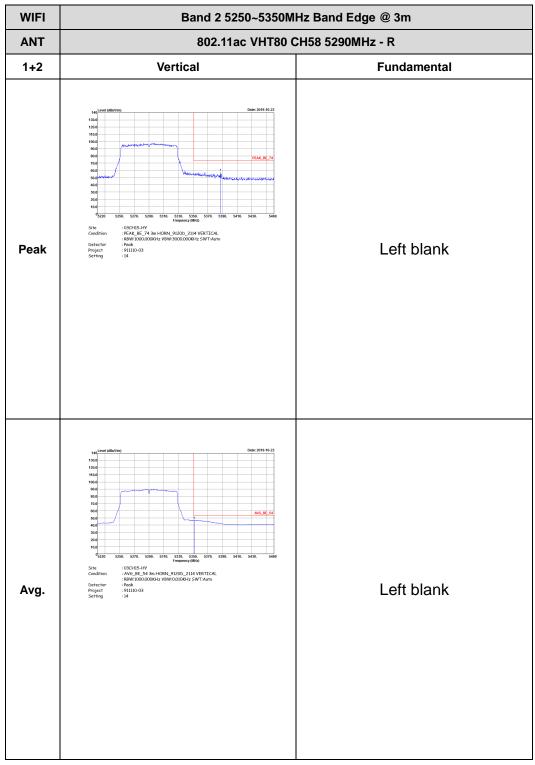
Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number : B499 of B559 FAX: 886-3-328-4978



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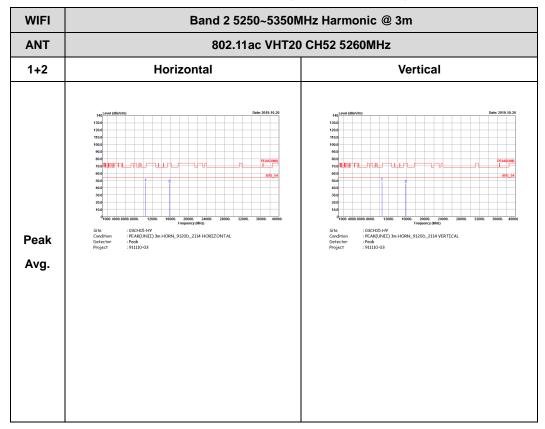


TEL: 886-3-327-3456 Page Number : B501 of B559

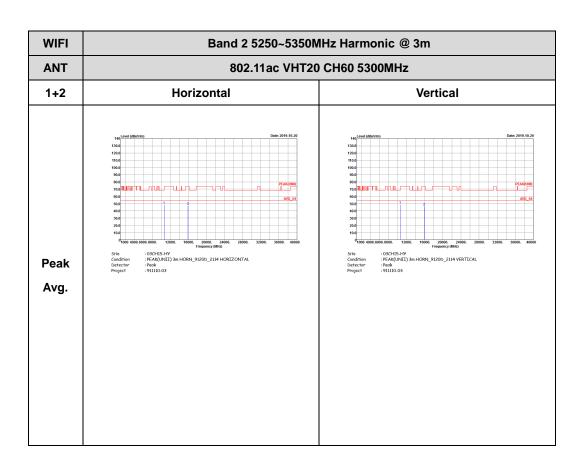
Band 2 - 5250~5350MHz

Report No. : FR911110-03D

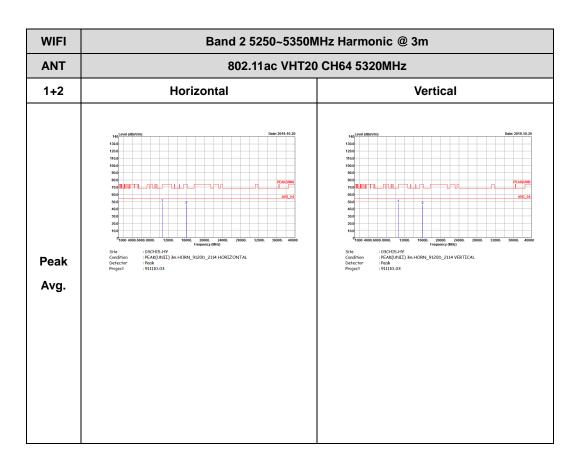
WIFI 802.11ac VHT20 (Harmonic @ 3m)



TEL: 886-3-327-3456 Page Number: B502 of B559



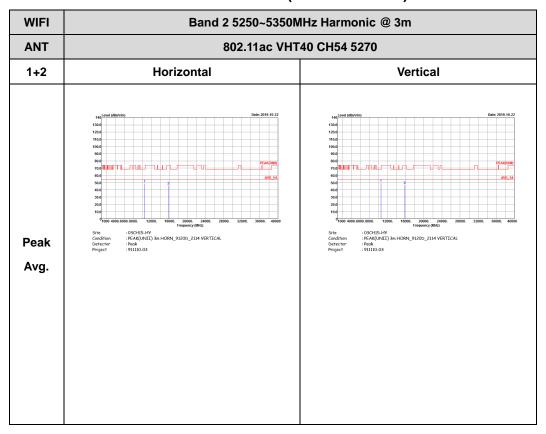
TEL: 886-3-327-3456 Page Number: B503 of B559



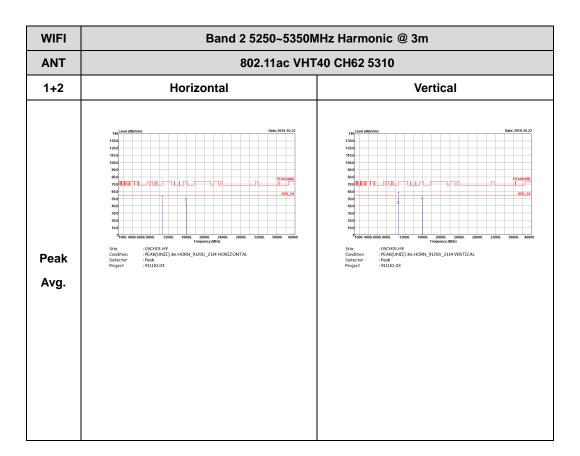
TEL: 886-3-327-3456 Page Number: B504 of B559

Band 2 5250~5350MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)

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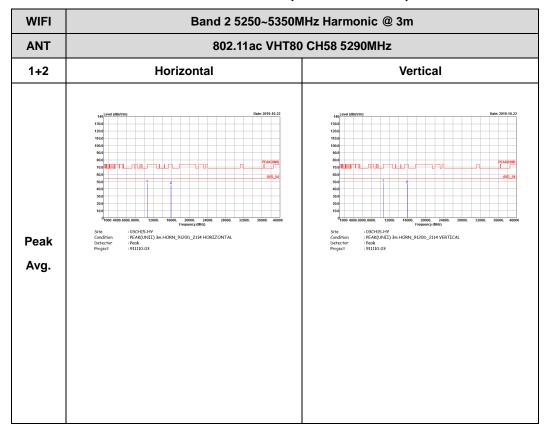
TEL: 886-3-327-3456 Page Number: B505 of B559



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Band 2 5250~5350MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)

