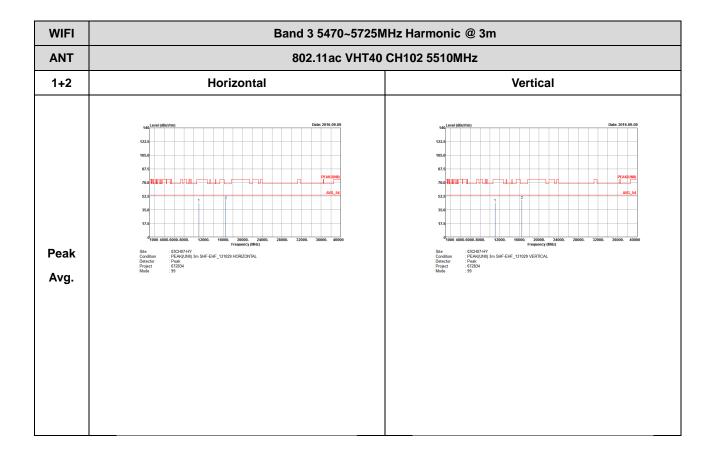
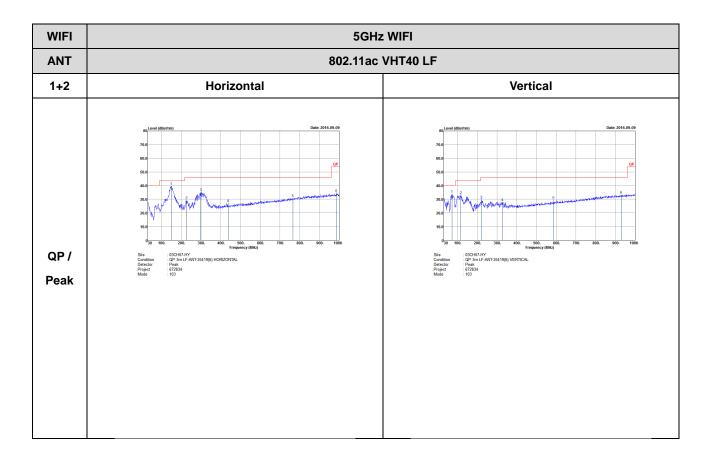


Band 3 - 5470~5725MHz WIFI 802.11ac VHT40 (Harmonic @ 3m) (Earphone2)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

Emission below 1GHz 5GHz WIFI 802.11ac VHT40 (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978

Appendix C. Radiated Spurious Emission

Took Frankraan	Luke Chang, Ken Wu, Derreck Chen, Jesse Wang, and	Temperature :	21~24 ℃
Test Engineer :	James Chiu	Relative Humidity:	50~55%

Report No.: FR672834E

: C4-1 of C100

Note symbol

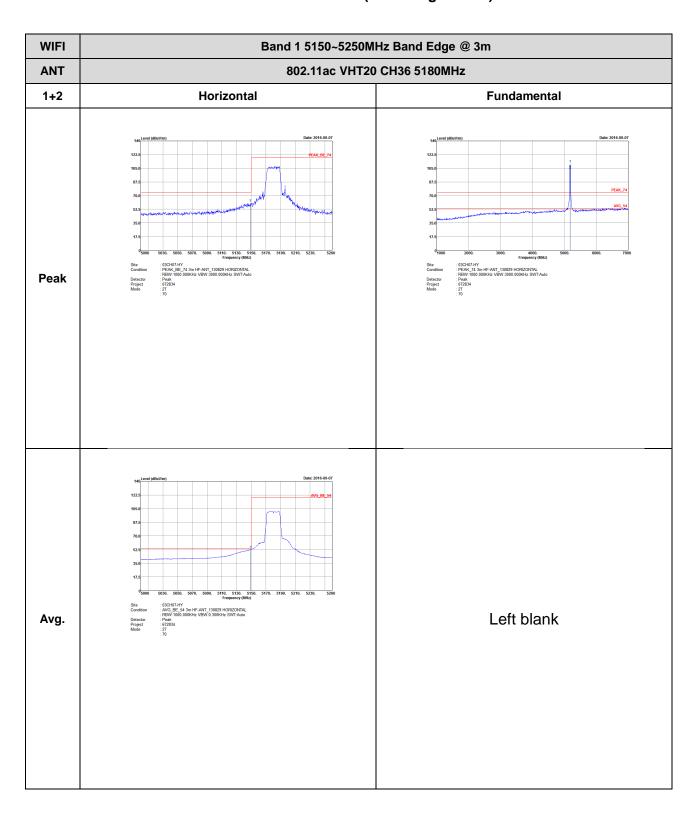
-L	Low channel location
-R	High channel location

SPORTON INTERNATIONAL INC.

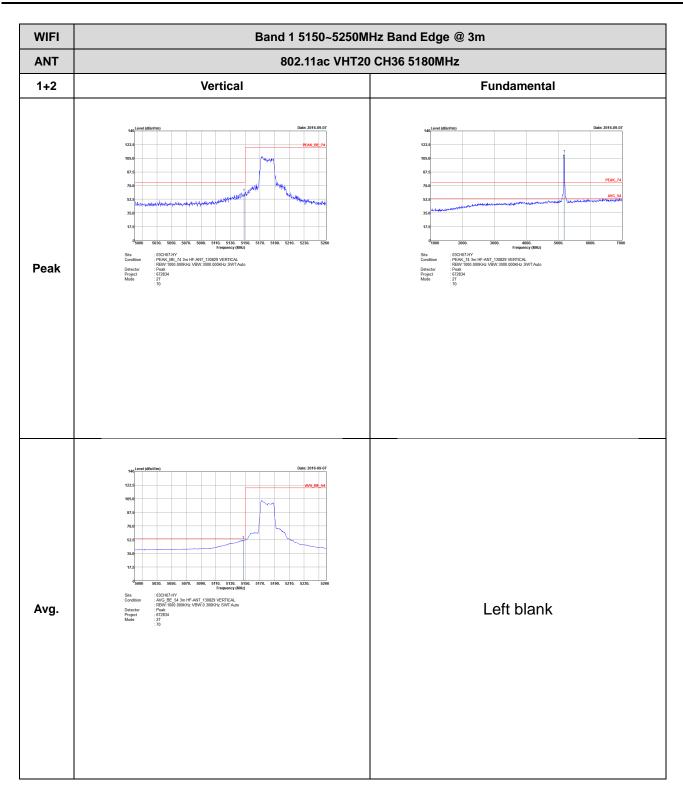
TEL: 886-3-327-3456

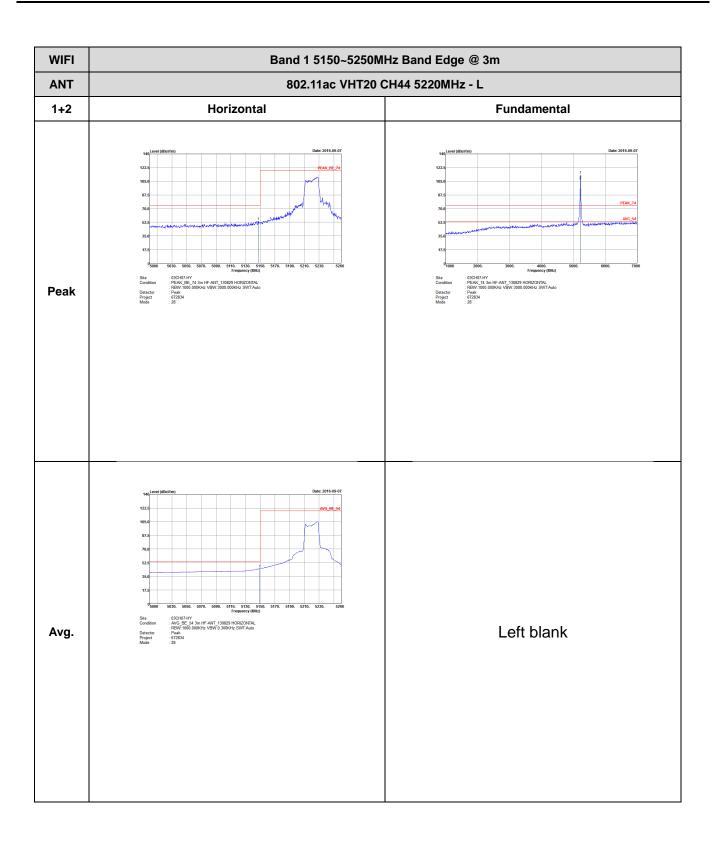
FAX: 886-3-328-4978 Page Number

Band 1 - 5150~5250MHz WIFI 802.11ac VHT20 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	T40, Level (#thi/mp) 1223 1055 Factor Fact	Left blank
Avg.	140, Errot (ellov/m) 1223 1058 87.5 17.0 17	Left blank

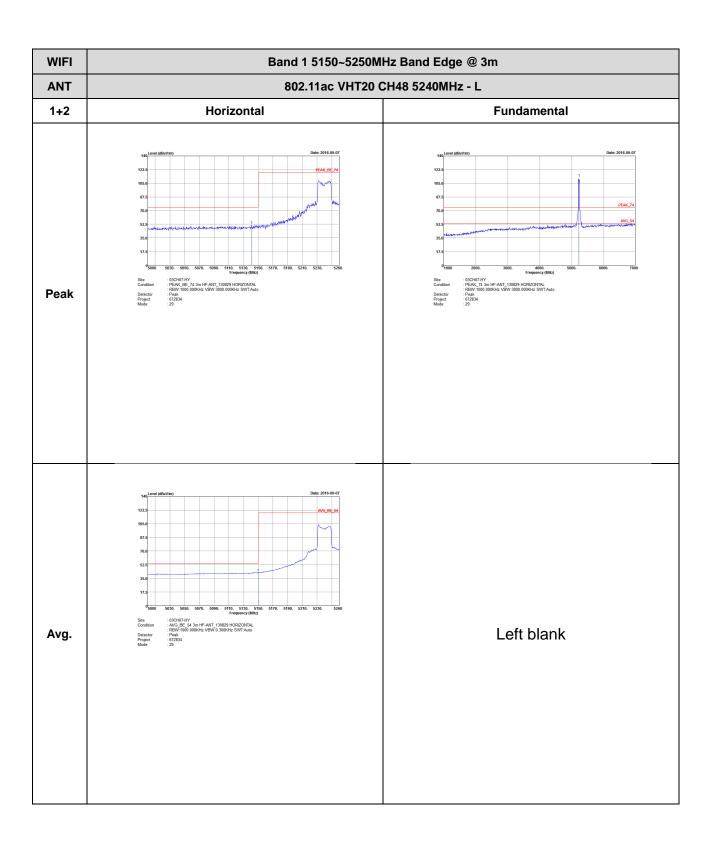
WIFI Band 1 5150~5250MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT20 CH44 5220MHz - L 1+2 Vertical **Fundamental** Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 28 Left blank Avg.

TEL: 886-3-327-3456 FAX: 886-3-328-4978

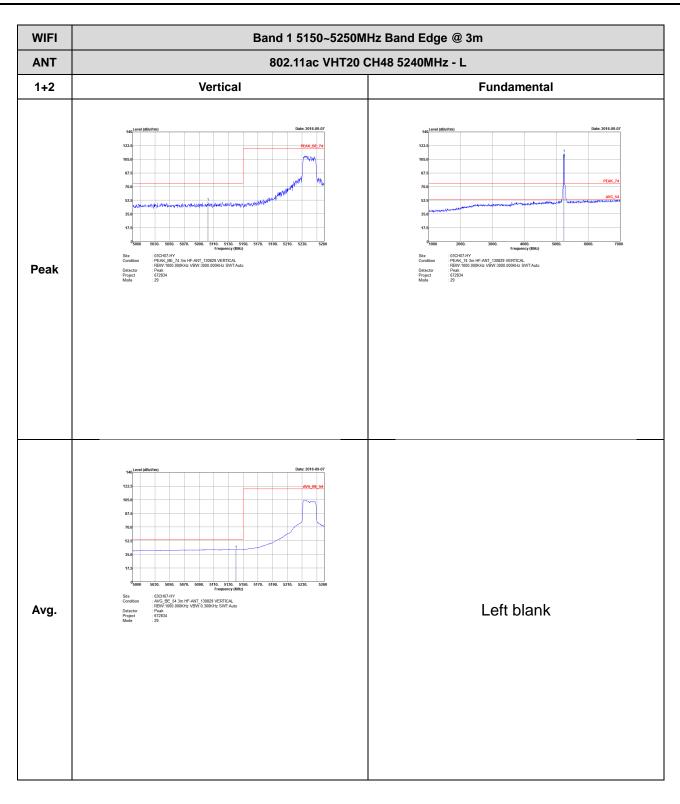


WIFI Band 1 5150~5250MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT20 CH44 5220MHz - R 1+2 Vertical **Fundamental** Left blank Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 28 Left blank Avg.

TEL: 886-3-327-3456 FAX: 886-3-328-4978



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal Fundamental	
Peak	122.5 105.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17	Left blank
Avg.	122.5 195.9 172.9 172.9 172.9 172.9 173.9 174.9 175.9 175.9 175.9 176.9	Left blank

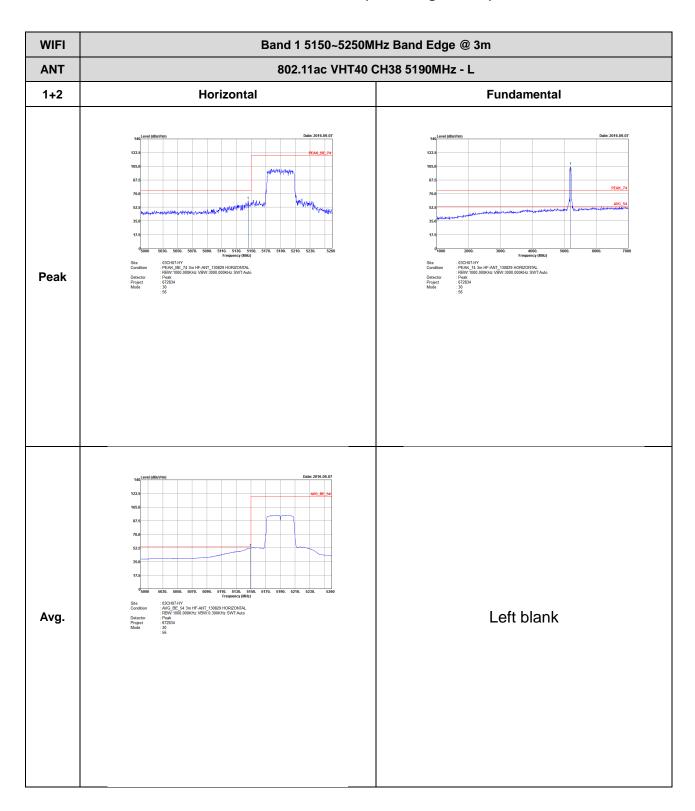




WIFI Band 1 5150~5250MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT20 CH48 5240MHz - R 1+2 Vertical **Fundamental** Left blank Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT-Auto : Peak : 672834 : 29 Left blank Avg.

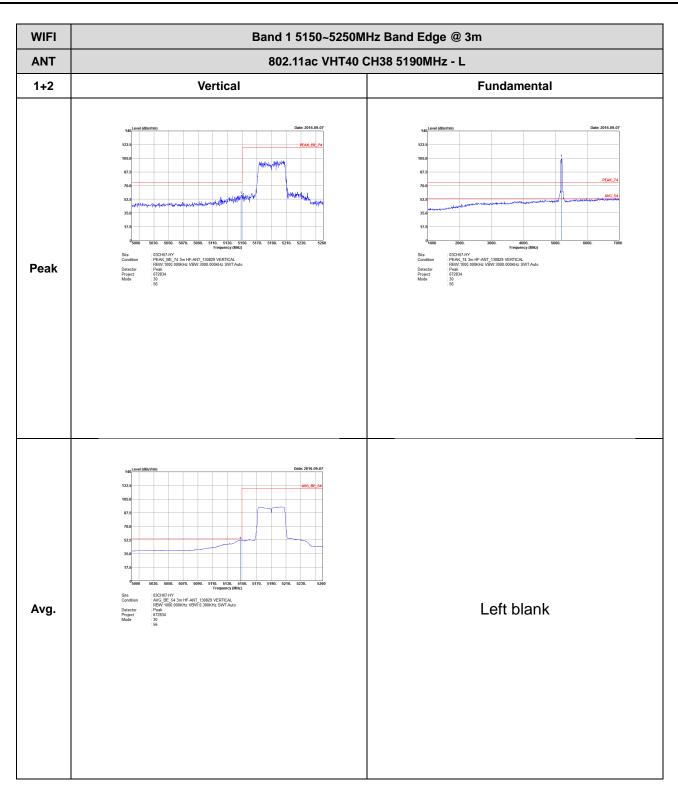
TEL: 886-3-327-3456 FAX: 886-3-328-4978

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



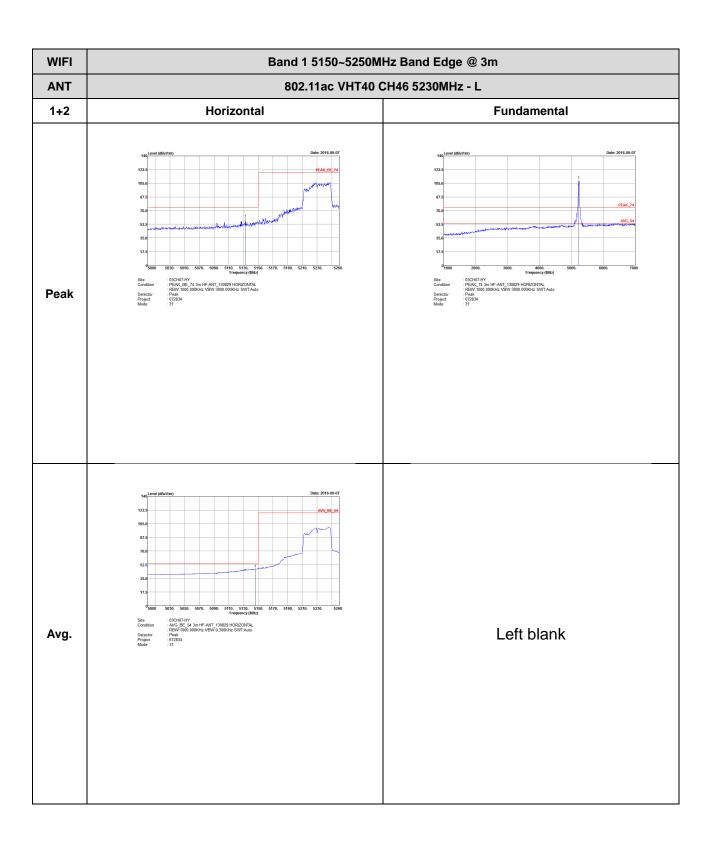
TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	140 Level (dishv/m) 122.3 195.0 87.0 172.4 195.0 172.5 195.0 172.6 172	Left blank
Avg.	140. Level (etita/vim) 172.9 195.0 175.0 176.0 177.0	Left blank



WIFI Band 1 5150~5250MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT40 CH38 5190MHz - R 1+2 Vertical **Fundamental** Left blank Peak 03CH07-HY AVG_BE_54 3m HF-ANT_130829 VERTICAL RBW:1000.000KHz VBW:0.300KHz SWT:Auto Peak 672834 56 Left blank Avg.

