

# 7.6.5 SISO Antenna-1 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

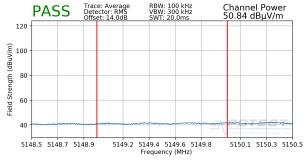
802.11n

MCS0

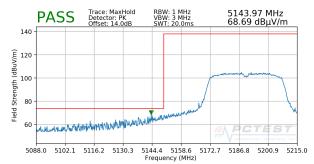
3 Meters

5190MHz

38



Plot 7-182. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)



Plot 7-183. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

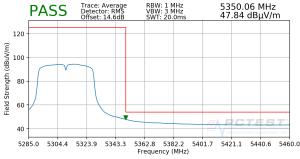
802.11n

MCS0

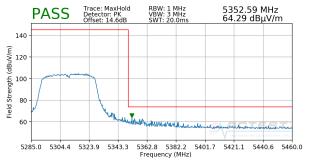
3 Meters

5310MHz

62



Plot 7-184. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



Plot 7-185. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

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Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

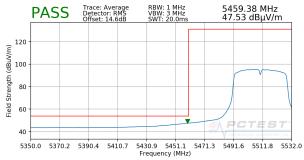
802.11n

MCS0

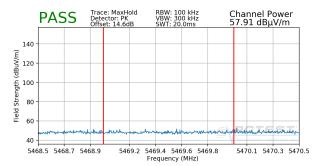
3 Meters

5510MHz

102

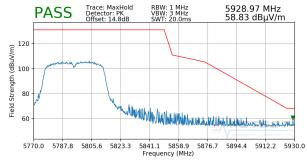


Plot 7-186. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-187. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5795MHz
Channel: 159



Plot 7-188. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

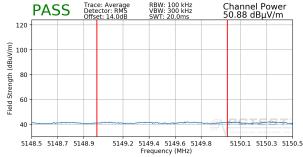
FCC ID: ZNFT600US	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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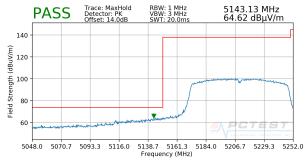
# 7.6.6 SISO Antenna-1 Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5210MHz
42



Plot 7-189. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)



Plot 7-190. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac

MCS0

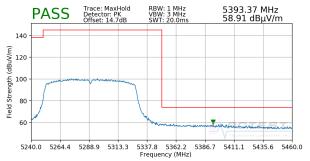
3 Meters

5290MHz

58



Plot 7-191. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



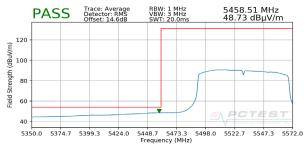
Plot 7-192. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

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Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5530MHz
106



Plot 7-193. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

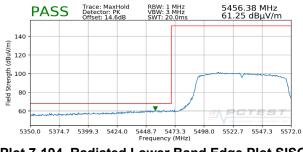
802.11ac

MCS0

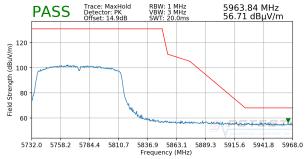
3 Meters

5775MHz

155



Plot 7-194. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)



Plot 7-195. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

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# 7.6.7 SISO Antenna-2 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