Report No. : FR911110-03D

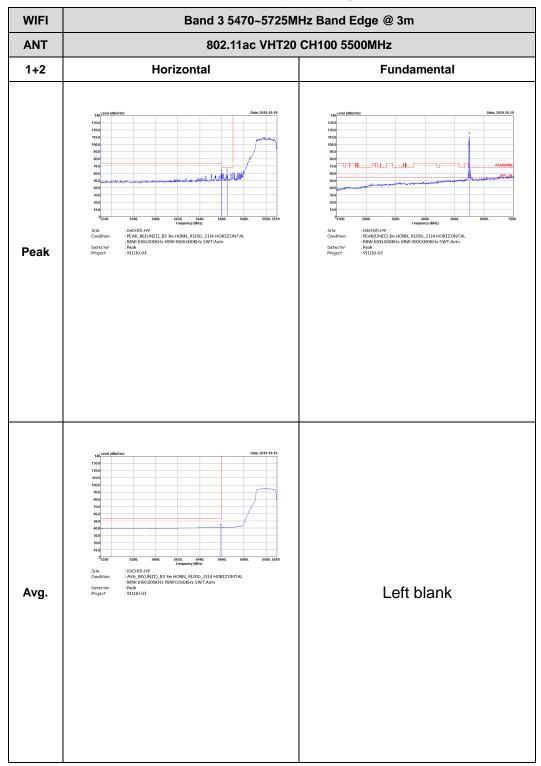


TEL: 886-3-327-3456 Page Number: B507 of B559

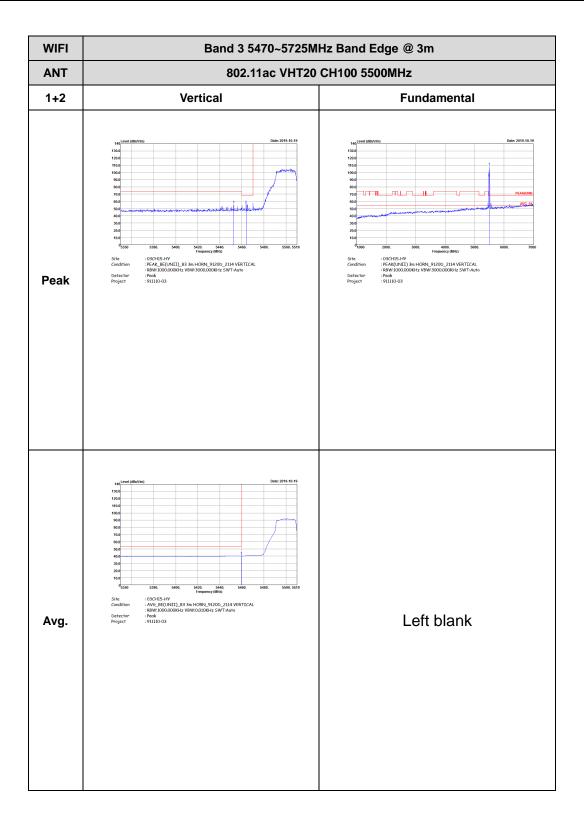
Band 3 - 5470~5725MHz

Report No. : FR911110-03D

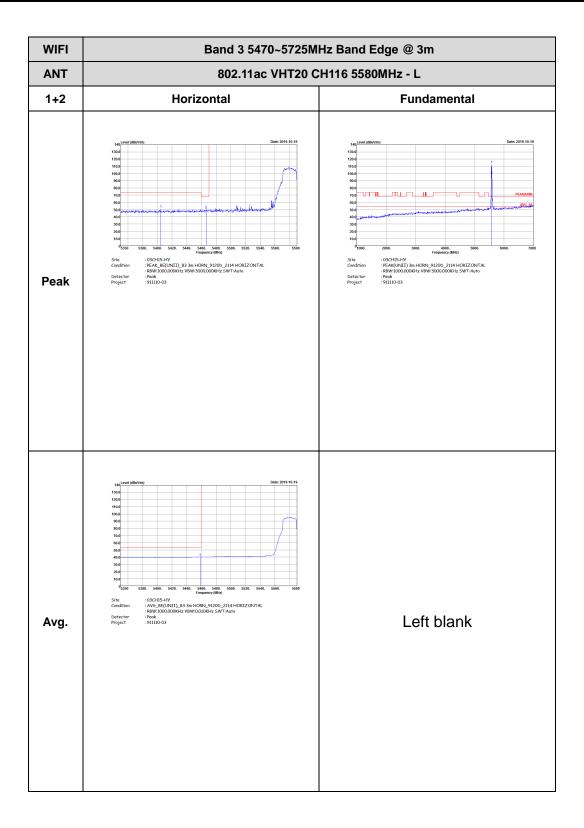
WIFI 802.11ac VHT20 (Band Edge @ 3m)



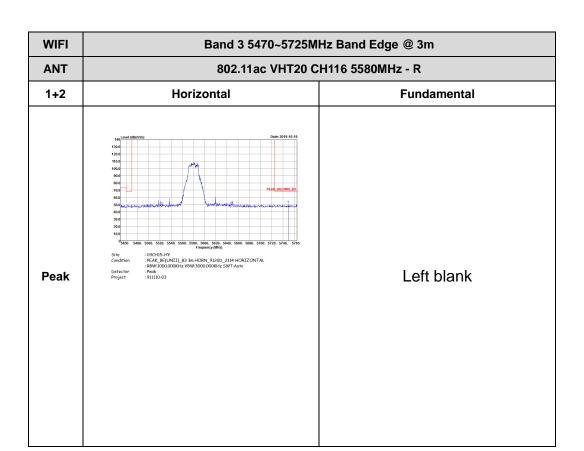
TEL: 886-3-327-3456 Page Number: B508 of B559



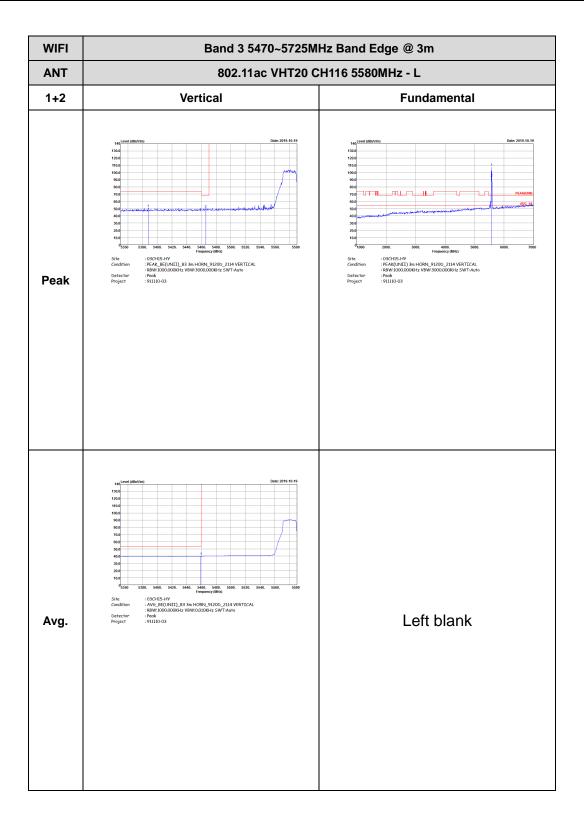
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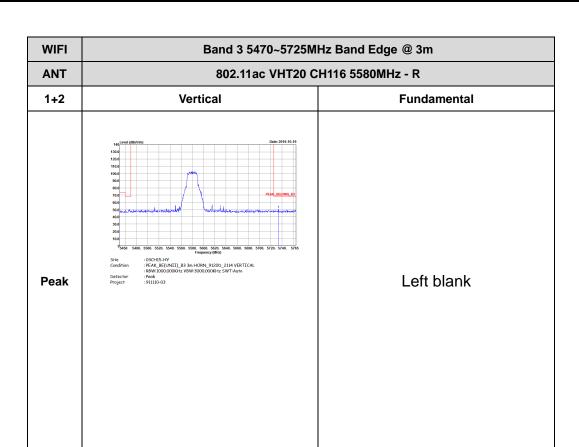
TEL: 886-3-327-3456 Page Number : B510 of B559



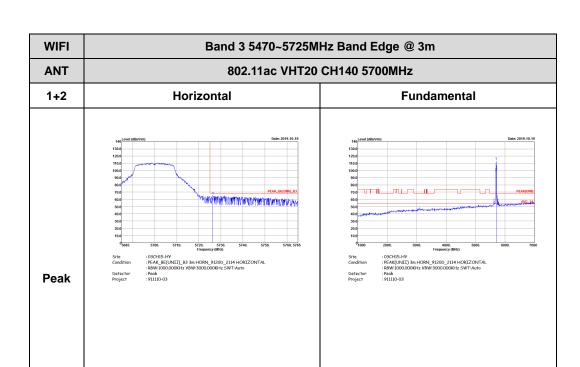
TEL: 886-3-327-3456 Page Number: B511 of B559



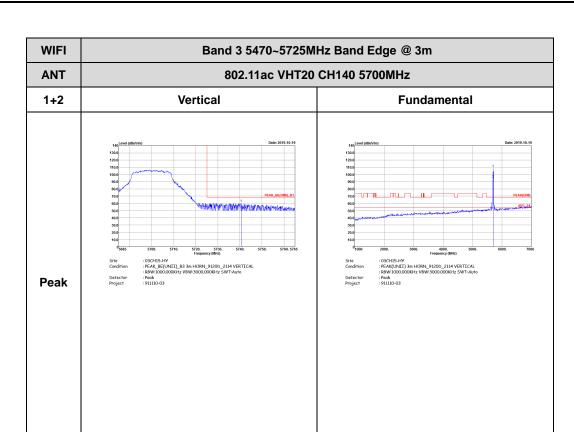
TEL: 886-3-327-3456 Page Number : B512 of B559



TEL: 886-3-327-3456 Page Number: B513 of B559



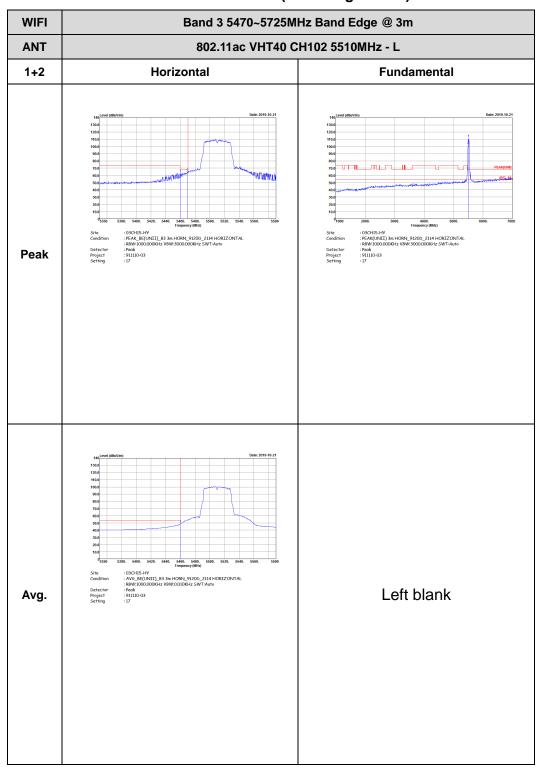
TEL: 886-3-327-3456 Page Number: B514 of B559



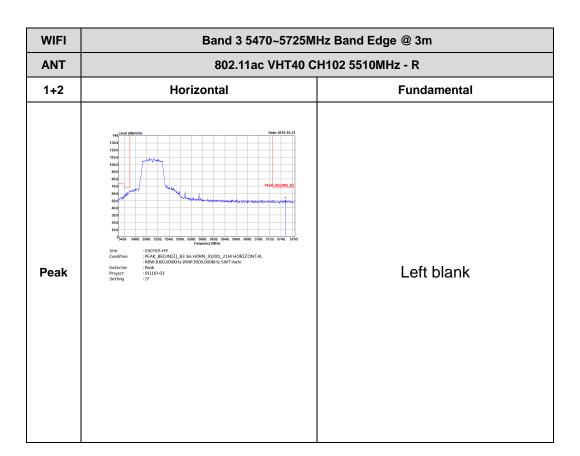
TEL: 886-3-327-3456 Page Number: B515 of B559

Band 3 5470~5725MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)