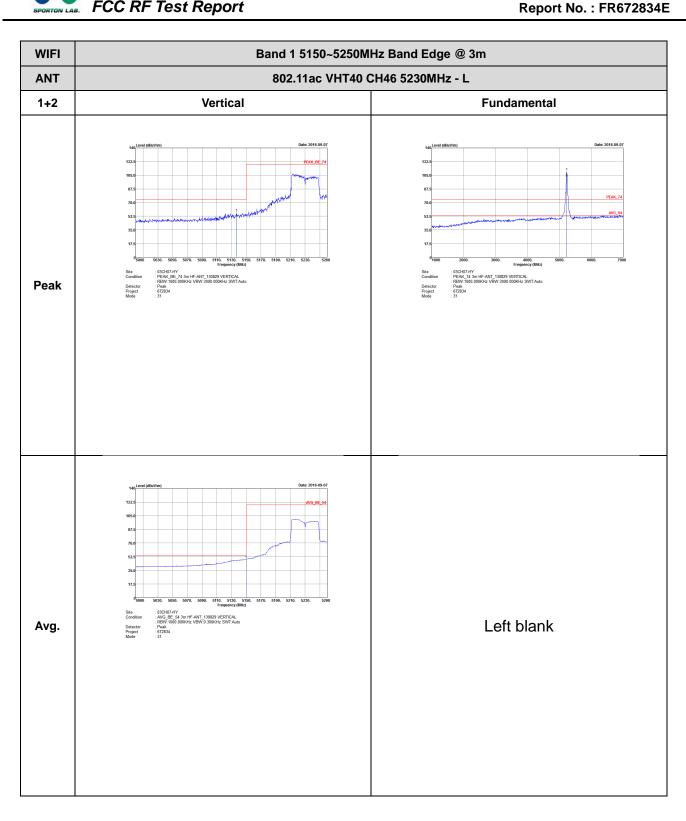
TEL: 886-3-327-3456 FAX: 886-3-328-4978



WIFI Band 1 5150~5250MHz Band Edge @ 3m **ANT** 802.11ac VHT40 CH46 5230MHz - R 1+2 Horizontal **Fundamental** Peak Left blank . 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 HORIZONTAL : RBW-1000.000KHz VBW-0.300KHz SWT-Auto - Peak 672834 31 Left blank Avg.

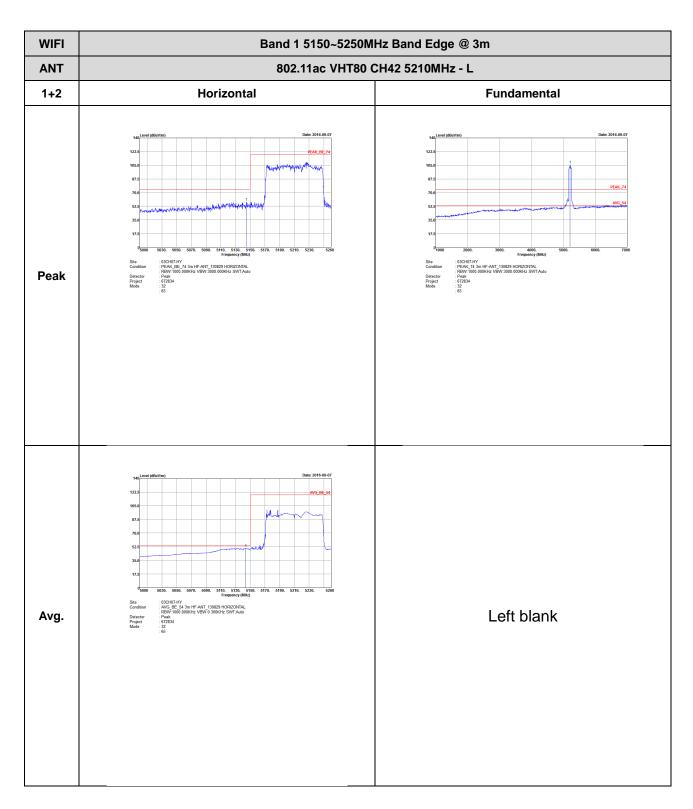
TEL: 886-3-327-3456 FAX: 886-3-328-4978





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak	140 Level (ethol/m) 122.3 165.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Left blank
Avg.	140, Level (dilavirs) 122,5 195,0 197,0 177,5 178,0 177,5 178,0 177,5 178,0 177,5 178,0 177,5 178,0 177,5 178,0 177,5 178,0 177,5 178,0	Left blank

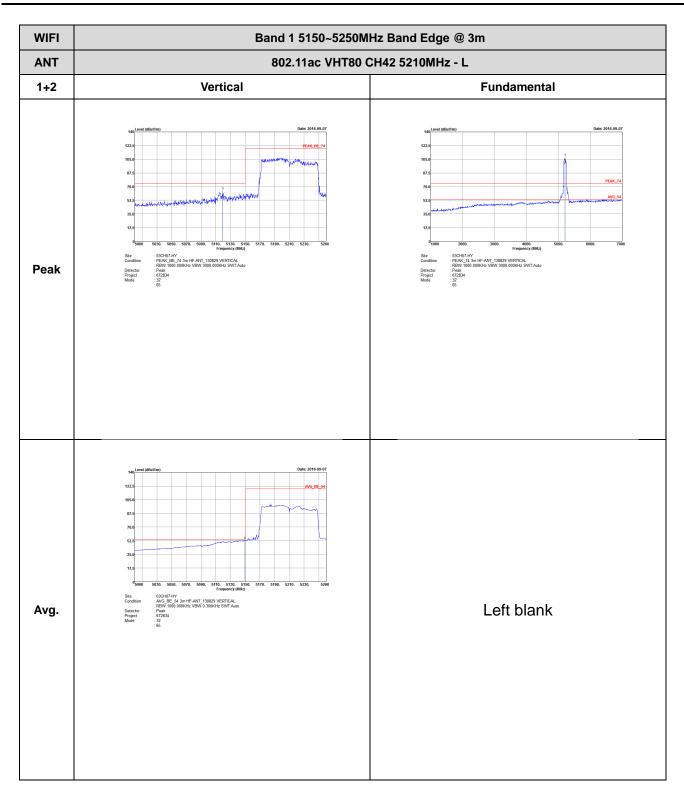
Band 1 5150~5250MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

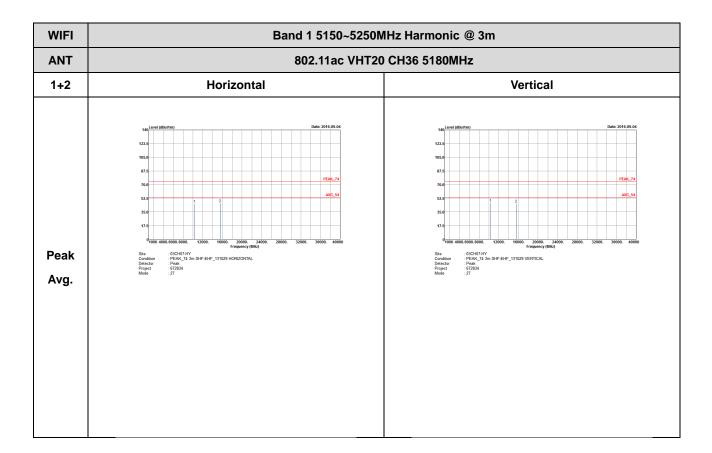
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 C	CH42 5210MHz - R
1+2	Horizontal	Fundamental
Peak	102.2 105.0 107.2	Left blank
Avg.	146 Level (dBMV/m) 122.9 155.0 87.5 78.0 52.2 52.0 52	Left blank



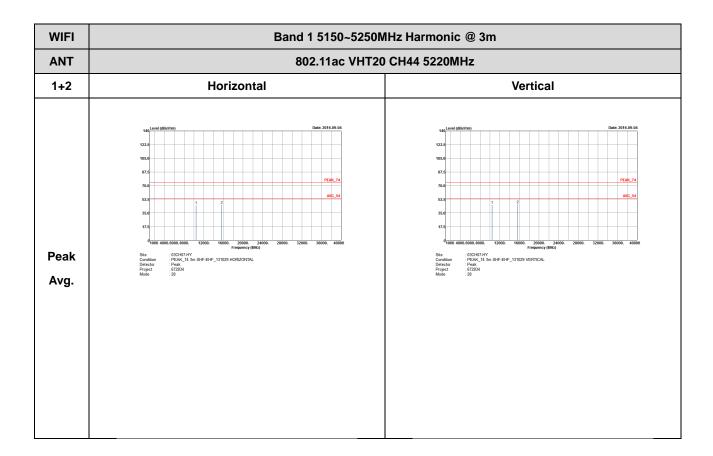


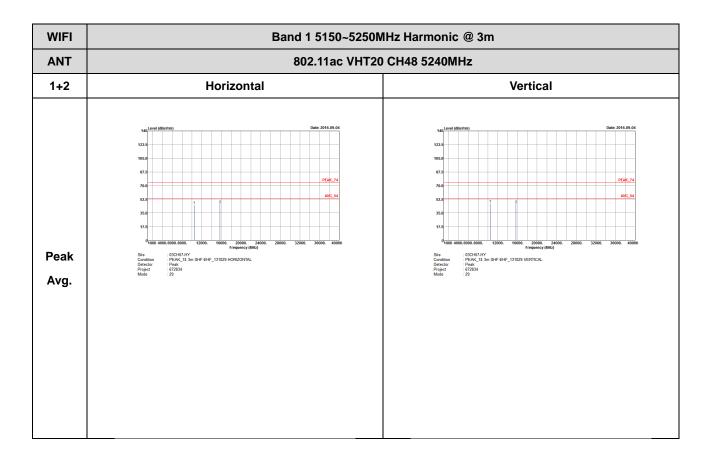
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	12.5.5 10.5.0 17	Left blank
Avg.	146 Level (effect/tm) 122.5 105.0 87.5 78.0 52.5 53.0 117.5 9.5220 5200. 5270. 5280. 5310. 5330. 5330. 5370. 5380. 5410. 5430. 5460 Size : 000/073/Y Condition : ROW (Ell 54 3m HF-ANT 1006/3 VERTICAL : ROW 1000 0000012 VSVV 0.3006/stz SVVT. Auto : Proport : Size : 100 000012 VSV 0.3006/stz SVVT. Auto : 122 Mode : 32 Size : 100 000012 VSVV 0.3006/stz SVVT. Auto : 123 Size : 100 000012 VSVV 0.3006/stz SVVT. Auto : 124 Size : 125 Size : 1	Left blank

Band 1 - 5150~5250MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)

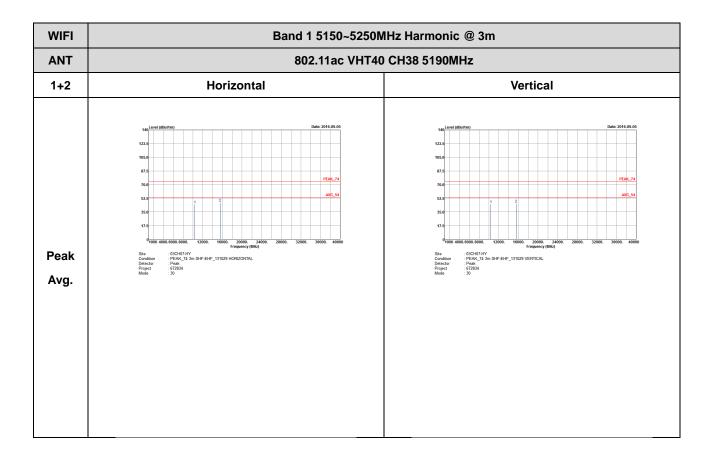


TEL: 886-3-327-3456 FAX: 886-3-328-4978

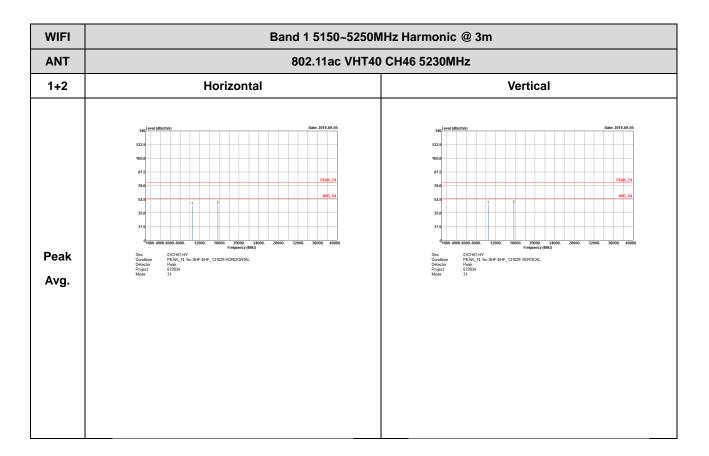




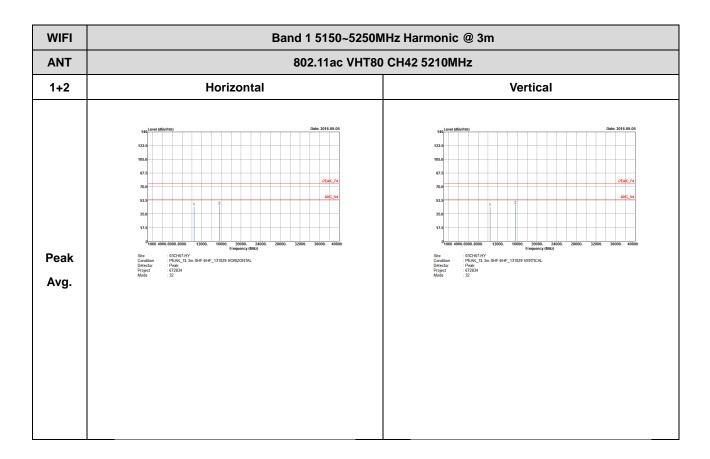
Band 1 5150~5250MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

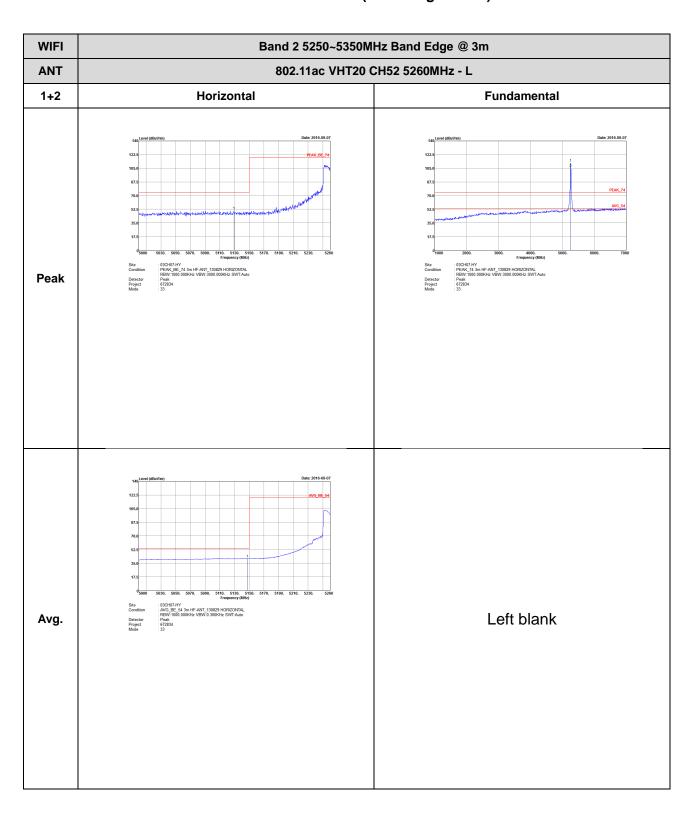


Band 1 5150~5250MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

Band 2 - 5250~5350MHz WIFI 802.11ac VHT20 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI		
ANT		
1+2	Horizontal	Fundamental
Peak	140 Level (dibt/lev) 1223 155.0 17.0 17.0 17.0 17.5 17.0 17.5 1	Left blank
Avg.	146 Levnel (efflavirm) 122.5 905.0 87.5 78.0 92.20 52.50 52.70 52.0 53.0 17.5 Sale 1 03.0167 27V Condition	Left blank

