













Spectrum)						Spectrum						□
Ref Level 21.20	dBm Offset 1	.20 dB	Mode Auto FFT				Ref Level 21.20	dBm Offset 1	.20 dB	Mode Auto FFT			
SGL Count 100/1	.00						SGL Count 100/1	.00					
1Rm AvgPwr							1Rm AvgPwr						
Limit Check		PASS					Limit Check		PASS				
10 dBm 200							10 dBm 200						
0.d8m							0.d8m						
10.10				1.			10.10.1			man hannen			
-10 dBm							-10 dBm						
-20 dBm-							-20 dBm						
-30 dBm	_						-30 dBm	_					
40 d0m							40 d0m		/				
		mark 1					-40 ubiii		-				
-50 dBm	man			min			-50.dBm					min	
-60 dBm						~~~~~~~	-60 dBm						
-70 dBm							-70 dBm						
y o dom							y o ubiii						
CF 6.985 GHz		1 1	1001 pts		Span (544.476 MHz	CF 6.985 GHz		I I I	1001 pts		Span (544.476 MHz
CF 6.985 GHz Spectrum Emissi	ion Mask		1001 pts Standard: Mask	1 1	Span (544.476 MHz	CF 6.985 GHz Spectrum Emissi	ion Mask		1001 pts Standard: Mask		Span (544.476 MHz
CF 6.985 GHz Spectrum Emissi Pe	ion Mask ak Power -1.40) dBm	1001 pts Standard: Mask	RBW	Span (2.000 MHz	544.476 MHz	CF 6.985 GHz Spectrum Emissi Pe	ion Mask ak Power -2.59) dBm	1001 pts Standard: Mask	RBW	Span (2.000 MHz	544.476 MHz
CF 6.985 GHz Spectrum Emissi Pe Range Low	ion Mask ak Power -1.40 Range Up) dBm RBW	1001 pts Standard: Mask Frequency	RBW Power Abs	Span (2.000 MHz Power Rel	544.476 MHz ΔLimit	CF 6.985 GHz Spectrum Emissi Pe Range Low	ion Mask ak Power -2.59 Range Up) dBm RBW	1001 pts Standard: Mask Frequency	RBW Power Abs	Span (2.000 MHz Power Rel	544.476 MHz ΔLimit
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz	ion Mask ak Power -1.40 Range Up -241.679 MHz	0 dBm <u>RBW</u> 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz	RBW Power Abs -50.95 dBm	Span (2.000 MHz Power Rel -49.55 dB	<u>ΔLimit</u> -9.55 dB	CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz	dBm RBW 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz	RBW Power Abs -51.15 dBm	Span (2.000 MHz Power Rel -49.56 dB	644.476 MHz
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz	ion Mask ak Power -1.40 Range Up -241.679 MHz -161.119 MHz 21 550 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.74364 GHz 6.0912 GHz	RBW Power Abs -50.95 dBm -51.77 dBm -25 40 dBm	Span (2.000 MHz Power Rel -49.55 dB -50.37 dB 24 00 dB	ALimit -9.55 dB -10.42 dB	CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz 21 50 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz 6.74687 GHz 6.0912 GHz	RBW Power Abs -51.15 dBm -51.35 dBm -22.56 dBm	Span (2.000 MHz Power Rel -48.76 dB -48.76 dB -00.7 dB	ALimit -8.56 dB -9.29 dB
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz	ion Mask ak Power -1.46 Range Up -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.74364 GHz 6.90312 GHz 6.90394 GHz	RBW Power Abs -50.95 dBm -51.77 dBm -35.49 dBm -24.18 dBm	Span (2.000 MHz Power Rel -49.55 dB -50.37 dB -34.09 dB -22.78 dB	ALimit -9.55 dB -10.42 dB -14.06 dB -2.78 dB	CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz	2 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz 6.74687 GHz 6.90312 GHz 6.90394 GHz	RBW Power Abs -51.15 dBm -51.35 dBm -32.56 dBm -25.09 dBm	Span (2.000 MHz Power Rel -48.56 dB -48.76 dB -29.97 dB -22.50 dB	ΔLimit -8.56 dB -9.29 dB -9.94 dB -2.50 dB
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz 80.559 MHz	ion Mask ak Power -1.46 Range Up -241.679 MHz -81.559 MHz -81.559 MHz 81.559 MHz 81.559 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.74364 GHz 6.90312 GHz 6.90394 GHz 7.06606 GHz	RBW Power Abs -50.95 dBm -51.77 dBm -35.49 dBm -24.18 dBm -26.43 dBm	Span (2.000 MHz Power Rel -49.55 dB -50.37 dB -34.09 dB -22.78 dB -22.78 dB -25.03 dB	ΔLimit -9.55 dB -10.42 dB -14.06 dB -2.78 dB -5.03 dB	CF 6.985 GHz Spectrum Emissi Pe -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz 80.559 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz 81.559 MHz	2 dBm	1001 pts Standard: Mask Frequency 6.68177 GHz 6.90312 GHz 6.90394 GHz 7.06606 GHz	RBW Power Abs -51.15 dBm -51.35 dBm -32.56 dBm -25.09 dBm -26.39 dBm	Span (2.000 MHz Power Rel -48.56 dB -48.76 dB -29.97 dB -22.50 dB -23.80 dB	ΔLimit -8.56 dB -9.29 dB -9.94 dB -2.50 dB -3.80 dB
