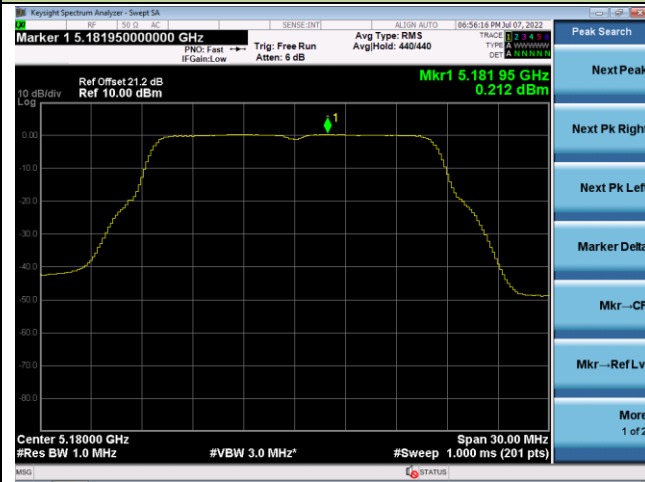
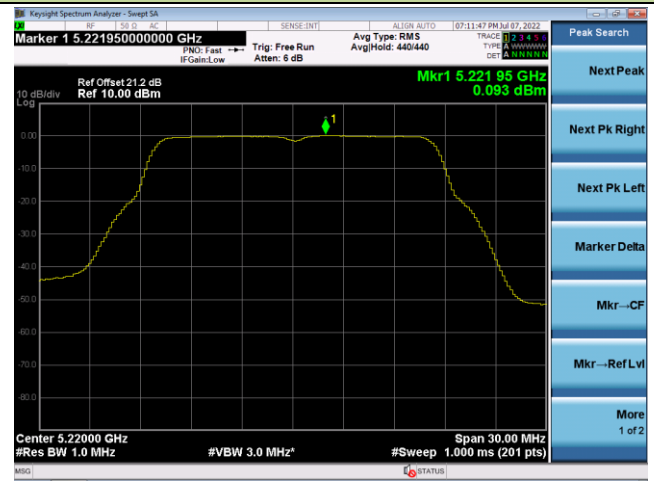


802.11a Power Spectral Density – Ant 1

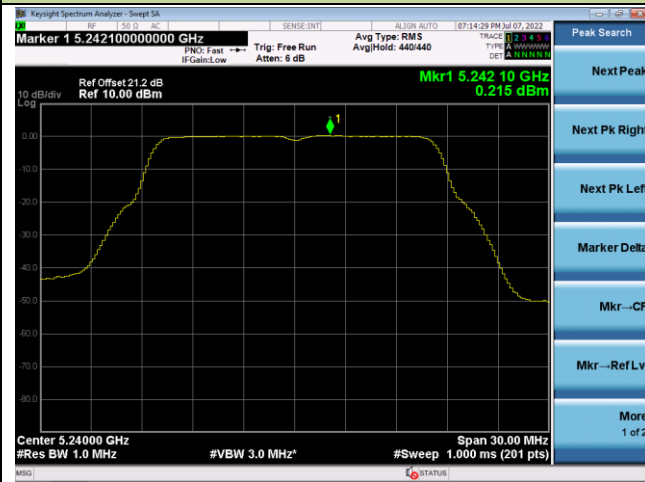
Channel 36 (5180MHz)



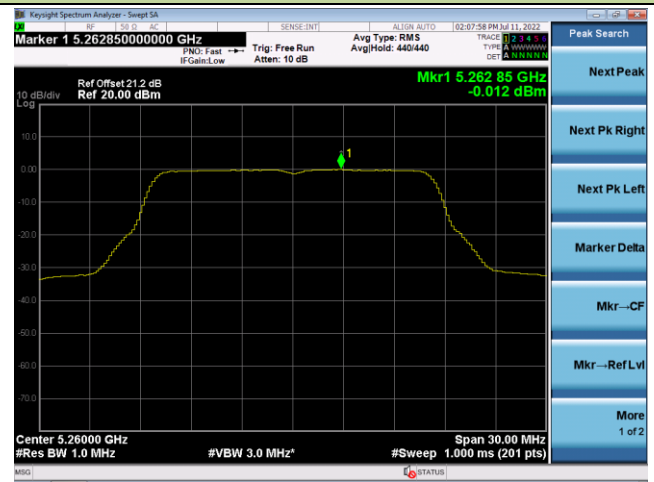
Channel 44 (5220MHz)



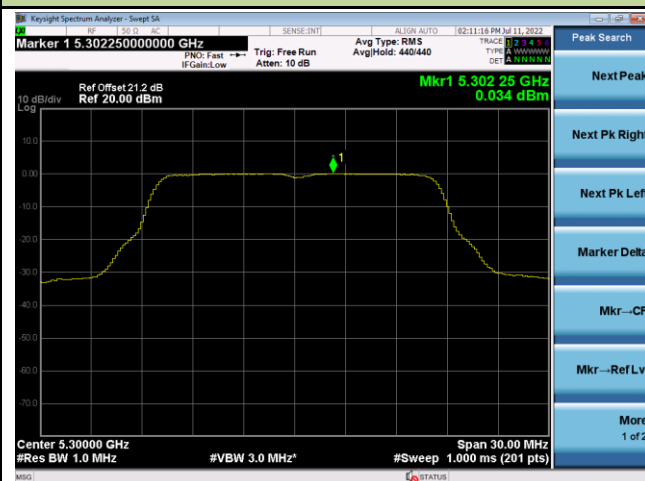
Channel 48 (5240MHz)



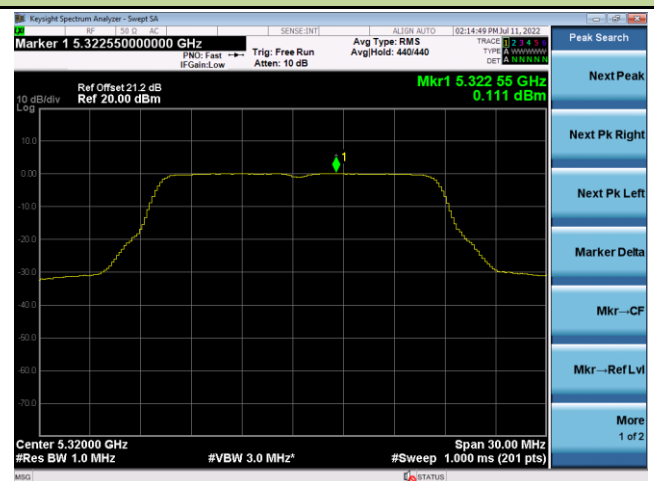
Channel 52 (5260MHz)



Channel 60 (5300MHz)

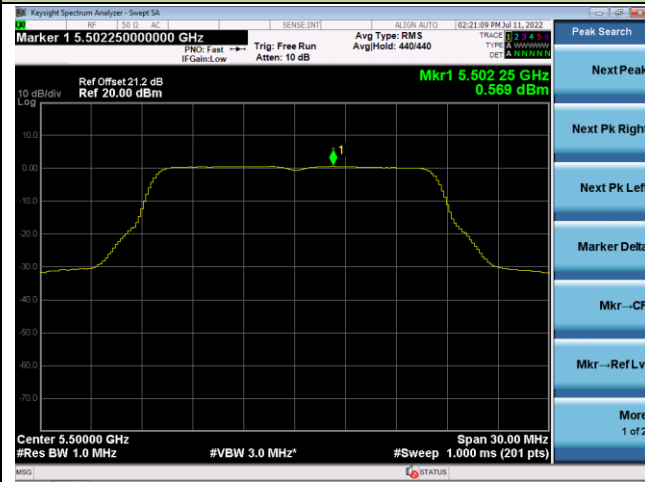


Channel 64 (5320MHz)

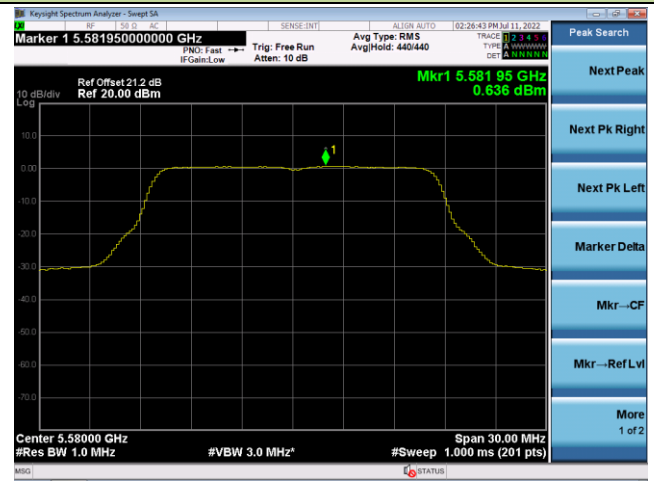


802.11a Power Spectral Density – Ant 1

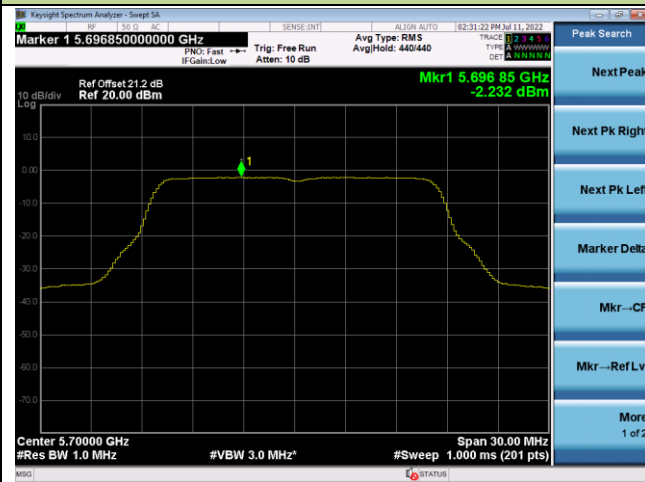
Channel 100 (5500MHz)



Channel 116 (5580MHz)



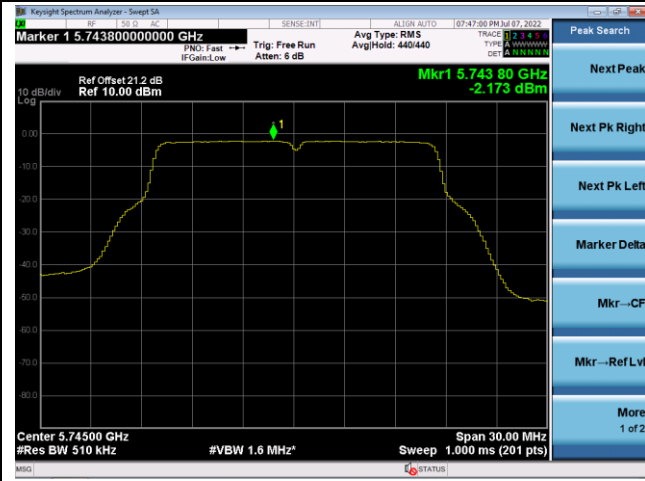
Channel 140 (5700MHz)



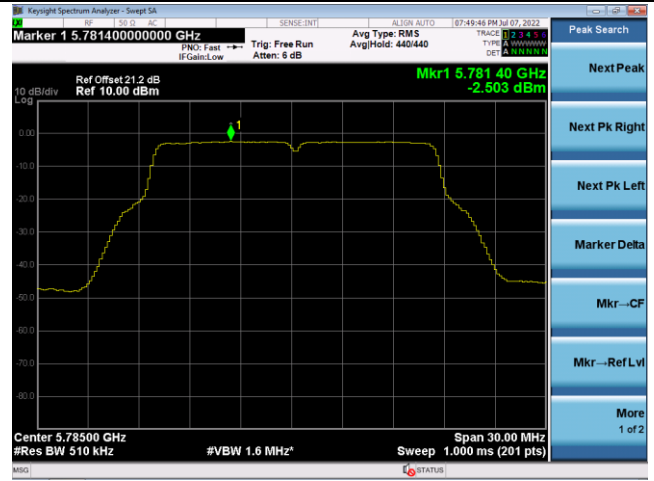
Channel 144 (5720MHz)

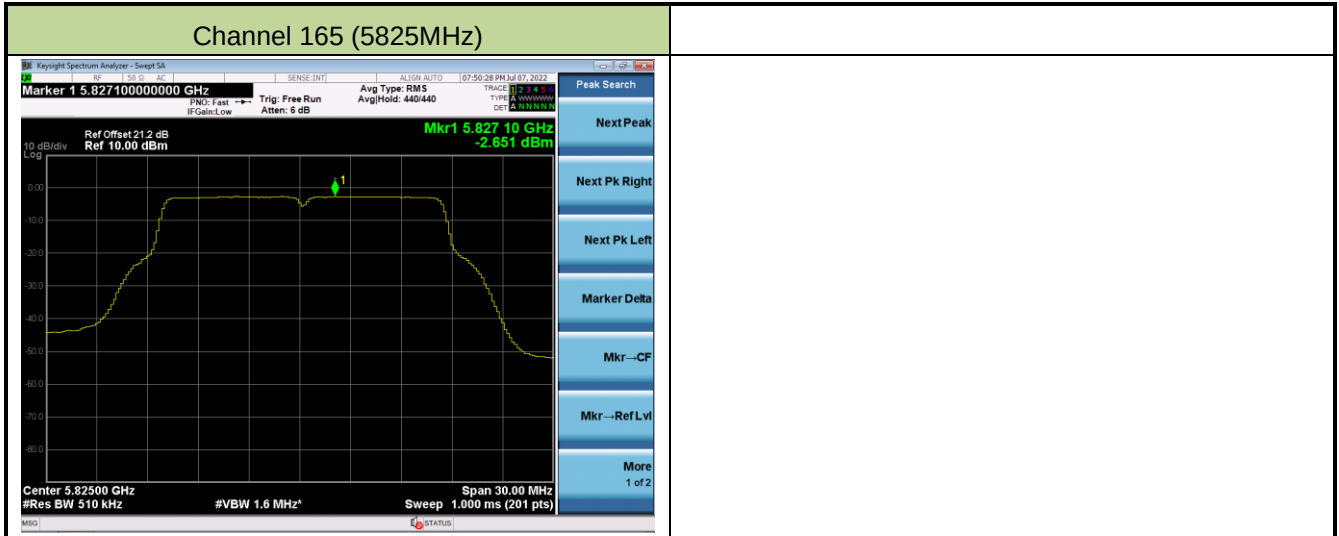


Channel 149 (5745MHz)



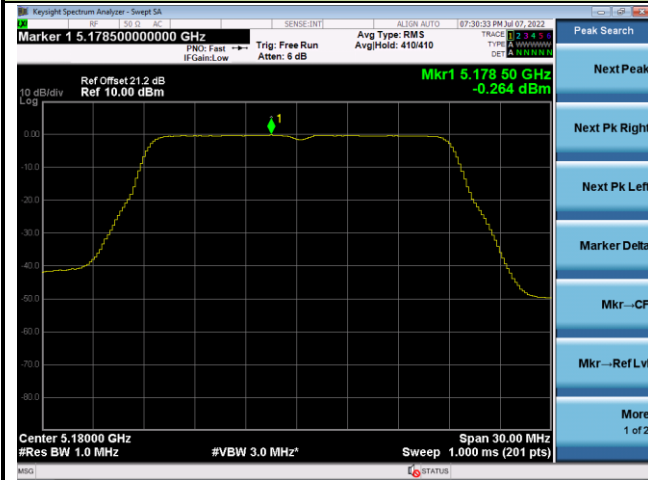
Channel 157 (5785MHz)