Report No.: FR911110-03D

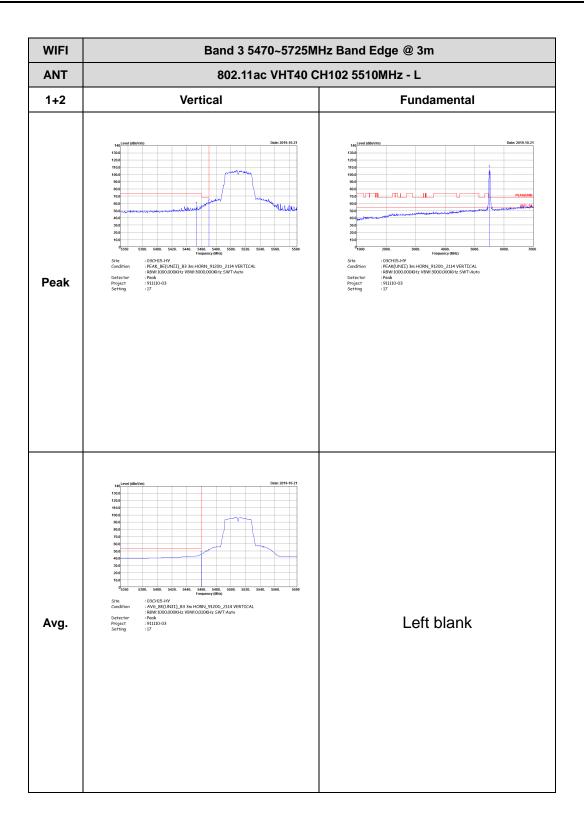


TEL: 886-3-327-3456 Page Number: B516 of B559

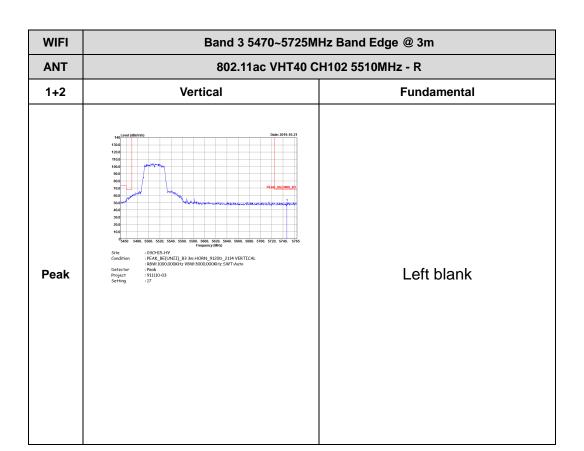


TEL: 886-3-327-3456 Page Number: B517 of B559

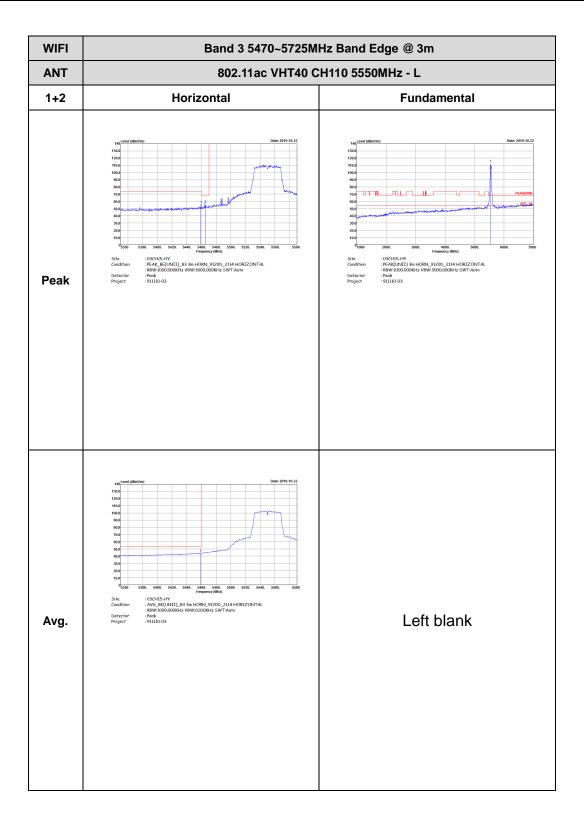




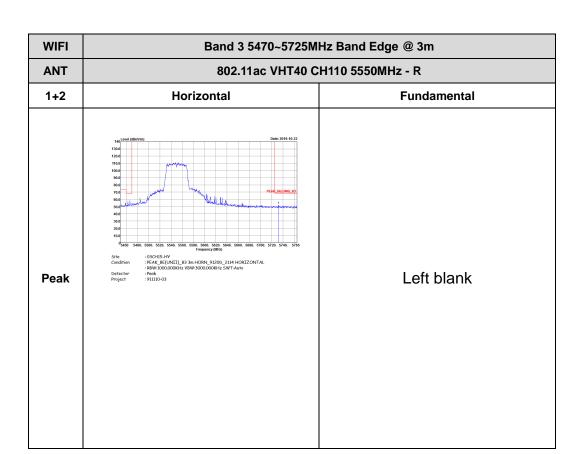
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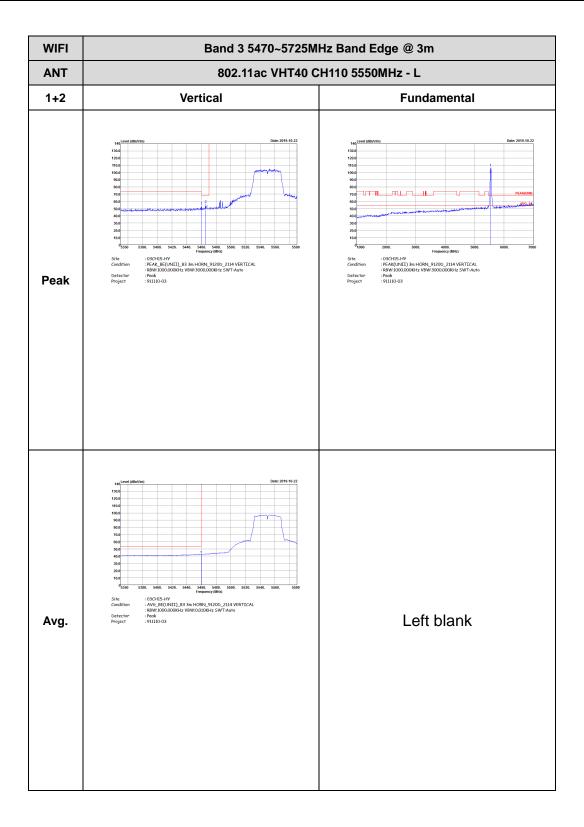
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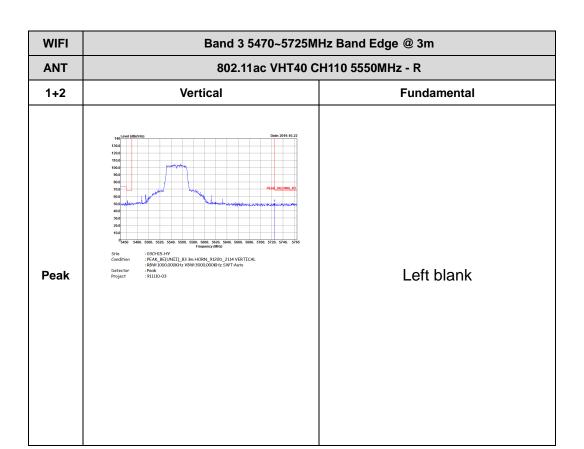
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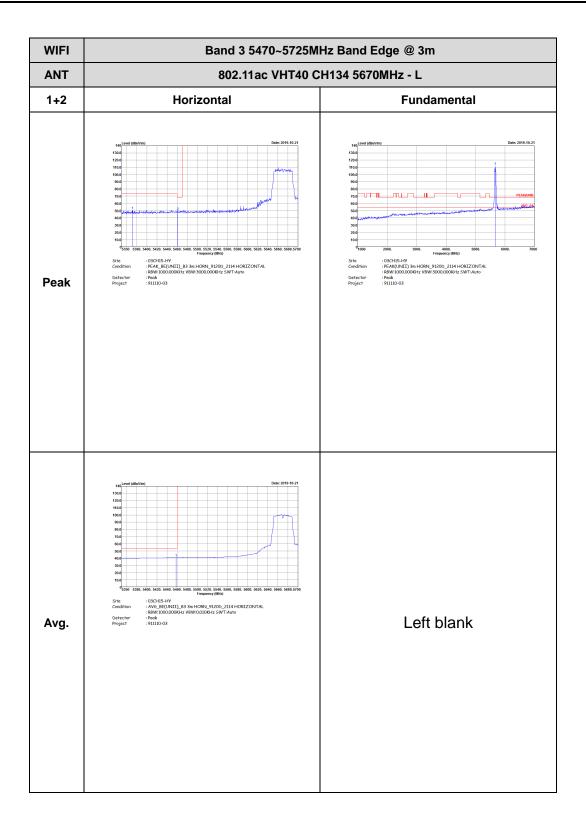
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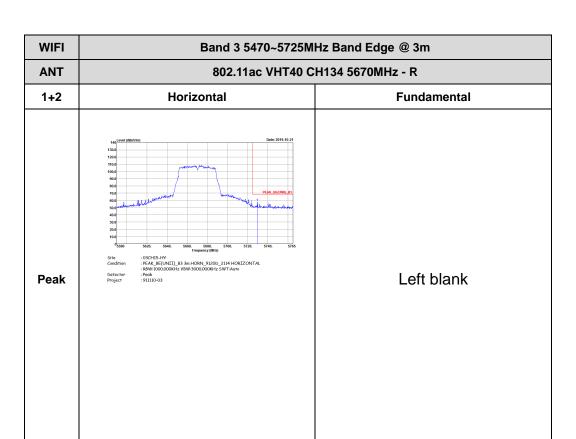
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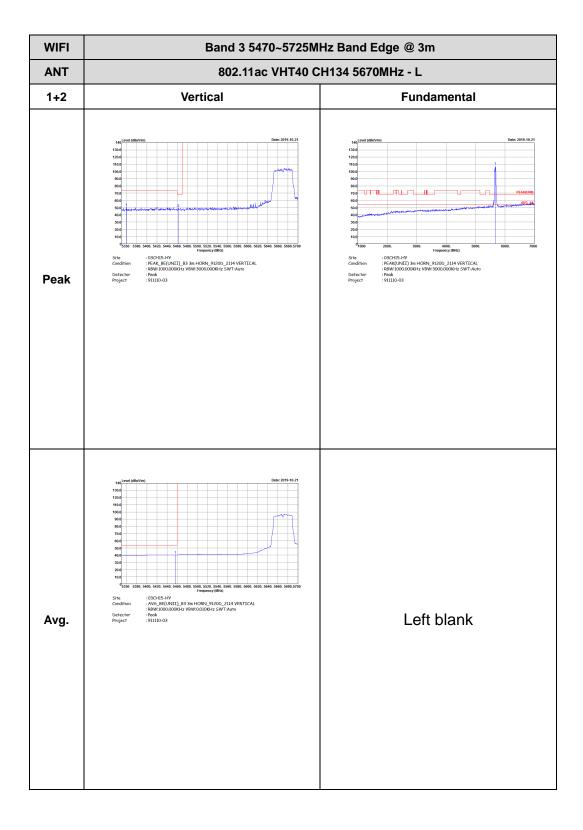
TEL: 886-3-327-3456 Page Number: B523 of B559