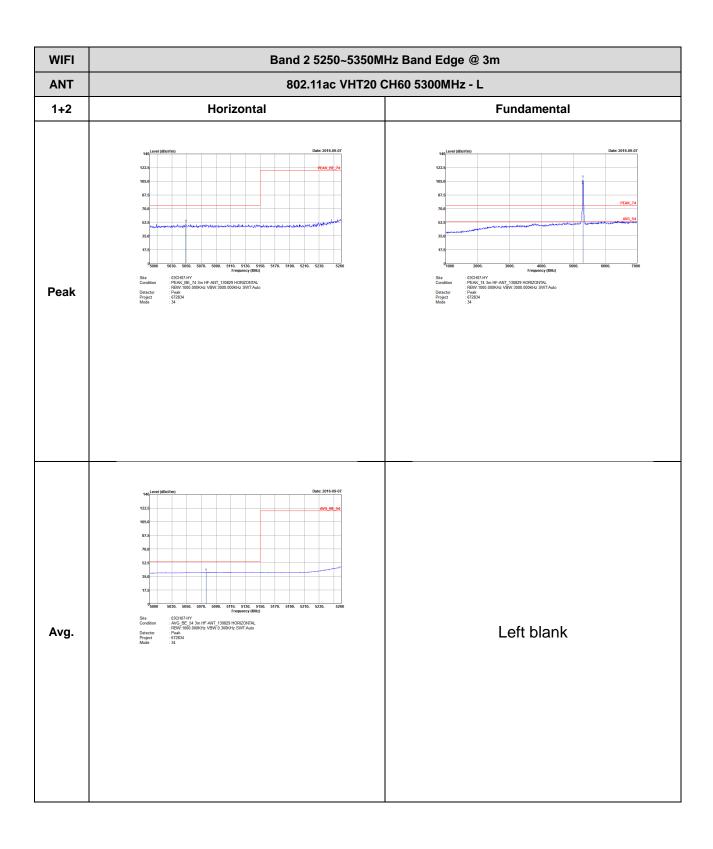
WIFI Band 2 5250~5350MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT20 CH52 5260MHz - L 1+2 Vertical **Fundamental** Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 33 Left blank Avg.

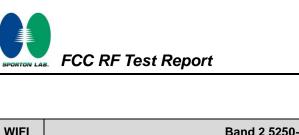
TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI Band 2 5250~5350MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT20 CH52 5260MHz - R 1+2 Vertical **Fundamental** Left blank Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 33 Left blank Avg.

TEL: 886-3-327-3456 FAX: 886-3-328-4978

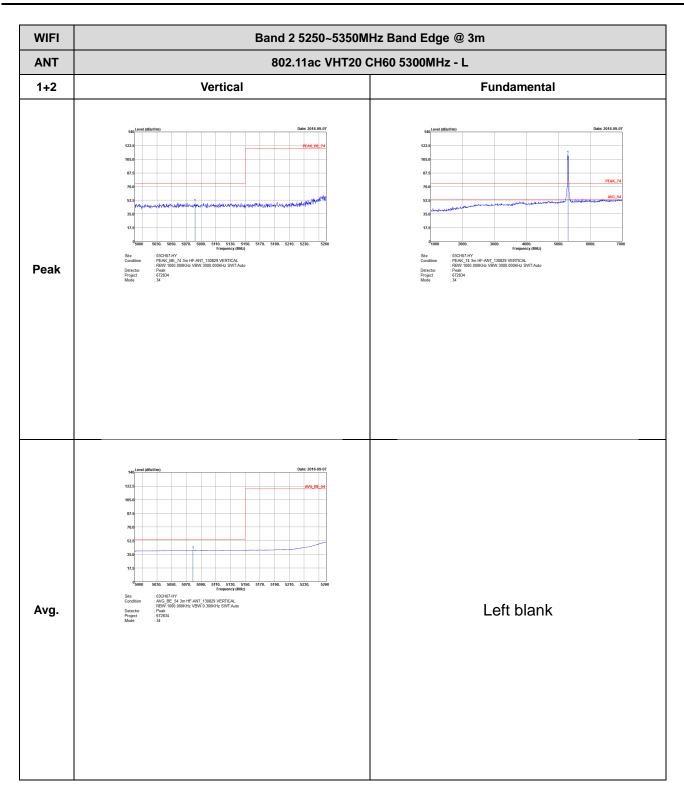


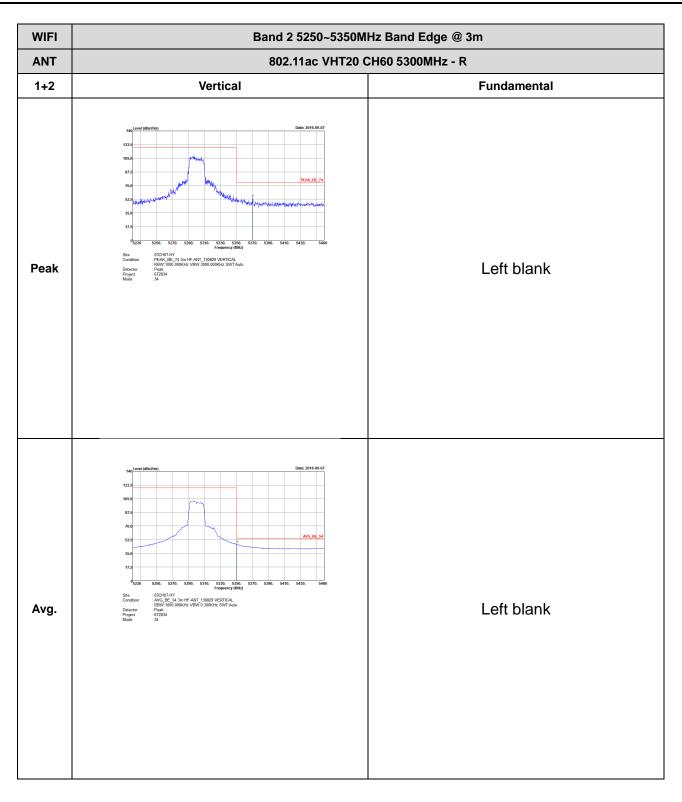




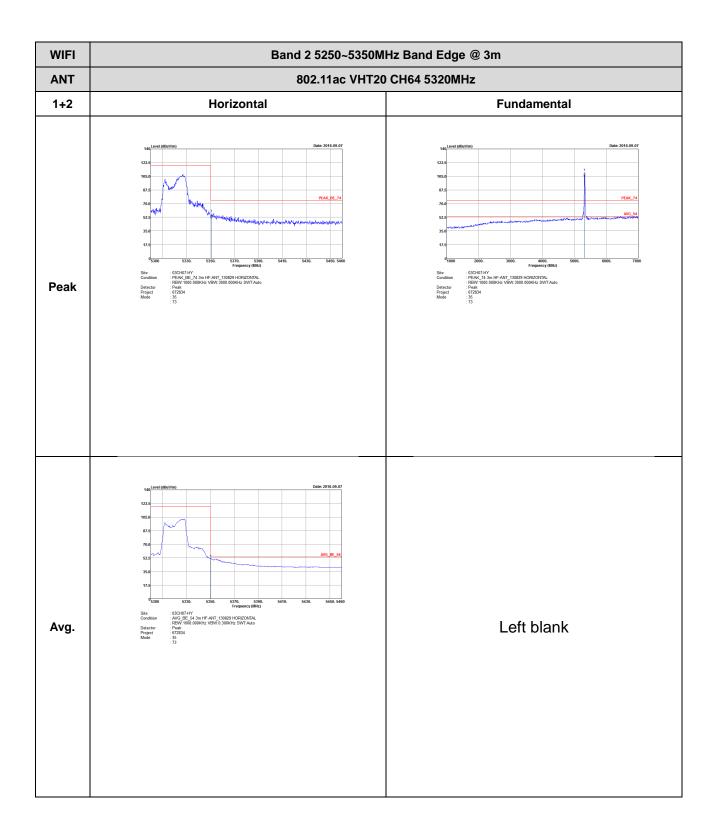
WIFI	Band 2 5250~5350MHz Band Edge @ 3m		
ANT	802.11ac VHT20 CH60 5300MHz - R		
1+2	Horizontal	Fundamental	
Peak	148, forest (680-Vinn) 1225 100-00 175-5 100-00 175-5 175-5 175-5 175-6 175-7	Left blank	
Avg.	140, Serie (600/Vm) 122,5 100,0 10	Left blank	