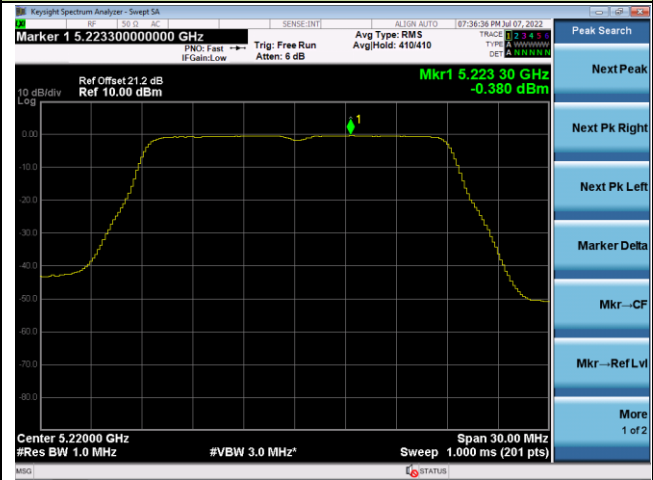


802.11ac-VHT20 Power Spectral Density – Ant 1

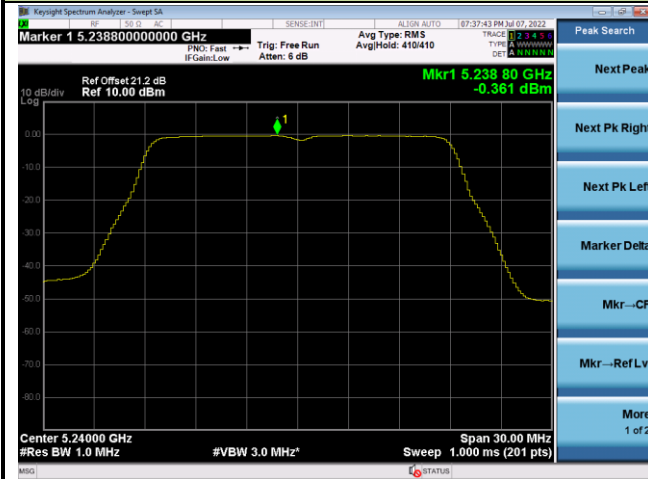
Channel 36 (5180MHz)



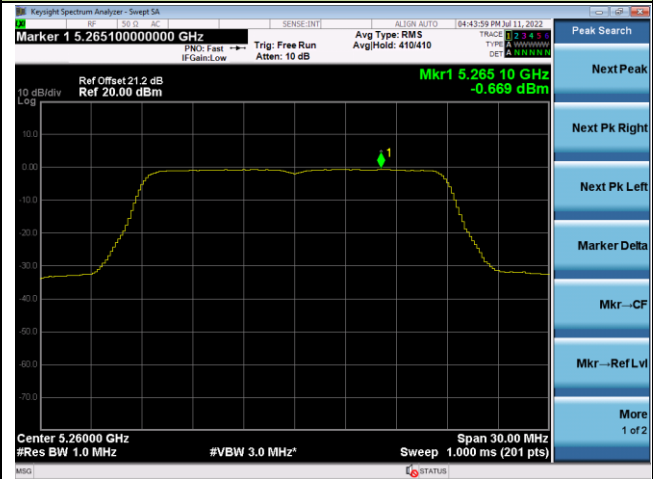
Channel 44 (5220MHz)



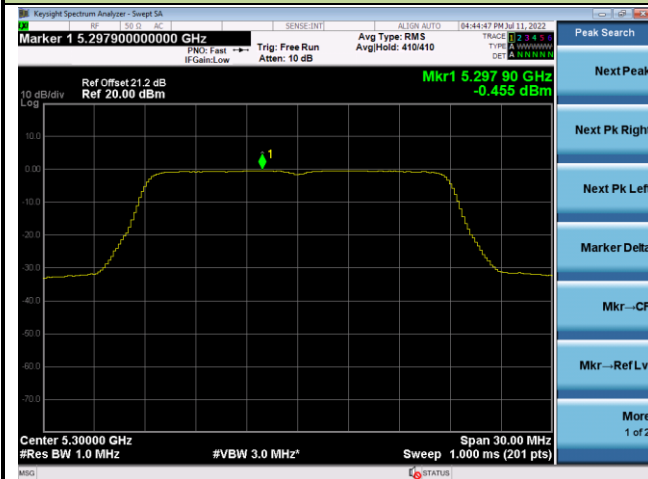
Channel 48 (5240MHz)



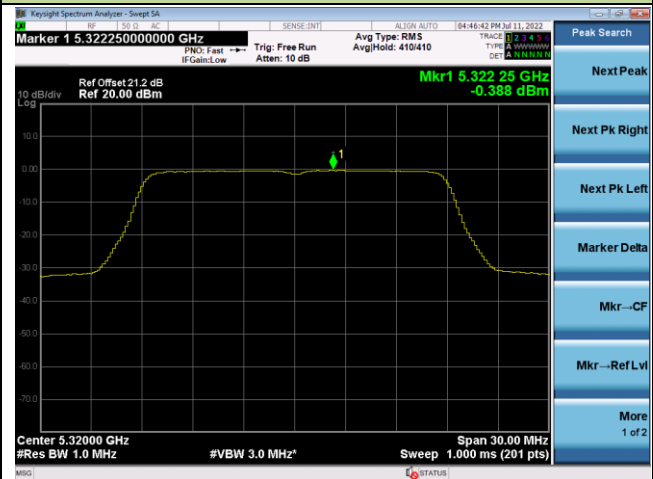
Channel 52 (5260MHz)



Channel 60 (5300MHz)

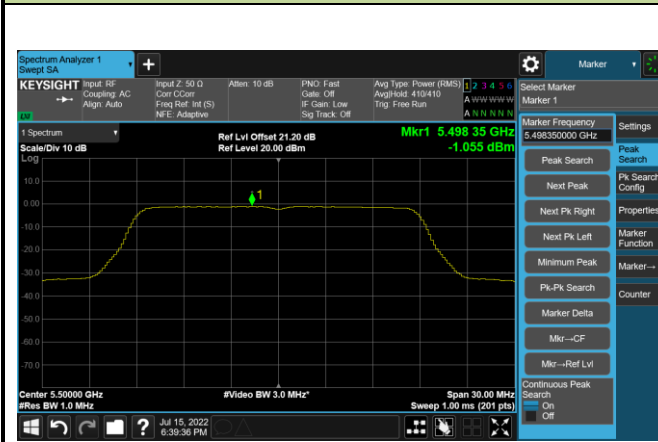


Channel 64 (5320MHz)

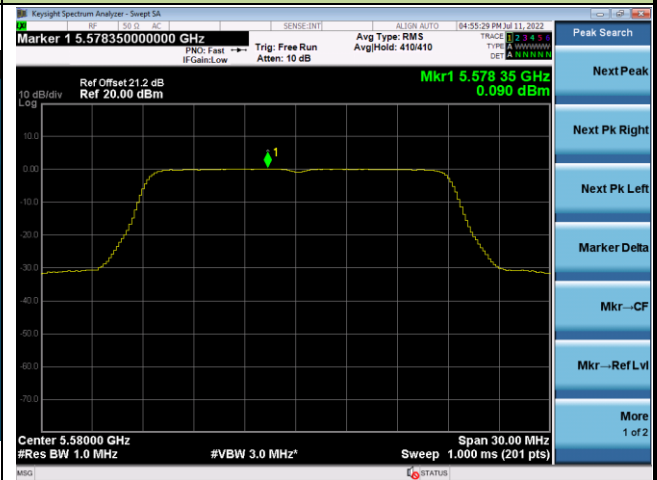


802.11ac-VHT20 Power Spectral Density – Ant 1

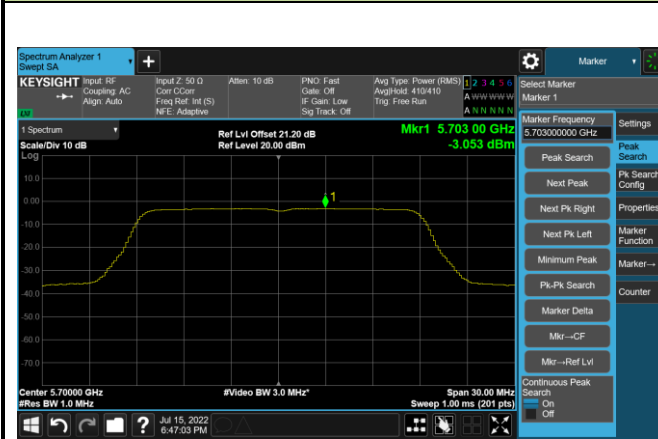
Channel 100 (5500MHz)



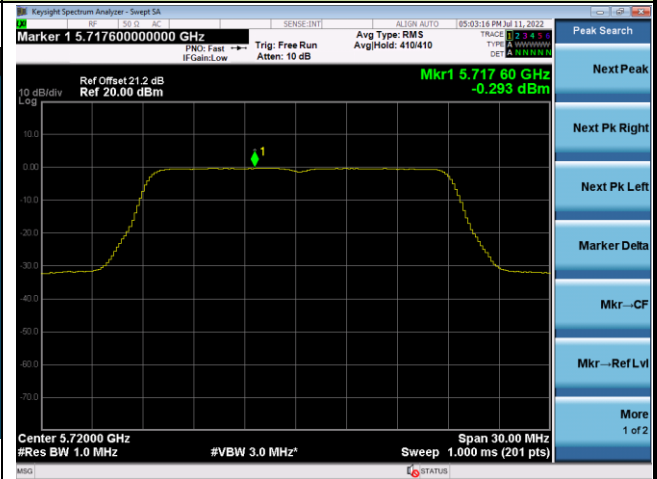
Channel 116 (5580MHz)



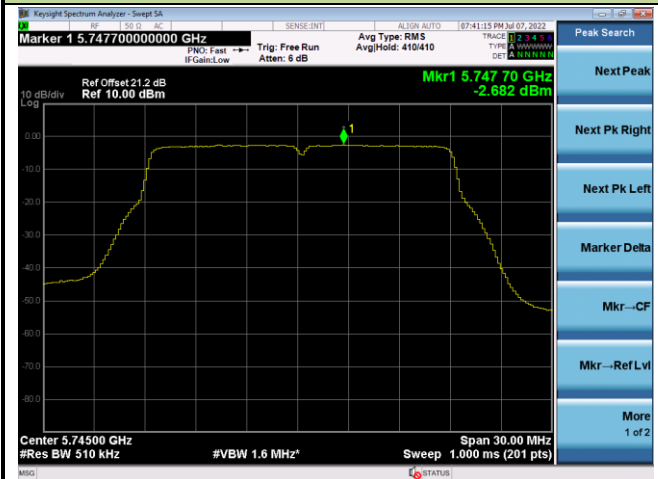
Channel 140 (5700MHz)



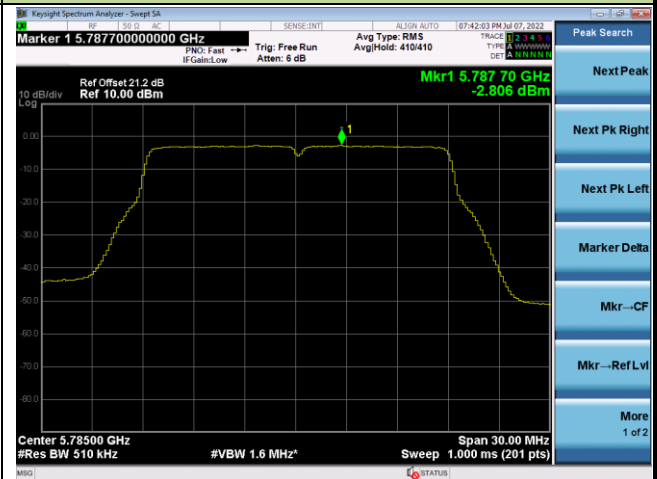
Channel 149 (5720MHz)



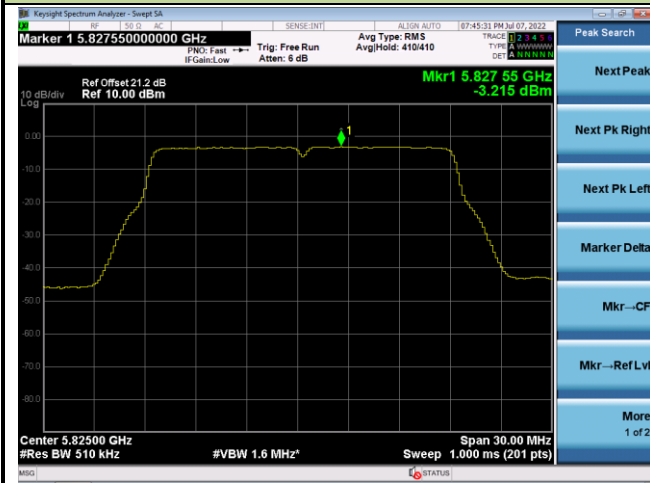
Channel 149 (5745MHz)



Channel 157 (5785MHz)

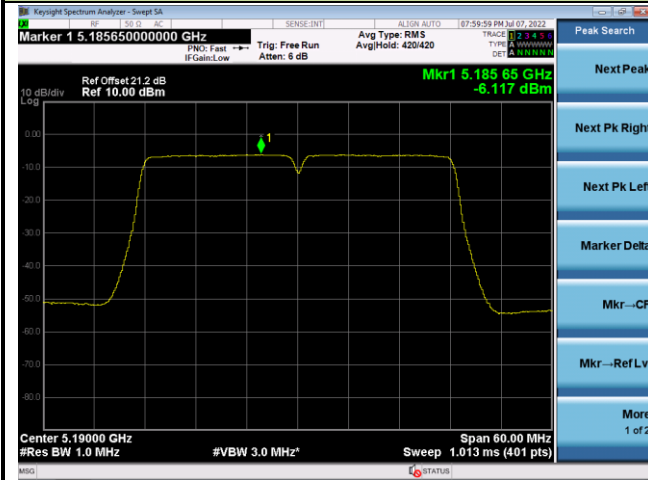


Channel 165 (5825MHz)