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz 80.559 MHz 81.559 MHz	ion Mask ak Power -1.40 -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.74364 GHz 6.90394 GHz 7.06606 GHz 7.06688 GHz	RBW -50.95 dBm -51.77 dBm -35.49 dBm -24.18 dBm -26.43 dBm -34.23 dBm	2.000 MHz Power Rel -49.55 dB -50.37 dB -34.09 dB -22.78 dB -25.03 dB -22.83 dB	△Limit -9.55 dB -10.42 dB -14.06 dB -2.78 dB -5.03 dB -12.80 dB	CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -61.559 MHz 80.559 MHz 81.559 MHz	ion Mask ak Power -2.59 -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz 161.119 MHz 161.119 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GH2 6.74687 GH2 6.90394 GH2 7.06606 GH2 7.06608 GH2	RBW -51.15 dBm -51.35 dBm -32.56 dBm -25.09 dBm -26.39 dBm -39.14 dBm	Span (2.000 MHz -48.56 dB -48.76 dB -29.97 dB -22.50 dB -23.80 dB -36.55 dB	△Limit -8.56 dB -9.29 dB -9.94 dB -2.50 dB -3.80 dB -16.52 dB
CF 6.985 GHz Spectrum Emissi Pe -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz 80.559 MHz 81.559 MHz 161.119 MHz	ion Mask ak Power -1.40 Range Up -241.679 MHz -80.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.79312 GHz 6.90312 GHz 7.06606 GHz 7.06688 GHz 7.26507 GHz	RBW Power Abs -50.95 dBm -35.49 dBm -24.18 dBm -24.18 dBm -34.23 dBm -54.89 dBm	2.000 MHz Power Rel -49.55 dB -50.37 dB -34.09 dB -22.78 dB -22.78 dB -32.83 dB -32.83 dB -33.49 dB	ΔLimit -9.55 dB -10.42 dB -14.06 dB -2.78 dB -12.80 dB -12.80 dB -13.73 dB	CF 6.985 GHz Spectrum Emissi Pe -322.238 MHz -241.679 MHz -61.119 MHz -81.559 MHz -81.559 MHz -81.559 MHz -81.559 MHz -161.119 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz 6.74697 GHz 6.90394 GHz 7.06606 GHz 7.06688 GHz 7.22636 GHz	RBW -51.15 dBm -51.35 dBm -32.56 dBm -25.09 dBm -26.39 dBm -39.14 dBm -54.84 dBm	Span (2.000 MHz Power Rel -48.56 dB -49.76 dB -29.97 dB -22.50 dB -23.80 dB -36.55 dB -36.55 dB -52.25 dB	<u>∆Limit</u> -8.56 dB -9.29 dB -9.94 dB -2.50 dB -3.80 dB -16.52 dB -12.30 dB
CF 6.985 GHz Spectrum Emissis Pe Range Low -322.238 MHz -416.79 MHz -161.119 MHz -81.559 MHz 81.559 MHz 161.119 MHz -241.679 MHz	ion Mask rak Power -1.44 Range Up -241.679 MHz -161.119 MHz -80.559 MHz 81.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	D dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.90312 GHz 6.90324 GHz 7.06668 GHz 7.2687 GHz 7.26825 GHz	RBW Power Abs -50.95 dBm -51.77 dBm -24.18 dBm -26.43 dBm -34.23 dBm -54.89 dBm -54.55 dBm	2.000 MHz Power Rel -49.55 dB -50.37 dB -22.78 dB -22.78 dB -22.83 dB -53.49 dB -53.15 dB	ΔLimit -9.55 dB -10.42 dB -14.06 dB -2.70 dB -5.03 dB -12.80 dB -13.73 dB -13.15 dB	CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -615.119 MHz -81.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz -80.559 MHz 81.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	2 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz 6.74587 GHz 6.90394 GHz 7.06668 GHz 7.25256 GHz 7.25214 GHz	RBW -51.15 dBm -51.35 dBm -22.56 dBm -25.09 dBm -26.39 dBm -39.14 dBm -54.84 dBm -54.79 dBm	Span (2.000 MHz Power Rel -49.56 dB -49.76 dB -29.97 dB -22.50 dB -23.655 dB -52.25 dB -52.20 dB	ΔLimit -8.56 dB -9.29 dB -9.94 dB -3.80 dB -16.52 dB -12.20 dB -12.20 dB