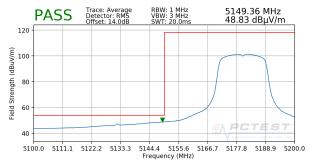
802.11n

MCS0

3 Meters

5180MHz

36



Plot 7-196. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



Plot 7-197. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

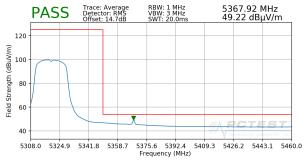
802.11n

MCS0

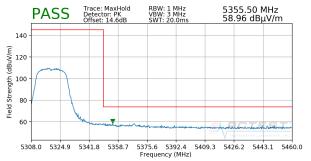
3 Meters

5320MHz

64



Plot 7-198. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



Plot 7-199. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

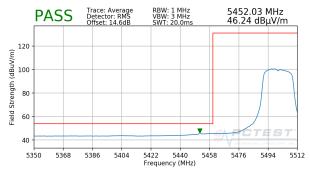
802.11n

MCS0

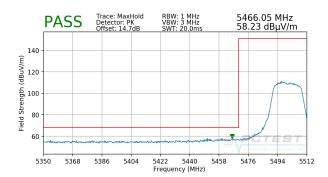
3 Meters

5500MHz

100

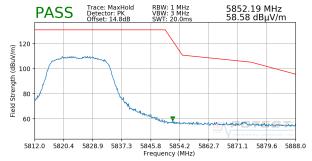


Plot 7-200. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-201. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165



Plot 7-202. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3)

FCC ID: ZNFT600US	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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# 7.6.8 SISO Antenna-2 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

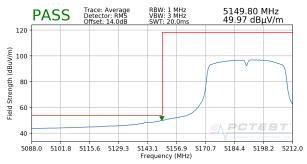
802.11n

MCS0

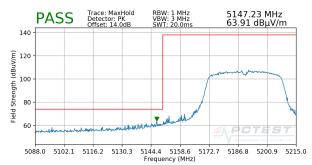
3 Meters

5190MHz

38



Plot 7-203. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



Plot 7-204. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

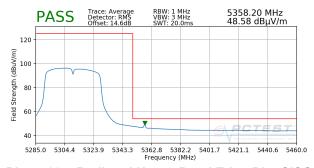
802.11n

MCS0

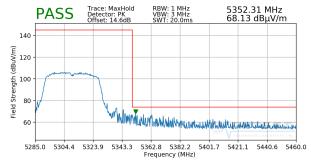
3 Meters

5310MHz

62



Plot 7-205. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



Plot 7-206. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

FCC ID: ZNFT600US	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

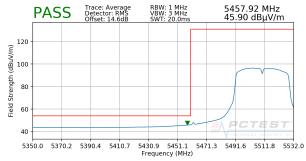
802.11n

MCS0

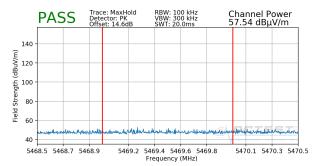
3 Meters

5510MHz

102



Plot 7-207. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-208. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

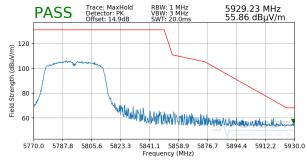
802.11n

MCS0

3 Meters

5795MHz

159



Plot 7-209. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3)

FCC ID: ZNFT600US	ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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# 7.6.9 SISO Antenna-2 Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

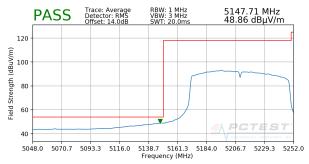
802.11ac

MCS0

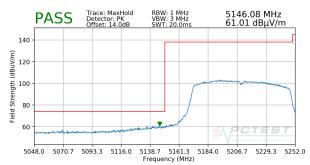
3 Meters

5210MHz

42



Plot 7-210. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



Plot 7-211. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

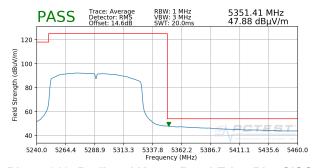
802.11ac

MCS0

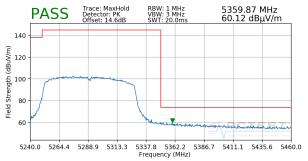
3 Meters

5290MHz

58



Plot 7-212. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



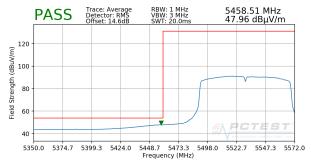
Plot 7-213. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

