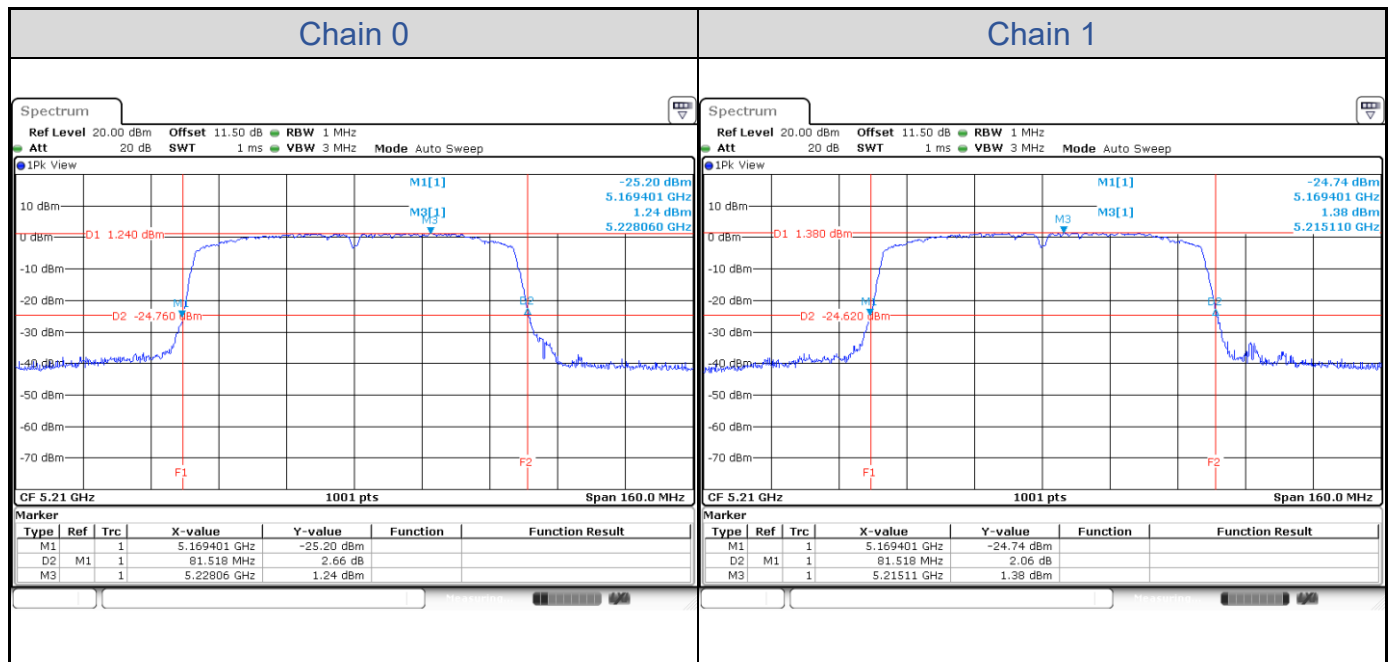


802.11ac VHT80

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	42	5210	81.52	81.52

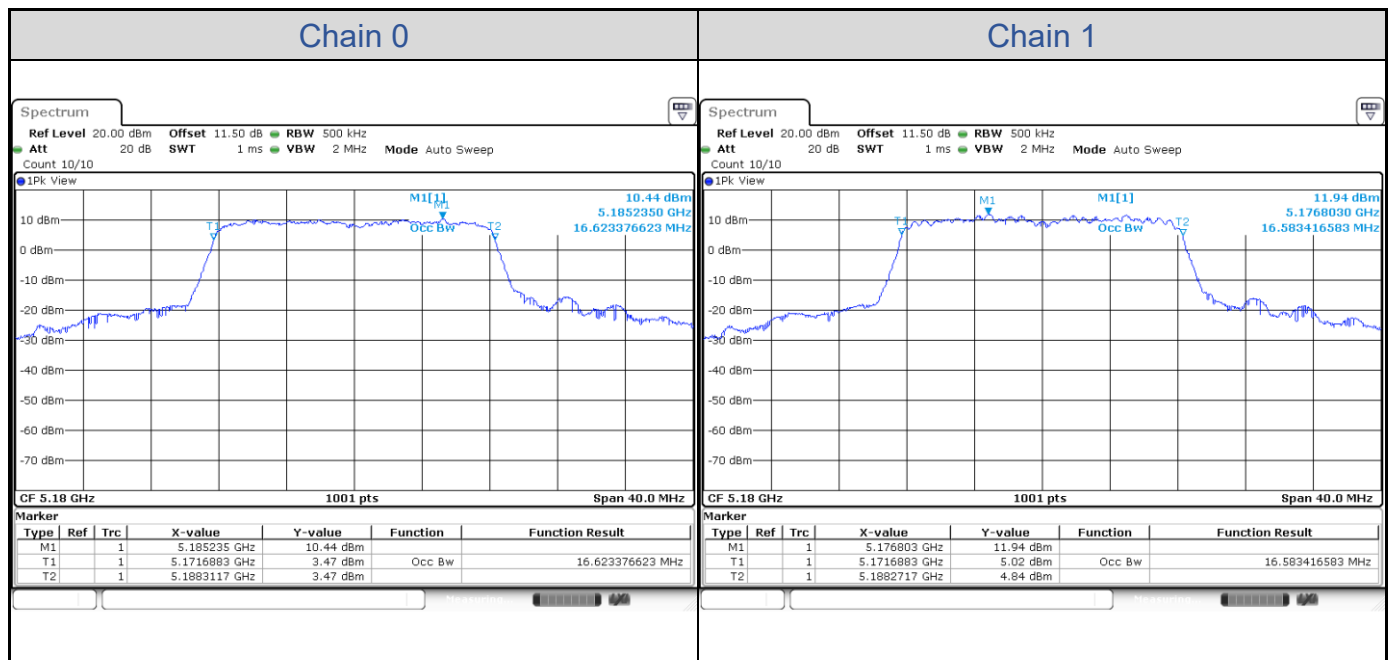
802.11ac VHT80-Channel 42


Test Result of 99% Occupied Bandwidth