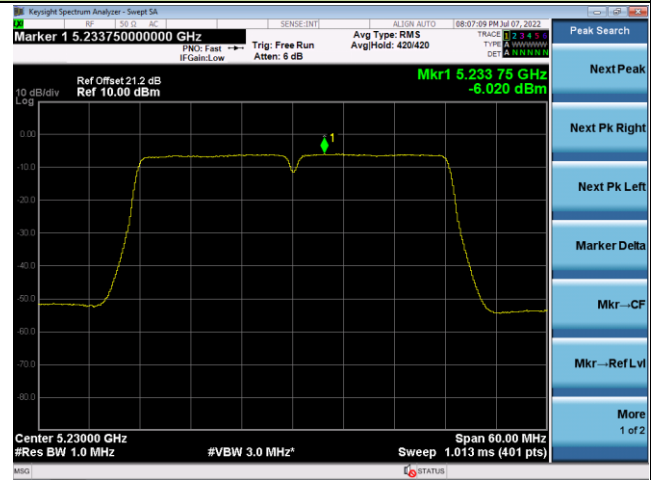


802.11ac-VHT40 Power Spectral Density – Ant 1

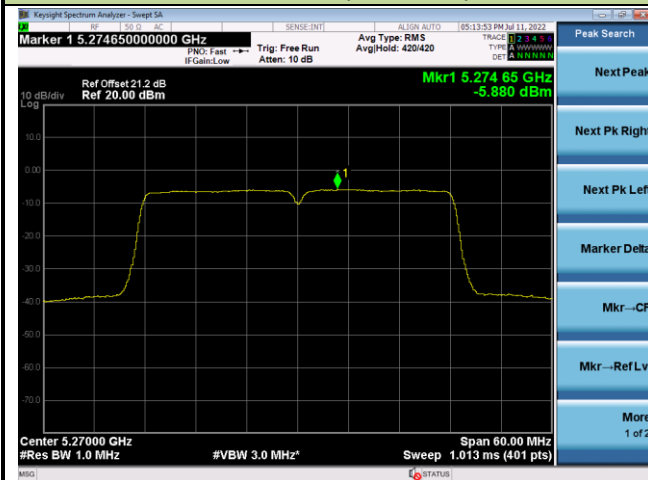
Channel 38 (5190MHz)



Channel 46 (5230MHz)



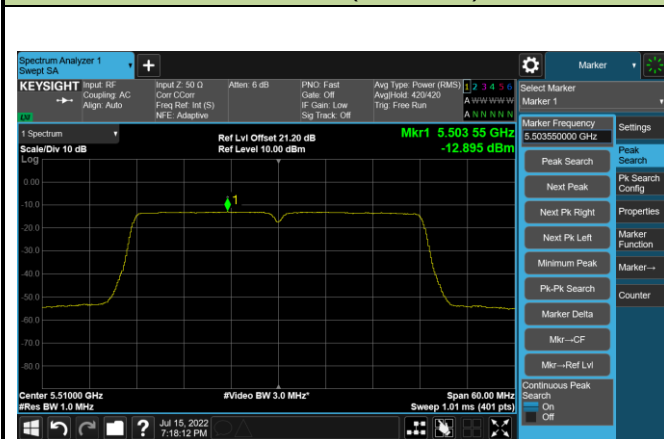
Channel 54 (5270MHz)



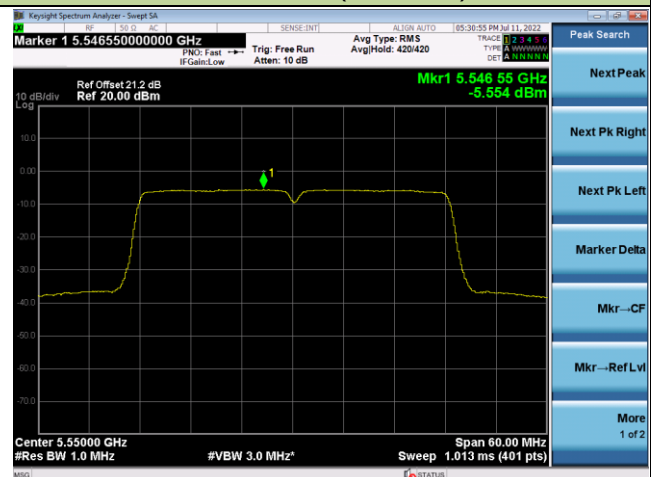
Channel 62 (5310MHz)

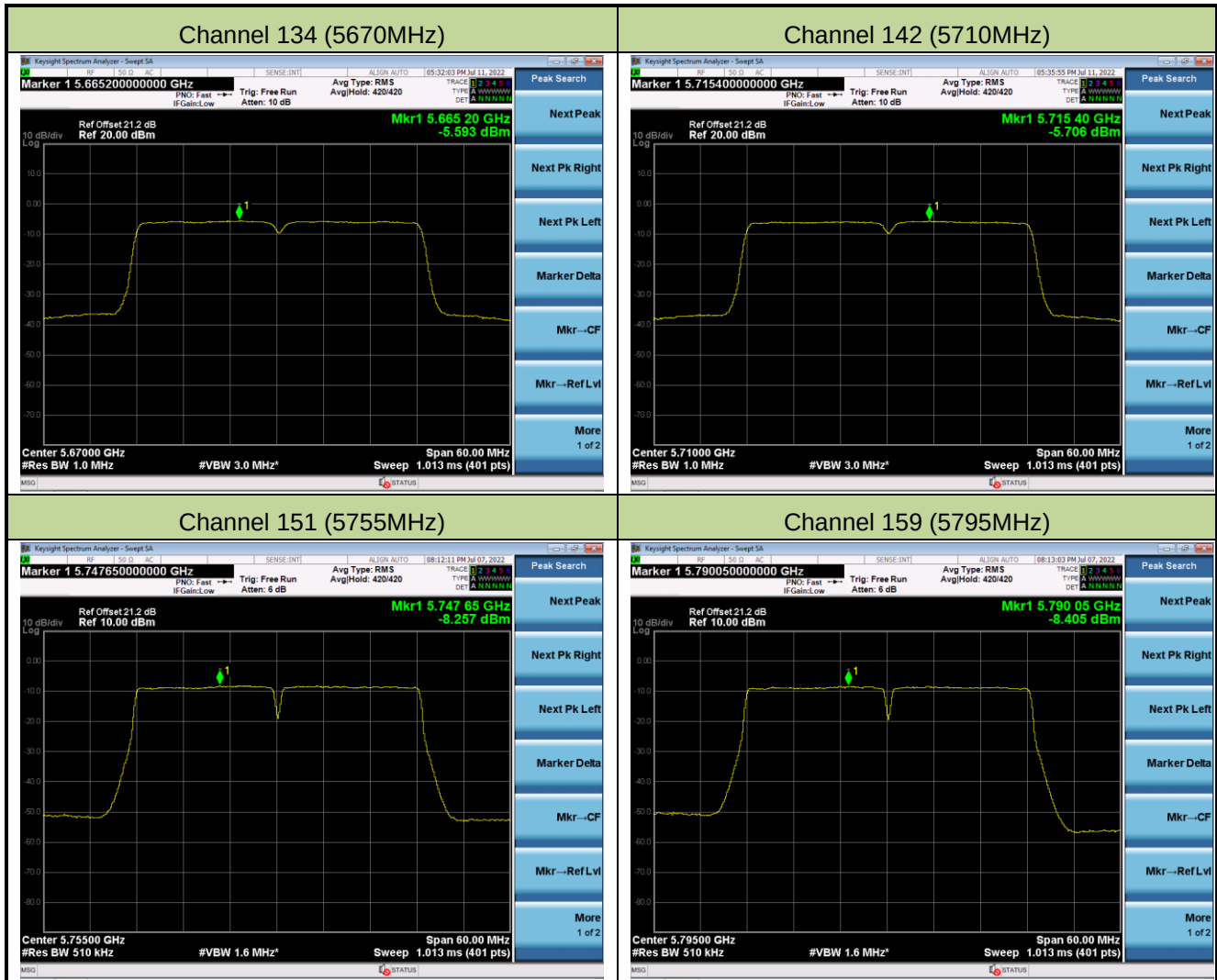


Channel 102 (5510MHz)



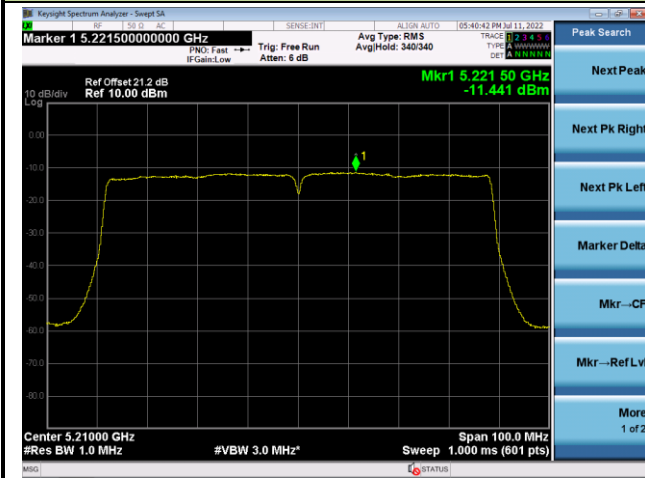
Channel 110 (5550MHz)





802.11ac-VHT80 Power Spectral Density – Ant 1

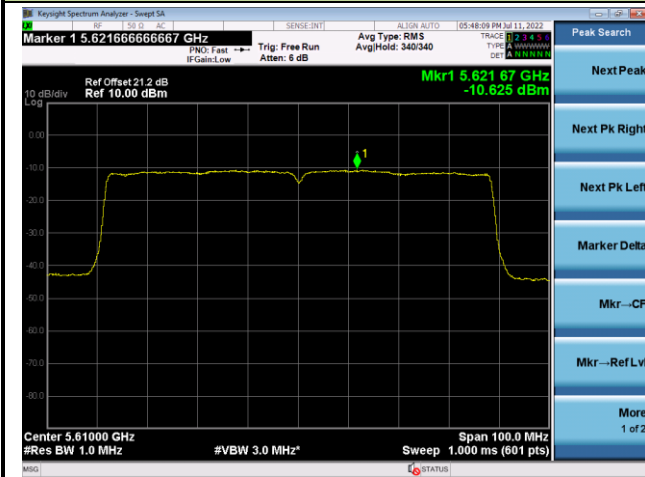
Channel 42 (5210MHz)



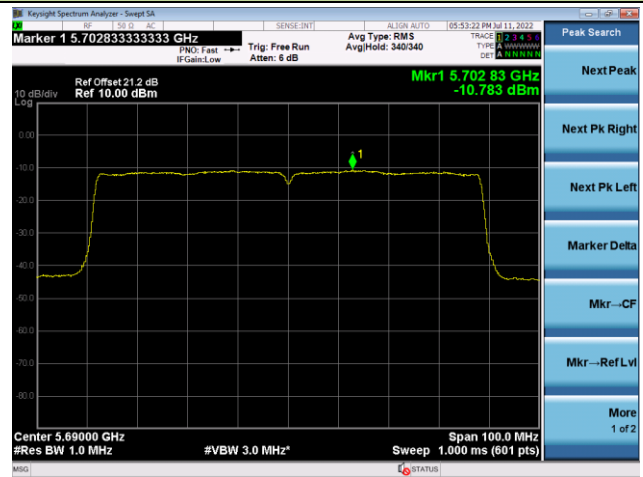
Channel 58 (5290MHz)



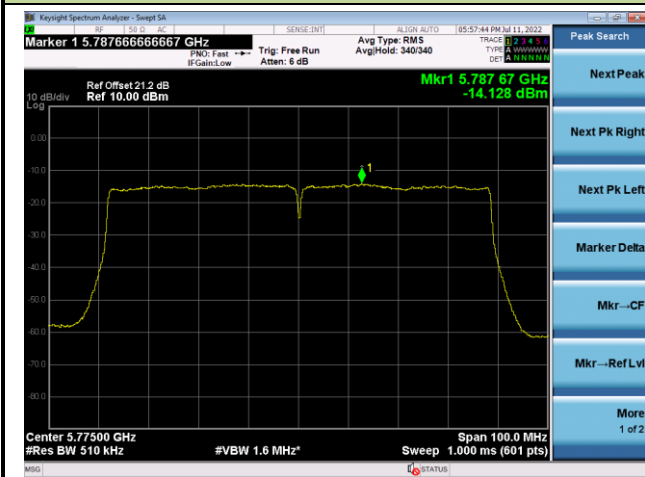
Channel 122 (5610MHz)



Channel 155 (5690MHz)



Channel 155 (5775MHz)



A.6 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Liz Yuan
Test Date	2022-07-21	Test Mode	5180MHz

Voltage (%)	Power (VAC)	Temp (°C)	F _L (MHz)				Operating Freq. Range (MHz)
			0 minutes	2 minutes	5 minutes	10 minutes	
100	120	- 30	5171.105	5171.132	5171.173	5171.098	5150 ~ 5350
		- 20	5171.106	5171.107	5171.063	5171.051	5150 ~ 5350
		- 10	5171.107	5171.142	5171.102	5171.109	5150 ~ 5350
		0	5171.175	5171.151	5171.124	5171.151	5150 ~ 5350
		+ 10	5171.126	5171.120	5171.137	5171.123	5150 ~ 5350
		+ 20	5171.207	5171.227	5171.186	5171.165	5150 ~ 5350
		+ 30	5171.280	5171.331	5171.335	5171.371	5150 ~ 5350
		+ 40	5171.224	5171.265	5171.325	5171.415	5150 ~ 5350
		+ 50	5171.456	5171.521	5171.536	5171.576	5150 ~ 5350
115	138	+ 20	5171.247	5171.253	5171.240	5171.195	5150 ~ 5350
85	102	+ 20	5171.197	5171.205	5171.198	5171.212	5150 ~ 5350

Note: F_L was determined by 99% bandwidth, and the F_L is falling within operating frequency range.

Test Site	WZ-TR3	Test Engineer	Liz Yuan
Test Date	2022-07-21	Test Mode	5320MHz

Voltage (%)	Power (VAC)	Temp (°C)	F _H (MHz)				Operating Freq. Range (MHz)
			0 minutes	2 minutes	5 minutes	10 minutes	
100	120	- 30	5328.985	5328.998	5328.994	5329.053	5150 ~ 5350
		- 20	5328.956	5328.968	5329.017	5329.031	5150 ~ 5350
		- 10	5328.963	5329.013	5329.027	5329.001	5150 ~ 5350
		0	5329.024	5329.049	5329.035	5329.061	5150 ~ 5350
		+ 10	5329.107	5329.062	5329.124	5329.139	5150 ~ 5350
		+ 20	5329.061	5329.083	5329.124	5329.128	5150 ~ 5350
		+ 30	5329.270	5329.174	5329.216	5329.225	5150 ~ 5350
		+ 40	5329.239	5329.177	5329.229	5329.223	5150 ~ 5350
		+ 50	5329.403	5329.409	5329.417	5329.433	5150 ~ 5350
115	138	+ 20	5329.099	5329.092	5329.122	5329.134	5150 ~ 5350
85	102	+ 20	5329.092	5329.094	5329.119	5329.144	5150 ~ 5350

Note: F_H was determined by 99% bandwidth, and the F_H is falling within operating frequency range.