FCC ID: ZNFT600US	PCTEST INGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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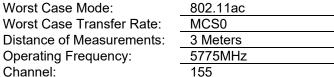


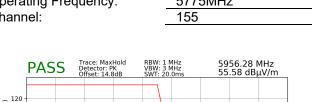
Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5530MHz
106



Plot 7-214. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)





5732.0 5758.2 5784.4 5810.7 5836.9 5863.1 5889.3 5915.6 5941.8 5968.0 Frequency (MHz)

Plot 7-216. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3)

	PAS		race: Max etector: P effset: 14.6	K	RBW: 1 I VBW: 3 I SWT: 20	ИHZ		68.47 I .94 dB <sub>l</sub>	
140 <u>É</u>	1								
120 Mgp)	1								
Field Strength (dBuV/m) 00 01 00 05	1					1			
Field S	1								1
60		*****	a discontinuo Automore	Markerston	dark whomas	-		CTE	ST ORATORY, INC.
53	350.0 537	4.7 53	99.3 542		48.7 54 requency		8.0 552	2.7 554	7.3 5572.0

Plot 7-215. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

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# 7.6.10 MIMO Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

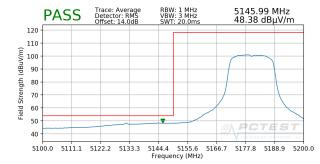
802.11n

MCS8

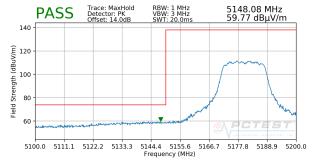
3 Meters

5180MHz

36



Plot 7-217. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)



Plot 7-218. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

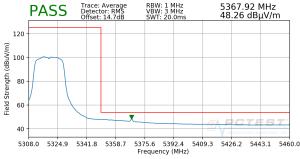
802.11n

MCS8

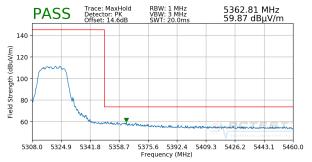
3 Meters

5320MHz

64



Plot 7-219. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



Plot 7-220. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: ZNFT600US	PCTEST INGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

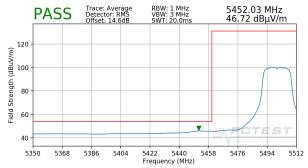
802.11n

MCS8

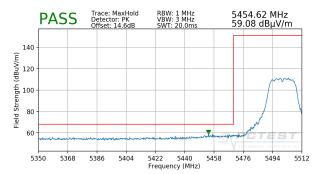
3 Meters

5500MHz

100



Plot 7-221. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-222. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

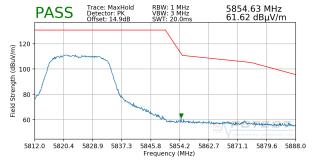
802.11n

MCS8

3 Meters

5825MHz

165



Plot 7-223. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: ZNFT600US	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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# 7.6.11 MIMO Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

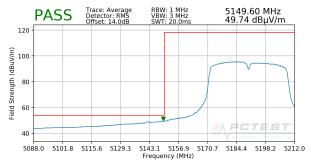
802.11n

MCS8

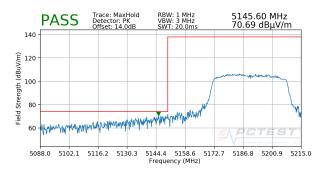
3 Meters

5190MHz

38



Plot 7-224. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)



Plot 7-225. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

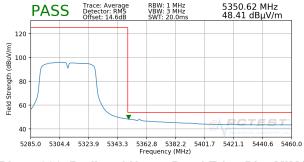
802.11n

MCS8

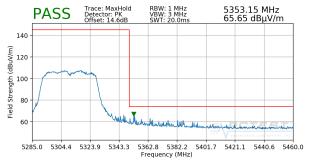
3 Meters

5310MHz

62



Plot 7-226. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



Plot 7-227. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

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