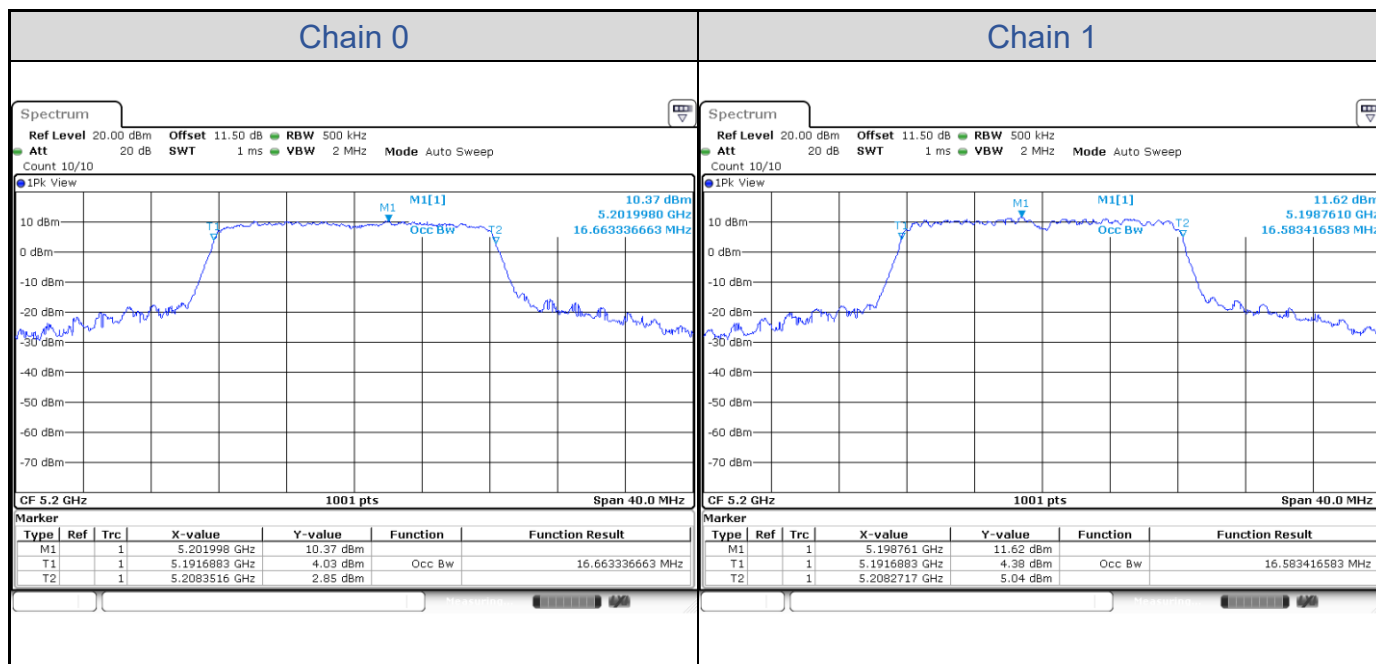
802.11a

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	16.62	16.58
	40	5200	16.66	16.58
	48	5240	16.82	16.66
U-NII-3	149	5745	16.70	16.50
	157	5785	16.62	16.58
	165	5825	16.66	16.54