Test Site	WZ-TR3	Test Engineer	Liz Yuan
Test Date	2022-07-21	Test Mode	5700MHz

Voltage (%)	Power (VAC)	Temp (°C)	F _H (MHz)				Operating Freq. Range (MHz)
			0 minutes	2 minutes	5 minutes	10 minutes	
100	120	- 30	5709.019	5708.984	5708.988	5709.071	5470 ~ 5725
		- 20	5708.961	5708.959	5708.954	5708.945	5470 ~ 5725
		- 10	5708.999	5709.004	5708.980	5709.041	5470 ~ 5725
		0	5709.037	5709.031	5709.069	5709.077	5470 ~ 5725
		+ 10	5709.088	5709.120	5709.091	5709.107	5470 ~ 5725
		+ 20	5709.094	5709.128	5709.137	5709.183	5470 ~ 5725
		+ 30	5709.293	5709.312	5709.258	5709.345	5470 ~ 5725
		+ 40	5709.269	5709.397	5709.318	5709.402	5470 ~ 5725
		+ 50	5709.338	5709.346	5709.494	5709.434	5470 ~ 5725
115	138	+ 20	5709.167	5709.157	5709.139	5709.161	5470 ~ 5725
85	102	+ 20	5709.162	5709.186	5709.184	5709.168	5470 ~ 5725

Note: F_H was determined by 99% bandwidth, and the F_H is falling within operating frequency range.

Test Site	WZ-TR3	Test Engineer	Liz Yuan
Test Date	2022-07-21	Test Mode	5745MHz

Voltage (%)	Power (VAC)	Temp (°C)	F _L (MHz)				Operating Freq. Range (MHz)
			0 minutes	2 minutes	5 minutes	10 minutes	
100	120	- 30	5736.106	5736.101	5736.085	5736.124	5725 ~ 5850
		- 20	5736.100	5736.112	5736.178	5736.085	5725 ~ 5850
		- 10	5736.144	5736.135	5736.070	5736.130	5725 ~ 5850
		0	5736.104	5736.169	5736.149	5736.101	5725 ~ 5850
		+ 10	5736.143	5736.139	5736.136	5736.153	5725 ~ 5850
		+ 20	5736.280	5736.260	5736.263	5736.307	5725 ~ 5850
		+ 30	5736.396	5736.397	5736.402	5736.439	5725 ~ 5850
		+ 40	5736.544	5736.507	5736.526	5736.505	5725 ~ 5850
		+ 50	5736.221	5736.289	5736.137	5736.409	5725 ~ 5850
115	138	+ 20	5736.274	5736.266	5736.296	5736.257	5725 ~ 5850
85	102	+ 20	5736.299	5736.301	5736.285	5736.308	5725 ~ 5850

Note: F_L was determined by 99% bandwidth, and the F_L is falling within operating frequency range.

A.7 Radiated Spurious Emission Test Result

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	37.1	10.3	47.4	68.2	-20.8	Peak	Horizontal
*	10358.5	38.7	12.7	51.4	68.2	-16.8	Peak	Horizontal
	11081.0	36.1	12.6	48.7	74.0	-25.3	Peak	Horizontal
	12220.0	36.4	12.3	48.7	74.0	-25.3	Peak	Horizontal
*	8709.5	35.0	10.0	45.0	68.2	-23.2	Peak	Vertical
*	10477.5	36.6	12.9	49.5	68.2	-18.7	Peak	Vertical
	11047.0	35.1	13.1	48.2	74.0	-25.8	Peak	Vertical
	12271.0	35.9	12.1	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	35.9	10.0	45.9	68.2	-22.3	Peak	Horizontal
*	10443.5	37.9	12.8	50.7	68.2	-17.5	Peak	Horizontal
	11047.0	35.9	13.1	49.0	74.0	-25.0	Peak	Horizontal
	12296.5	36.1	12.1	48.2	74.0	-25.8	Peak	Horizontal
*	8701.0	36.6	10.0	46.6	68.2	-21.6	Peak	Vertical
*	10188.5	35.3	12.9	48.2	68.2	-20.0	Peak	Vertical
	10962.0	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
	12687.5	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	36.4	10.3	46.7	68.2	-21.5	Peak	Horizontal
*	9950.5	34.7	11.9	46.6	68.2	-21.6	Peak	Horizontal
	10698.5	36.2	13.1	49.3	74.0	-24.7	Peak	Horizontal
	12543.0	36.8	11.9	48.7	74.0	-25.3	Peak	Horizontal
	8250.5	36.4	8.7	45.1	74.0	-28.9	Peak	Vertical
*	8820.0	35.5	10.3	45.8	68.2	-22.4	Peak	Vertical
	11098.0	35.7	12.8	48.5	74.0	-25.5	Peak	Vertical
*	12747.0	35.1	12.8	47.9	68.2	-20.3	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	35.7	10.0	45.7	68.2	-22.5	Peak	Horizontal
*	10520.0	37.9	12.9	50.8	68.2	-17.4	Peak	Horizontal
	11463.5	35.4	12.6	48.0	74.0	-26.0	Peak	Horizontal
	12194.5	35.8	12.1	47.9	74.0	-26.1	Peak	Horizontal
*	8641.5	36.4	9.7	46.1	68.2	-22.1	Peak	Vertical
*	9678.5	35.0	12.1	47.1	68.2	-21.1	Peak	Vertical
	10741.0	36.1	13.1	49.2	74.0	-24.8	Peak	Vertical
	12084.0	35.6	12.1	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	37.1	8.2	45.3	68.2	-22.9	Peak	Horizontal
*	9874.0	34.8	12.2	47.0	68.2	-21.2	Peak	Horizontal
	10605.0	38.7	13.1	51.8	74.0	-22.2	Peak	Horizontal
	10605.0	30.7	13.1	43.8	54.0	-10.2	Average	Horizontal
	12619.5	36.3	12.0	48.3	74.0	-25.7	Peak	Horizontal
*	8811.5	35.4	10.3	45.7	68.2	-22.5	Peak	Vertical
*	10027.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
	10783.5	35.4	12.9	48.3	74.0	-25.7	Peak	Vertical
	12407.0	36.3	12.0	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	34.9	9.6	44.5	68.2	-23.7	Peak	Horizontal
*	9721.0	33.4	12.2	45.6	68.2	-22.6	Peak	Horizontal
	10647.5	38.6	13.0	51.6	74.0	-22.4	Peak	Horizontal
	10647.5	31.0	13.0	44.0	54.0	-10.0	Average	Horizontal
	12203.0	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8922.0	35.7	10.4	46.1	68.2	-22.1	Peak	Vertical
*	9746.5	35.0	12.0	47.0	68.2	-21.2	Peak	Vertical
	10741.0	35.8	13.1	48.9	74.0	-25.1	Peak	Vertical
	12245.5	36.2	12.1	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	35.8	10.0	45.8	68.2	-22.4	Peak	Horizontal
*	9636.0	35.5	11.9	47.4	68.2	-20.8	Peak	Horizontal
	10792.0	34.9	13.0	47.9	74.0	-26.1	Peak	Horizontal
	12203.0	36.5	12.2	48.7	74.0	-25.3	Peak	Horizontal
*	8735.0	35.5	10.0	45.5	68.2	-22.7	Peak	Vertical
*	9738.0	35.9	12.1	48.0	68.2	-20.2	Peak	Vertical
	10826.0	35.1	12.8	47.9	74.0	-26.1	Peak	Vertical
	12373.0	35.5	12.1	47.6	74.0	-26.4	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	36.2	8.5	44.7	68.2	-23.5	Peak	Horizontal
*	10333.0	35.6	12.9	48.5	68.2	-19.7	Peak	Horizontal
	11208.5	35.8	12.4	48.2	74.0	-25.8	Peak	Horizontal
	12109.5	35.6	12.1	47.7	74.0	-26.3	Peak	Horizontal
*	7961.5	37.7	8.8	46.5	68.2	-21.7	Peak	Vertical
*	9882.5	34.8	12.3	47.1	68.2	-21.1	Peak	Vertical
	10724.0	36.7	12.9	49.6	74.0	-24.4	Peak	Vertical
	12237.0	36.7	12.0	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8777.5	35.7	10.1	45.8	68.2	-22.4	Peak	Horizontal
*	10282.0	34.9	12.8	47.7	68.2	-20.5	Peak	Horizontal
	11013.0	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
	12271.0	36.2	12.1	48.3	74.0	-25.7	Peak	Horizontal
*	8803.0	35.8	10.3	46.1	68.2	-22.1	Peak	Vertical
*	10256.5	35.8	12.7	48.5	68.2	-19.7	Peak	Vertical
	10945.0	35.5	12.9	48.4	74.0	-25.6	Peak	Vertical
	12305.0	36.8	12.2	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	35.4	10.0	45.4	68.2	-22.8	Peak	Horizontal
*	10180.0	35.2	12.9	48.1	68.2	-20.1	Peak	Horizontal
	11089.5	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	12449.5	35.7	12.1	47.8	74.0	-26.2	Peak	Horizontal
*	8709.5	35.2	10.0	45.2	68.2	-23.0	Peak	Vertical
*	10180.0	34.8	12.9	47.7	68.2	-20.5	Peak	Vertical
	10741.0	35.5	13.1	48.6	74.0	-25.4	Peak	Vertical
	11599.5	36.4	12.3	48.7	74.0	-25.3	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	35.2	9.9	45.1	68.2	-23.1	Peak	Horizontal
*	10188.5	35.4	12.9	48.3	68.2	-19.9	Peak	Horizontal
	10996.0	35.1	12.9	48.0	74.0	-26.0	Peak	Horizontal
	12135.0	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8803.0	34.9	10.3	45.2	68.2	-23.0	Peak	Vertical
*	10443.5	35.6	12.8	48.4	68.2	-19.8	Peak	Vertical
	10826.0	35.4	12.8	48.2	74.0	-25.8	Peak	Vertical
	12288.0	36.0	12.1	48.1	74.0	-25.9	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8726.5	35.8	10.0	45.8	68.2	-22.4	Peak	Horizontal
*	9712.5	34.6	12.1	46.7	68.2	-21.5	Peak	Horizontal
	10613.5	35.8	12.9	48.7	74.0	-25.3	Peak	Horizontal
	11863.0	35.3	12.2	47.5	74.0	-26.5	Peak	Horizontal
*	8726.5	35.5	10.0	45.5	68.2	-22.7	Peak	Vertical
*	10163.0	33.8	12.6	46.4	68.2	-21.8	Peak	Vertical
	11242.5	36.3	12.4	48.7	74.0	-25.3	Peak	Vertical
	12288.0	35.5	12.1	47.6	74.0	-26.4	Peak	Vertical
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11a	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8794.5	35.6	10.3	45.9	68.2	-22.3	Peak	Horizontal
*	9636.0	35.5	11.9	47.4	68.2	-20.8	Peak	Horizontal
	10707.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
	12160.5	35.7	12.2	47.9	74.0	-26.1	Peak	Horizontal
*	8879.5	35.9	10.3	46.2	68.2	-22.0	Peak	Vertical
*	9704.0	34.5	12.1	46.6	68.2	-21.6	Peak	Vertical
	11166.0	36.0	12.5	48.5	74.0	-25.5	Peak	Vertical
	12296.5	35.4	12.1	47.5	74.0	-26.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9857.0	35.2	12.1	47.3	68.2	-20.9	Peak	Horizontal
*	10350.0	37.3	12.8	50.1	68.2	-18.1	Peak	Horizontal
	11047.0	34.7	13.1	47.8	74.0	-26.2	Peak	Horizontal
	12373.0	35.6	12.1	47.7	74.0	-26.3	Peak	Horizontal
*	8735.0	35.9	10.0	45.9	68.2	-22.3	Peak	Vertical
*	10103.5	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
	10826.0	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
	11480.5	35.1	12.5	47.6	74.0	-26.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10443.5	36.8	12.8	49.6	68.2	-18.6	Peak	Horizontal
	10877.0	35.1	12.8	47.9	74.0	-26.1	Peak	Horizontal
	12441.0	35.9	12.1	48.0	74.0	-26.0	Peak	Horizontal
*	14132.5	37.5	13.8	51.3	68.2	-16.9	Peak	Horizontal
*	8803.0	36.0	10.3	46.3	68.2	-21.9	Peak	Vertical
*	10027.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
	10928.0	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
	12271.0	36.0	12.1	48.1	74.0	-25.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	35.6	10.3	45.9	68.2	-22.3	Peak	Horizontal
*	10486.0	36.7	13.0	49.7	68.2	-18.5	Peak	Horizontal
	10996.0	34.4	12.9	47.3	74.0	-26.7	Peak	Horizontal
	12220.0	35.6	12.3	47.9	74.0	-26.1	Peak	Horizontal
*	8828.5	35.0	10.2	45.2	68.2	-23.0	Peak	Vertical
*	9874.0	34.5	12.2	46.7	68.2	-21.5	Peak	Vertical
	10817.5	34.9	12.7	47.6	74.0	-26.4	Peak	Vertical
	12254.0	36.3	12.2	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	35.6	10.3	45.9	68.2	-22.3	Peak	Horizontal
*	10520.0	37.4	12.9	50.3	68.2	-17.9	Peak	Horizontal
	11021.5	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	11863.0	36.1	12.2	48.3	74.0	-25.7	Peak	Horizontal
*	8769.0	35.8	10.1	45.9	68.2	-22.3	Peak	Vertical
*	10095.0	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
	10979.0	35.3	12.7	48.0	74.0	-26.0	Peak	Vertical
	12628.0	35.9	12.0	47.9	74.0	-26.1	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9797.5	34.3	12.2	46.5	68.2	-21.7	Peak	Horizontal
*	10596.5	38.2	13.2	51.4	68.2	-16.8	Peak	Horizontal
	11123.5	34.4	12.3	46.7	74.0	-27.3	Peak	Horizontal
	12313.5	35.5	12.2	47.7	74.0	-26.3	Peak	Horizontal
*	8811.5	35.0	10.3	45.3	68.2	-22.9	Peak	Vertical
*	10129.0	34.4	12.7	47.1	68.2	-21.1	Peak	Vertical
	11038.5	35.1	12.9	48.0	74.0	-26.0	Peak	Vertical
	12262.5	35.6	12.2	47.8	74.0	-26.2	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8701.0	35.2	10.0	45.2	68.2	-23.0	Peak	Horizontal
*	9814.5	34.1	12.3	46.4	68.2	-21.8	Peak	Horizontal
	10639.0	39.6	13.1	52.7	74.0	-21.3	Peak	Horizontal
	10639.0	31.2	13.1	44.3	54.0	-9.7	Average	Horizontal
	12067.0	35.4	12.2	47.6	74.0	-26.4	Peak	Horizontal
*	8709.5	35.5	10.0	45.5	68.2	-22.7	Peak	Vertical
*	9865.5	35.1	12.1	47.2	68.2	-21.0	Peak	Vertical
	10758.0	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical
	12084.0	35.7	12.1	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7944.5	35.2	8.7	43.9	68.2	-24.3	Peak	Horizontal
*	9704.0	34.6	12.1	46.7	68.2	-21.5	Peak	Horizontal
	10885.5	34.3	12.8	47.1	74.0	-26.9	Peak	Horizontal
	12007.5	35.2	12.2	47.4	74.0	-26.6	Peak	Horizontal
*	8752.0	35.2	10.0	45.2	68.2	-23.0	Peak	Vertical
*	10477.5	35.5	12.9	48.4	68.2	-19.8	Peak	Vertical
	11132.0	35.4	12.3	47.7	74.0	-26.3	Peak	Vertical
	12296.5	35.9	12.1	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8913.5	36.2	10.4	46.6	68.2	-21.6	Peak	Horizontal
*	10095.0	34.6	12.5	47.1	68.2	-21.1	Peak	Horizontal
	10894.0	35.0	12.7	47.7	74.0	-26.3	Peak	Horizontal
	11497.5	35.9	12.8	48.7	74.0	-25.3	Peak	Horizontal
*	8004.0	36.5	8.8	45.3	68.2	-22.9	Peak	Vertical
*	9976.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
	10979.0	34.8	12.7	47.5	74.0	-26.5	Peak	Vertical
	12016.0	35.4	12.3	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	35.2	10.3	45.5	68.2	-22.7	Peak	Horizontal
*	10409.5	35.9	12.8	48.7	68.2	-19.5	Peak	Horizontal
	11098.0	34.6	12.8	47.4	74.0	-26.6	Peak	Horizontal
	12330.5	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8777.5	34.7	10.1	44.8	68.2	-23.4	Peak	Vertical
*	10171.5	33.8	12.8	46.6	68.2	-21.6	Peak	Vertical
	11089.5	34.7	12.7	47.4	74.0	-26.6	Peak	Vertical
	12526.0	35.7	12.0	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	34.0	10.3	44.3	68.2	-23.9	Peak	Horizontal
*	10290.5	35.0	12.9	47.9	68.2	-20.3	Peak	Horizontal
	10928.0	35.0	12.8	47.8	74.0	-26.2	Peak	Horizontal
	12322.0	35.9	12.2	48.1	74.0	-25.9	Peak	Horizontal
*	8752.0	36.2	10.0	46.2	68.2	-22.0	Peak	Vertical
*	9959.0	35.5	12.0	47.5	68.2	-20.7	Peak	Vertical
	10945.0	35.5	12.9	48.4	74.0	-25.6	Peak	Vertical
	12288.0	36.2	12.1	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8879.5	35.7	10.3	46.0	68.2	-22.2	Peak	Horizontal
*	10435.0	34.5	12.8	47.3	68.2	-20.9	Peak	Horizontal
	10996.0	34.4	12.9	47.3	74.0	-26.7	Peak	Horizontal
	12330.5	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	8820.0	34.7	10.3	45.0	68.2	-23.2	Peak	Vertical
*	9840.0	34.1	12.0	46.1	68.2	-22.1	Peak	Vertical
	10970.5	35.6	12.7	48.3	74.0	-25.7	Peak	Vertical
	12041.5	34.9	12.2	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	34.5	10.3	44.8	68.2	-23.4	Peak	Horizontal
*	9916.5	35.0	12.1	47.1	68.2	-21.1	Peak	Horizontal
	10919.5	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	11548.5	36.0	12.6	48.6	74.0	-25.4	Peak	Horizontal
*	8803.0	34.8	10.3	45.1	68.2	-23.1	Peak	Vertical
*	9984.5	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
	10698.5	34.3	13.1	47.4	74.0	-26.6	Peak	Vertical
	11973.5	35.5	12.1	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT20	Test Channel	165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	34.4	10.0	44.4	68.2	-23.8	Peak	Horizontal
*	10129.0	35.5	12.7	48.2	68.2	-20.0	Peak	Horizontal
	10783.5	35.6	12.9	48.5	74.0	-25.5	Peak	Horizontal
	12228.5	35.6	12.1	47.7	74.0	-26.3	Peak	Horizontal
*	8803.0	36.0	10.3	46.3	68.2	-21.9	Peak	Vertical
*	10137.5	34.7	12.7	47.4	68.2	-20.8	Peak	Vertical
	10987.5	35.0	12.9	47.9	74.0	-26.1	Peak	Vertical
	12262.5	35.9	12.2	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	36.0	10.3	46.3	68.2	-21.9	Peak	Horizontal
*	10171.5	35.2	12.8	48.0	68.2	-20.2	Peak	Horizontal
	10987.5	34.4	12.9	47.3	74.0	-26.7	Peak	Horizontal
	12058.5	35.1	12.3	47.4	74.0	-26.6	Peak	Horizontal
*	8769.0	34.5	10.1	44.6	68.2	-23.6	Peak	Vertical
*	10180.0	34.2	12.9	47.1	68.2	-21.1	Peak	Vertical
	10783.5	34.7	12.9	47.6	74.0	-26.4	Peak	Vertical
	12398.5	35.4	11.9	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8786.0	35.9	10.2	46.1	68.2	-22.1	Peak	Horizontal
*	9984.5	34.4	12.5	46.9	68.2	-21.3	Peak	Horizontal
	11064.0	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	12203.0	35.1	12.2	47.3	74.0	-26.7	Peak	Horizontal
*	8777.5	35.8	10.1	45.9	68.2	-22.3	Peak	Vertical
*	10180.0	34.5	12.9	47.4	68.2	-20.8	Peak	Vertical
	10919.5	35.1	12.7	47.8	74.0	-26.2	Peak	Vertical
	12279.5	36.9	12.1	49.0	74.0	-25.0	Peak	Vertical
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8760.5	35.7	10.1	45.8	68.2	-22.4	Peak	Horizontal
*	9882.5	34.8	12.3	47.1	68.2	-21.1	Peak	Horizontal
	10970.5	35.5	12.7	48.2	74.0	-25.8	Peak	Horizontal
	12432.5	35.1	12.1	47.2	74.0	-26.8	Peak	Horizontal
*	8752.0	35.6	10.0	45.6	68.2	-22.6	Peak	Vertical
*	10163.0	34.3	12.6	46.9	68.2	-21.3	Peak	Vertical
	11047.0	35.0	13.1	48.1	74.0	-25.9	Peak	Vertical
	11523.0	36.4	12.5	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8845.5	35.4	10.3	45.7	68.2	-22.5	Peak	Horizontal
*	10188.5	34.6	12.9	47.5	68.2	-20.7	Peak	Horizontal
	11089.5	35.6	12.7	48.3	74.0	-25.7	Peak	Horizontal
	12398.5	35.6	11.9	47.5	74.0	-26.5	Peak	Horizontal
*	8658.5	35.3	9.8	45.1	68.2	-23.1	Peak	Vertical
*	10350.0	36.4	12.8	49.2	68.2	-19.0	Peak	Vertical
	10809.0	35.3	12.8	48.1	74.0	-25.9	Peak	Vertical
	12245.5	36.2	12.1	48.3	74.0	-25.7	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9789.0	34.7	12.1	46.8	68.2	-21.4	Peak	Horizontal
	11013.0	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
	11990.5	35.6	12.2	47.8	74.0	-26.2	Peak	Horizontal
*	13784.0	36.4	13.7	50.1	68.2	-18.1	Peak	Horizontal
*	8845.5	35.6	10.3	45.9	68.2	-22.3	Peak	Vertical
*	9687.0	34.7	12.1	46.8	68.2	-21.4	Peak	Vertical
	10996.0	35.2	12.9	48.1	74.0	-25.9	Peak	Vertical
	12415.5	35.0	12.1	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8658.5	35.9	9.8	45.7	68.2	-22.5	Peak	Horizontal
*	10188.5	35.2	12.9	48.1	68.2	-20.1	Peak	Horizontal
	11030.0	34.9	12.7	47.6	74.0	-26.4	Peak	Horizontal
	12050.0	36.1	12.3	48.4	74.0	-25.6	Peak	Horizontal
*	8616.0	36.3	9.6	45.9	68.2	-22.3	Peak	Vertical
	10902.5	35.1	12.7	47.8	74.0	-26.2	Peak	Vertical
	11633.5	36.1	12.0	48.1	74.0	-25.9	Peak	Vertical
*	12959.5	37.4	12.8	50.2	68.2	-18.0	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8692.5	36.5	10.0	46.5	68.2	-21.7	Peak	Horizontal
*	10171.5	34.9	12.8	47.7	68.2	-20.5	Peak	Horizontal
	11081.0	35.4	12.6	48.0	74.0	-26.0	Peak	Horizontal
	12475.0	36.0	11.9	47.9	74.0	-26.1	Peak	Horizontal
*	8752.0	35.7	10.0	45.7	68.2	-22.5	Peak	Vertical
*	9814.5	35.0	12.3	47.3	68.2	-20.9	Peak	Vertical
	10902.5	35.1	12.7	47.8	74.0	-26.2	Peak	Vertical
	12075.5	35.6	12.2	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8888.0	35.6	10.3	45.9	68.2	-22.3	Peak	Horizontal
*	9865.5	34.7	12.1	46.8	68.2	-21.4	Peak	Horizontal
	10885.5	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
	11778.0	36.6	12.0	48.6	74.0	-25.4	Peak	Horizontal
*	9695.5	34.3	12.0	46.3	68.2	-21.9	Peak	Vertical
*	10367.0	34.5	12.7	47.2	68.2	-21.0	Peak	Vertical
	10970.5	35.9	12.7	48.6	74.0	-25.4	Peak	Vertical
	11999.0	36.0	12.2	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	151
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8811.5	35.3	10.3	45.6	68.2	-22.6	Peak	Horizontal
*	9984.5	34.8	12.5	47.3	68.2	-20.9	Peak	Horizontal
	10783.5	35.9	12.9	48.8	74.0	-25.2	Peak	Horizontal
	12067.0	35.5	12.2	47.7	74.0	-26.3	Peak	Horizontal
*	8811.5	35.8	10.3	46.1	68.2	-22.1	Peak	Vertical
*	10401.0	35.2	12.8	48.0	68.2	-20.2	Peak	Vertical
	10996.0	34.8	12.9	47.7	74.0	-26.3	Peak	Vertical
	12347.5	36.6	12.2	48.8	74.0	-25.2	Peak	Vertical
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT40	Test Channel	159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8735.0	35.0	10.0	45.0	68.2	-23.2	Peak	Horizontal
*	10188.5	35.6	12.9	48.5	68.2	-19.7	Peak	Horizontal
	10758.0	35.5	12.8	48.3	74.0	-25.7	Peak	Horizontal
	12543.0	36.7	11.9	48.6	74.0	-25.4	Peak	Horizontal
*	8769.0	35.7	10.1	45.8	68.2	-22.4	Peak	Vertical
*	9984.5	34.4	12.5	46.9	68.2	-21.3	Peak	Vertical
	11038.5	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	12279.5	36.2	12.1	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT80	Test Channel	42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	35.9	9.6	45.5	68.2	-22.7	Peak	Horizontal
*	10061.0	35.5	12.2	47.7	68.2	-20.5	Peak	Horizontal
	10894.0	35.2	12.7	47.9	74.0	-26.1	Peak	Horizontal
	12084.0	36.2	12.1	48.3	74.0	-25.7	Peak	Horizontal
*	8811.5	36.4	10.3	46.7	68.2	-21.5	Peak	Vertical
*	10171.5	34.7	12.8	47.5	68.2	-20.7	Peak	Vertical
	10970.5	35.6	12.7	48.3	74.0	-25.7	Peak	Vertical
	12449.5	36.3	12.1	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT80	Test Channel	58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8743.5	35.8	10.0	45.8	68.2	-22.4	Peak	Horizontal
*	10180.0	35.0	12.9	47.9	68.2	-20.3	Peak	Horizontal
	10987.5	34.9	12.9	47.8	74.0	-26.2	Peak	Horizontal
	12296.5	35.5	12.1	47.6	74.0	-26.4	Peak	Horizontal
*	8820.0	35.7	10.3	46.0	68.2	-22.2	Peak	Vertical
*	10401.0	35.5	12.8	48.3	68.2	-19.9	Peak	Vertical
	10945.0	34.9	12.9	47.8	74.0	-26.2	Peak	Vertical
	12254.0	35.3	12.2	47.5	74.0	-26.5	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT80	Test Channel	122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8820.0	35.3	10.3	45.6	68.2	-22.6	Peak	Horizontal
*	9823.0	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
	10792.0	34.0	13.0	47.0	74.0	-27.0	Peak	Horizontal
	11973.5	36.2	12.1	48.3	74.0	-25.7	Peak	Horizontal
*	8726.5	35.3	10.0	45.3	68.2	-22.9	Peak	Vertical
*	10486.0	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
	10936.5	34.7	12.9	47.6	74.0	-26.4	Peak	Vertical
	12305.0	35.5	12.2	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT80	Test Channel	138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