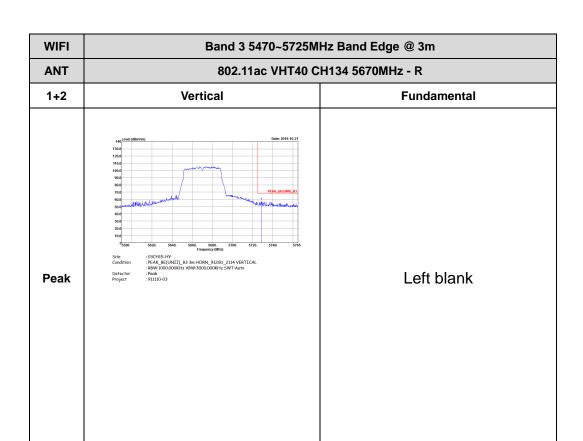
TEL: 886-3-327-3456 Page Number: B524 of B559



TEL: 886-3-327-3456 Page Number: B525 of B559



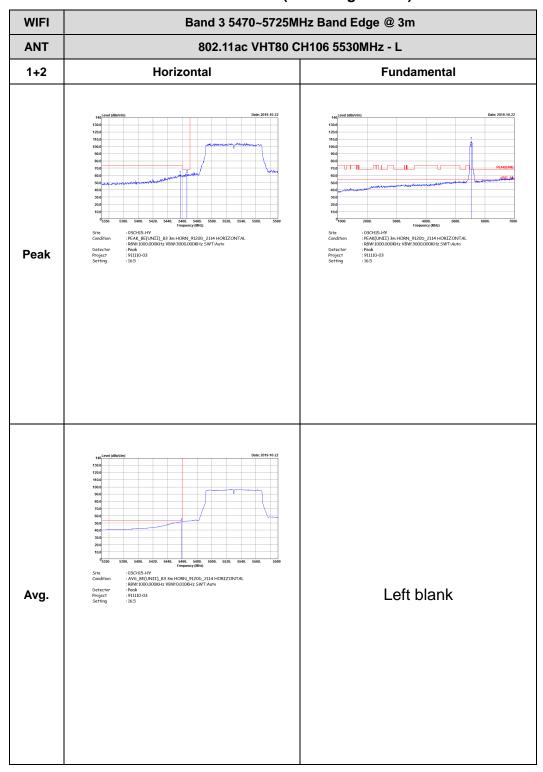
TEL: 886-3-327-3456 Page Number: B526 of B559



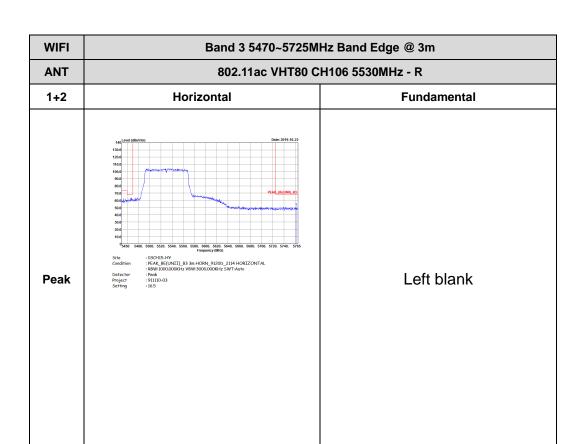
TEL: 886-3-327-3456 Page Number: B527 of B559

Band 3 5470~5725MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)

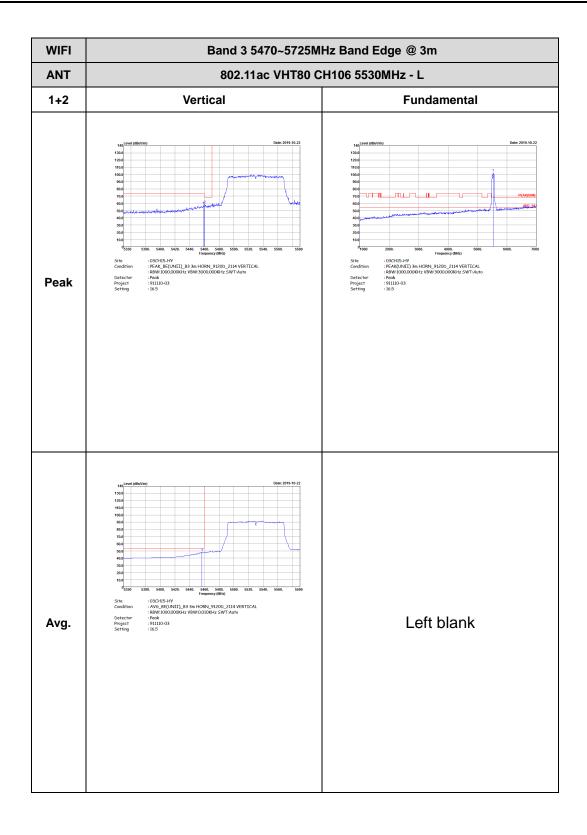
Report No.: FR911110-03D



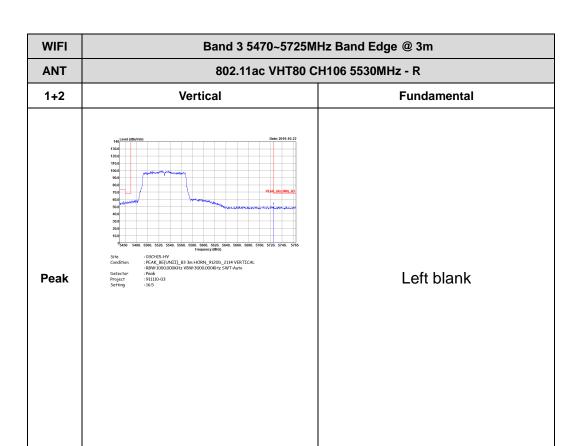
TEL: 886-3-327-3456 Page Number: B528 of B559



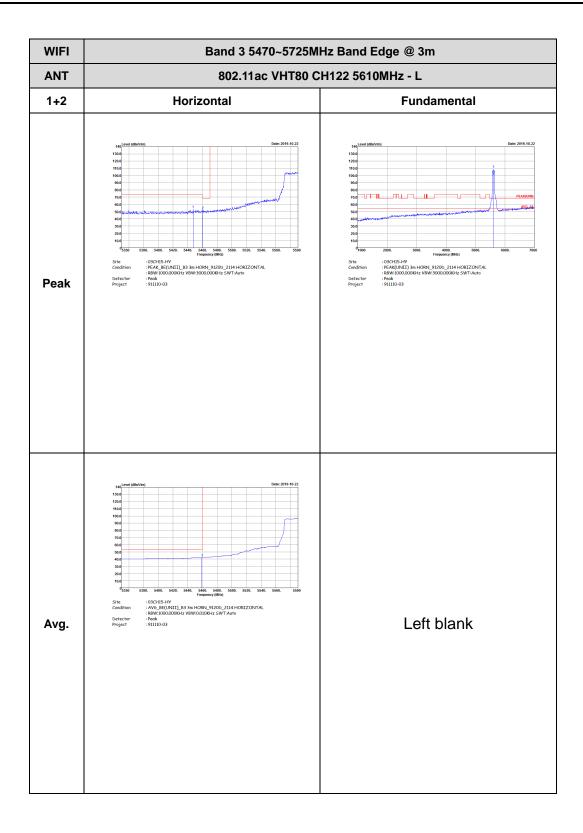
TEL: 886-3-327-3456 Page Number: B529 of B559



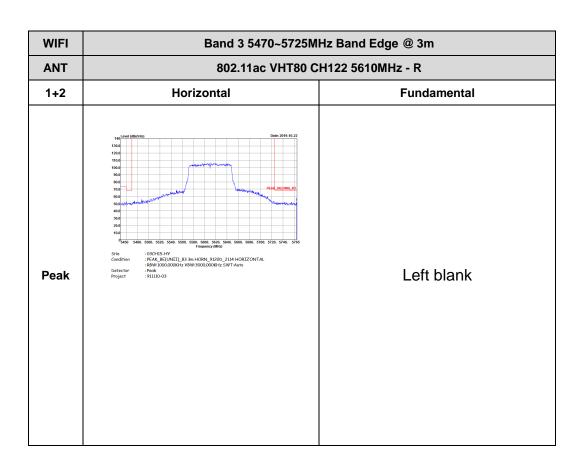
TEL: 886-3-327-3456 Page Number: B530 of B559