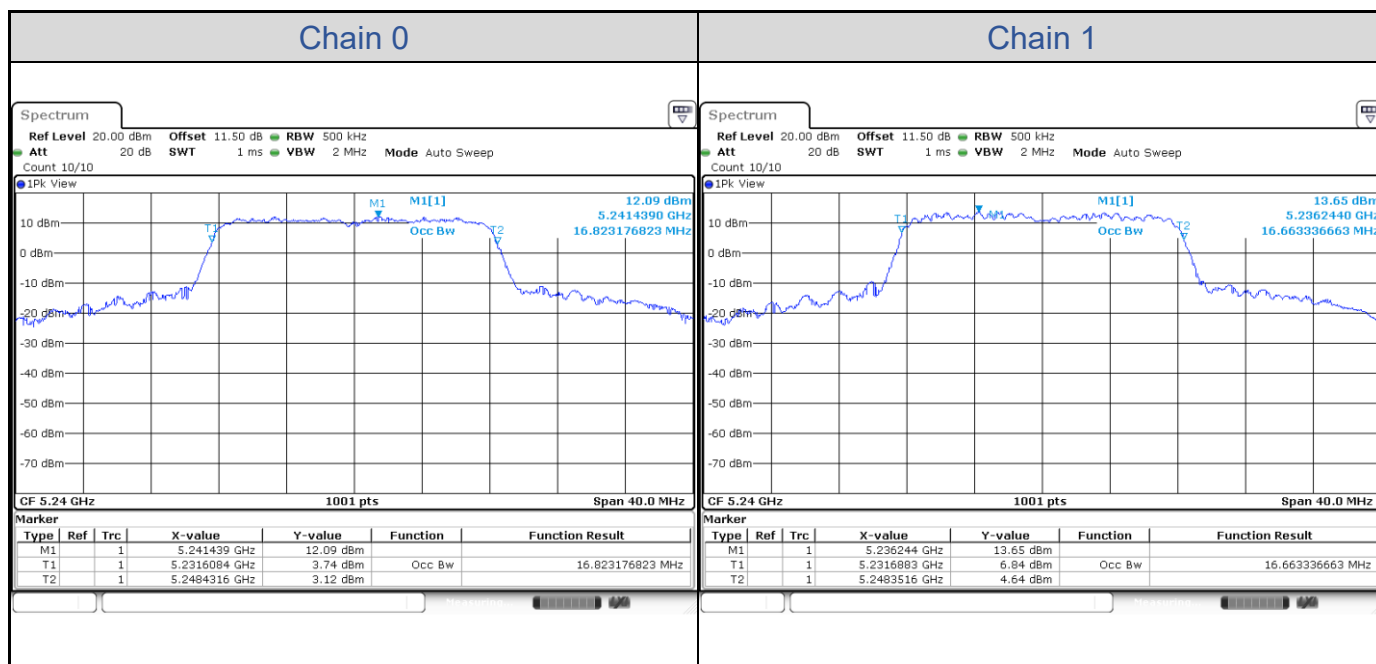
802.11a-Channel 36