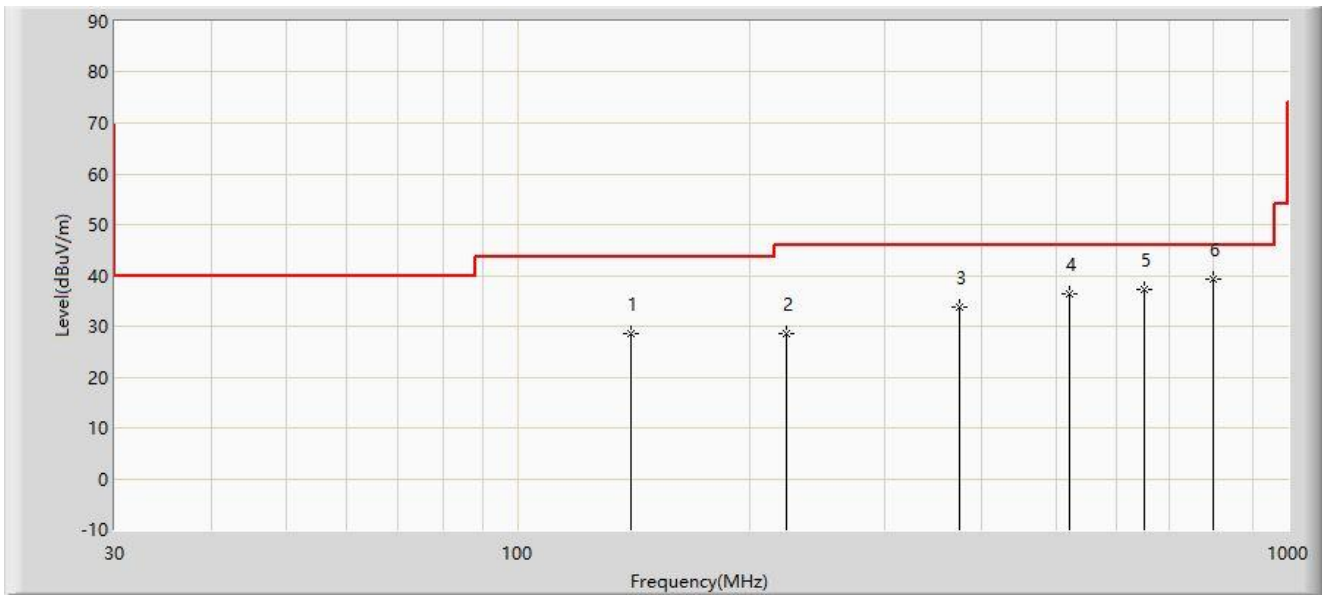
Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8803.0	35.8	10.3	46.1	68.2	-22.1	Peak	Horizontal
*	9993.0	35.1	12.3	47.4	68.2	-20.8	Peak	Horizontal
	11021.5	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
	12279.5	35.8	12.1	47.9	74.0	-26.1	Peak	Horizontal
*	8811.5	35.5	10.3	45.8	68.2	-22.4	Peak	Vertical
*	10146.0	35.1	12.7	47.8	68.2	-20.4	Peak	Vertical
	11013.0	35.6	12.8	48.4	74.0	-25.6	Peak	Vertical
	12194.5	35.3	12.1	47.4	74.0	-26.6	Peak	Vertical
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Product	Barracuda NextGen Firewall	Test Engineer	Edith Yu
Test Site	WZ-AC1	Test Date	2022-07-13
Test Mode	802.11ac-VHT80	Test Channel	155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8964.5	35.9	10.6	46.5	68.2	-21.7	Peak	Horizontal
*	9865.5	35.5	12.1	47.6	68.2	-20.6	Peak	Horizontal
	10749.5	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
	11897.0	35.9	12.0	47.9	74.0	-26.1	Peak	Horizontal
*	8667.0	36.0	9.8	45.8	68.2	-22.4	Peak	Vertical
*	10137.5	35.0	12.7	47.7	68.2	-20.5	Peak	Vertical
	10936.5	35.6	12.9	48.5	74.0	-25.5	Peak	Vertical
	12313.5	36.3	12.2	48.5	74.0	-25.5	Peak	Vertical
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions. Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