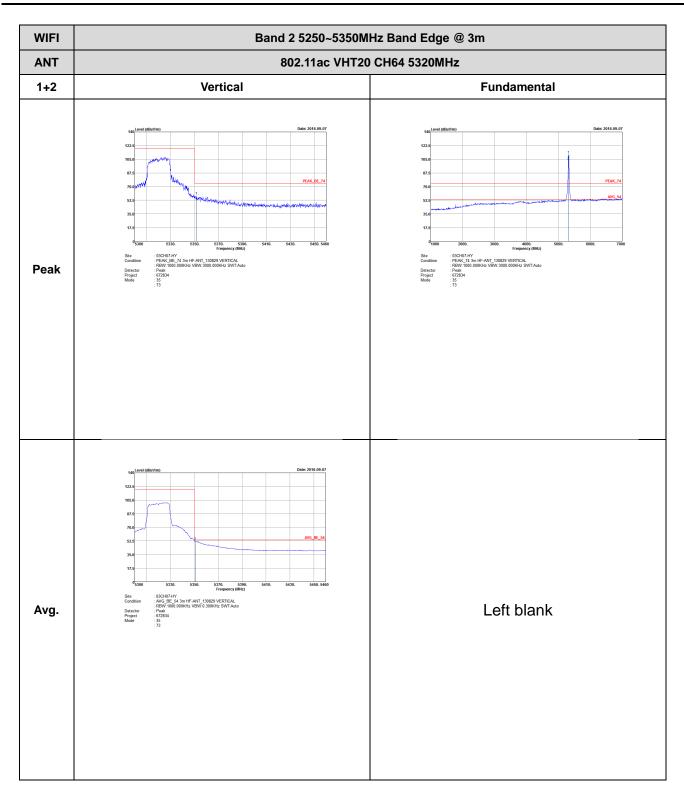




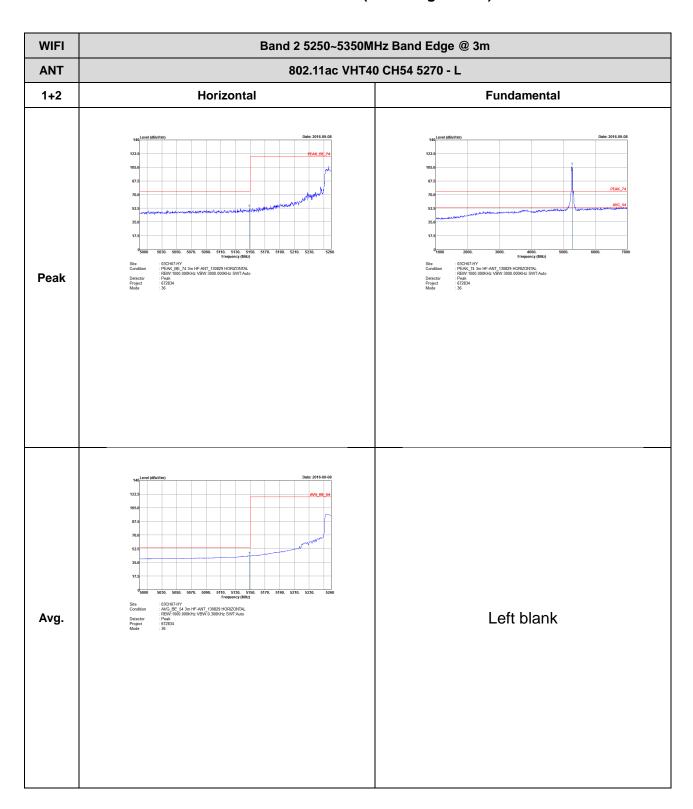




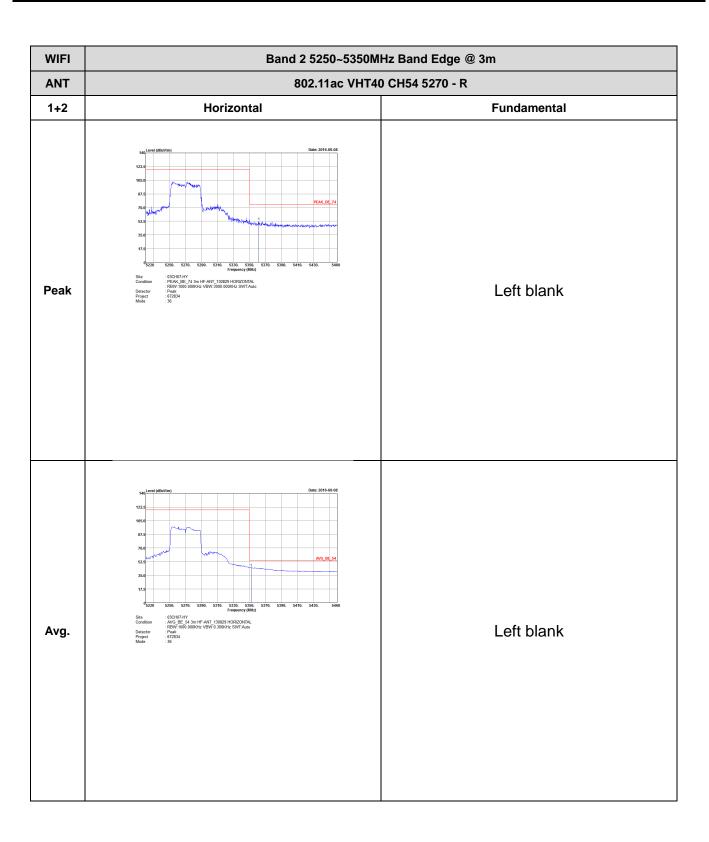


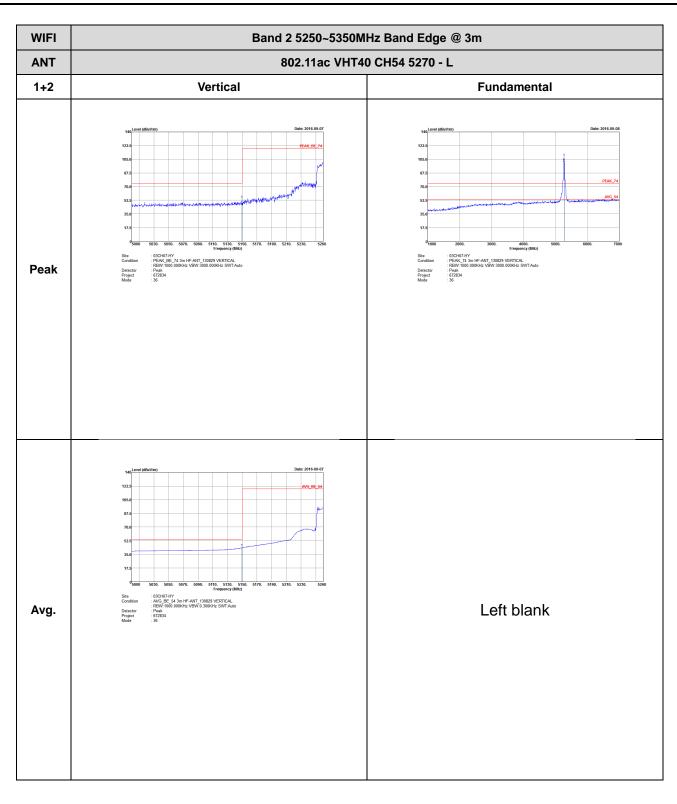


Band 2 5250~5350MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

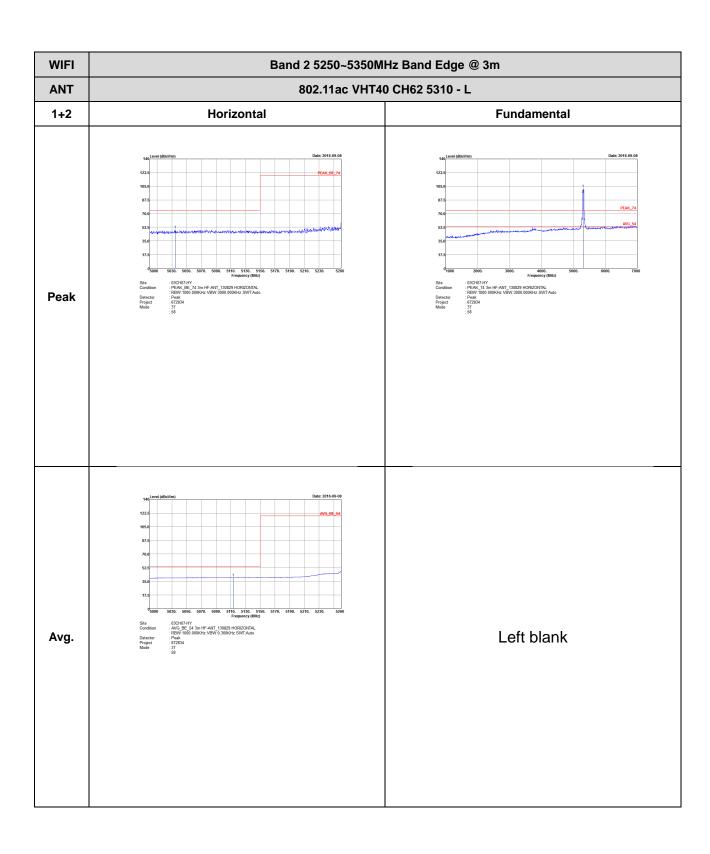


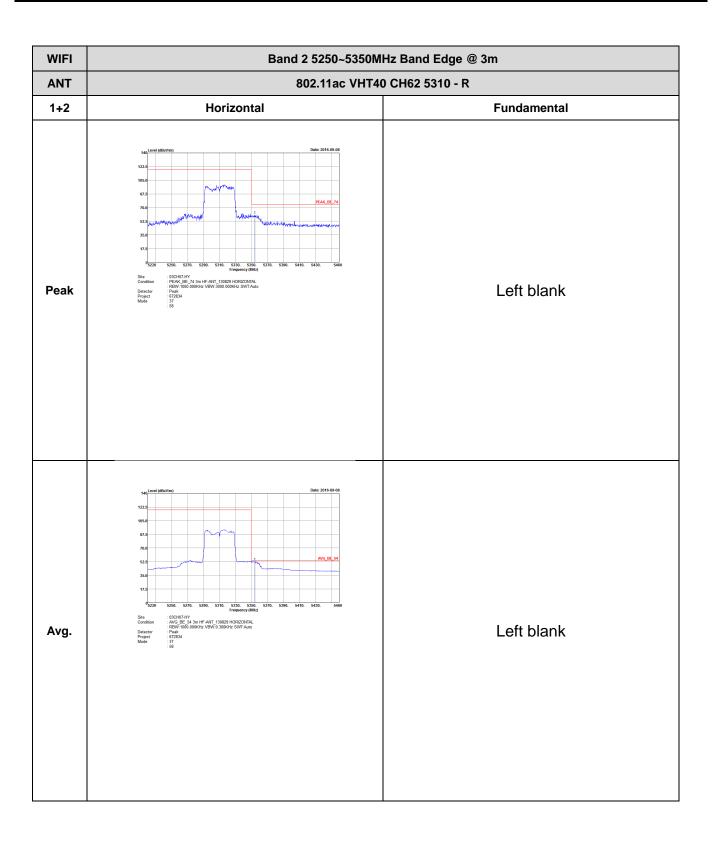




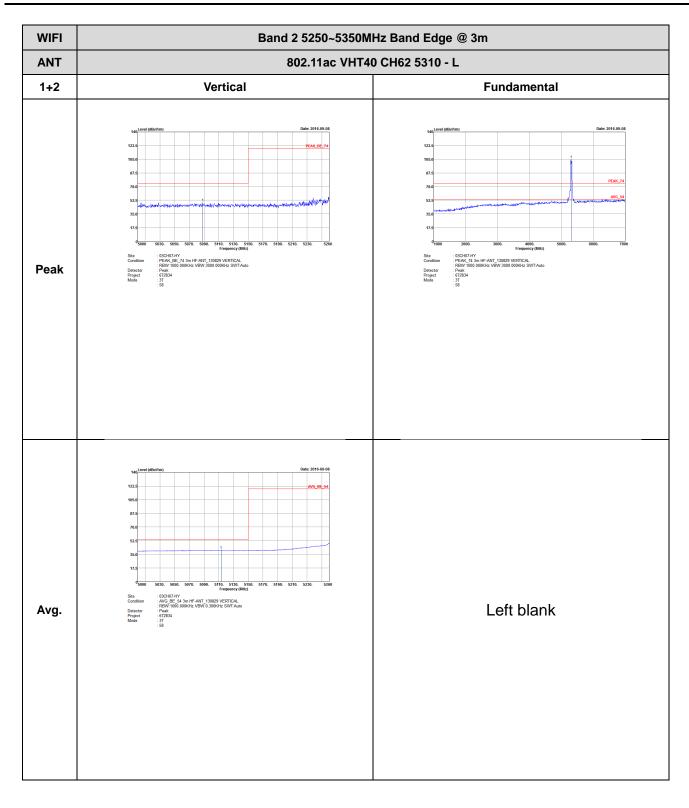
WIFI Band 2 5250~5350MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT40 CH54 5270 - R 1+2 Vertical **Fundamental** Left blank Peak : 03CH07-HY : AVG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 35 Left blank Avg.

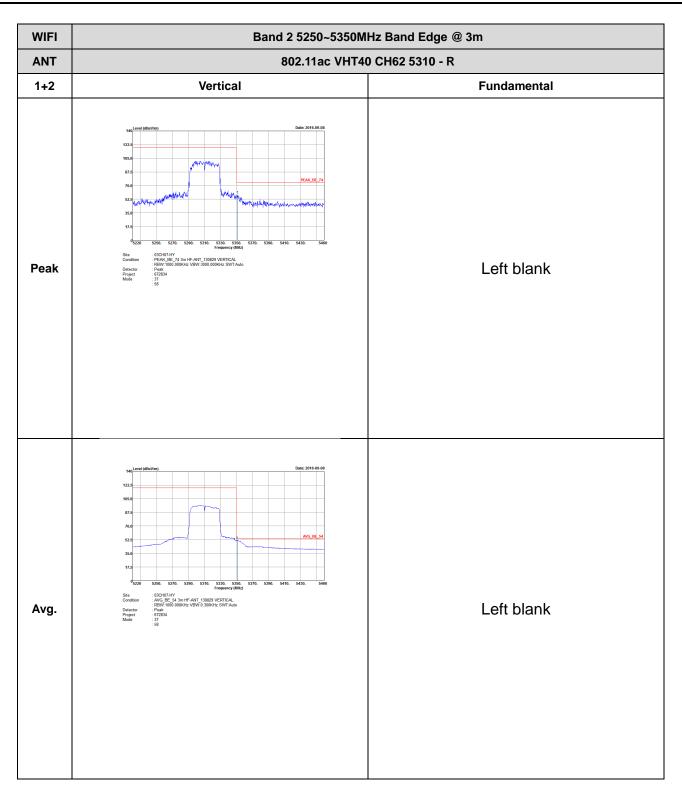
TEL: 886-3-327-3456 FAX: 886-3-328-4978



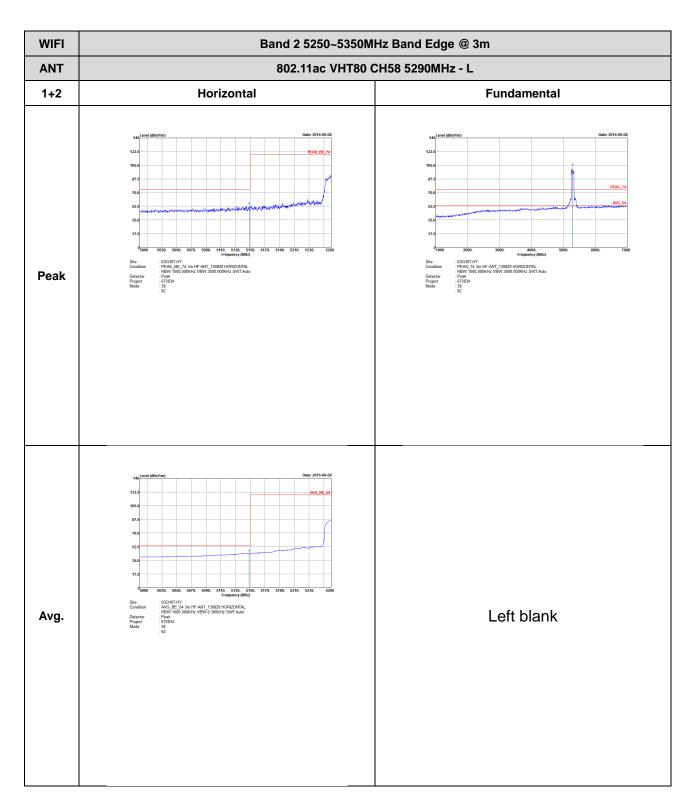








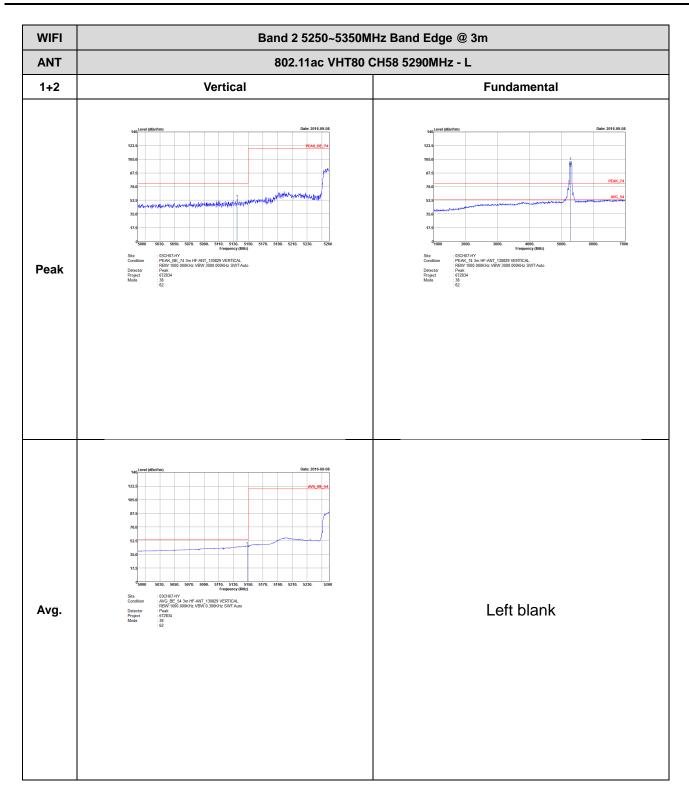
Band 2 5250~5350MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

WIFI		
ANT		
1+2	Horizontal	Fundamental
Peak	1401 Evrel (diffe/min) Date: 2016-09-08 172.5 185.0 17	Left blank
Avg.	140 Level (dith/fm) 1225 160.0 87.5 78.0 487.5 52.5 53.0 17.5 Sile 10.303/07.214 Condition 10.40 E.E.4 3 m.HF ANTL 130829 HORZONAL ENERY HORSONOR's VSVI Auto Pispert Pispert 138 Mode 138 Mode 139 Mode 130 Date: 2016-09-08 ANG, BE 54 A	Left blank



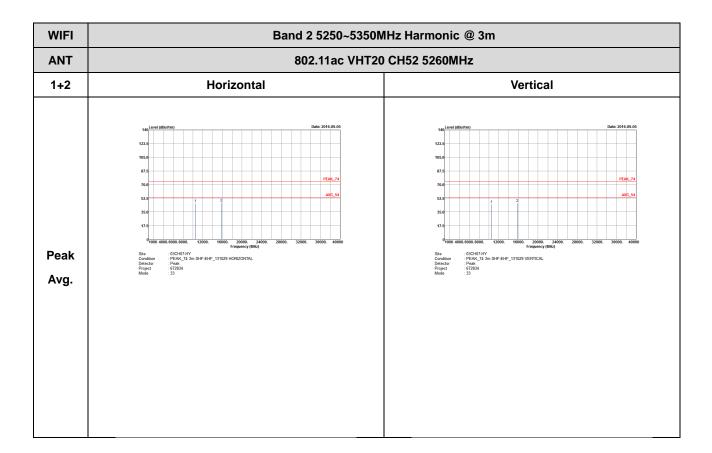




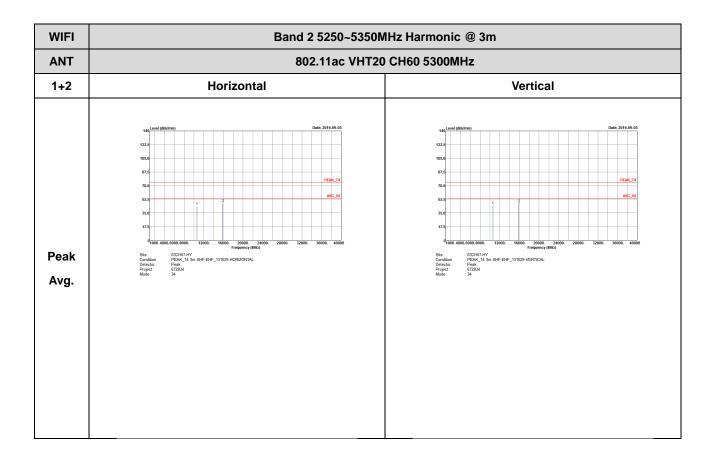
WIFI Band 2 5250~5350MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT80 CH58 5290MHz - R 1+2 Vertical **Fundamental** Left blank Peak : 03CH07-HY : AVIG_BE_54 3m HF-ANT_130829 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto : Peak : 672834 : 38 : 36 : 62 Left blank Avg.

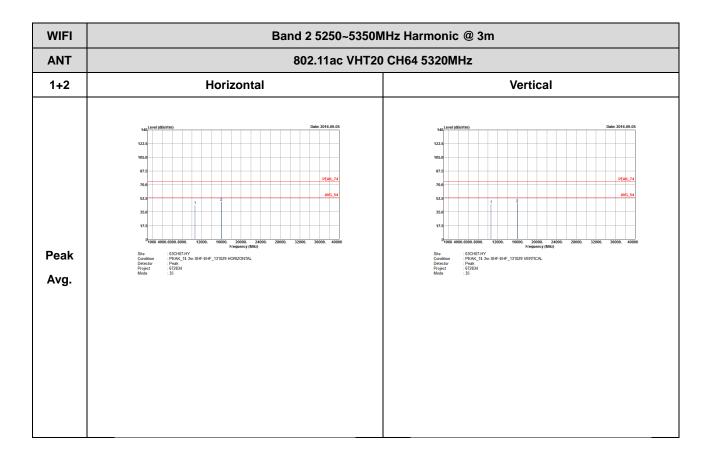
TEL: 886-3-327-3456 FAX: 886-3-328-4978

Band 2 - 5250~5350MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)

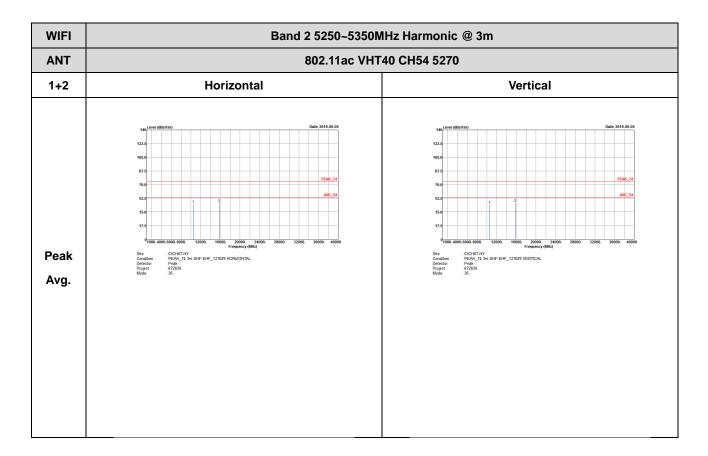


TEL: 886-3-327-3456 FAX: 886-3-328-4978

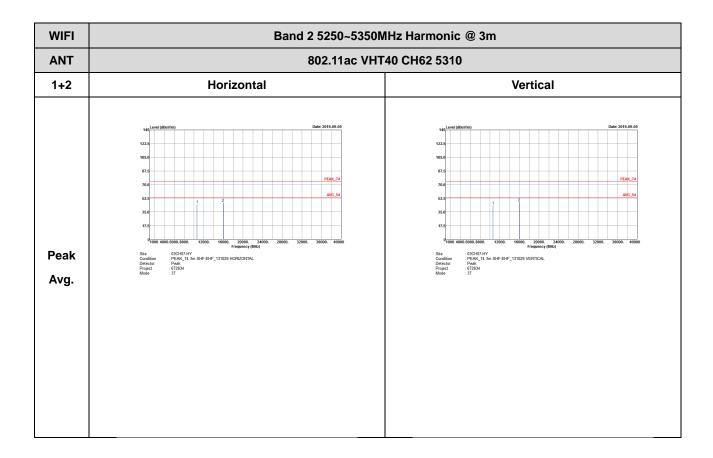




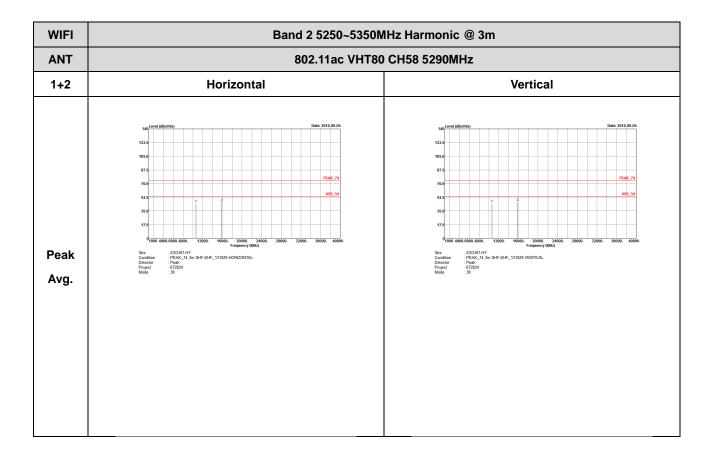
Band 2 5250~5350MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978