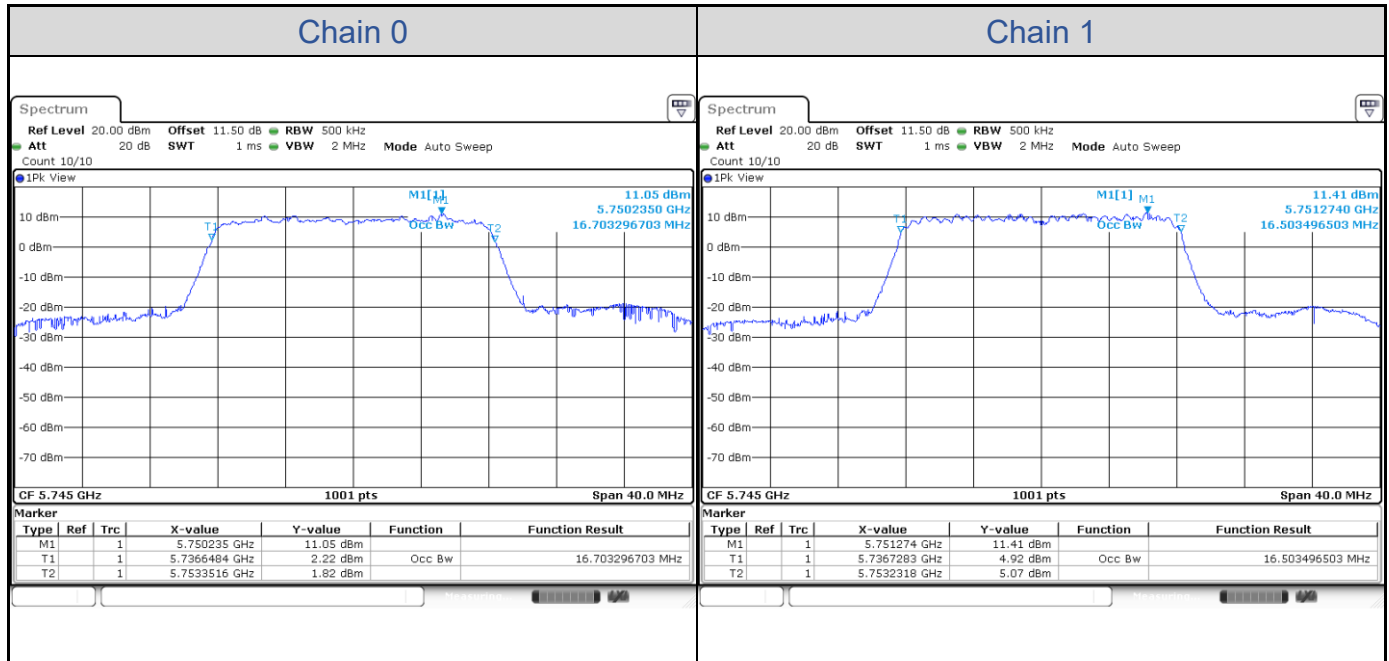
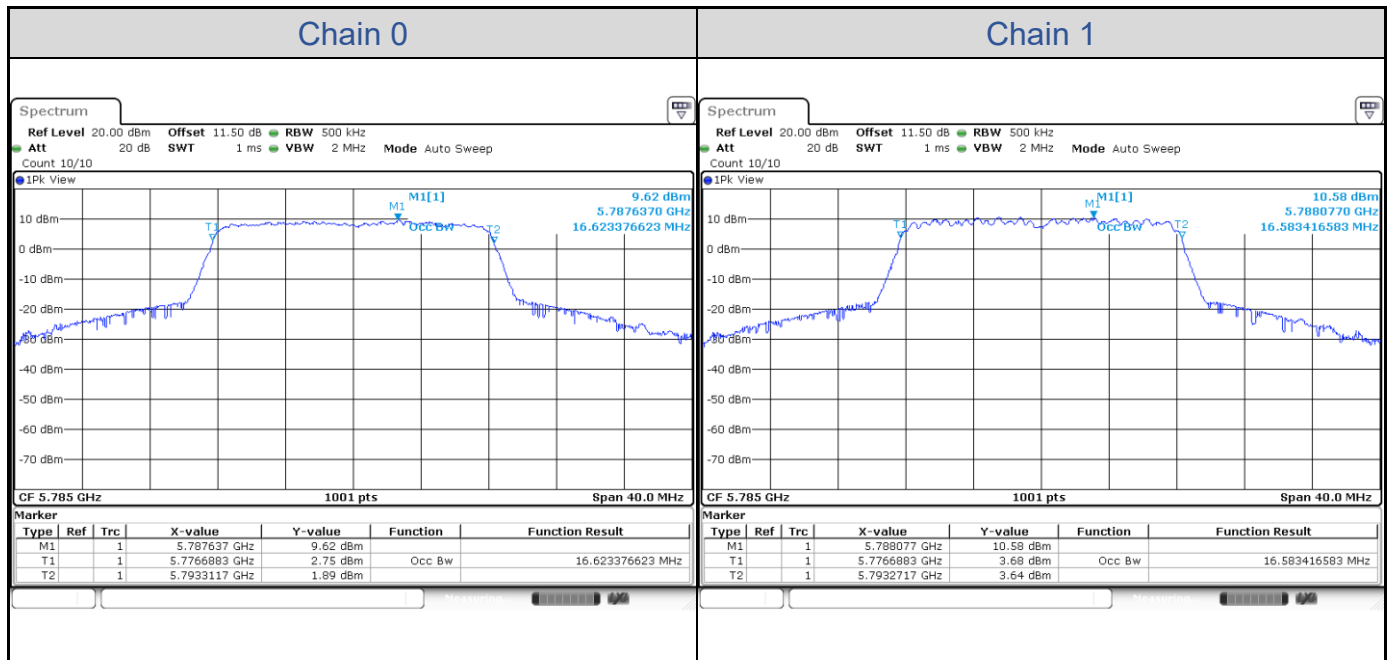