The Worst-Case Result of Radiated Emission below 1GHz:

Site: WZ-AC2	Test Date: 2022-07-15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Luis Yang
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5580MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		140.095	28.519	13.252	-14.981	43.500	15.268	PK
2		223.030	28.657	9.514	-17.343	46.000	19.143	PK
3		374.835	33.648	10.872	-12.352	46.000	22.775	PK
4		520.820	36.460	11.068	-9.540	46.000	25.392	PK
5		650.315	37.373	9.754	-8.627	46.000	27.619	PK
6	*	800.180	39.195	9.384	-6.805	46.000	29.811	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

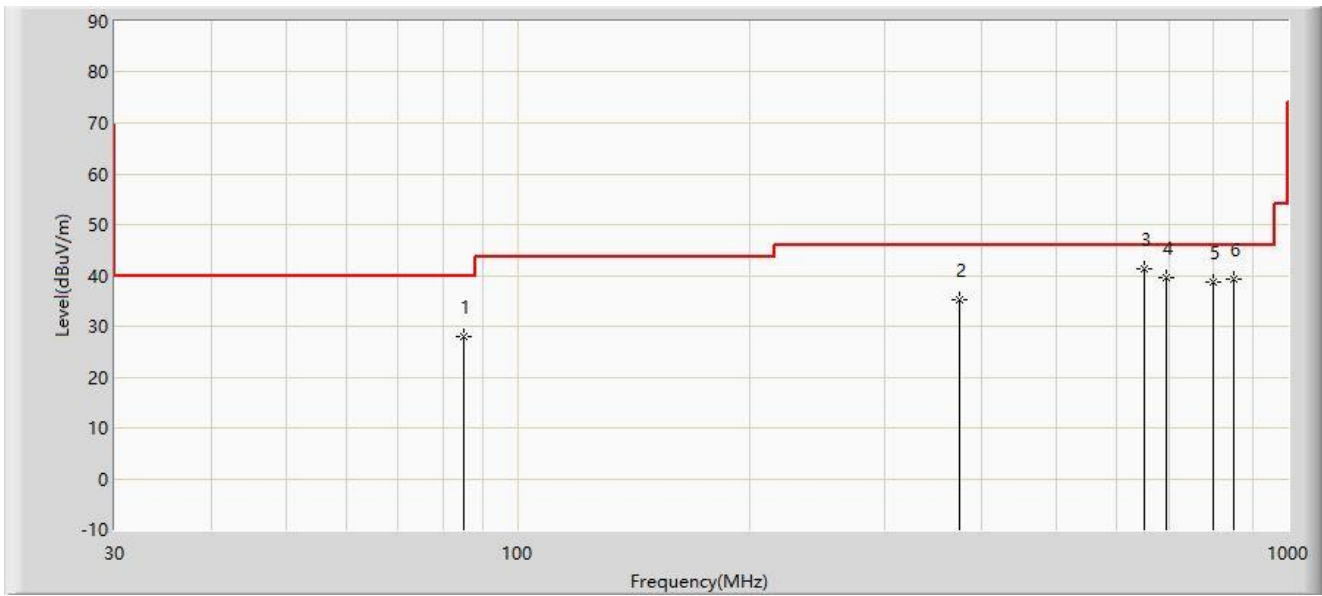
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: WZ-AC2	Test Date: 2022-07-15
Limit: FCC_Part15.209_RSE(3m)	Engineer: Luis Yang
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5580MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		85.290	27.989	12.902	-12.011	40.000	15.086	PK
2		374.835	35.167	12.391	-10.833	46.000	22.775	PK
3	*	650.315	41.209	13.590	-4.791	46.000	27.619	PK
4		695.420	39.602	11.045	-6.398	46.000	28.558	PK
5		800.180	38.614	8.803	-7.386	46.000	29.811	PK
6		850.135	39.376	8.627	-6.624	46.000	30.749	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

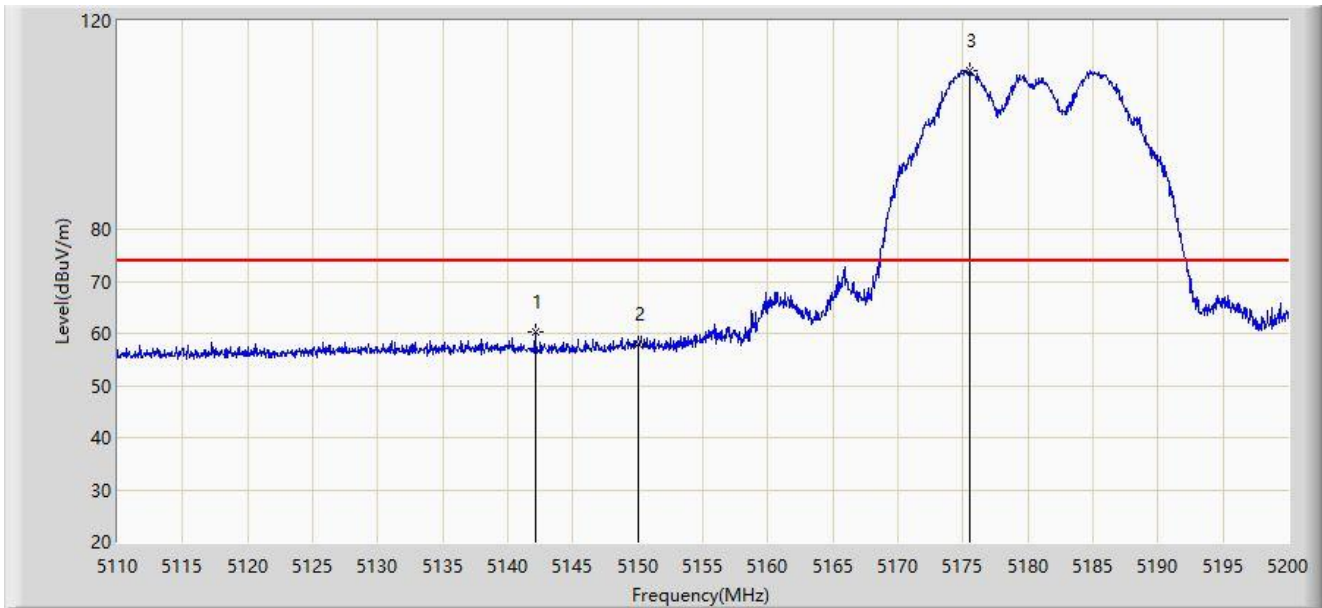
Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

A.8 Radiated Restricted Band Edge Test Result

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



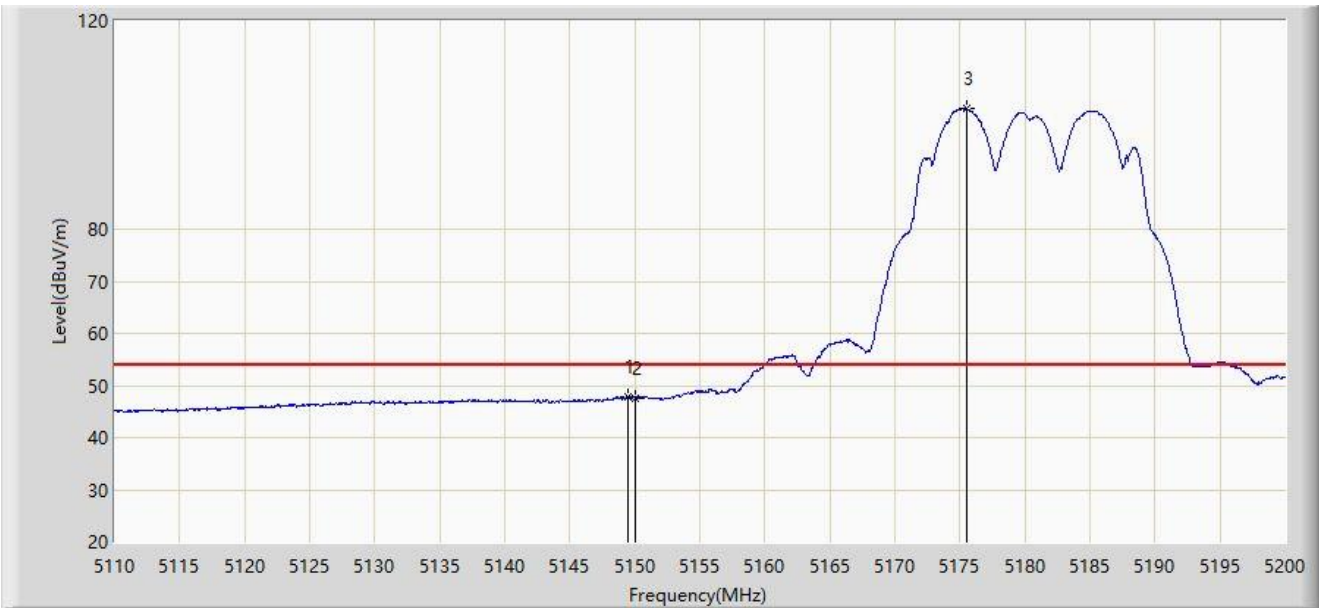
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5142.130	60.250	56.047	-13.750	74.000	4.203	PK
2		5150.000	58.085	53.849	-15.915	74.000	4.236	PK
3		5175.520	110.572	106.591	N/A	N/A	3.981	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



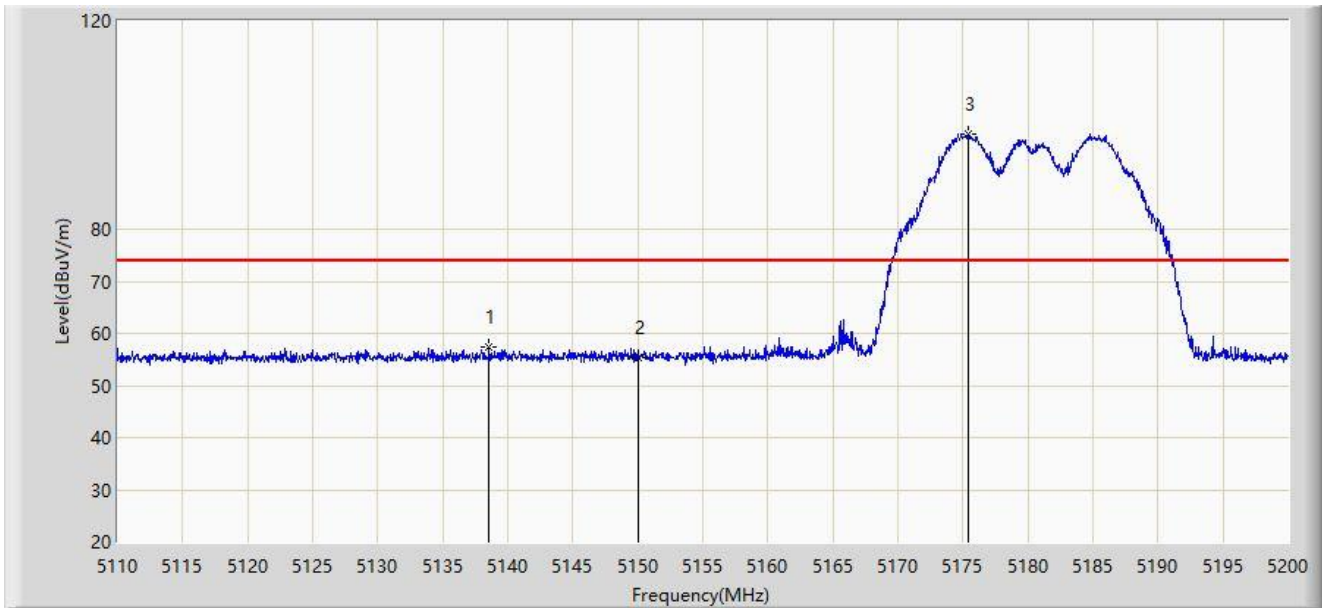
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.420	47.825	43.588	-6.175	54.000	4.236	AV
2		5150.000	47.648	43.412	-6.352	54.000	4.236	AV
3		5175.475	103.086	99.105	N/A	N/A	3.982	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5138.575	57.466	53.286	-16.534	74.000	4.180	PK
2		5150.000	55.324	51.088	-18.676	74.000	4.236	PK
3		5175.430	98.128	94.147	N/A	N/A	3.982	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	



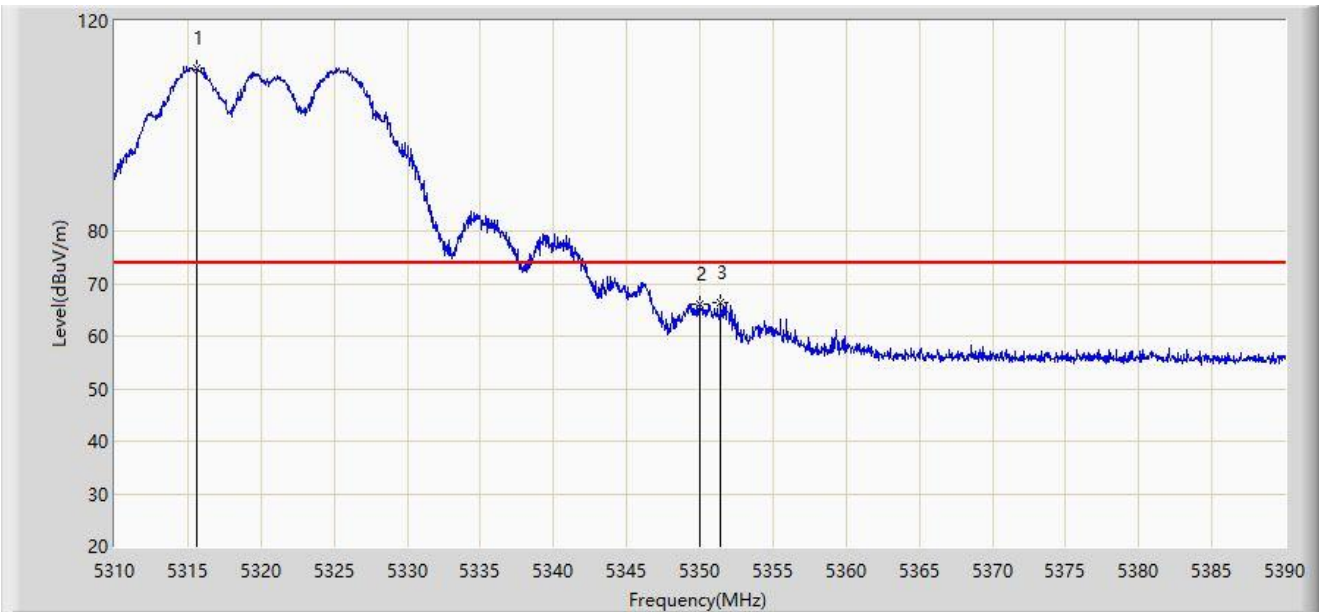
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5145.280	44.392	40.169	-9.608	54.000	4.223	AV
2	*	5150.000	44.400	40.164	-9.600	54.000	4.236	AV
3		5174.665	90.371	86.390	N/A	N/A	3.982	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