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TEL: 886-3-327-3456 Page Number: B532 of B559

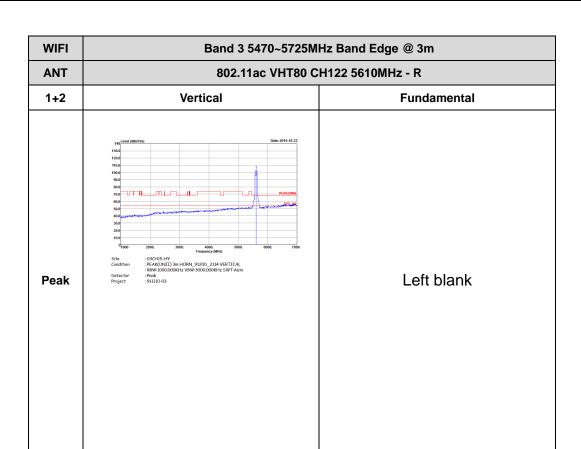


TEL: 886-3-327-3456 Page Number: B533 of B559

WIFI Band 3 5470~5725MHz Band Edge @ 3m ANT 802.11ac VHT80 CH122 5610MHz - L 1+2 Vertical **Fundamental** : 03CH15-HV :PEAK_BE(UNII)_B3 3m HORN_9120D_2114 VERTICAL :RBW:1000.000KHz VBW:3000.000KHz SWT:Aurto :Peak :911110-03 : 03CH15-HY : AV6_BE(UNIT)_B3 3m HORN_91200_2114 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto : Peak : 911110-03 Peak Left blank Avg.

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number : B534 of B559

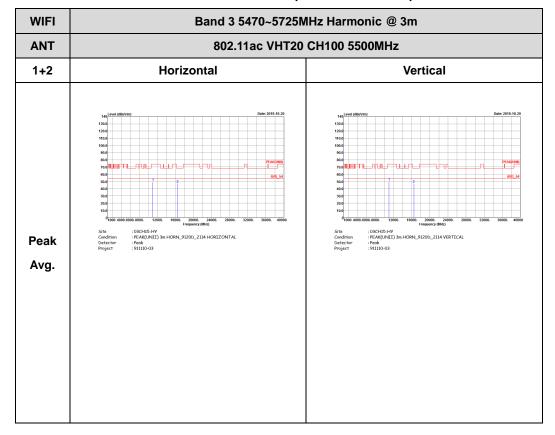


TEL: 886-3-327-3456 Page Number: B535 of B559

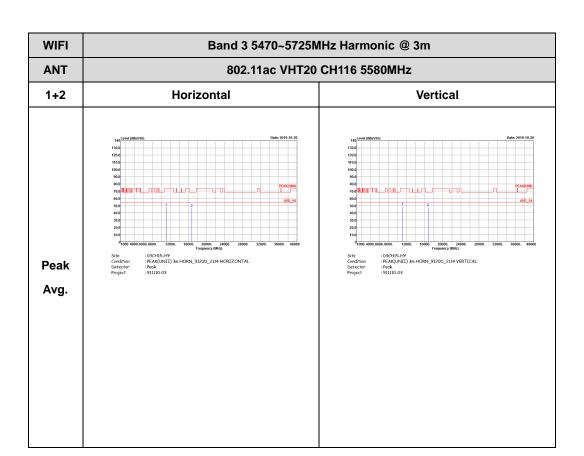
Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

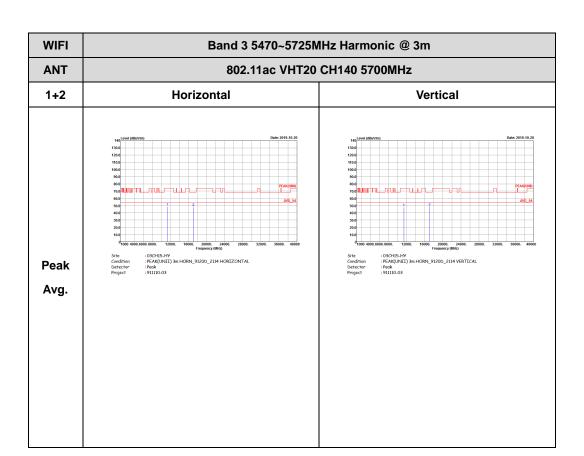
Report No. : FR911110-03D



TEL: 886-3-327-3456 Page Number: B536 of B559



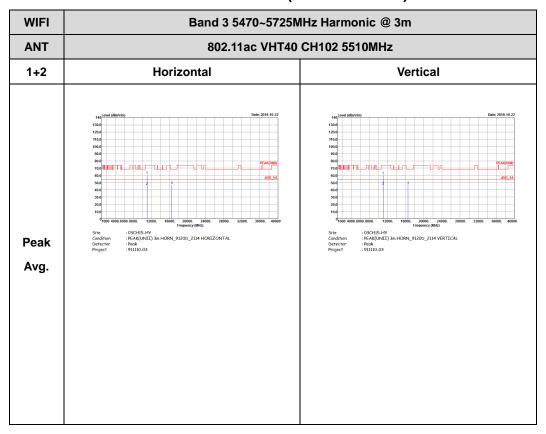
TEL: 886-3-327-3456 Page Number: B537 of B559



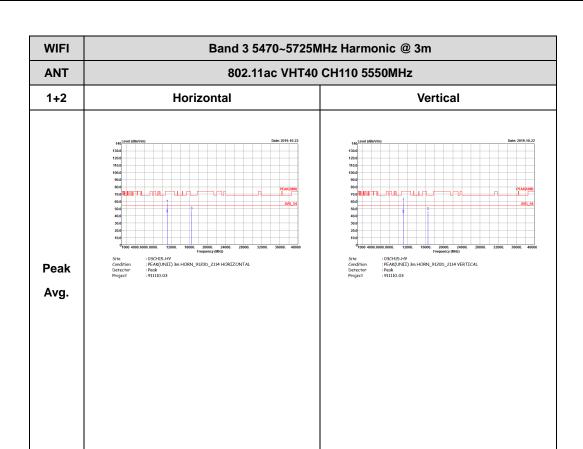
TEL: 886-3-327-3456 Page Number: B538 of B559

Band 3 5470~5725MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)

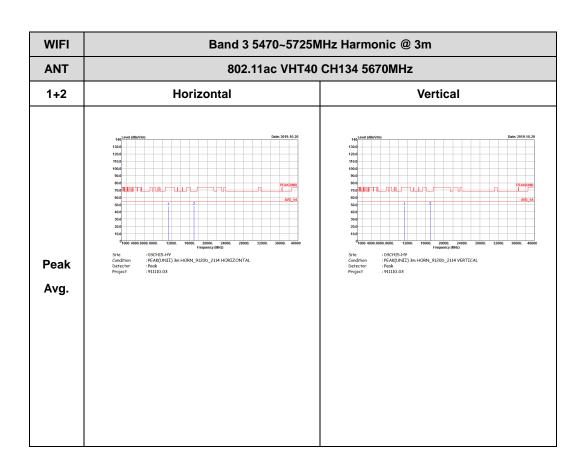
Report No. : FR911110-03D



TEL: 886-3-327-3456 Page Number: B539 of B559



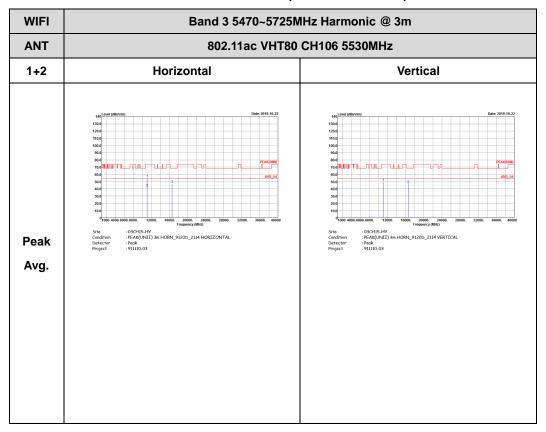
TEL: 886-3-327-3456 Page Number: B540 of B559



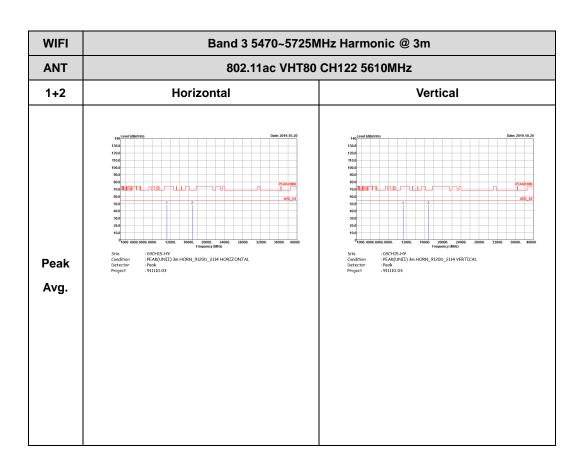
TEL: 886-3-327-3456 Page Number: B541 of B559

Band 3 5470~5725MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)