802.11a-Channel 40

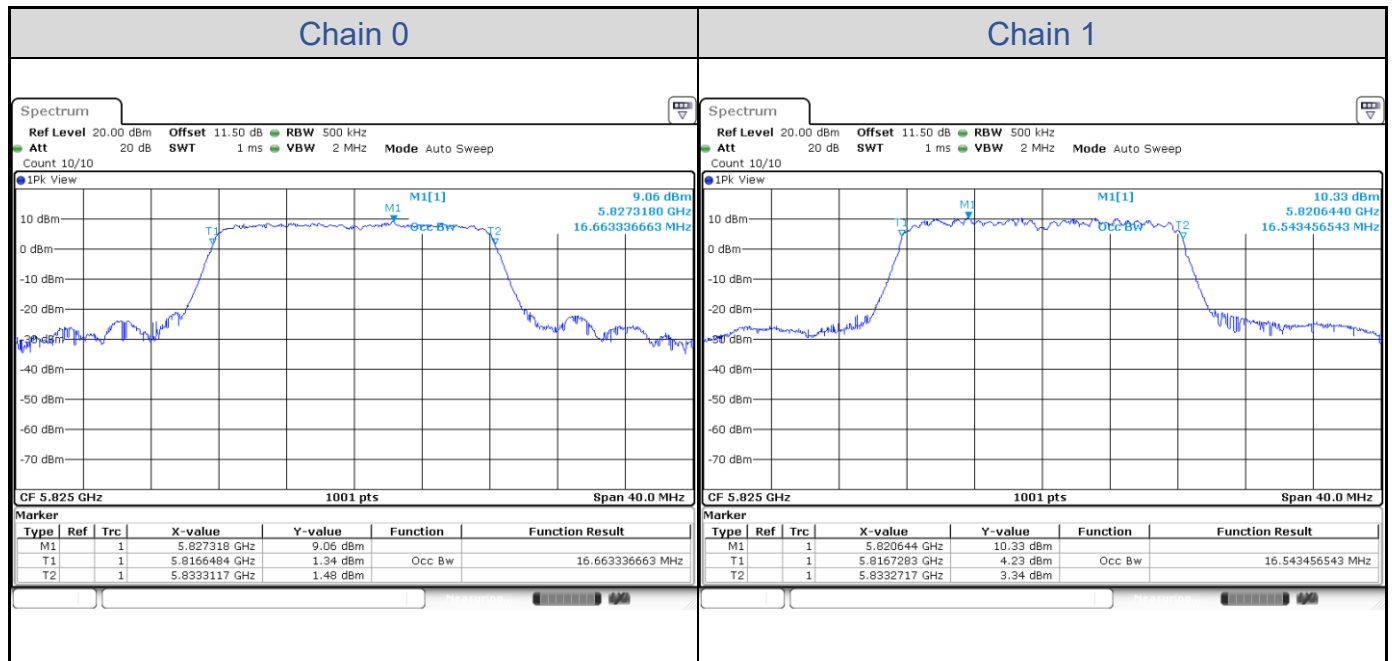


802.11a-Channel 48



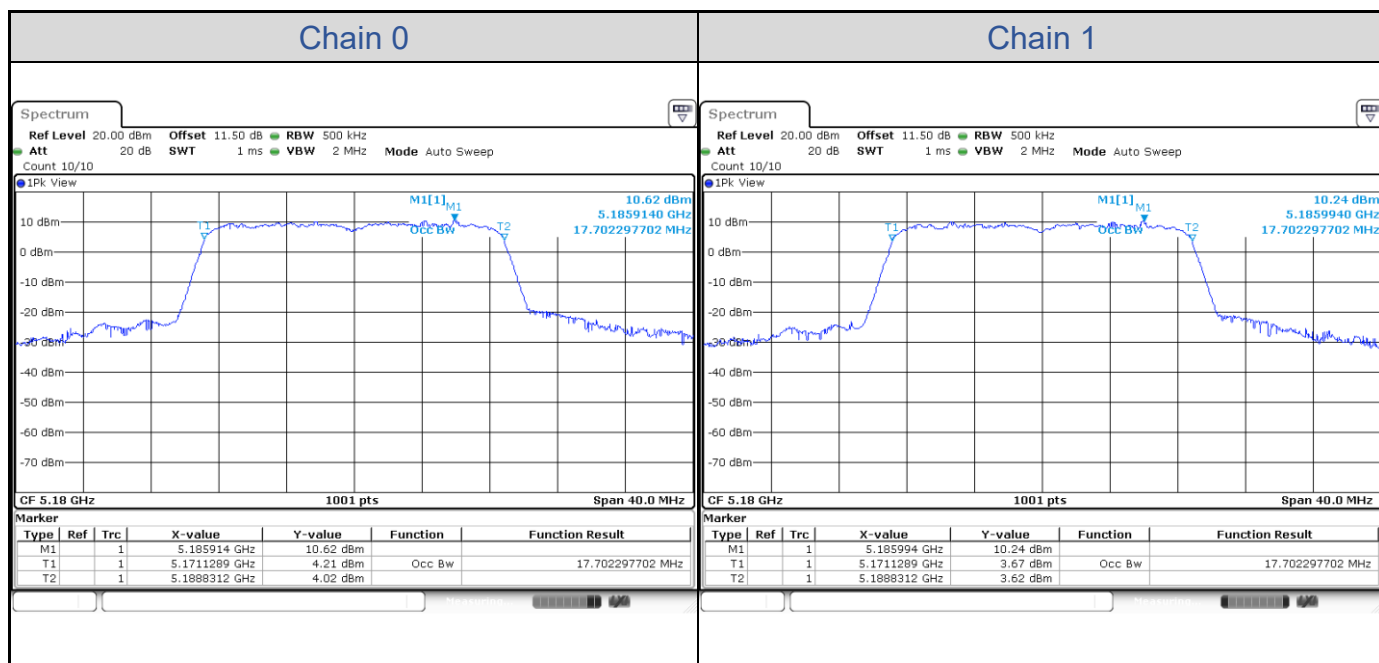