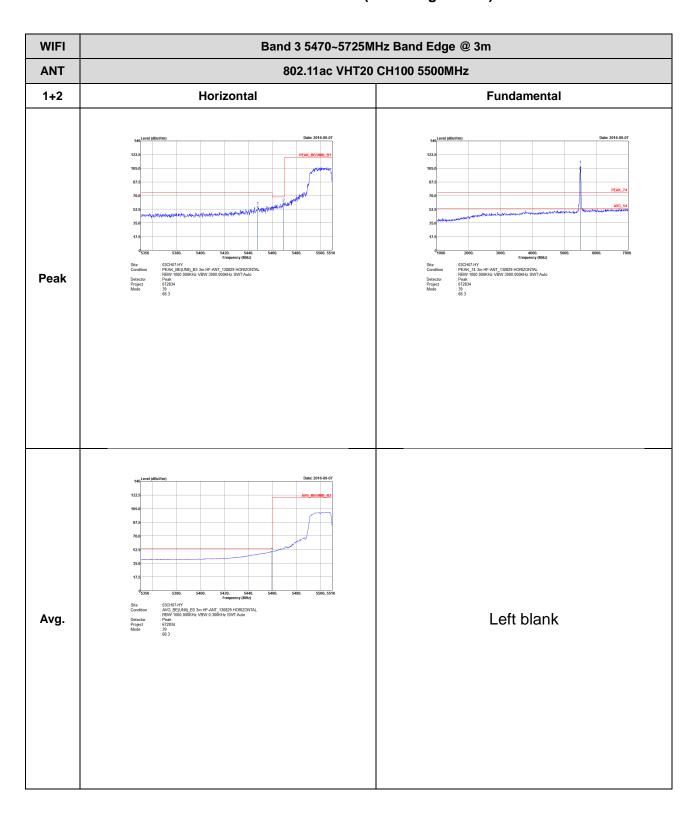


Band 2 5250~5350MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)



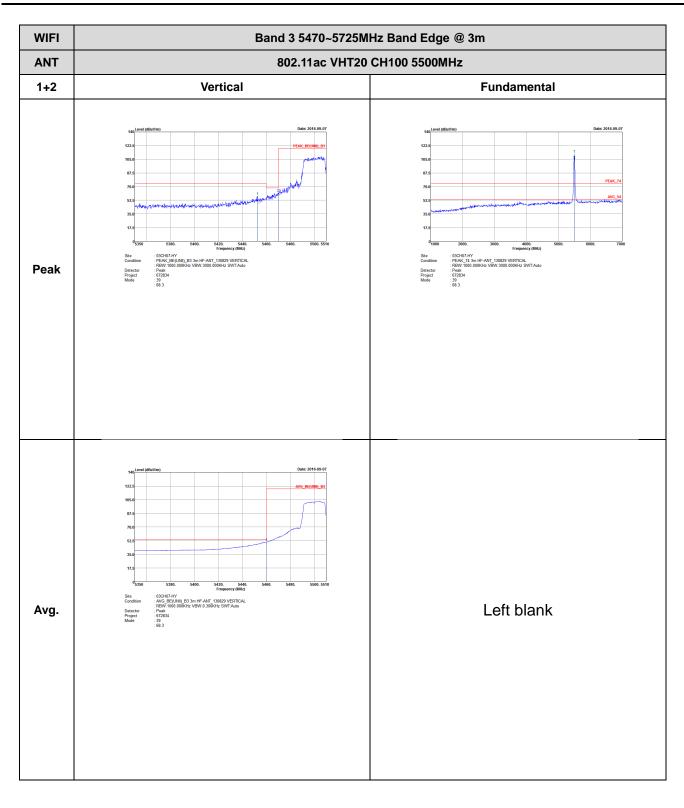
TEL: 886-3-327-3456 FAX: 886-3-328-4978

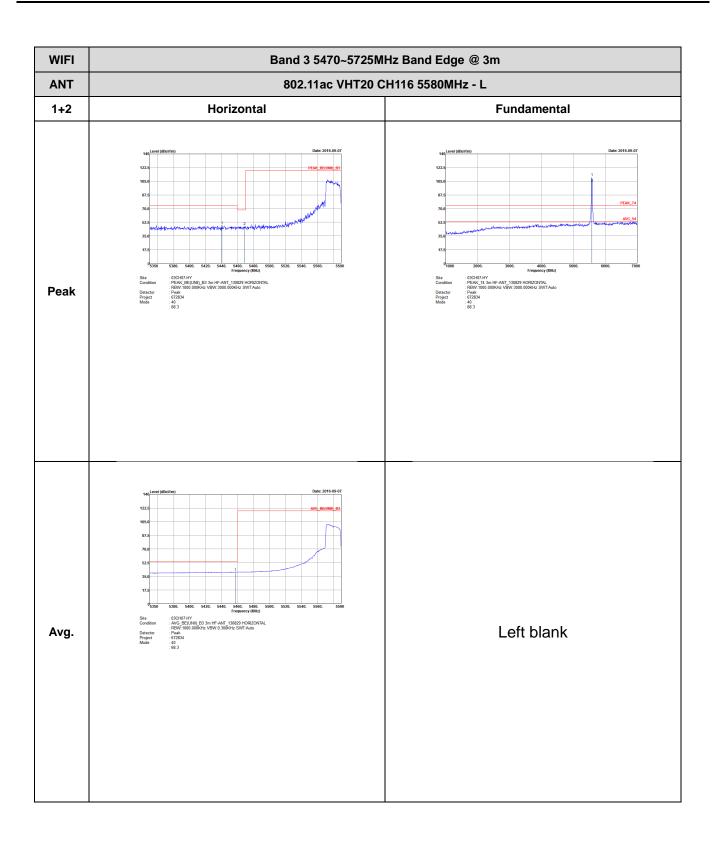
Band 3 - 5470~5725MHz WIFI 802.11ac VHT20 (Band Edge @ 3m)

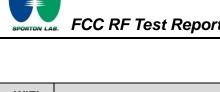


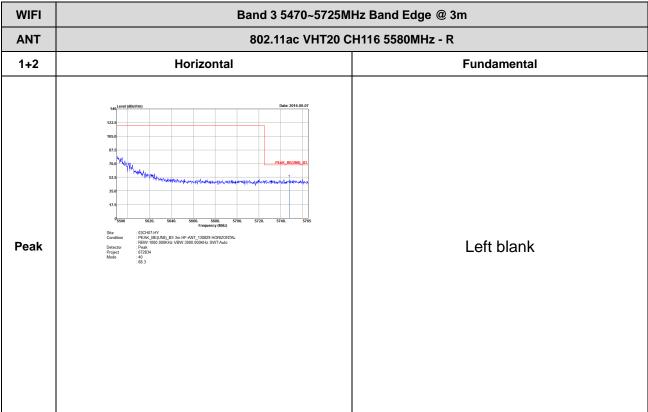
TEL: 886-3-327-3456 FAX: 886-3-328-4978

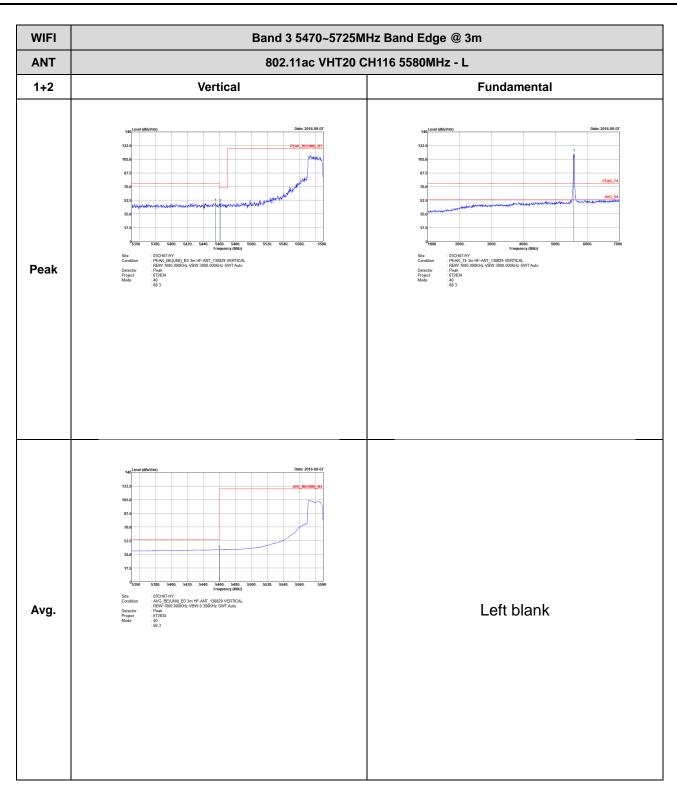




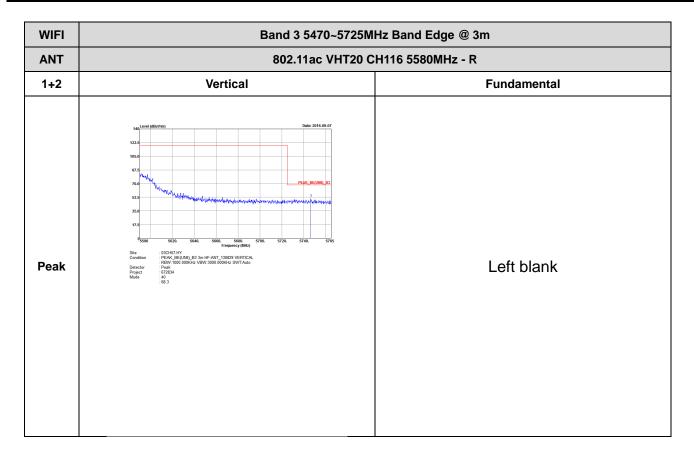




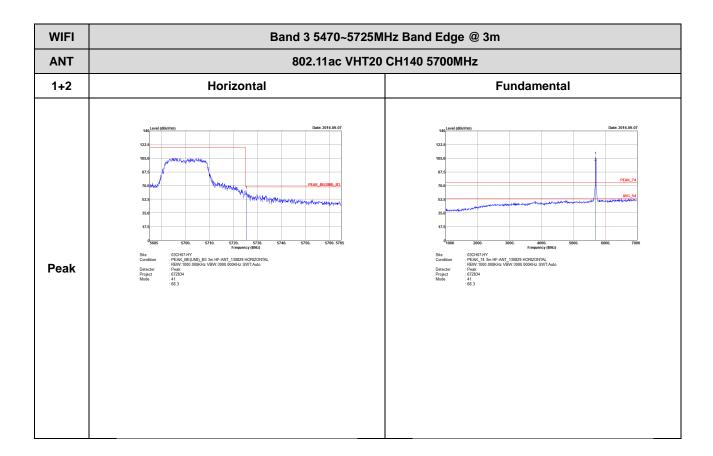


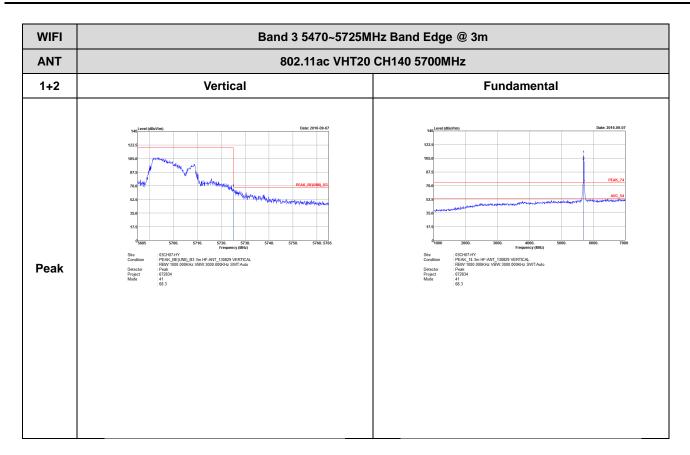




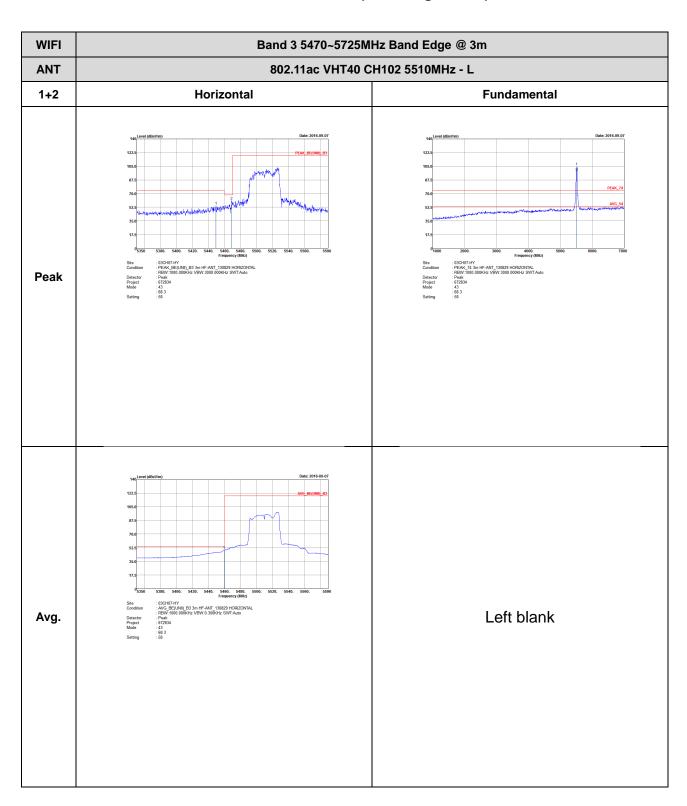




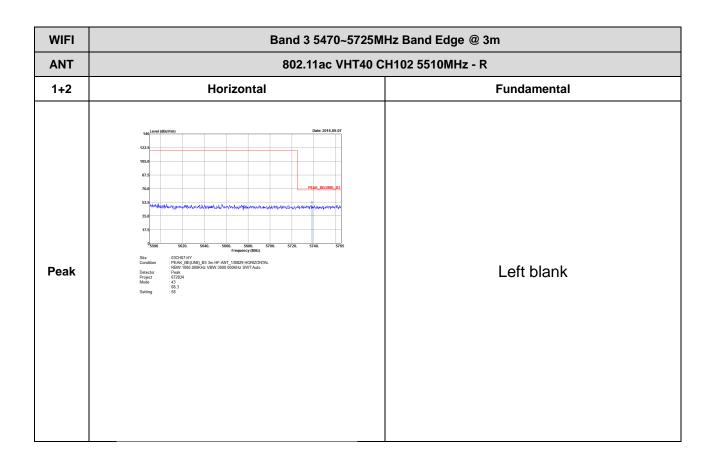




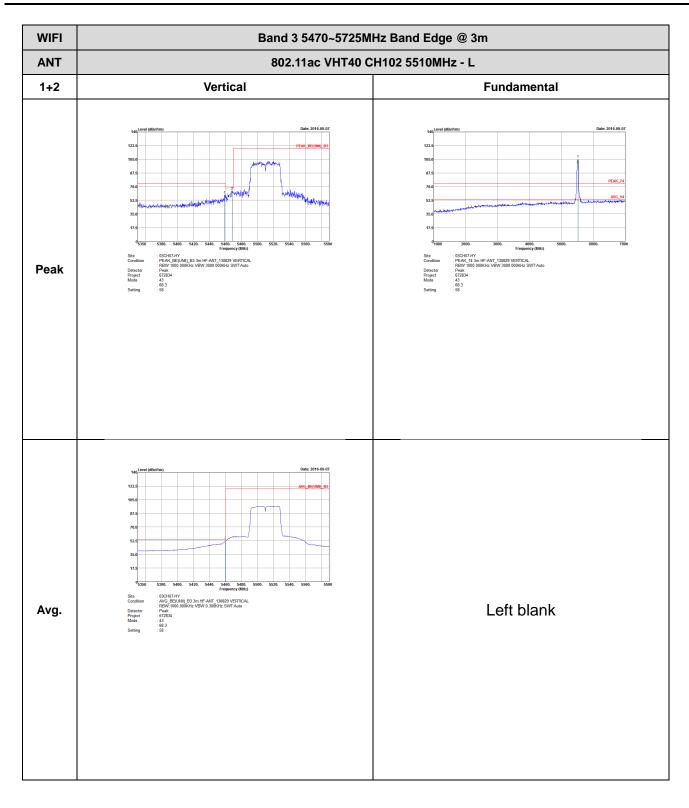
Band 3 5470~5725MHz WIFI 802.11ac VHT40 (Band Edge @ 3m)