Report No. : FR911110-03D



TEL: 886-3-327-3456 Page Number: B542 of B559

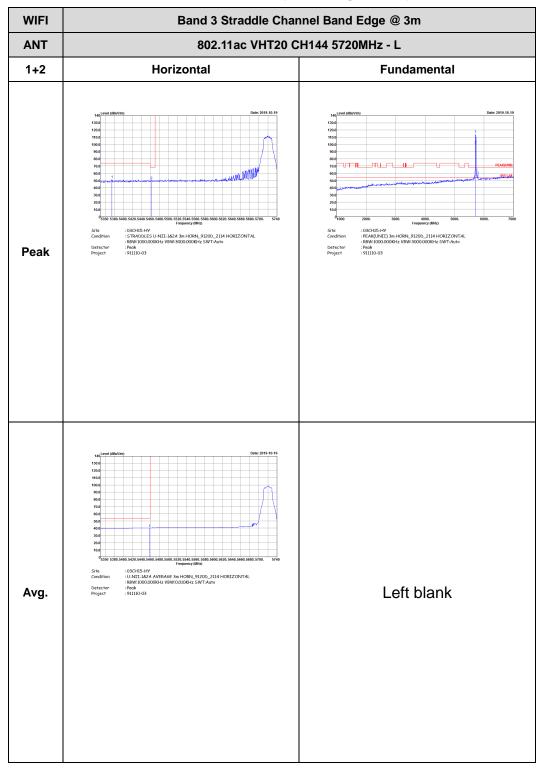


TEL: 886-3-327-3456 Page Number: B543 of B559

Band 3 - Straddle Channel

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WIFI 802.11ac VHT20 (Band Edge @ 3m)



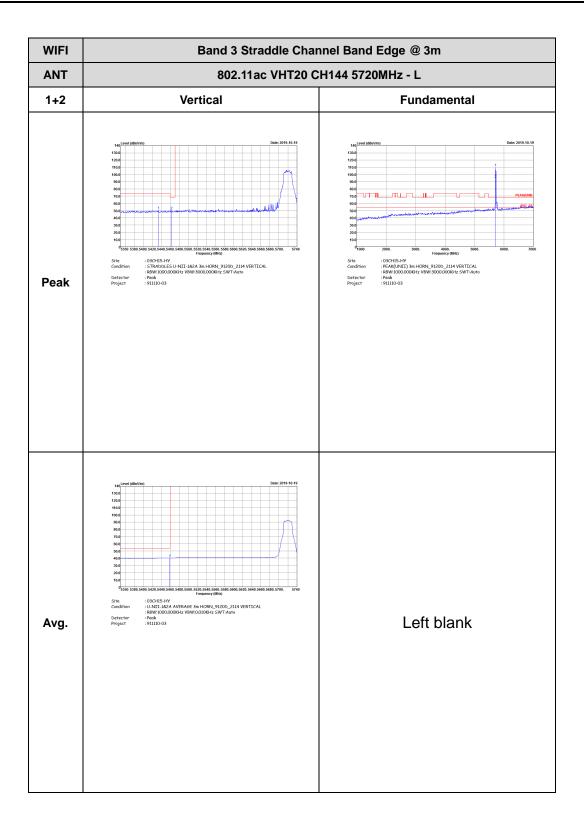
TEL: 886-3-327-3456 Page Number: B544 of B559

WIFI Band 3 Straddle Channel Band Edge @ 3m 802.11ac VHT20 CH144 5720MHz - R ANT 1+2 Horizontal **Fundamental** : 03CH15-HY : STRADDLES U-NIT-1&2A 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : 911110-03 Left blank Peak Left blank Left blank Avg.

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number: B545 of B559





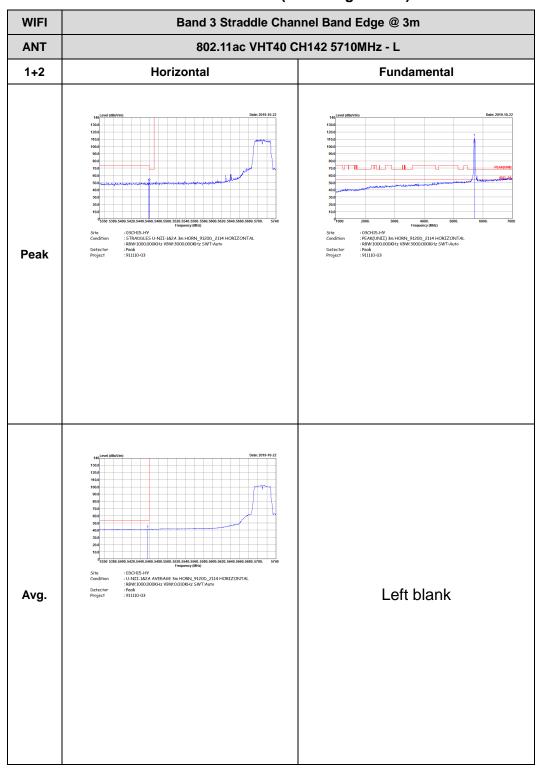
TEL: 886-3-327-3456 Page Number : B546 of B559

WIFI Band 3 Straddle Channel Band Edge @ 3m 802.11ac VHT20 CH144 5720MHz - R ANT 1+2 Vertical **Fundamental** : 03CH15-HV : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : Peak : 911110-03 Left blank Peak Left blank Left blank Avg.

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number: B547 of B559

Band 3 – Straddle Channel WIFI 802.11ac VHT40 (Band Edge @ 3m)

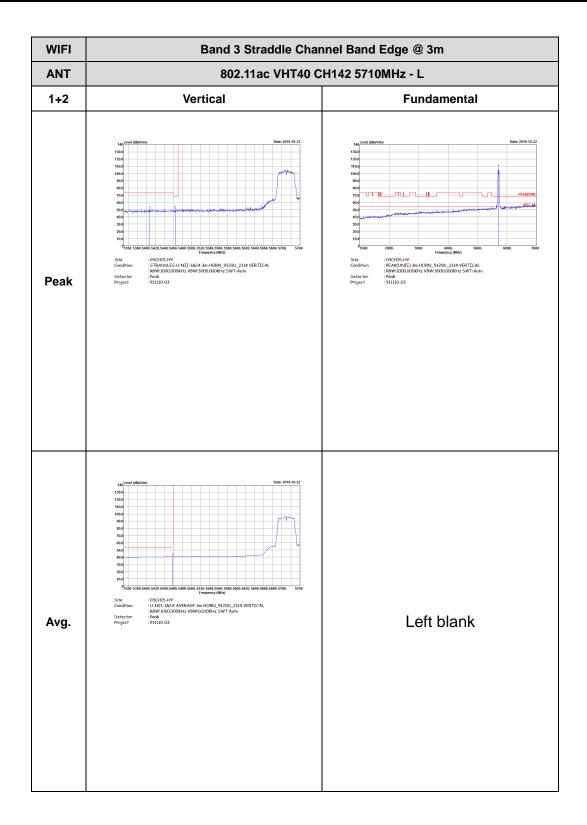


TEL: 886-3-327-3456 Page Number: B548 of B559

WIFI Band 3 Straddle Channel Band Edge @ 3m 802.11ac VHT40 CH142 5710MHz - R ANT 1+2 Horizontal **Fundamental** : 03CH15-HY : STRADDLES U-NIT-1&2A 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : 911110-03 Left blank Peak Left blank Left blank Avg.

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number: B549 of B559



TEL: 886-3-327-3456 Page Number: B550 of B559

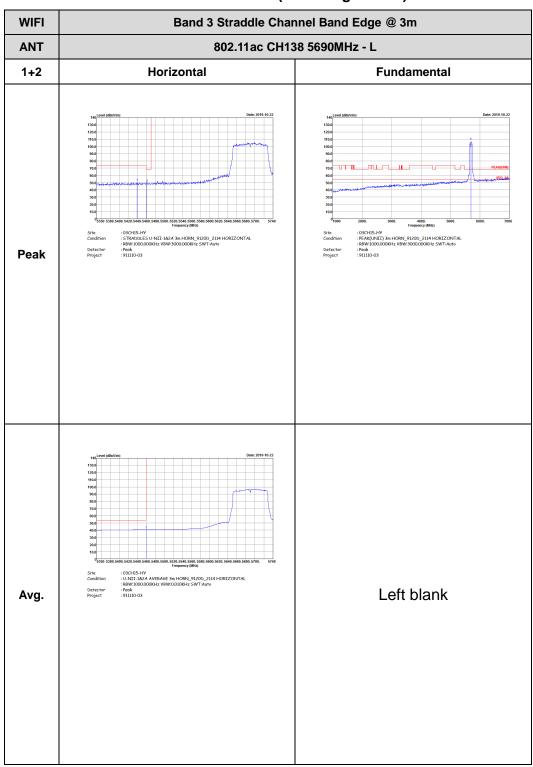
WIFI Band 3 Straddle Channel Band Edge @ 3m 802.11ac VHT40 CH142 5710MHz - R ANT 1+2 Vertical **Fundamental** : 03CH15-HV : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : Peak : 911110-03 Left blank Peak Left blank Left blank Avg.

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number: B551 of B559

Band 3 – Straddle Channel WIFI 802.11ac VHT80 (Band Edge @ 3m)

Report No.: FR911110-03D



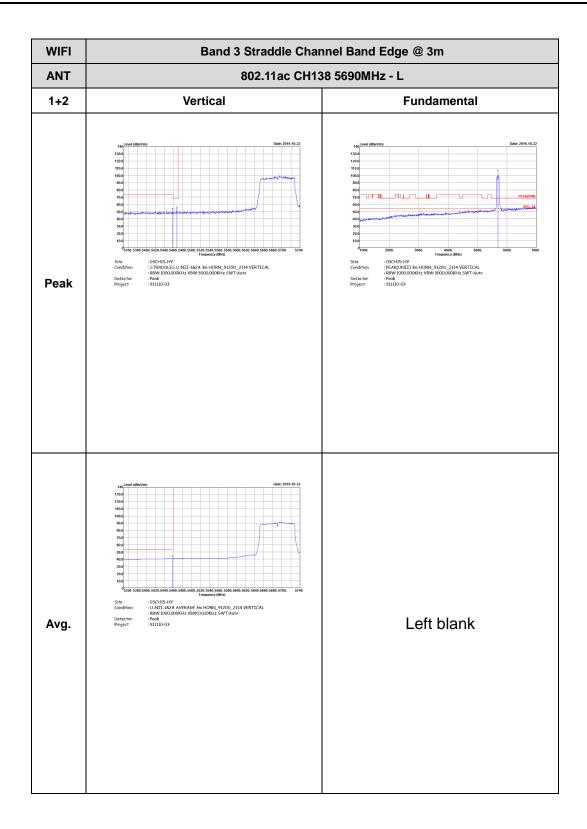
TEL: 886-3-327-3456 Page Number: B552 of B559

Report No. : FR911110-03D

WIFI Band 3 Straddle Channel Band Edge @ 3m

WIFI	Band 3 Straddle Channel Band Edge @ 3m						
ANT	802.11ac CH138 5690MHz - R						
1+2	Horizontal	Fundamental					
Peak	Section Condition Condit	Left blank					
Avg.	Left blank	Left blank					

TEL: 886-3-327-3456 Page Number : B553 of B559



TEL: 886-3-327-3456 Page Number: B554 of B559

WIFI Band 3 Straddle Channel Band Edge @ 3m ANT 802.11ac CH138 5690MHz - R 1+2 Vertical **Fundamental** : 03CH15-HV : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto : Peak : 911110-03 Left blank Peak Left blank Left blank Avg.