802.11a-Channel 149

802.11a-Channel 157


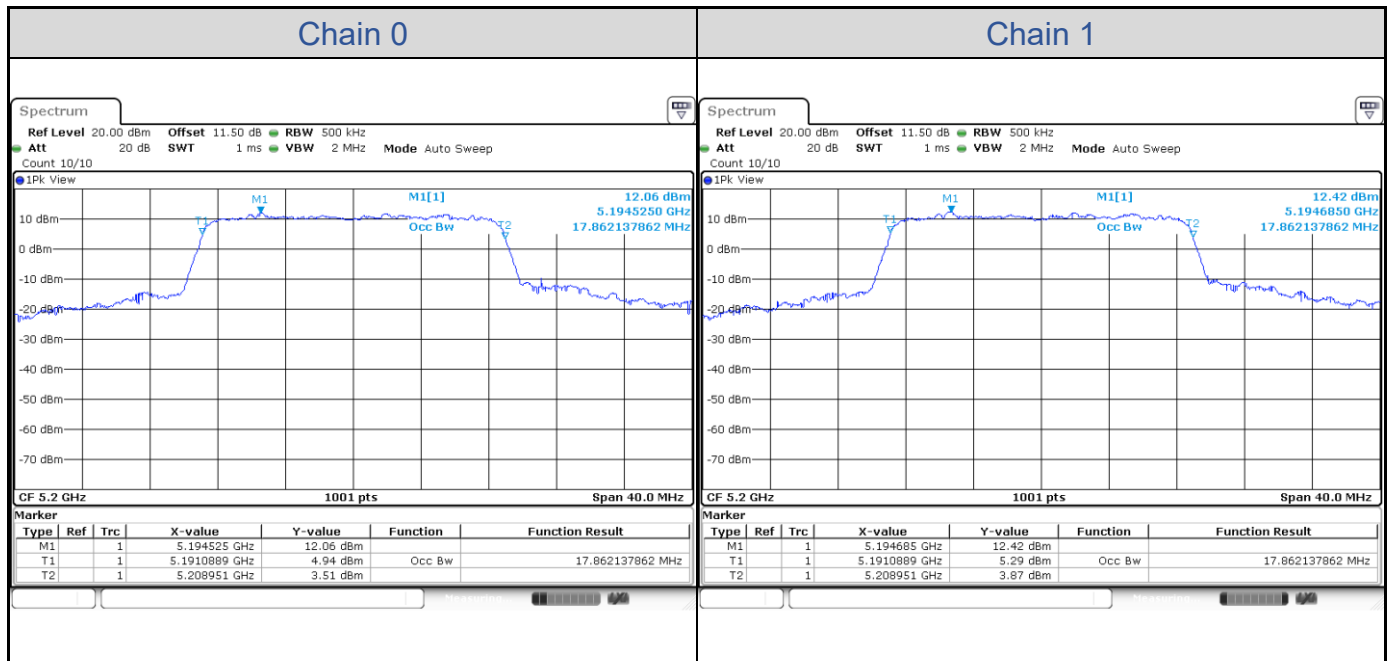
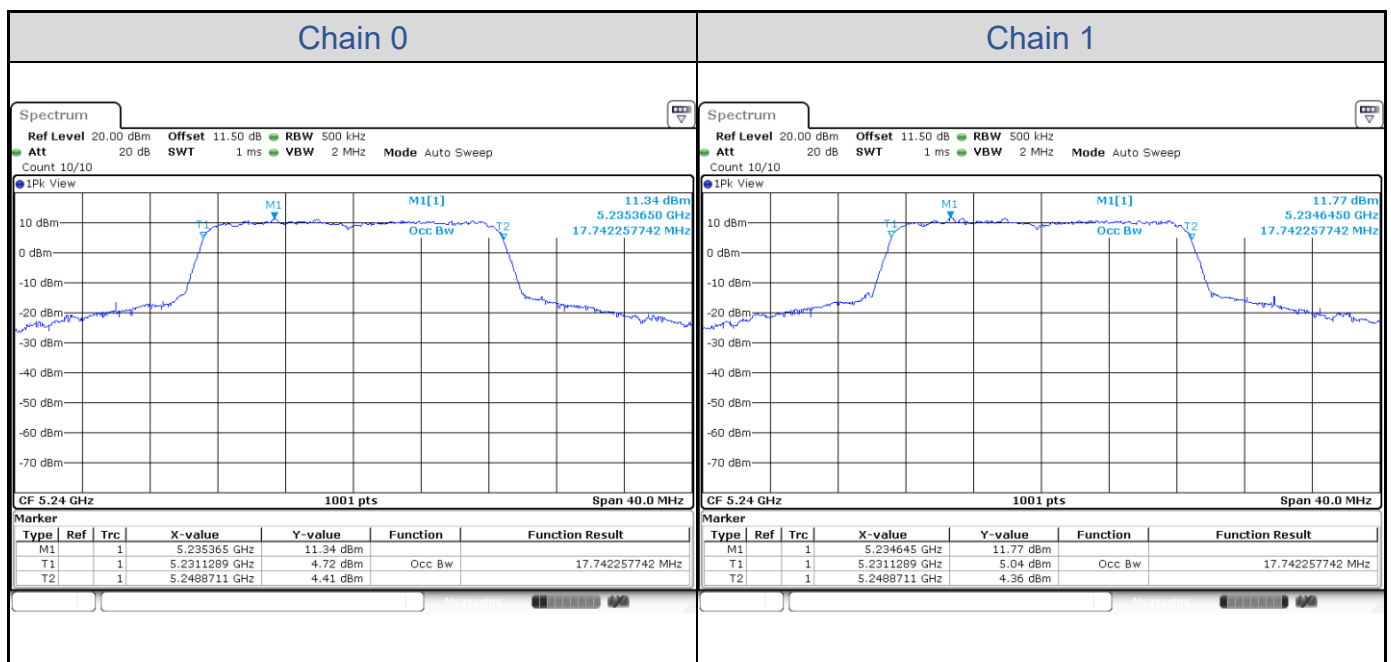
802.11a-Channel 165