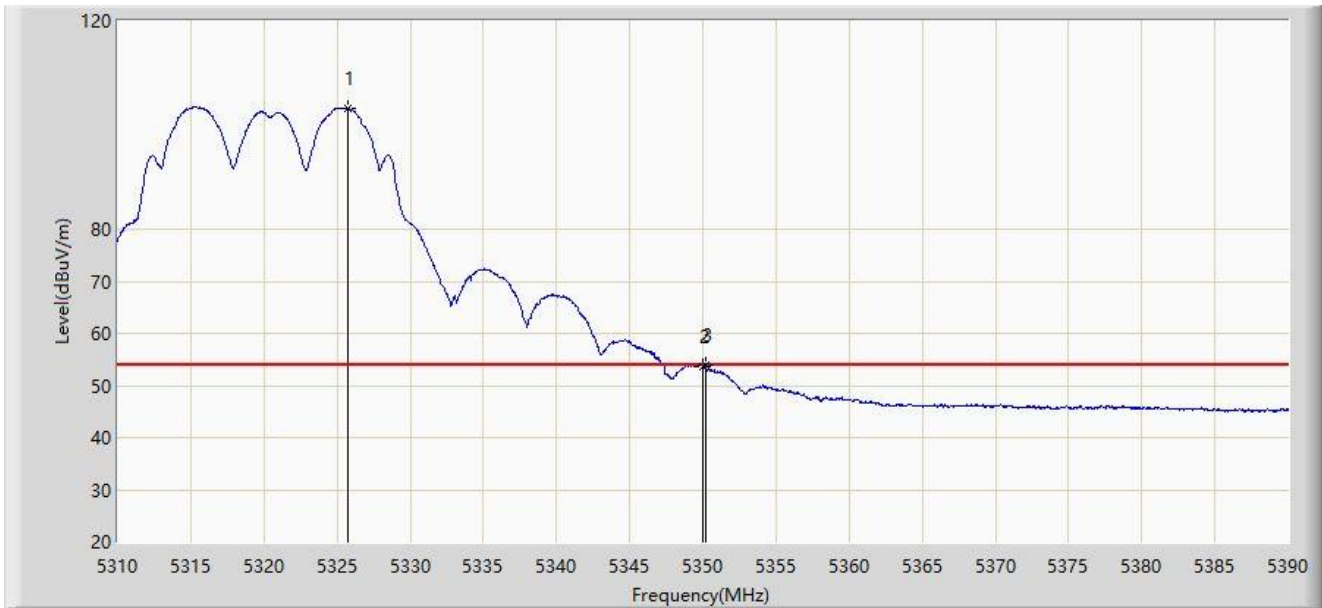
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5315.640	110.883	106.824	N/A	N/A	4.060	PK
2		5350.000	66.016	62.079	-7.984	74.000	3.937	PK
3	*	5351.440	66.253	62.344	-7.747	74.000	3.909	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



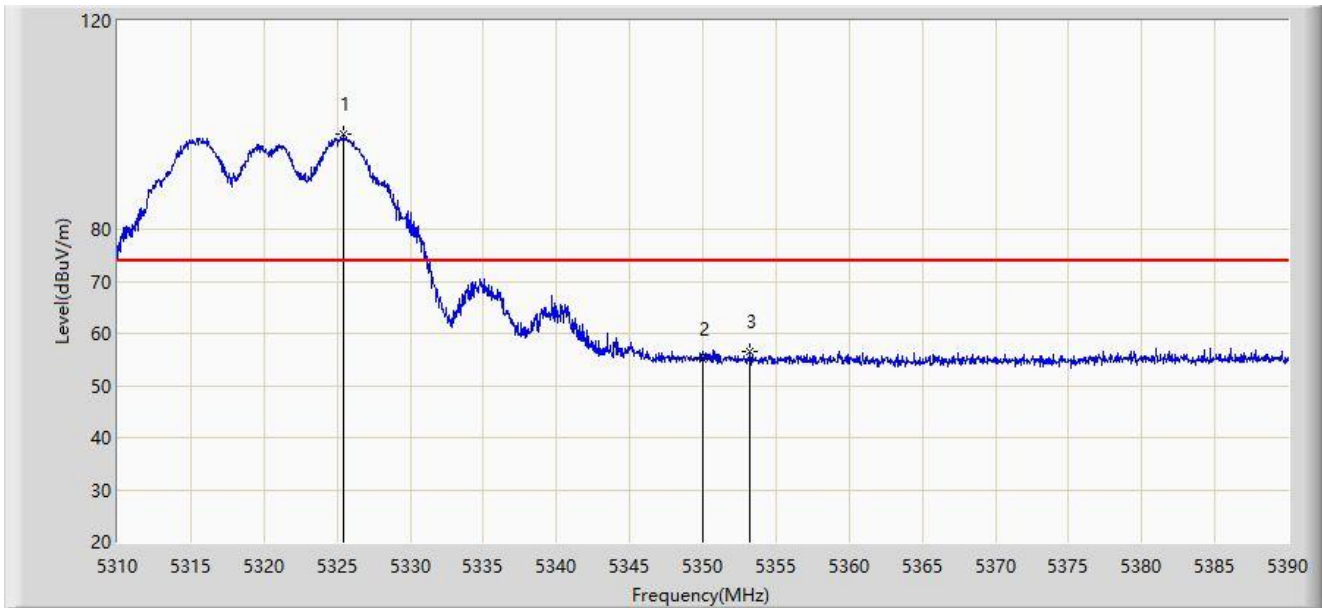
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.760	103.097	99.027	N/A	N/A	4.070	AV
2		5350.000	53.574	49.637	-0.426	54.000	3.937	AV
3	*	5350.200	53.827	49.894	-0.173	54.000	3.933	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



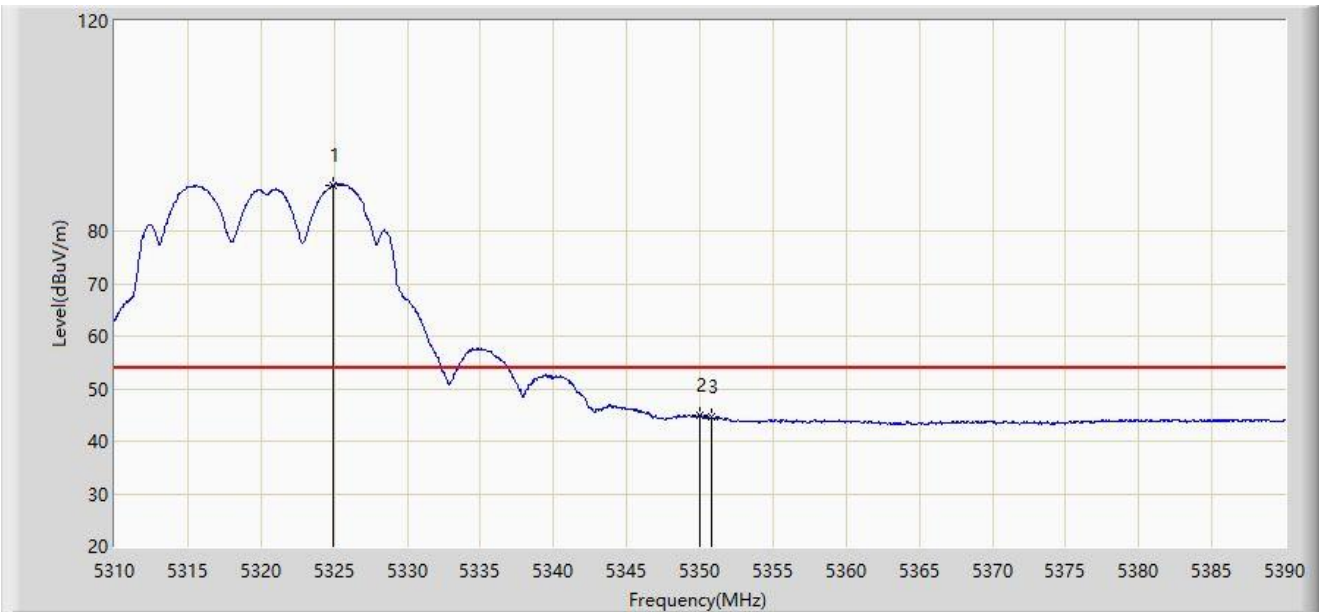
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.440	98.135	94.065	N/A	N/A	4.070	PK
2		5350.000	55.121	51.184	-18.879	74.000	3.937	PK
3	*	5353.240	56.609	52.718	-17.391	74.000	3.891	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5324.960	88.803	84.732	N/A	N/A	4.071	AV
2	*	5350.000	44.920	40.983	-9.080	54.000	3.937	AV
3		5350.760	44.541	40.619	-9.459	54.000	3.922	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-13
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5459.250	60.393	56.465	-13.607	74.000	3.927	PK
2		5460.000	59.170	55.238	-14.830	74.000	3.932	PK
3	*	5469.915	67.182	63.200	-1.018	68.200	3.982	PK
4		5470.000	66.162	62.180	-2.038	68.200	3.982	PK
5		5496.285	111.752	107.552	N/A	N/A	4.200	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



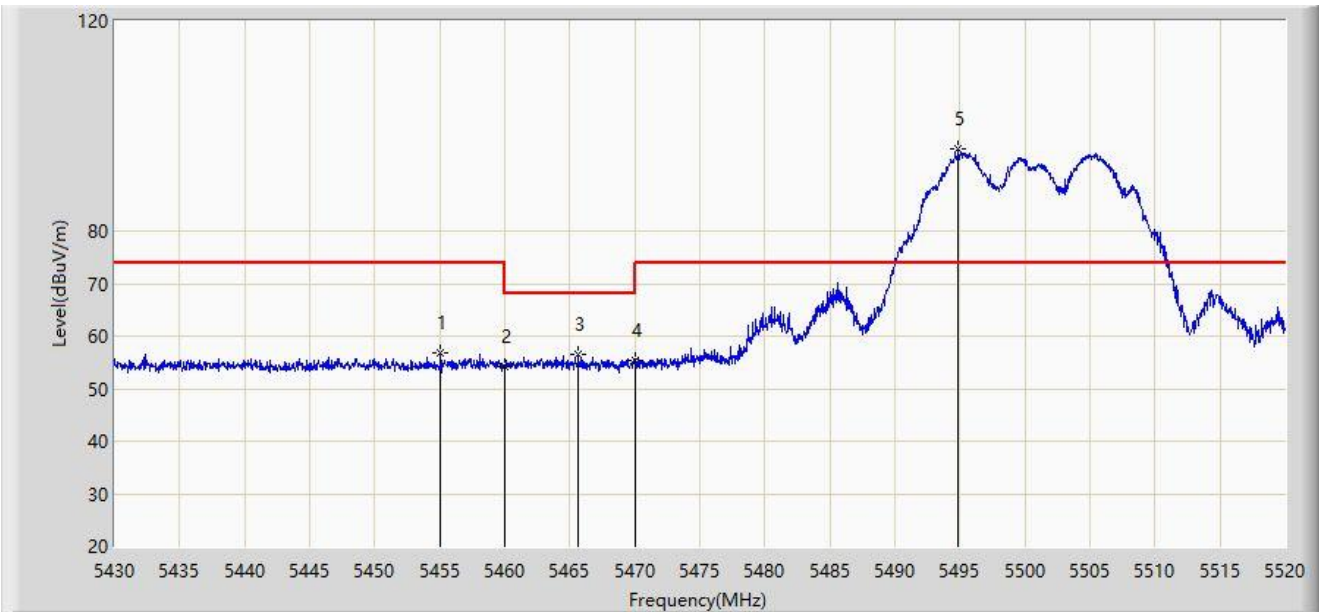
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5458.890	48.058	44.132	-5.942	54.000	3.926	AV
2		5460.000	47.983	44.051	-6.017	54.000	3.932	AV
3		5495.610	103.198	98.992	N/A	N/A	4.206	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



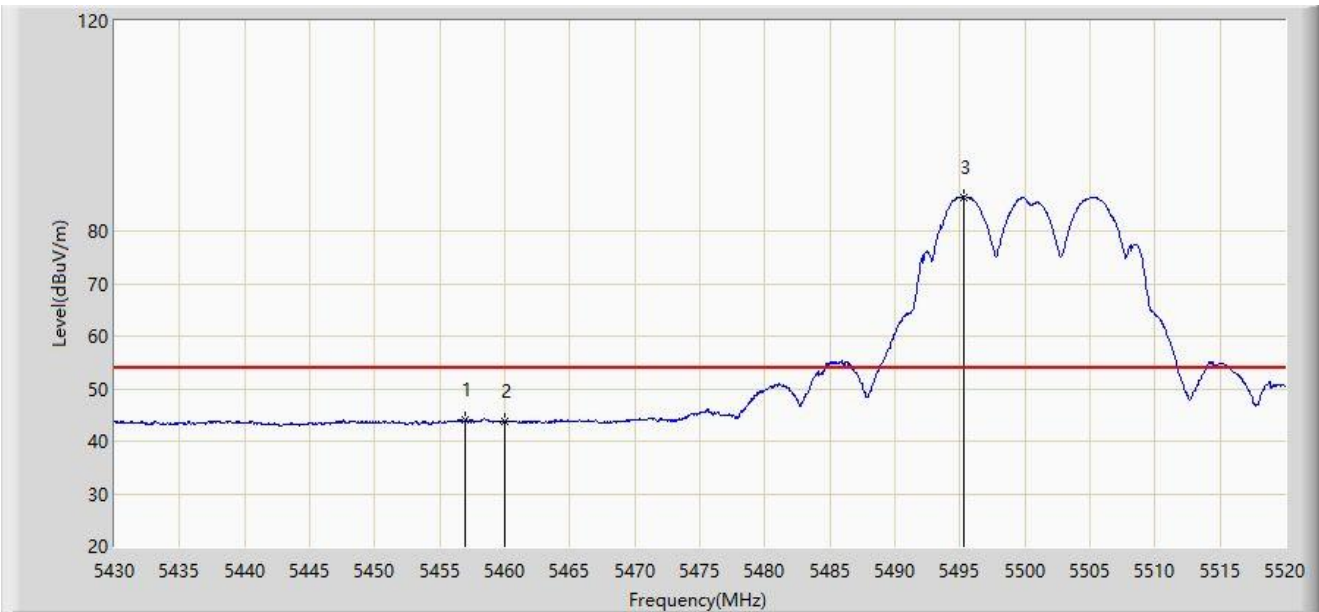
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5455.065	56.927	53.043	-17.073	74.000	3.885	PK
2		5460.000	54.317	50.385	-19.683	74.000	3.932	PK
3	*	5465.640	56.466	52.506	-11.734	68.200	3.961	PK
4		5470.000	55.377	51.395	-12.823	68.200	3.982	PK
5		5494.890	95.614	91.402	N/A	N/A	4.212	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	