CF 6.985 GHz Spectrum Emissis Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -80.559 MHz 80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 241.679 MHz	ion Mask ak Power -1.46 Range Up -241.679 MHz -81.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	D dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GH2 6.7934 GH2 6.90312 GH2 7.06606 GH2 7.06606 GH2 7.22507 GH2 7.26825 GH2	RBW Power Abs -50.95 dBm -35.49 dBm -24.18 dBm -24.18 dBm -34.23 dBm -54.89 dBm -54.55 dBm	Span 2.000 MHz Power Rel -49.55 dB -50.37 dB -34.09 dB -22.78 dB -25.03 dB -32.83 dB -53.15 dB	ΔLimit -9.55 dB -10.42 dB -2.78 dB -2.78 dB -12.80 dB -12.80 dB -13.73 dB -13.15 dB	CF 6.985 GHz Spectrum Emissis Pe Range Low -322.238 MHz -461.579 MHz -0.559 MHz 80.559 MHz 161.119 MHz 241.679 MHz 241.679 MHz	ion Mask ak Power -2.59 Range Up -241.679 MHz -161.119 MHz -81.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	0 dBm	1001 pts Standard: Mask Frequency 6.68177 GH2 6.7469 GH2 6.90312 GH2 7.06606 GH2 7.06606 GH2 7.22536 GH2 7.25214 GH2	RBW -51.15 dBm -51.35 dBm -32.56 dBm -25.09 dBm -26.09 dBm -39.14 dBm -54.84 dBm -54.79 dBm	Span (2.000 MHz Power Rel -49.56 dB -49.76 dB -22.50 dB -23.655 dB -36.55 dB -52.25 dB -52.20 dB	ALimit -8.56 dB -9.29 dB -2.50 dB -3.80 dB -16.52 dB -12.30 dB -12.20 dB
CF 6.985 GHz Spectrum Emissi Pe Range Low -322.238 MHz -241.679 MHz -161.119 MHz -81.559 MHz 80.559 MHz 161.119 MHz 241.679 MHz 241.679 MHz	ion Mask rak Power -1.4C Range Up -241.679 MHz -81.559 MHz -80.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GHz 6.90312 GHz 7.06606 GHz 7.06606 GHz 7.22507 GHz 7.26825 GHz	RBW •50.95 dBm •51.77 dBm •55.49 dBm •26.43 dBm •26.43 dBm •26.43 dBm •54.23 dBm •54.55 dBm	Span 2.000 MHz 40,55 dB -40,55 dB -50,37 dB -34.09 dB -22,03 dB -22,03 dB -53,45 dB -53,15 dB	ALimit -9,55 dB -10,42 dB -14,66 dB -2,78 dB -12,80 dB -13,73 dB -13,73 dB -13,15 dB	CF 6.985 GHz Spectrum Emissis Pe Range Low -322.238 MHz -341.679 MHz -01.559 MHz -01.559 MHz -01.559 MHz -01.559 MHz -01.559 MHz -01.079 M	ion Mask ak Power -2.55 Range Up -241.679 MHz -161.119 MHz -80.559 MHz 81.559 MHz 81.559 MHz 161.119 MHz 241.679 MHz 322.238 MHz	2 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.68177 GHz 6.90312 GHz 7.06606 GHz 7.06606 GHz 7.22536 GHz 7.25214 GHz	RBW -51.15 dBm -51.35 dBm -32.56 dBm -25.99 dBm -26.39 dBm -54.44 dBm -54.479 dBm	Span (2.000 MHz -48.56 dB -48.76 dB -29.97 dB -22.50 dB -23.80 dB -36.55 dB -52.25 dB -52.20 dB	ALimit
CF 6.985 GHz Spectrum Emissi Period Control Co	ion Mask ak Power - 1.4t Range Up -241.679 MHz -261.119 MHz -40.559 MHz -81.559 MHz -81.559 MHz -81.559 MHz -22.238 MHz -22.238 MHz -22.238 MHz -201.15	0 dBm RBW 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz 2.000 MHz	1001 pts Standard: Mask Frequency 6.67920 GH2 6.74304 GH2 7.06606 GH2 7.06606 GH2 7.0686 GH2 7.2557 GH2 7.26825 GH2	RBW Power Abs -50,95 dBm -51,97 dBm -35,49 dBm -24,18 dBm -24,43 dBm -54,43 dBm -54,85 dBm -54,55 dBm	Span (2.000 MHz Power Rel 49.55 dB -30.97 dB -34.09 dB -22.78 dB -22.78 dB -22.78 dB -23.03 dB -25.03 dB -33.15 dB	ALimit 9,55 dB -10,42 dB -2,78 dB -14,06 dB -2,78 dB -12,280 dB -13,73 dB -13,73 dB -13,15 dB	CF 6.985 cHz Spectrum Emissi Pe Range Low 	1 1 1 1 1 1 1 1 1 1 1 1 1 1	dBm RBW 2.000 MHz 2.000 MHz	1001 pts 8tandard: Mask Frequency 6.68177 GH2 6.74687 GH2 6.90312 GH2 7.06606 GH2 7.06606 GH2 7.22536 GH2 7.22536 GH2 7.25214 GH2	RBW Power Abs -51.15 d8m -32.56 d8m -25.99 d8m -26.39 d8m -39.14 d8m -54.84 d8m -54.79 d8m	Span (2.000 MHz Power Rei 48,56 dB 49,76 dB -29,97 dB -23,80 dB -36,55 dB -52,25 dB -52,25 dB -52,25 dB -52,25 dB -52,20 dB	ALIMIT ALIMIT -8,55 dB -9,29 dB -9,29 dB -2,50 dB -3,80 dB -3,80 dB -16,52 dB -12,20 dB