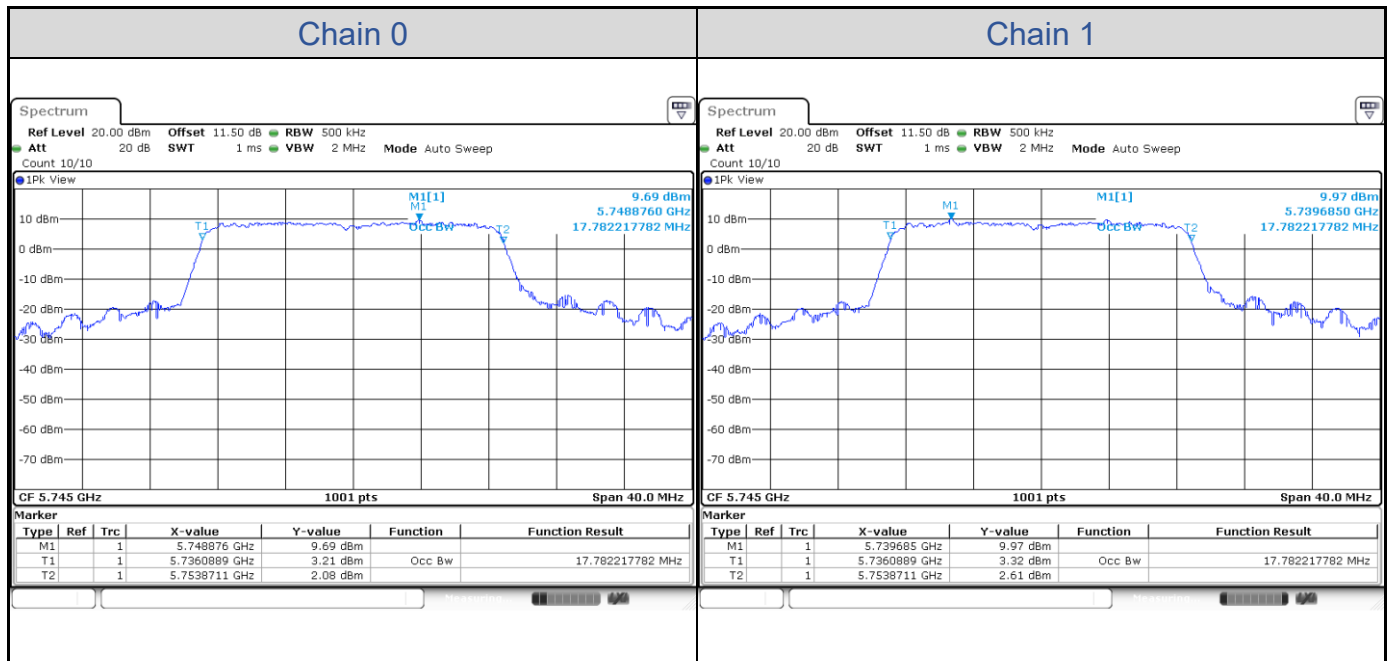
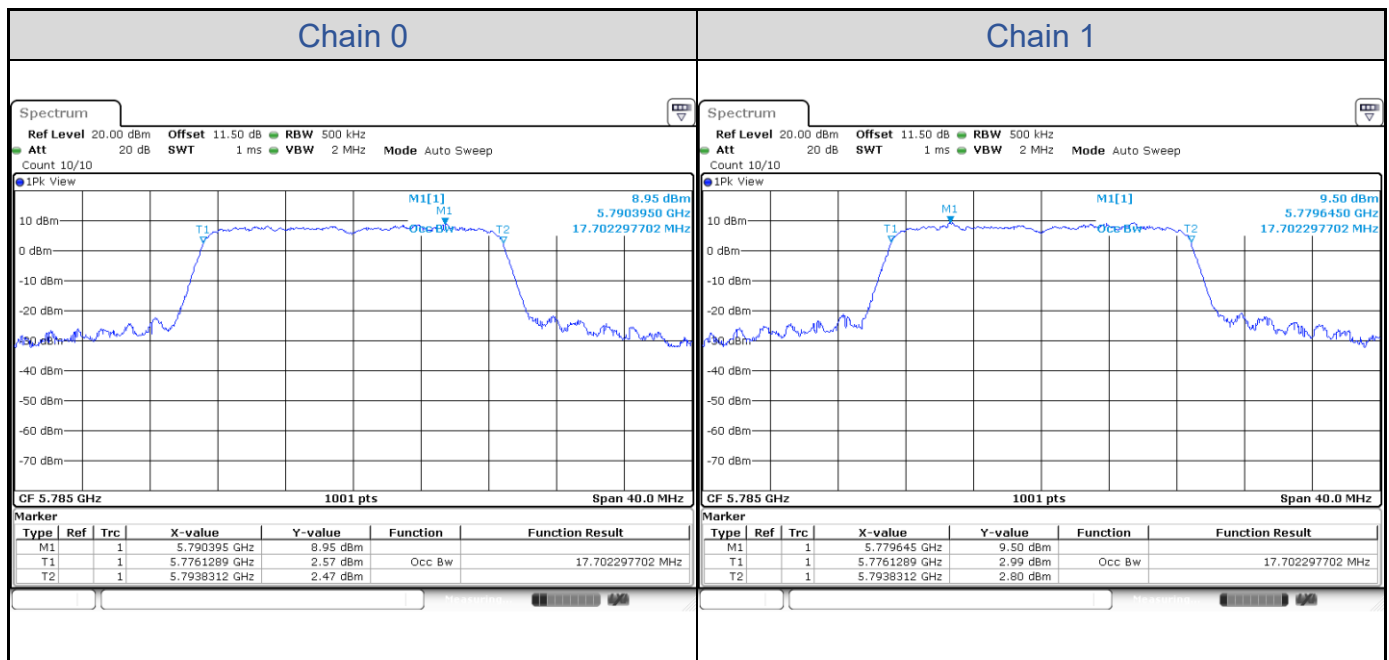