TEL: 886-3-327-3456 FAX: 886-3-328-4978







WIFI

Band 3 5470~5725MHz Band Edge @ 3m

802.11ac VHT40 CH102 5510MHz - R

1+2

Vertical

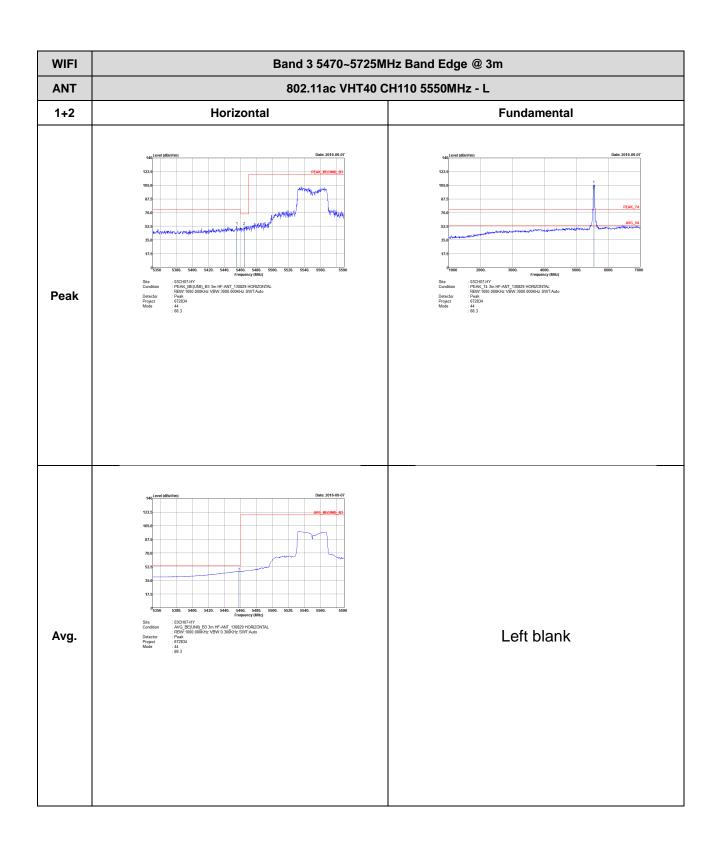
Fundamental

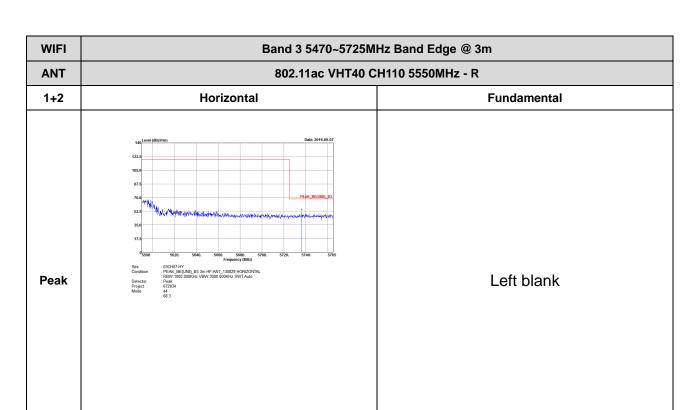
Peak

Peak

Left blank

TEL: 886-3-327-3456 FAX: 886-3-328-4978

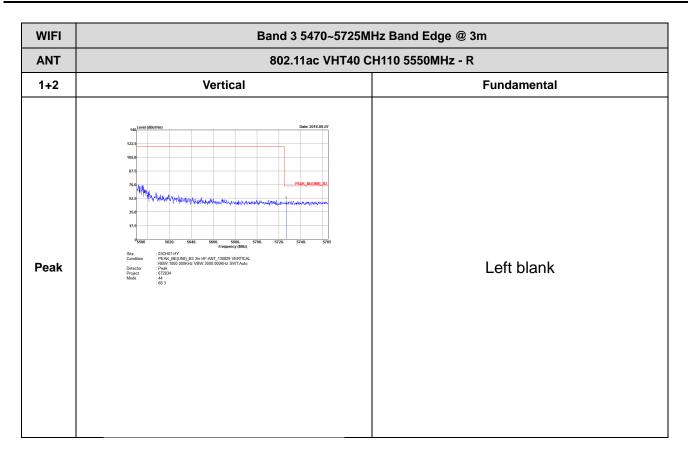




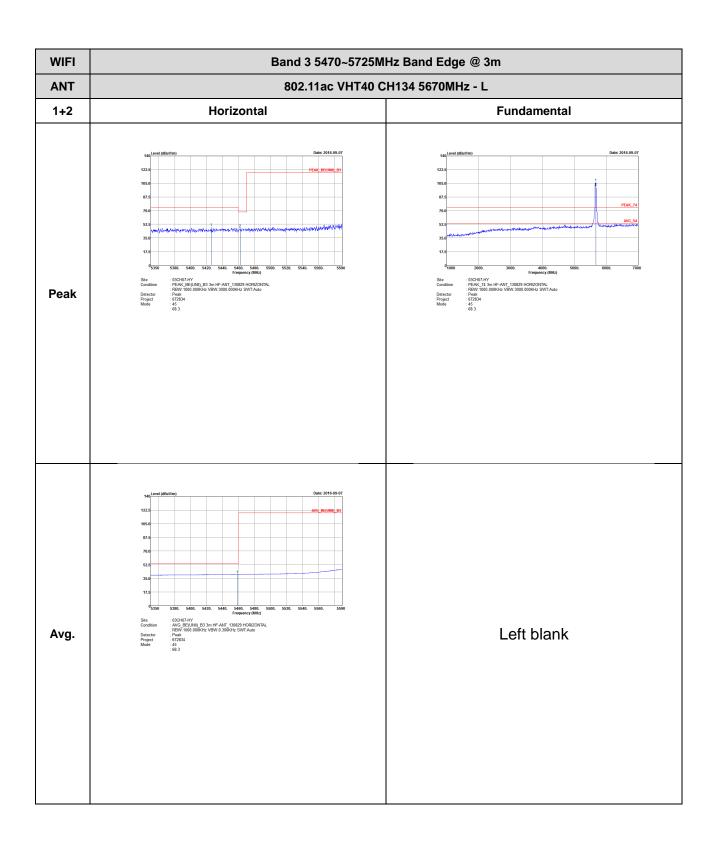


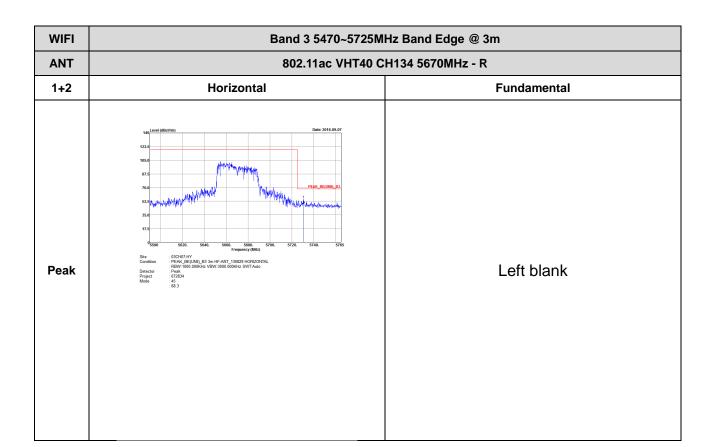
WIFI Band 3 5470~5725MHz Band Edge @ 3m $\,$ **ANT** 802.11ac VHT40 CH110 5550MHz - L Vertical 1+2 **Fundamental** Peak : 03CH07-HY : AVG_BE(UNII)_B3 3m HF-ANT_130829 VERTICAL : RBW-1000 000kHz VBW:0.300kHz SWT-Auto : Peak : 672834 : 44 : 68; 3 Left blank Avg.

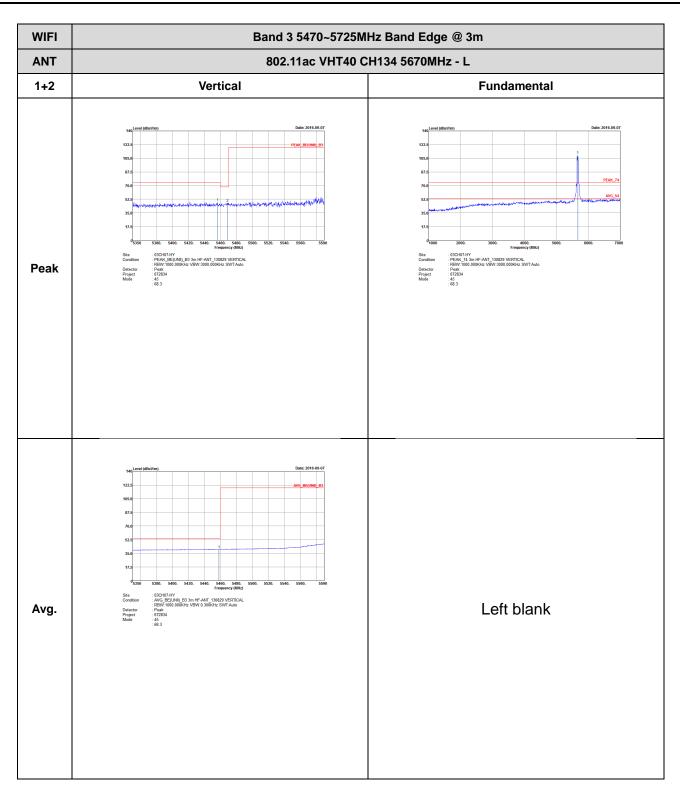
TEL: 886-3-327-3456 FAX: 886-3-328-4978



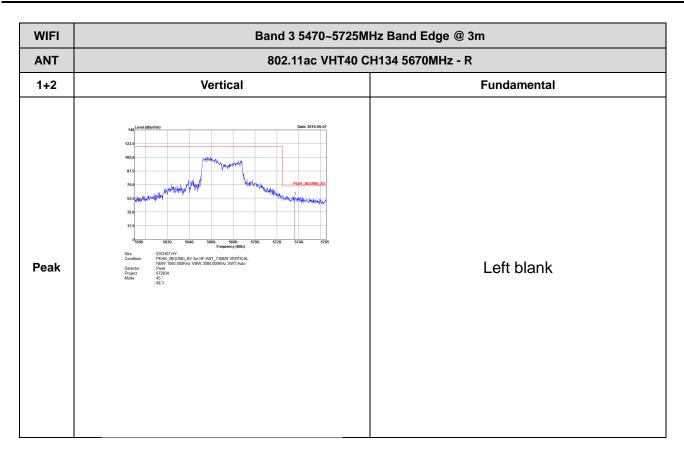




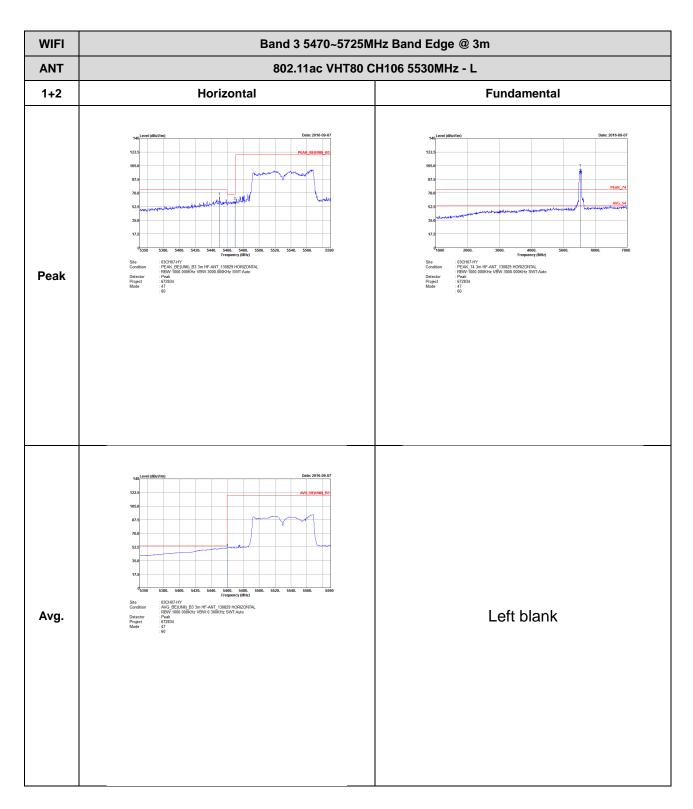




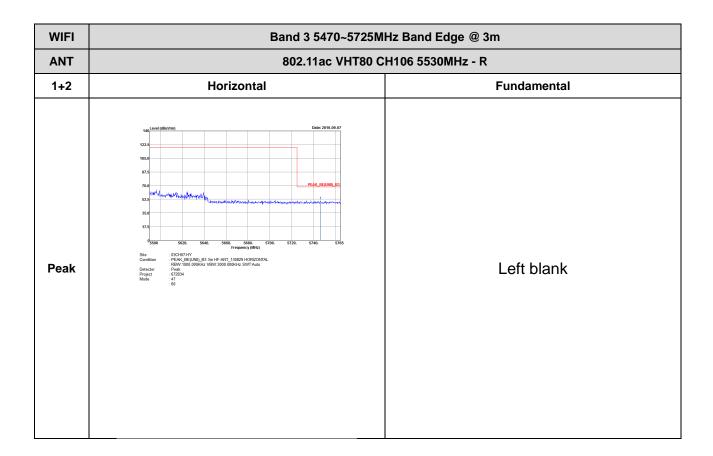


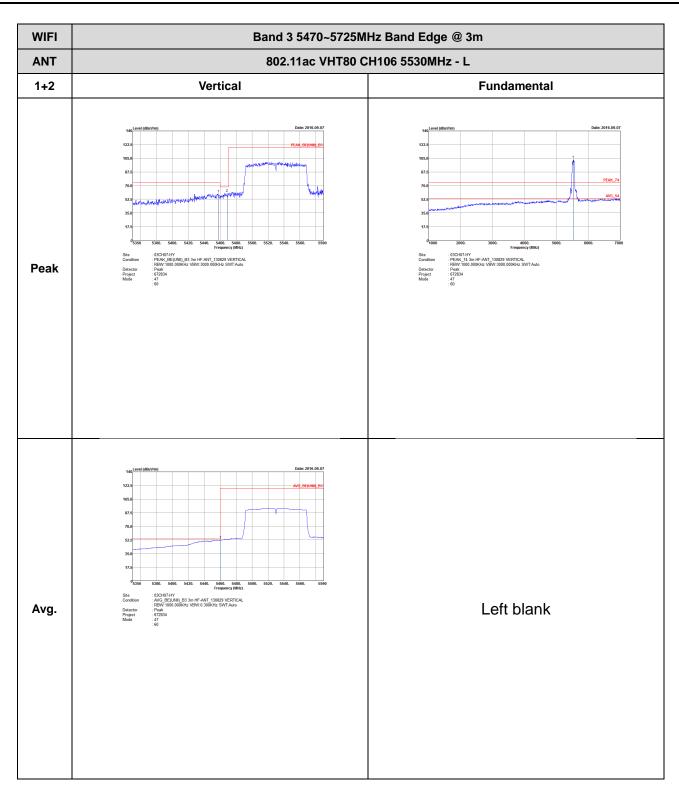


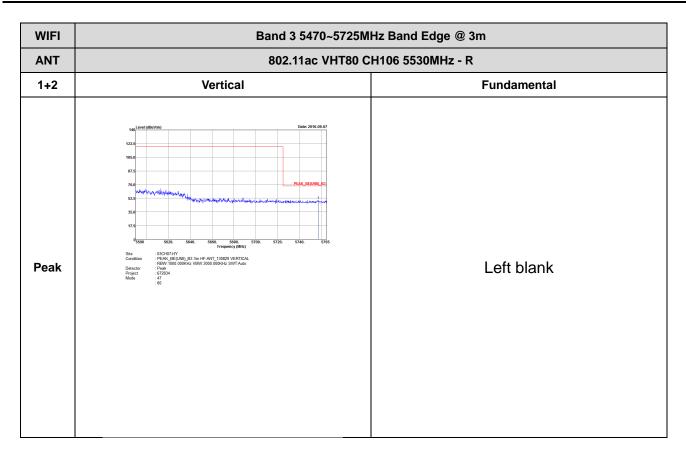
Band 3 5470~5725MHz WIFI 802.11ac VHT80 (Band Edge @ 3m)