9. Contention Based Protocol

9.1. Test Setup



9.2. Limits

Unlicensed indoor low-power devices must detect co-channe radio frequency power that is at least -62 dBm (The threshold is referenced to a 0dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channek energy with 90% or greater certainty.

9.3. Test Procedure

- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- 2. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).

Test Items	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$\mathrm{BW}_{\mathrm{Inc}} \! < \! \mathrm{BW}_{\mathrm{EUT}} \; \leq \; 2 \mathrm{x} \mathrm{BW}_{\mathrm{Inc}}$	Once	Contained within BWEUT
$2xBW_{Inc} < BW_{EUT} \leq 4xBW_{Inc}$	Twice. (Incumbent transmission is contained within BWEUT)	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4xBW_{Inc}$	Three times	Closely to the lower edge ,in the middle and upper edge of the EUT Channel

3. Determine number of times detection threshold test as following table

- 4. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- 5. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
- 6. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- 7. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- 8. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- 9. Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

9.4. Test Result of Contention Based Protocol

Product	:	RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
Test Item	:	Contention Based Protocol
Test Date	:	2022/05/24

For U-NII-5 band

Contention Based Protocol Measurement												
Measurer	nent Mode	Conducted measurement			Device	Device Type		Indoor AP				
The Incumbent Signal (AWGN) Level (dBm)			-62 dBm (at the antenna connector)									
							Test Re	sult				
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/ Fail		
		20MHz	33	6115	6115	10	10	100%	90%	Pass		
	002 11	160MHz	47	6185	6110	10	10	100%	90%	Pass		
U-NII 5	802.11ax				6185	10	10	100%	90%	Pass		
					6260	10	10	100%	90%	Pass		

Lowest Interference (AWGN) Level Check											
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Threshold Level (dBm)	EUT Status				
						-71	OFF				
		20MHz	33	6115	6115	-73	Minimal				
						-80	ON				
		11				-70	OFF				
				6185	6110	-72	Minimal				
LI NIL 5	902 11 av					-78	ON				
U-INII 3	602.11ax					-74	OFF				
		160MHz	47		6185	-75	Minimal				
						-81	ON				
						-72	OFF				
					6260	-73	Minimal				
						-80	ON				

Note:

1. Injected (AWGN) POWER at the antenna connector (dBm) = S.G. (dBm) - Cable loss (dB) - Splitter loss (dB) - lowest antenna gain (dB)

- 2. Only one chain was performed for testing.
- 3. The AWGN level is reported for the following conditions:
 - OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
 Minimal = AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.