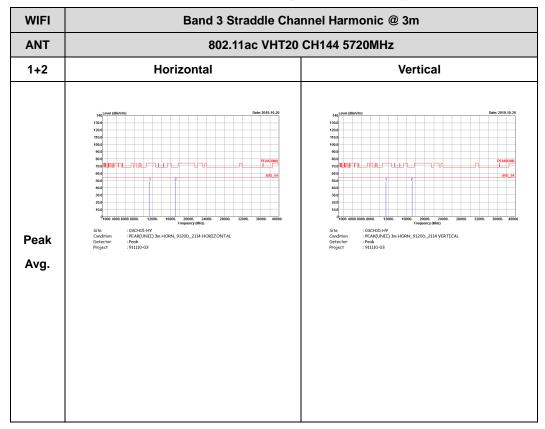
Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number: B555 of B559

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

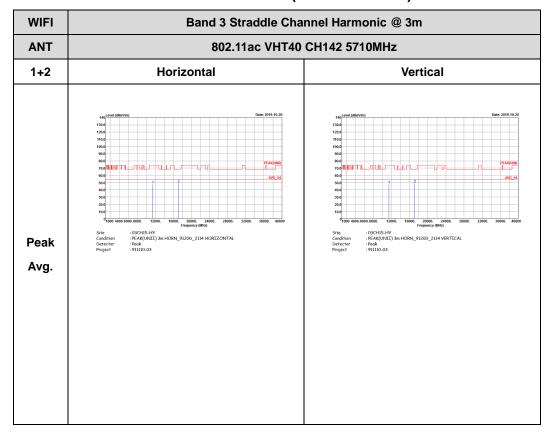
Report No.: FR911110-03D



TEL: 886-3-327-3456 Page Number: B556 of B559

Band 3 – Straddle Channel WIFI 802.11ac VHT40 (Harmonic @ 3m)

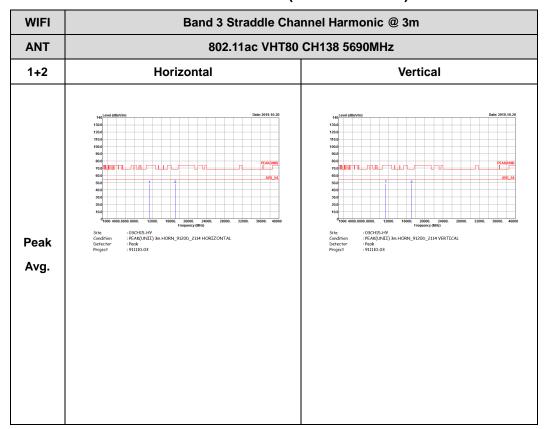
Report No. : FR911110-03D



TEL: 886-3-327-3456 Page Number: B557 of B559

Band 3 - Straddle Channel WIFI 802.11ac VHT80 (Harmonic @ 3m)

Report No. : FR911110-03D

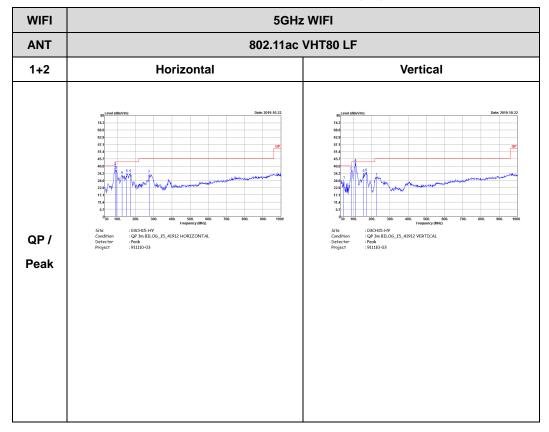


TEL: 886-3-327-3456 Page Number: B558 of B559

Emission below 1GHz

Report No. : FR911110-03D

5GHz WIFI 802.11ac VHT80 (LF)



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Appendix C. Duty Cycle Plots

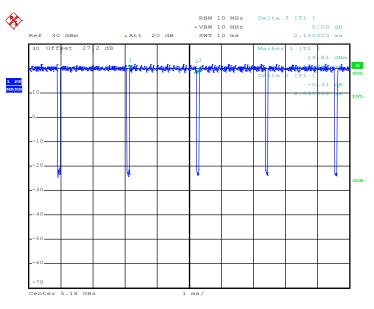
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	94.90	2045	0.49	1kHz	0.23
2	802.11a	95.15	2060	0.49	1kHz	0.22
1+2	802.11a for Ant. 1	94.92	2055	0.49	1kHz	0.23
1+2	802.11a for Ant. 2	95.80	2055	0.49	1kHz	0.19
1	5GHz 802.11n HT20	94.33	1915	0.52	1kHz	0.25
2	5GHz 802.11n HT20	94.57	1915	0.52	1kHz	0.24
1+2	5GHz 802.11n HT20 for Ant. 1	94.58	1920	0.52	1kHz	0.24
1+2	5GHz 802.11n HT20 for Ant. 2	94.57	1915	0.52	1kHz	0.24
1	5GHz 802.11n HT40	92.20	945	1.06	3kHz	0.35
2	5GHz 802.11n HT40	91.83	955	1.05	3kHz	0.37
1+2	5GHz 802.11n HT40 for Ant. 1	91.39	955	1.05	3kHz	0.39
1+2	5GHz 802.11n HT40 for Ant. 2	92.23	950	1.05	3kHz	0.35
1	5GHz 802.11ac VHT20	94.88	1945	0.51	1kHz	0.23
2	5GHz 802.11ac VHT20	95.30	1925	0.52	1kHz	0.21
1+2	5GHz 802.11ac VHT20 for Ant. 1	95.77	1925	0.52	1kHz	0.19
1+2	5GHz 802.11ac VHT20 for Ant. 2	94.36	1925	0.52	1kHz	0.25
1	5GHz 802.11ac VHT40	91.79	950	1.05	3kHz	0.37
2	5GHz 802.11ac VHT40	91.83	955	1.05	3kHz	0.37
1+2	5GHz 802.11ac VHT40 for Ant. 1	90.95	955	1.05	3kHz	0.41
1+2	5GHz 802.11ac VHT40 for Ant. 2	90.91	950	1.05	3kHz	0.41
1	5GHz 802.11ac VHT80	85.19	460	2.17	3kHz	0.70
2	5GHz 802.11ac VHT80	85.32	465	2.15	3kHz	0.69
1+2	5GHz 802.11ac VHT80 for Ant. 1	85.45	470	2.13	3kHz	0.68
1+2	5GHz 802.11ac VHT80 for Ant. 2	86.11	465	2.15	3kHz	0.65

Report No. : FR911110-03D

TEL: 886-3-327-3456 Page Number : C1 of C13

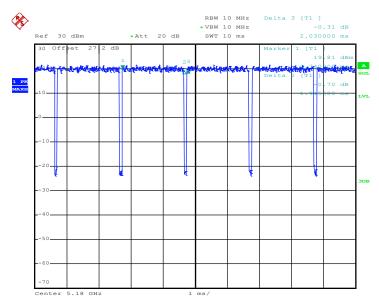
<Ant. 1>





Date: 21.FEB.2019 06:30:18

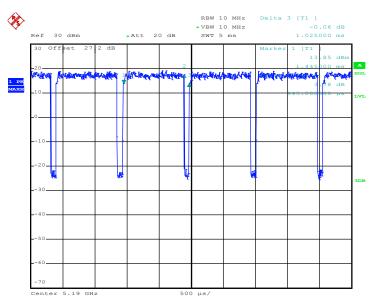
802.11n HT20



Date: 21.FEB.2019 06:34:50

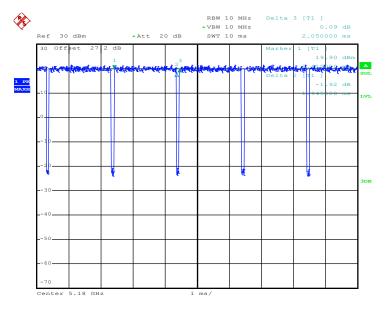
TEL: 886-3-327-3456 Page Number : C2 of C13





Date: 21.FEB.2019 06:40:51

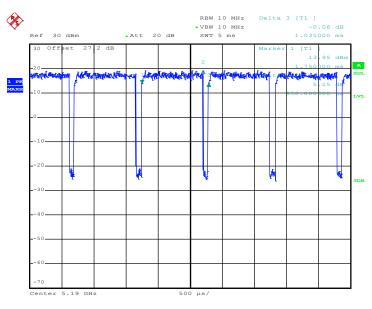
802.11ac VHT20



Date: 21.FEB.2019 06:35:40

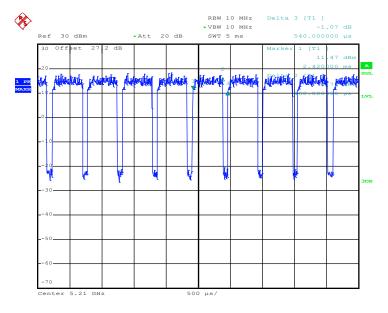
TEL: 886-3-327-3456 Page Number : C3 of C13