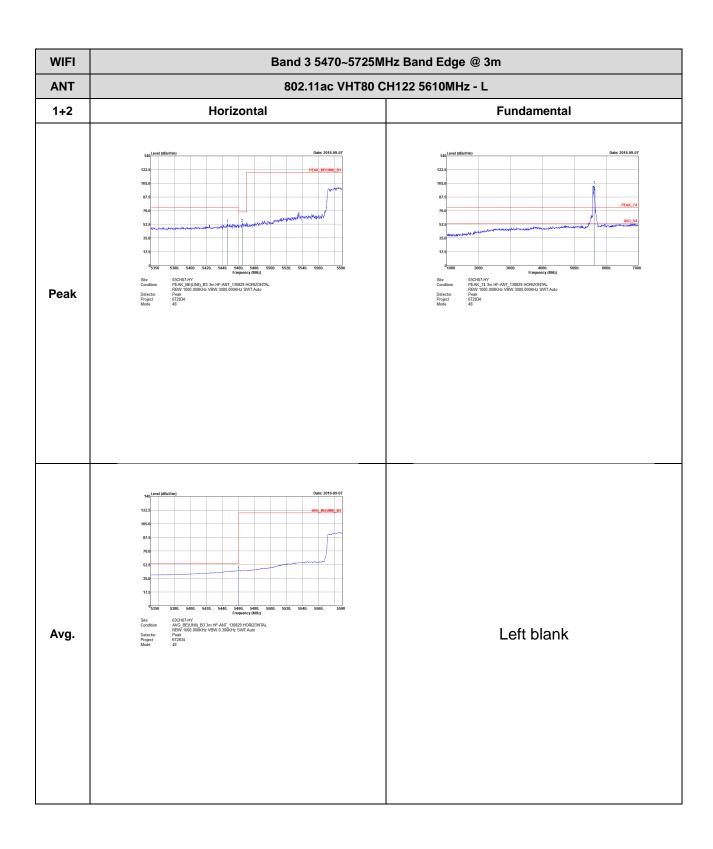


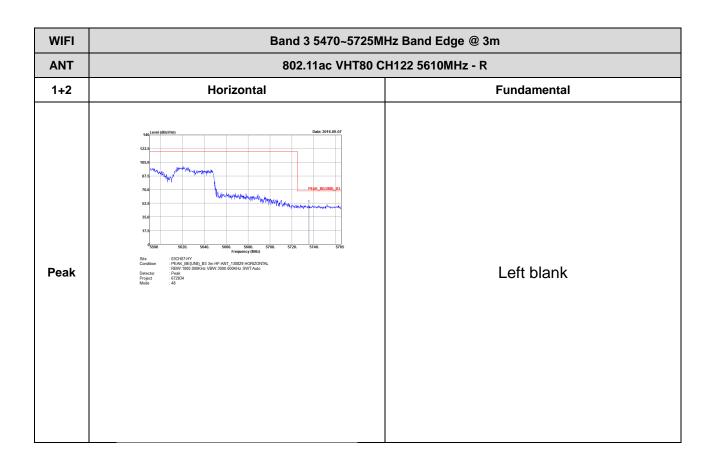
TEL: 886-3-327-3456 FAX: 886-3-328-4978

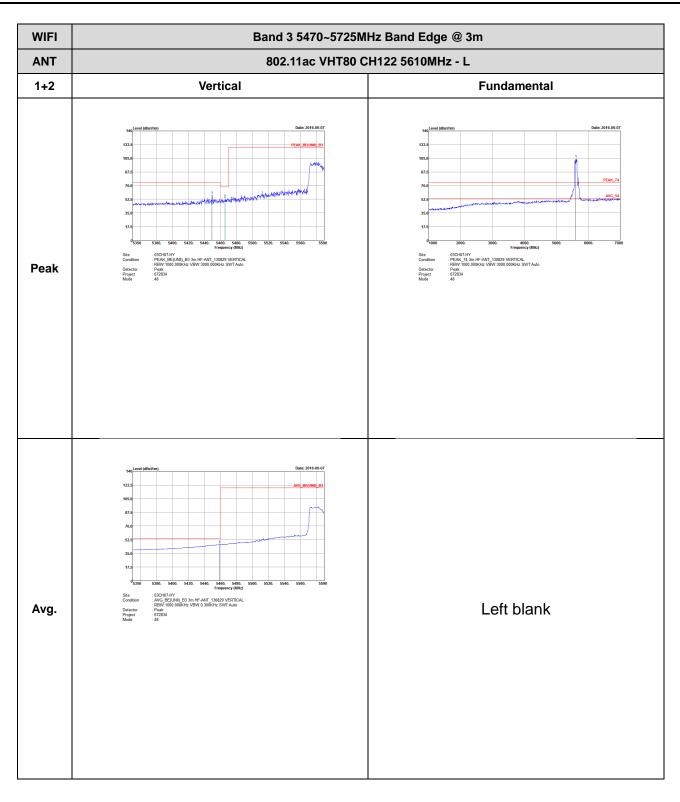


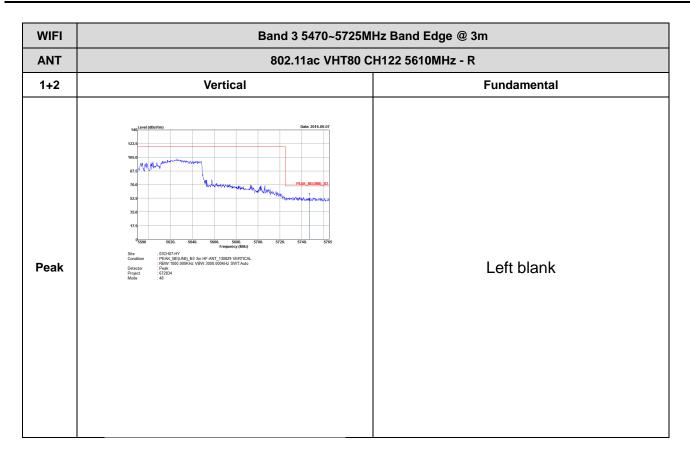




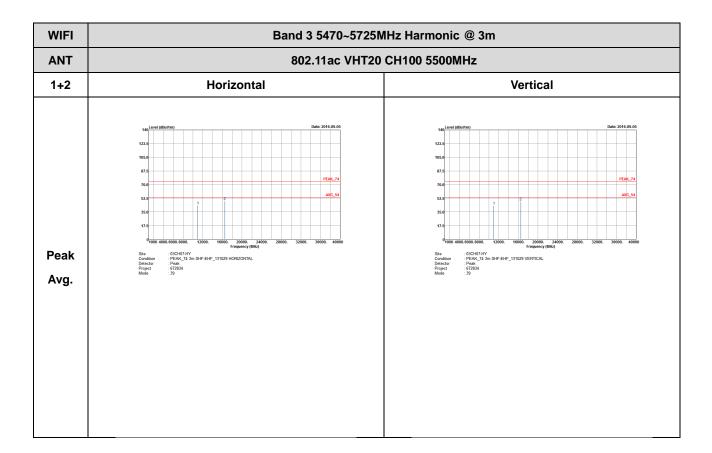




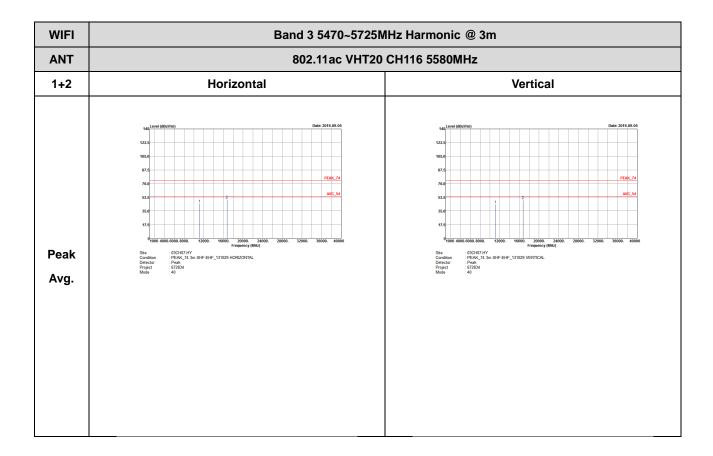




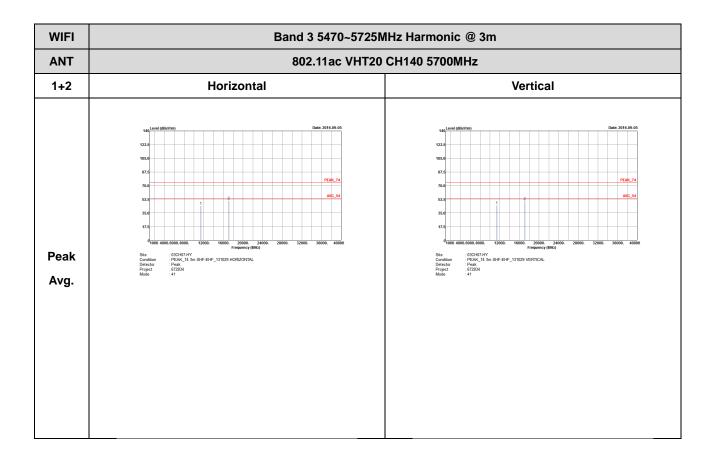
Band 3 - 5470~5725MHz WIFI 802.11ac VHT20 (Harmonic @ 3m)



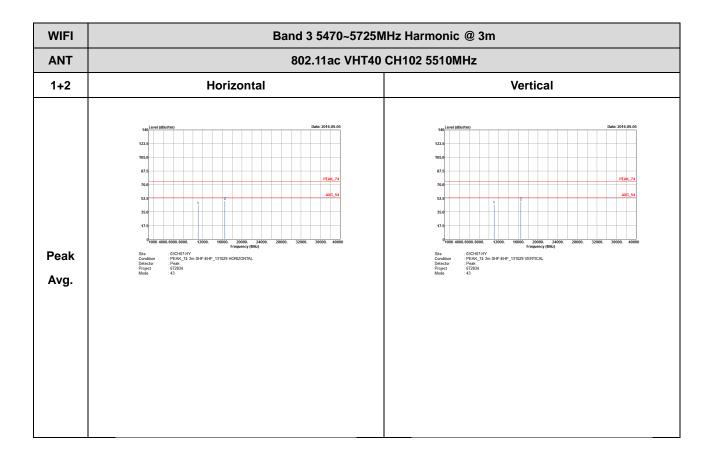
TEL: 886-3-327-3456 FAX: 886-3-328-4978



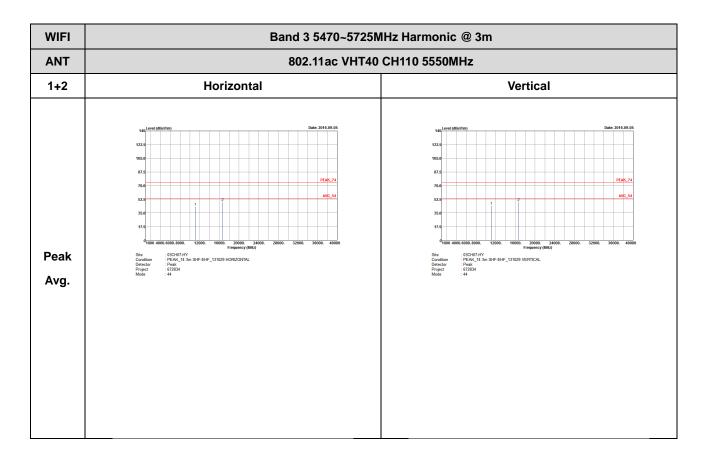


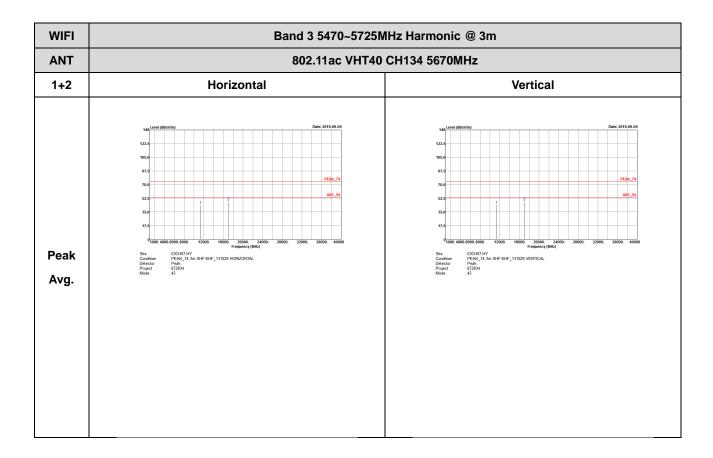


Band 3 5470~5725MHz WIFI 802.11ac VHT40 (Harmonic @ 3m)

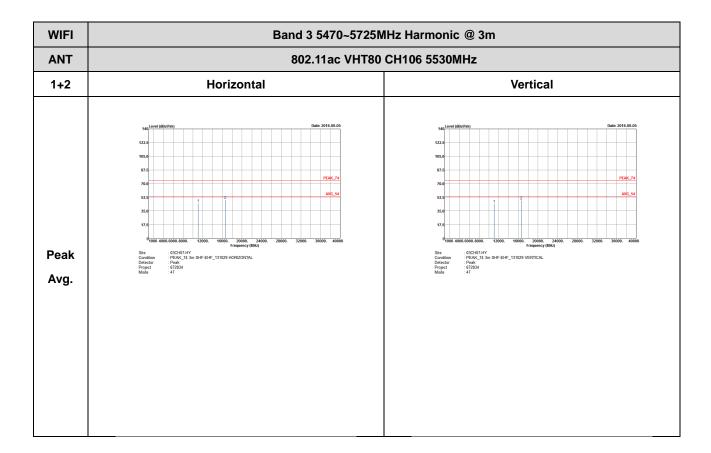


TEL: 886-3-327-3456 FAX: 886-3-328-4978

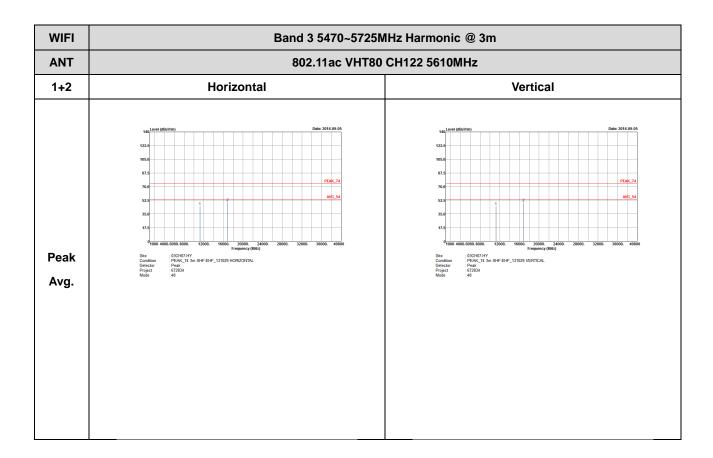




Band 3 5470~5725MHz WIFI 802.11ac VHT80 (Harmonic @ 3m)

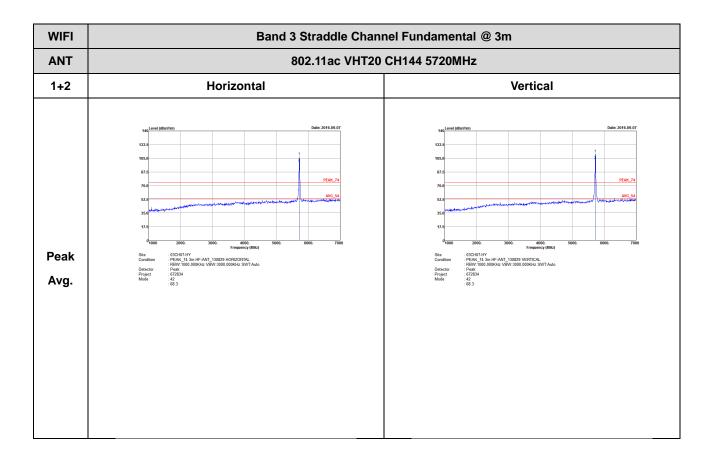


TEL: 886-3-327-3456 FAX: 886-3-328-4978

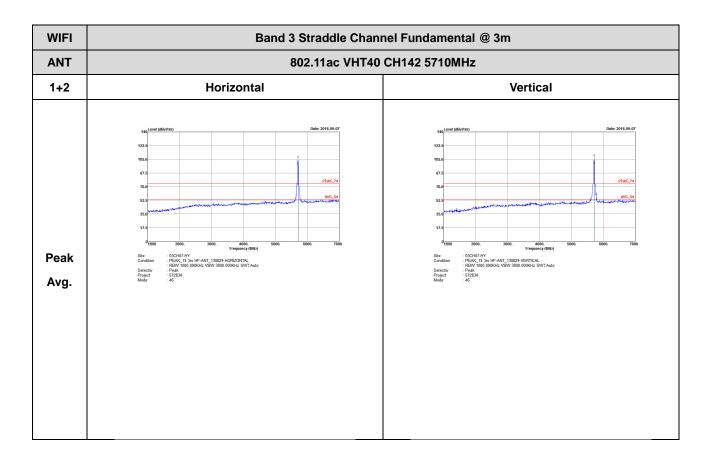


Band 3 - Straddle Channel WIFI 802.11ac VHT20 (Fundamental @ 3m)

Report No.: FR672834E

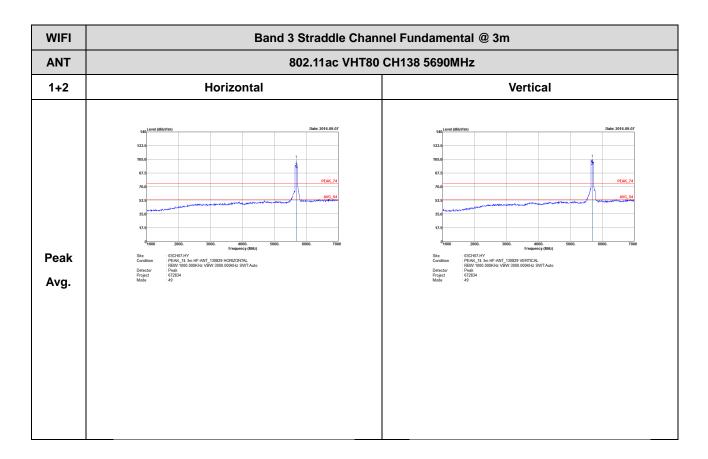


Band 3 – Straddle Channel WIFI 802.11ac VHT40 (Fundamental @ 3m)