Note: Injected Interference signal at 2 sec.







- Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
- Test Item : Contention Based Protocol
- Test Date : 2022/05/24

For U-NII-6 band

Contention Based Protocol Measurement												
Measurer	nent Mode	Conducted measurement			Device Type			Indoor AP				
The Incumbent Signal (AWGN) Level (dBm)			-62 dBm (at the antenna connector)									
							Test Resul	lt				
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/ Fail		
		20MHz	97	6435	6435	10	10	100%	90%	Pass		
	002 11	160MHz	111	6505	6430	10	10	100%	90%	Pass		
U-NII 6	802.11ax				6505	10	10	100%	90%	Pass		
					6580	10	10	100%	90%	Pass		

Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Threshold Level (dBm)	EUT Status			
						-73	OFF			
		20MHz	97	6435	6435	-74	Minimal			
						-81	ON			
						-70	OFF			
					6430	-71	Minimal			
	902 11 or			6505		-79	ON			
U-INII O	802.11ax					-66	OFF			
		160MHz	111		6505	-67	Minimal			
						-74	ON			
						-70	OFF			
					6580	-71	Minimal			
						-79	ON			

Note:

1. Injected (AWGN) POWER at the antenna connector (dBm) = S.G. (dBm) - Cable loss (dB) - Splitter loss (dB) - lowest antenna gain (dB)

- 2. Only one chain was performed for testing.
- 3. The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.

- Minimal = AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.















- Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
- Test Item : Contention Based Protocol
- Test Date : 2022/05/24

For U-NII-7 band

Contention Based Protocol Measurement												
Measurer	nent Mode	Conducted measurement			Device Type			Indoor AP				
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm (at the antenna conne					ector)					
							Test Resul	t				
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/ Fail		
		20MHz	117	6535	6535	10	10	100%	90%	Pass		
LI NIL 7	002 11	160MHz	143	6665	6590	10	10	100%	90%	Pass		
U-INII /	802.11ax				6665	10	10	100%	90%	Pass		
					6740	10	10	100%	90%	Pass		

	Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Threshold Level (dBm)	EUT Status				
						-73	OFF				
		20MHz	117	6535	6535	-75	Minimal				
						-82	ON				
		11				-71	OFF				
					6590	-72	Minimal				
LI NIL 7	902 11 av					-79	ON				
U-INII /	602.11ax					-67	OFF				
		160MHz	143	6665	6665	-68	Minimal				
						-75	ON				
						-69	OFF				
					6740	-70	Minimal				
						-77	ON				

Note:

1. Injected (AWGN) POWER at the antenna connector (dBm) = S.G. (dBm) - Cable loss (dB) - Splitter loss (dB) - lowest antenna gain (dB)

2. Only one chain was performed for testing.

3. The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.

- Minimal = AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.















- Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
- Test Item : Contention Based Protocol
- Test Date : 2022/05/25

For U-NII-8 band

	Contention Based Protocol Measurement													
Measurer	nent Mode	Conducted measurement			Devic	Device Type			Indoor AP					
The Incumbent Signal (AWGN) Level (dBm)		-62 dBm (at the antenna connector)												
							Test Result							
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/ Fail				
		20MHz	189	6895	6895	10	10	100%	90%	Pass				
	000 11	160MHz	207	6985	6910	10	10	100%	90%	Pass				
U-NII 8	802.11ax				6985	10	10	100%	90%	Pass				
					7060	10	10	100%	90%	Pass				

	Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signals Frequency (MHz)	Threshold Level (dBm)	EUT Status				
						-74	OFF				
		20MHz	189	6895	6895	-75	Minimal				
						-82	ON				
						-69	OFF				
					6910	-70	Minimal				
	802 11 _{ev}			6985		-77	ON				
U-INII 8	802.11ax					-68	OFF				
		160MHz	207		6985	-69	Minimal				
						-76	ON				
						-70	OFF				
					7060	-71	Minimal				
						-78	ON				

Note:

1. Injected (AWGN) POWER at the antenna connector (dBm) = S.G. (dBm) - Cable loss (dB) - Splitter loss (dB) - lowest antenna gain (dB)

2. Only one chain was performed for testing.

3. The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.

- Minimal = AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.