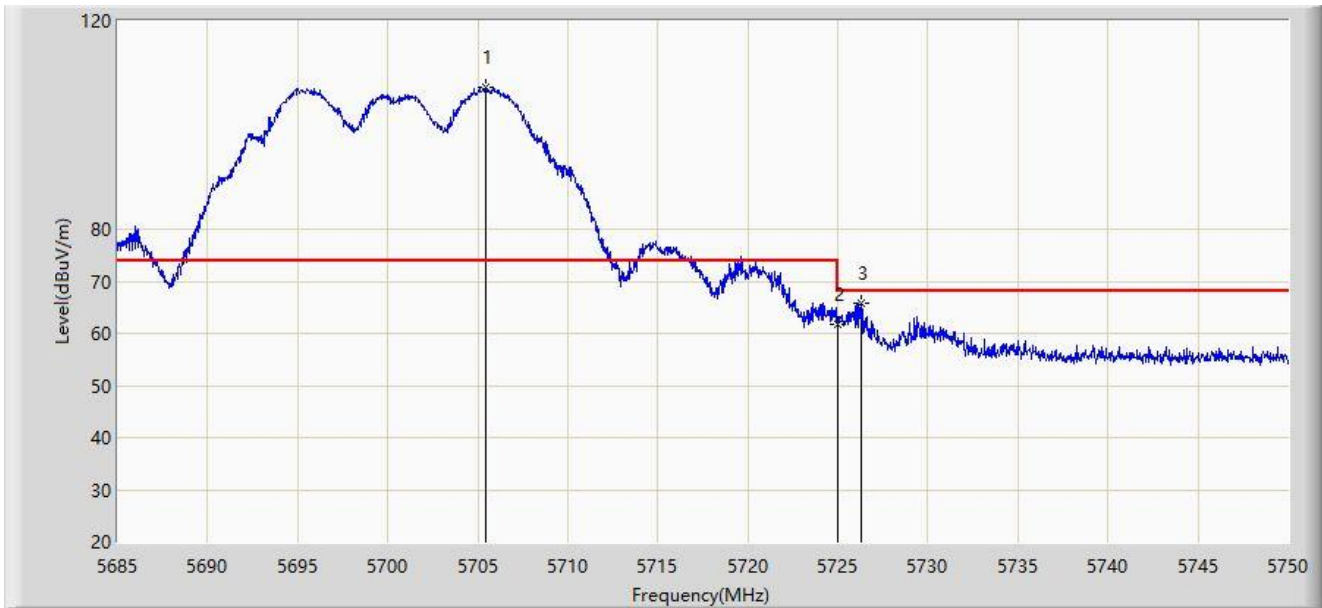
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5456.955	44.119	40.202	-9.881	54.000	3.917	AV
2		5460.000	43.711	39.779	-10.289	54.000	3.932	AV
3		5495.340	86.520	82.312	N/A	N/A	4.208	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	



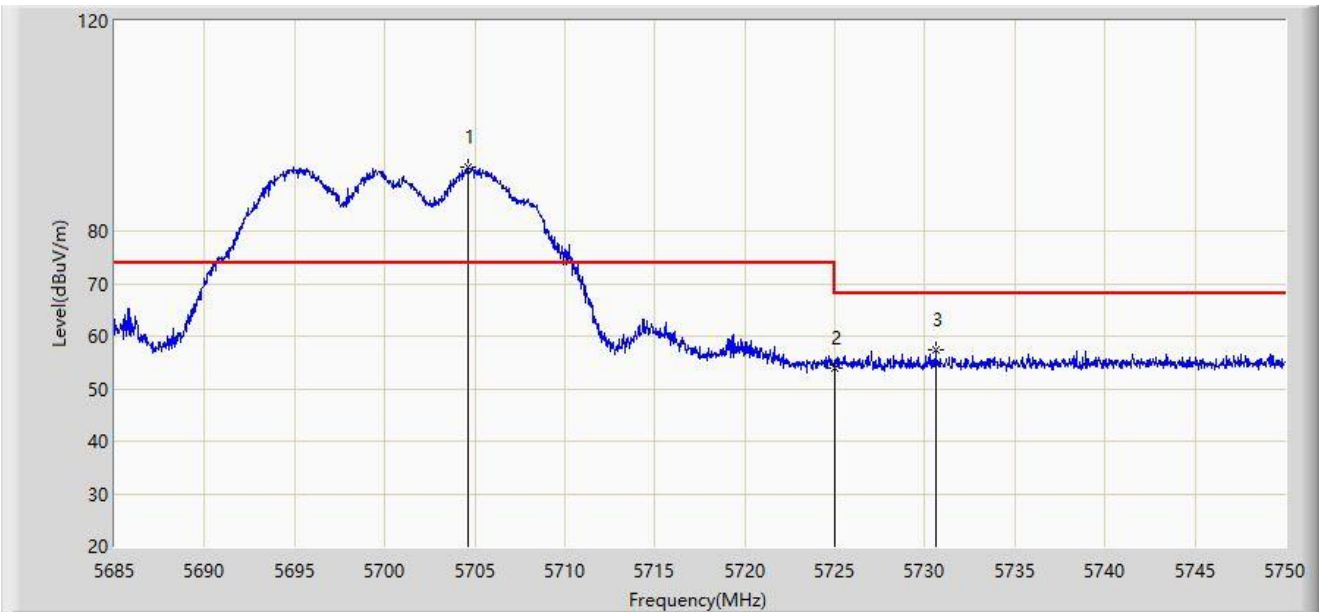
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5705.475	107.160	102.691	N/A	N/A	4.468	PK
2		5725.000	61.877	57.328	-6.323	68.200	4.549	PK
3	*	5726.275	65.724	61.167	-2.476	68.200	4.557	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_5G_RE(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	



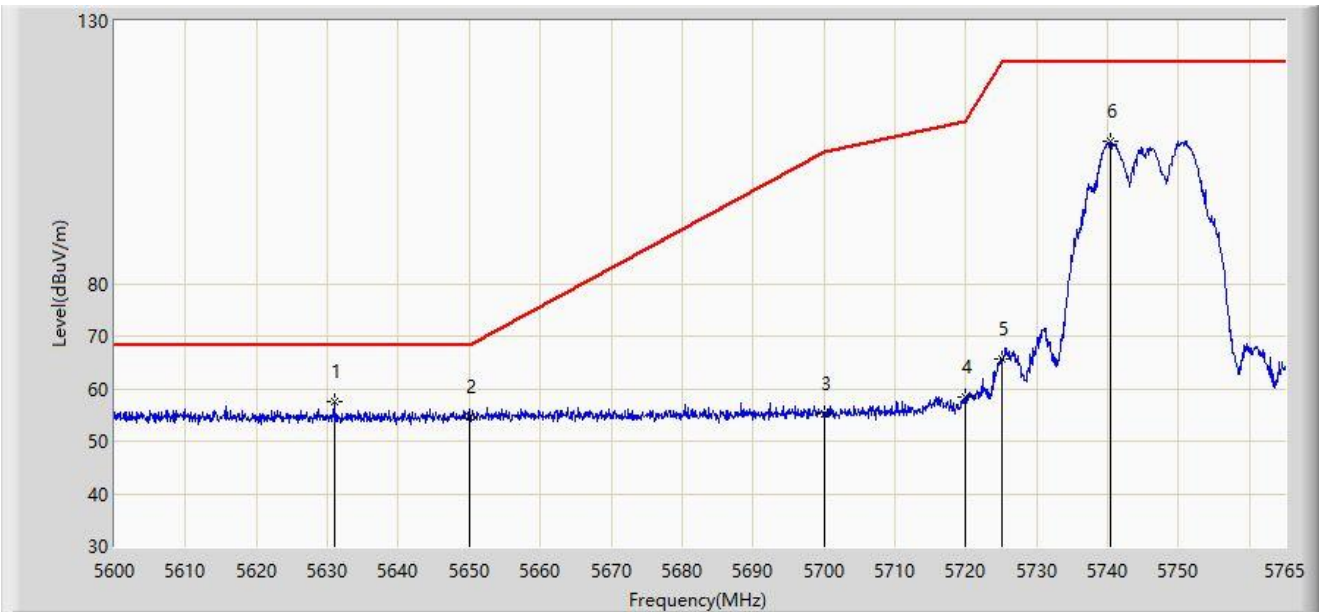
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5704.630	92.137	87.667	N/A	N/A	4.470	PK
2		5725.000	54.016	49.467	-14.184	68.200	4.549	PK
3	*	5730.598	57.268	52.649	-10.932	68.200	4.618	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



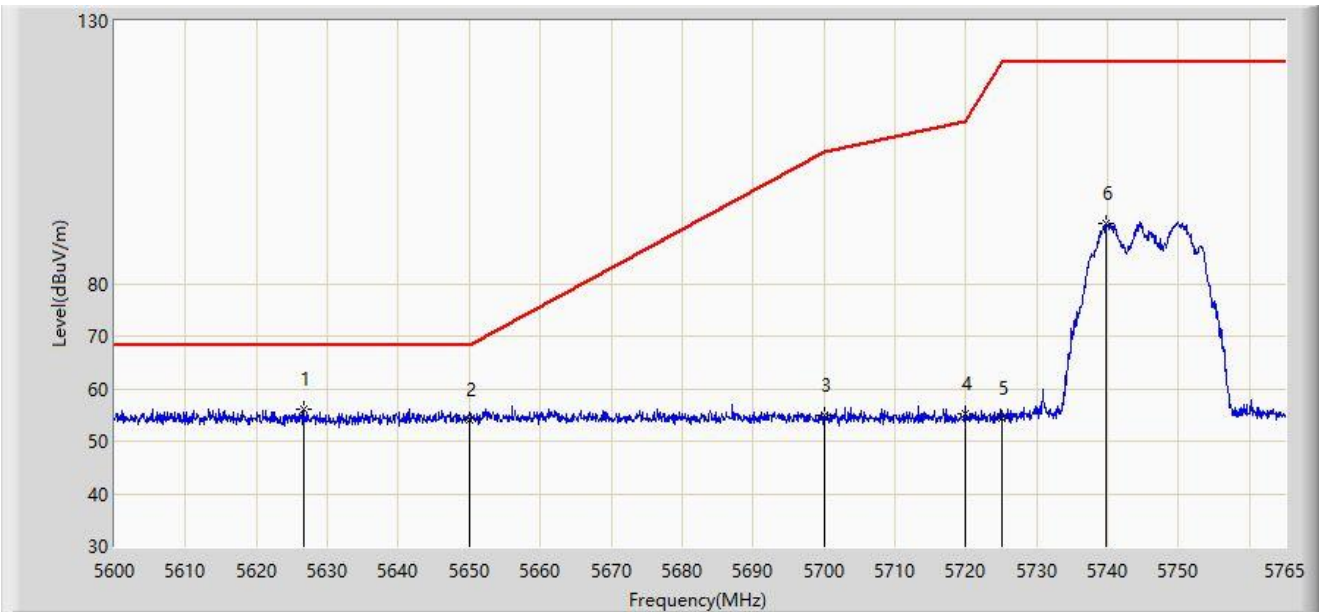
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5630.937	57.596	53.492	-10.604	68.200	4.104	PK
2		5650.000	54.615	50.232	-13.585	68.200	4.382	PK
3		5700.000	55.269	50.795	-49.931	105.200	4.474	PK
4		5720.000	58.290	53.767	-52.510	110.800	4.523	PK
5		5725.000	65.572	61.023	-56.628	122.200	4.549	PK
6		5740.415	107.183	102.424	N/A	N/A	4.760	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	



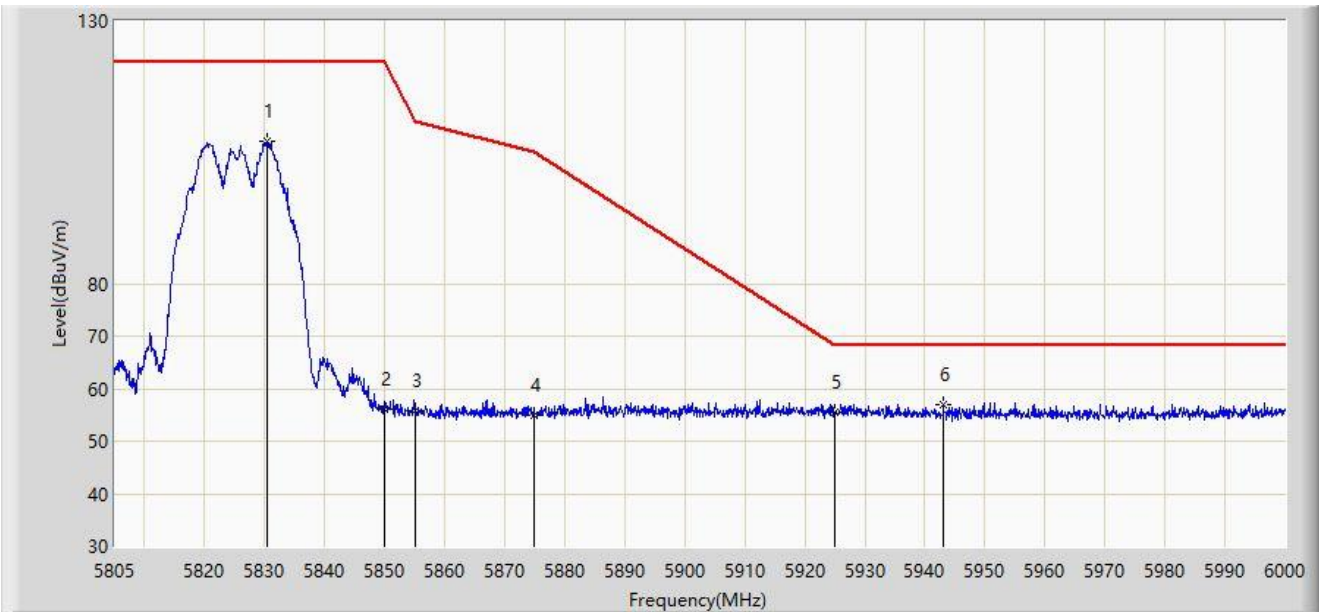
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5626.647	56.069	51.956	-12.131	68.200	4.113	PK
2		5650.000	54.030	49.647	-14.170	68.200	4.382	PK
3		5700.000	54.906	50.432	-50.294	105.200	4.474	PK
4		5720.000	55.168	50.645	-55.632	110.800	4.523	PK
5		5725.000	54.478	49.929	-67.722	122.200	4.549	PK
6		5739.672	91.481	86.732	N/A	N/A	4.748	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Site: WZ-AC1	Test Date: 2022-07-10
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Edith Yu
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: Barracuda NextGen Firewall	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		5830.350	107.076	101.932	N/A	N/A	5.144	PK
2		5850.000	56.060	50.899	-66.140	122.200	5.161	PK
3		5855.000	55.836	50.729	-54.964	110.800	5.107	PK
4		5875.000	55.032	50.027	-50.168	105.200	5.006	PK
5		5925.000	55.421	50.106	-12.779	68.200	5.315	PK
6	*	5943.060	57.023	51.826	-11.177	68.200	5.197	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).