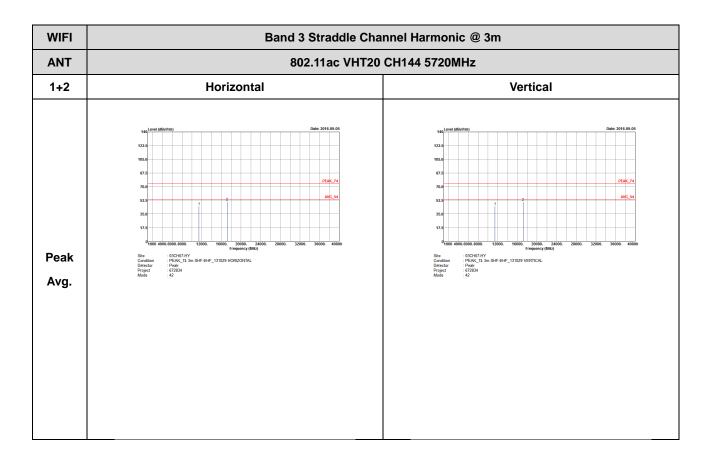
TEL: 886-3-327-3456 FAX: 886-3-328-4978

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



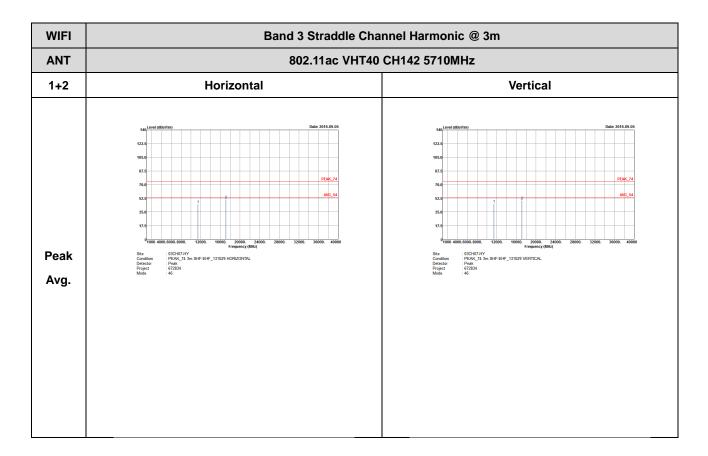
TEL: 886-3-327-3456 FAX: 886-3-328-4978

Band 3 - Straddle Channel WIFI 802.11ac VHT20 (Harmonic @ 3m)



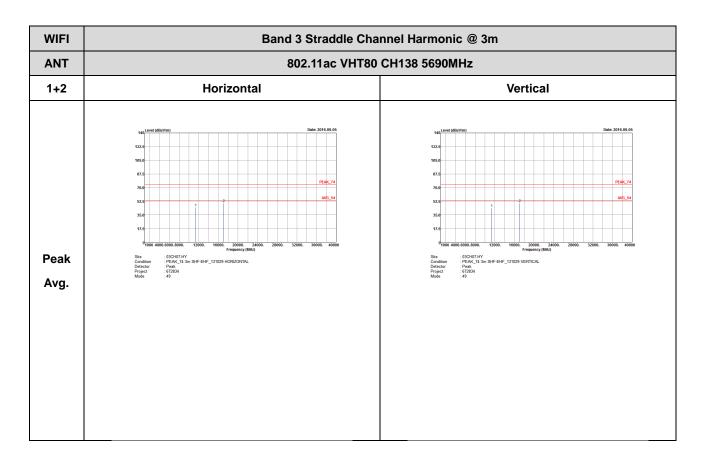
TEL: 886-3-327-3456 FAX: 886-3-328-4978

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



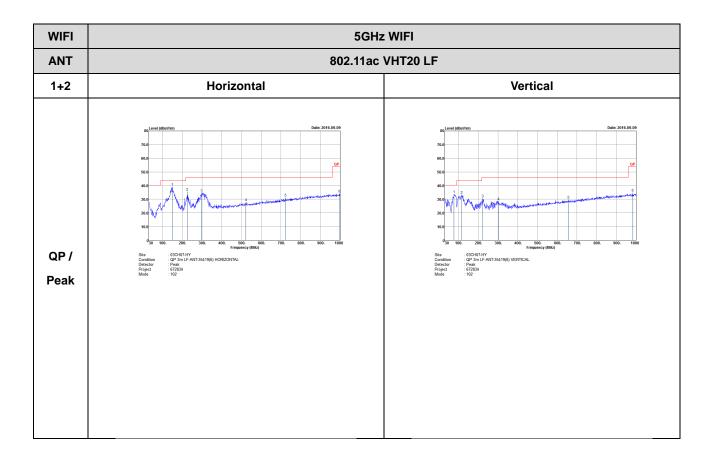
TEL: 886-3-327-3456 FAX: 886-3-328-4978

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



TEL: 886-3-327-3456 FAX: 886-3-328-4978

Emission below 1GHz 5GHz WIFI 802.11ac VHT20 (LF)



TEL: 886-3-327-3456 FAX: 886-3-328-4978



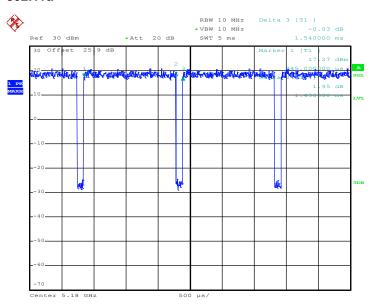
Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	92.86	1430	0.699300699	1kHz
2	802.11a	92.86	1430	0.699300699	1kHz
1+2	802.11a for Ant 1	92.86	1430	0.699300699	1kHz
1+2	802.11a for Ant 2	92.86	1430	0.699300699	1kHz
1	5GHz 802.11n HT20	92.86	1430	0.699300699	1kHz
2	5GHz 802.11n HT20	92.86	1430	0.699300699	1kHz
1+2	5GHz 802.11n HT20 for Ant 1	92.86	1430	0.699300699	1kHz
1+2	5GHz 802.11n HT20 for Ant 2	92.86	1430	0.699300699	1kHz
1	5GHz 802.11n HT40	98.01	-	-	10Hz
2	5GHz 802.11n HT40	98.01	-	-	10Hz
1+2	5GHz 802.11n HT40 for Ant 1	97.91	945	1.058201058	3kHz
1+2	5GHz 802.11n HT40 for Ant 2	98.00	-	-	10Hz
1	5GHz 802.11ac VHT20	92.86	1354.167	0.738461357	1kHz
2	5GHz 802.11ac VHT20	92.28	1341.34	0.745523134	1kHz
1+2	5GHz 802.11ac VHT20 for Ant 1	92.83	1347.756	0.741974067	1kHz
1+2	5GHz 802.11ac VHT20 for Ant 2	92.82	1346.154	0.742857058	1kHz
1	5GHz 802.11ac VHT40	98.02	-	-	10Hz
2	5GHz 802.11ac VHT40	98.21	-	-	10Hz
1+2	5GHz 802.11ac VHT40 for Ant 1	98.02	-	-	10Hz
1+2	5GHz 802.11ac VHT40 for Ant 2	98.03	-	-	10Hz
1	5GHz 802.11ac VHT80	95.95	455.769231	2.194092826	3kHz
2	5GHz 802.11ac VHT80	95.05	461.538462	2.166666665	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 1	95.96	456.730768	2.18947369	3kHz
1+2	5GHz 802.11ac VHT80 for Ant 2	95.96	456.730769	2.189473685	3kHz

TEL: 886-3-327-3456 FAX: 886-3-328-4978

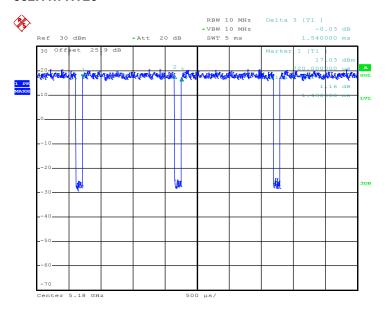


<Ant. 1> 802.11a



Date: 18.AUG.2016 20:03:34

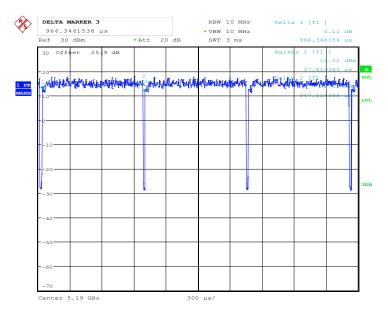
802.11n HT20



Date: 18.AUG.2016 21:16:39

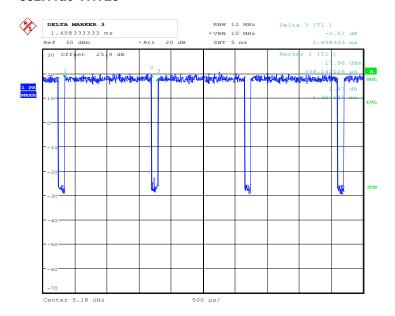


802.11n HT40



Date: 18.AUG.2016 22:32:42

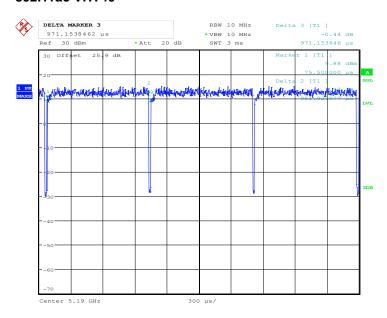
802.11ac VHT20



Date: 18.AUG.2016 23:33:33

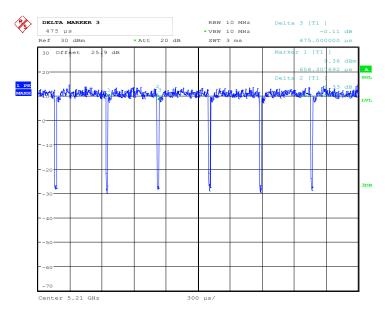


802.11ac VHT40



Date: 18.AUG.2016 23:41:03

802.11ac VHT80



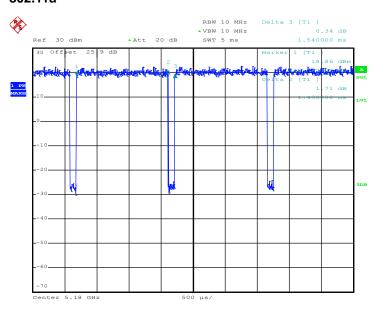
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Page Number

: D4 of D13

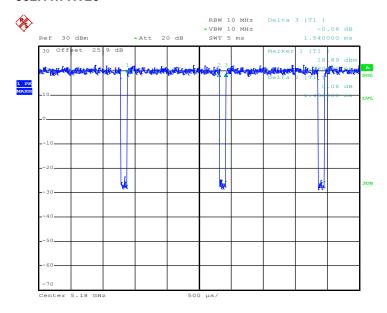


<Ant. 2> 802.11a



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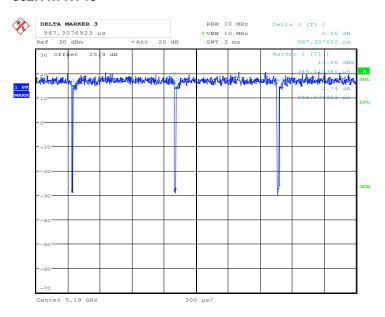
802.11n HT20



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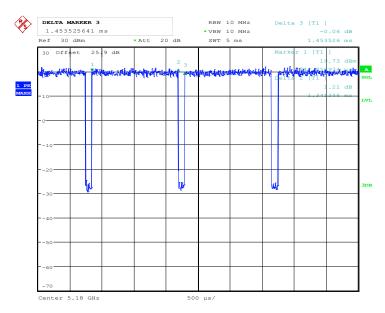


802.11n HT40



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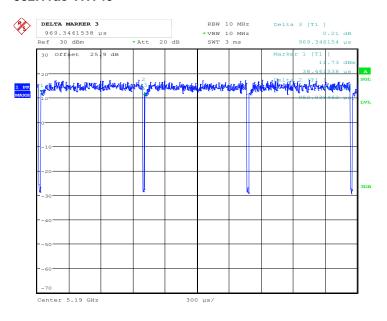
802.11ac VHT20



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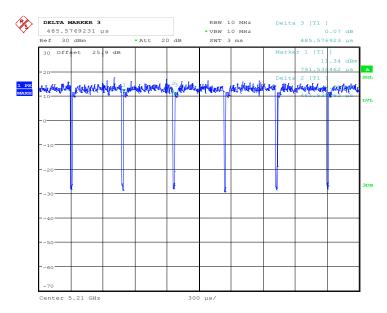


802.11ac VHT40



Date: 18.AUG.2016 23:42:22

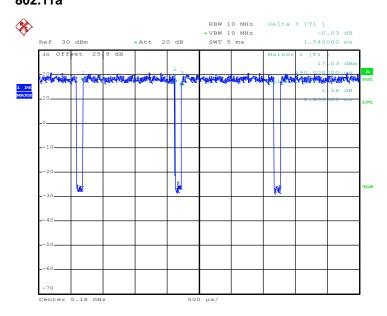
802.11ac VHT80



Date: 18.AUG.2016 23:51:32

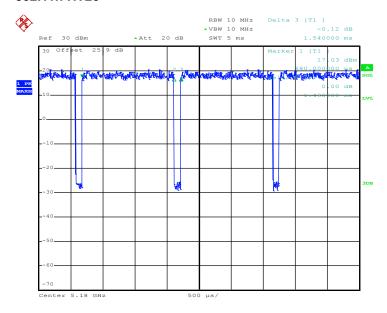


MIMO <Ant. 1+2(1)> 802.11a



Date: 18.AUG.2016 20:19:15

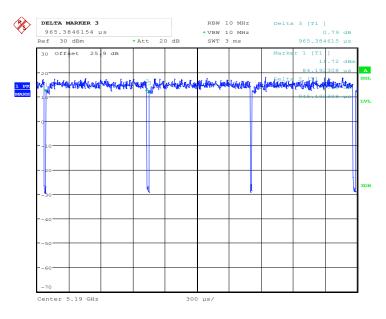
802.11n HT20



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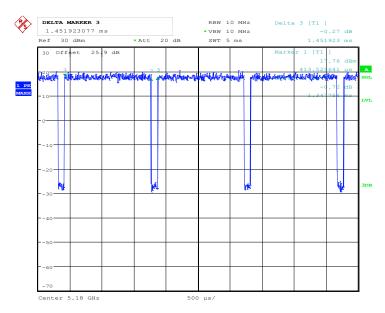


802.11n HT40



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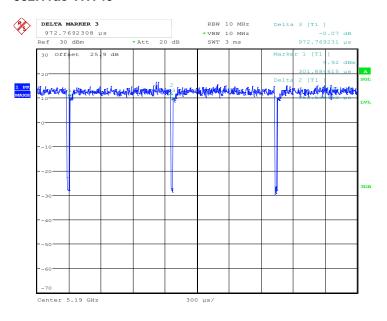
802.11ac VHT20



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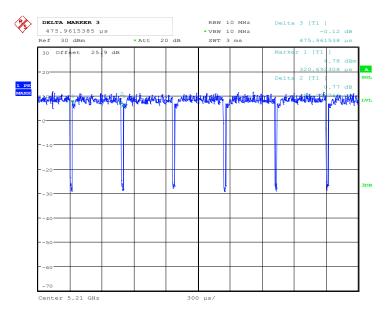


802.11ac VHT40



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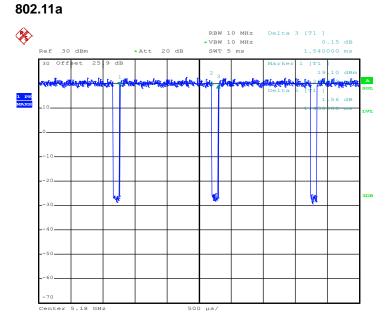
802.11ac VHT80



Date: 18.AUG.2016 23:53:54

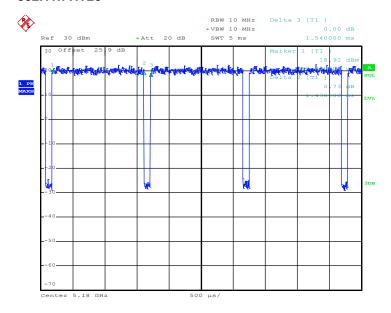


MIMO <Ant. 1+2(2)>



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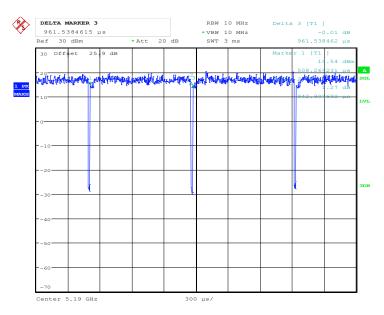
802.11n HT20



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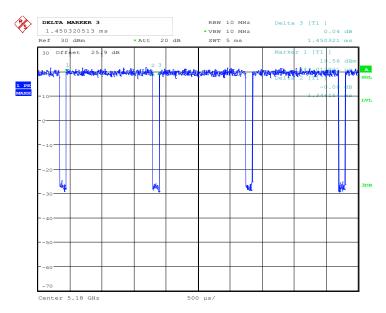


802.11n HT40



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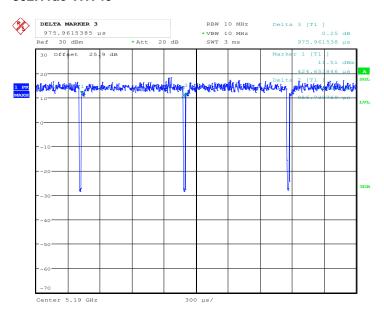
802.11ac VHT20



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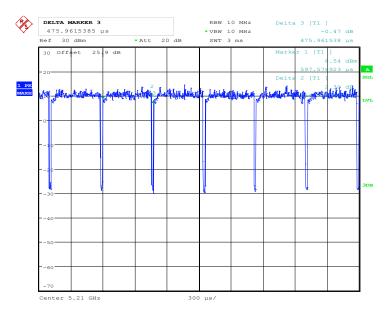


802.11ac VHT40



Date: 18.AUG.2016 23:45:26

802.11ac VHT80



Date: 18.AUG.2016 23:54:39