802.11ac VHT40



Date: 21.FEB.2019 06:41:50

802.11ac VHT80



Date: 21.FEB.2019 06:49:47

TEL: 886-3-327-3456 Page Number : C4 of C13

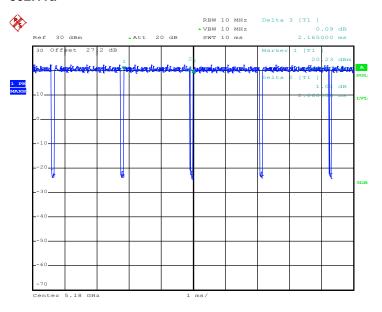


FCC RADIO TEST REPORT

Report No.: FR911110-03D

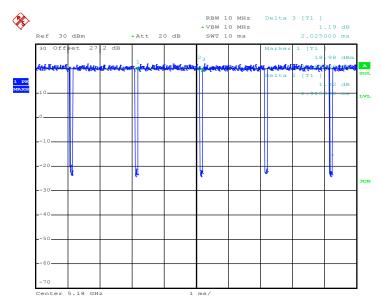
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Date: 21.FEB.2019 06:29:39

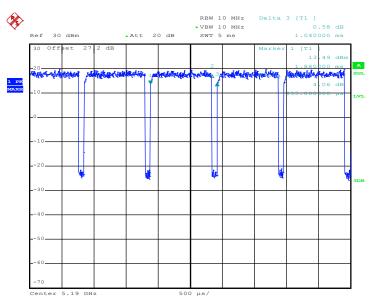
802.11n HT20



Date: 21.FEB.2019 06:34:03

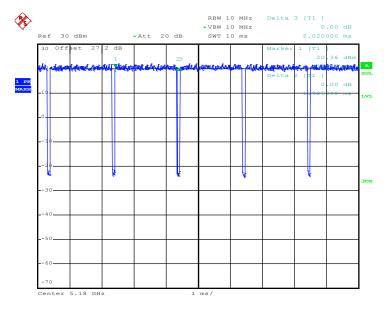
TEL: 886-3-327-3456 Page Number : C5 of C13





Date: 21.FEB.2019 06:40:10

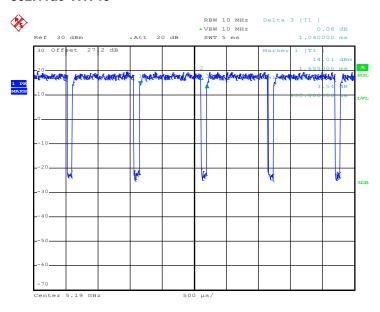
802.11ac VHT20



Date: 21.FEB.2019 06:36:16

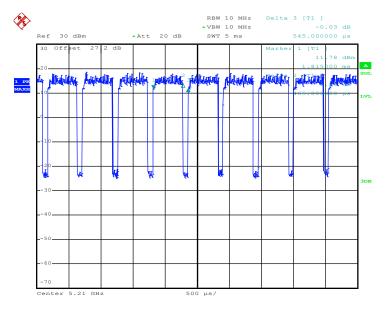
TEL: 886-3-327-3456 Page Number : C6 of C13

802.11ac VHT40



Date: 21.FEB.2019 06:42:33

802.11ac VHT80



Date: 21.FEB.2019 06:46:54

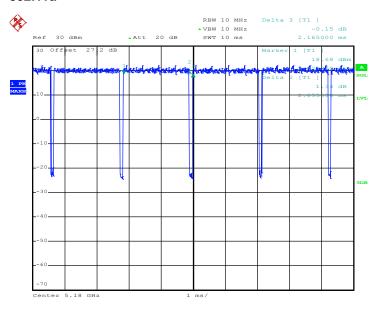
TEL: 886-3-327-3456 Page Number : C7 of C13

FCC RADIO TEST REPORT

Report No.: FR911110-03D

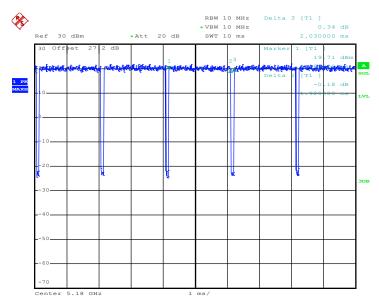
MIMO <Ant. 1>





Date: 21.FEB.2019 06:31:07

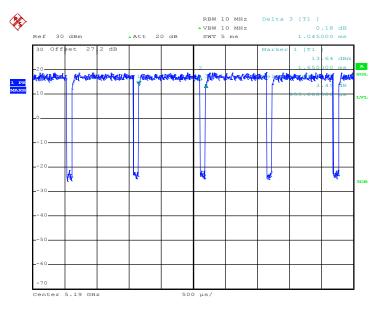
802.11n HT20



Date: 21.FEB.2019 06:33:13

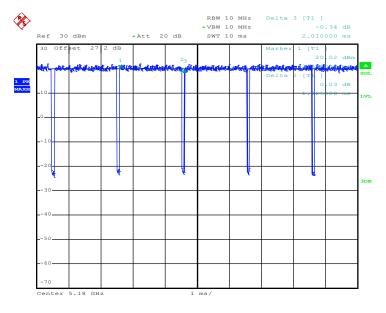
TEL: 886-3-327-3456 Page Number : C8 of C13





Date: 21.FEB.2019 06:38:46

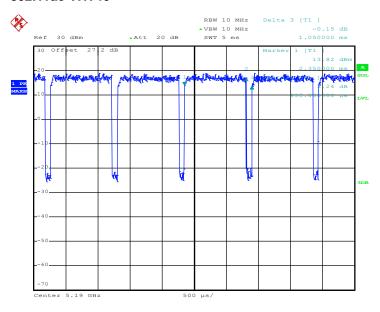
802.11ac VHT20



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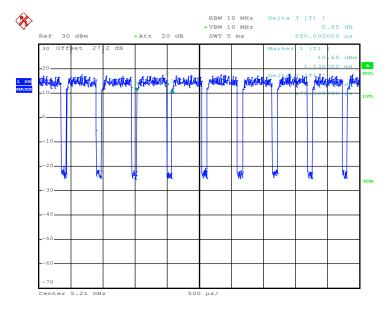
TEL: 886-3-327-3456 Page Number : C9 of C13

802.11ac VHT40



Date: 21.FEB.2019 06:43:07

802.11ac VHT80



Date: 21.FEB.2019 06:46:16

FAX: 886-3-328-4978

TEL: 886-3-327-3456 Page Number : C10 of C13

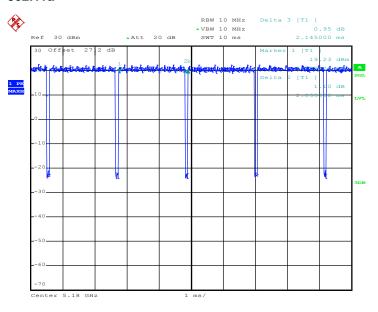


FCC RADIO TEST REPORT

Report No.: FR911110-03D

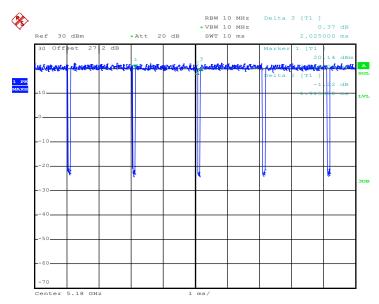
MIMO <Ant. 2>

802.11a



Date: 21.FEB.2019 06:31:45

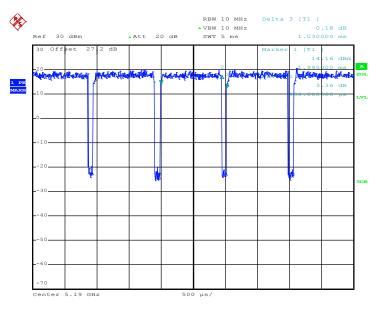
802.11n HT20



Date: 21.FEB.2019 06:32:36

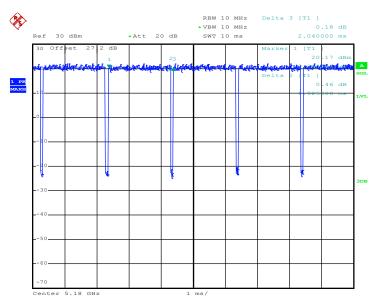
TEL: 886-3-327-3456 Page Number : C11 of C13





Date: 21.FEB.2019 06:39:34

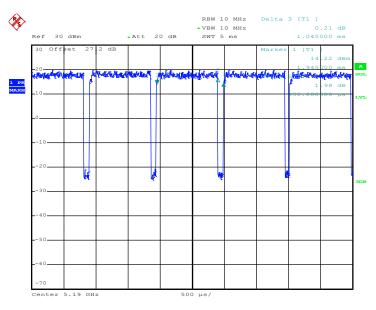
802.11ac VHT20



Date: 21.FEB.2019 06:37:25

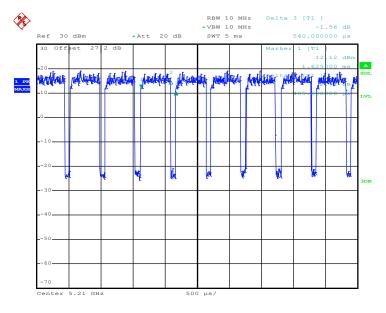
TEL: 886-3-327-3456 Page Number : C12 of C13





Date: 21.FEB.2019 06:43:31

802.11ac VHT80



Date: 21.FEB.2019 06:44:41

TEL: 886-3-327-3456 Page Number : C13 of C13