802.11ac VHT20

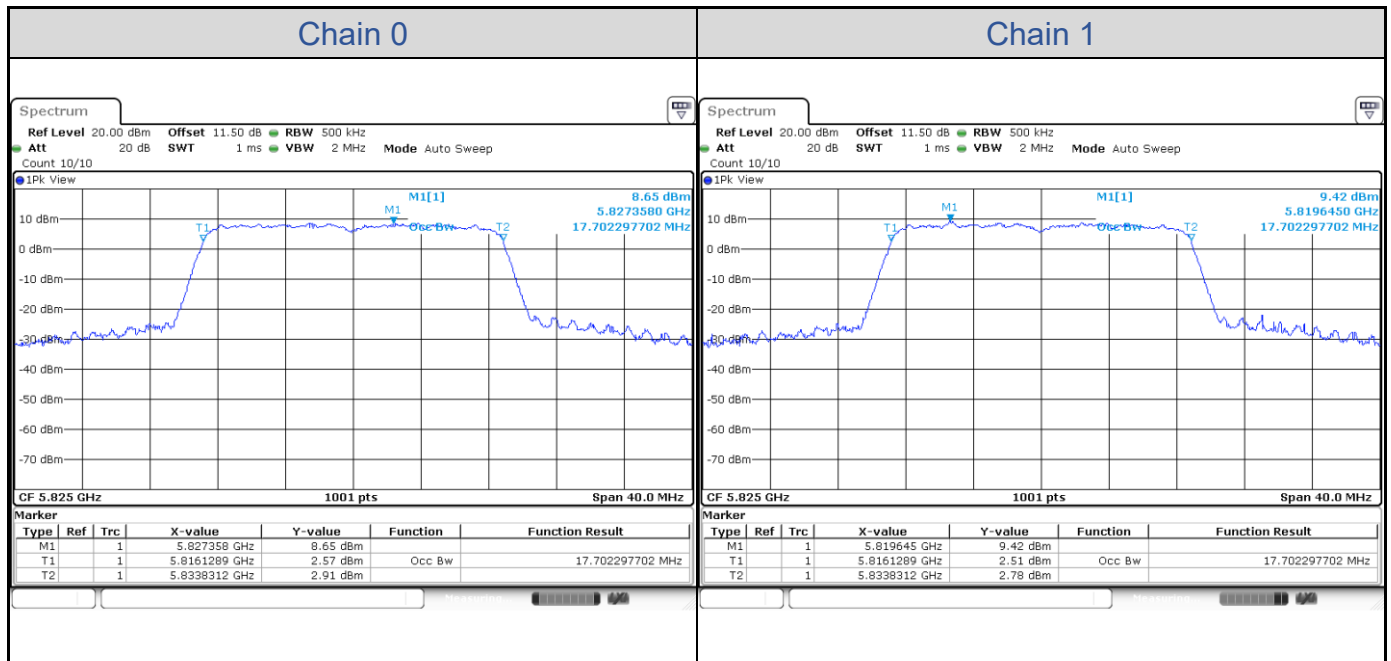
Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	17.70	17.70
	40	5200	17.86	17.86
	48	5240	17.74	17.74
U-NII-3	149	5745	17.78	17.78
	157	5785	17.70	17.70
	165	5825	17.70	17.70

802.11ac VHT20-Channel 36


802.11ac VHT20-Channel 40

802.11ac VHT20-Channel 48


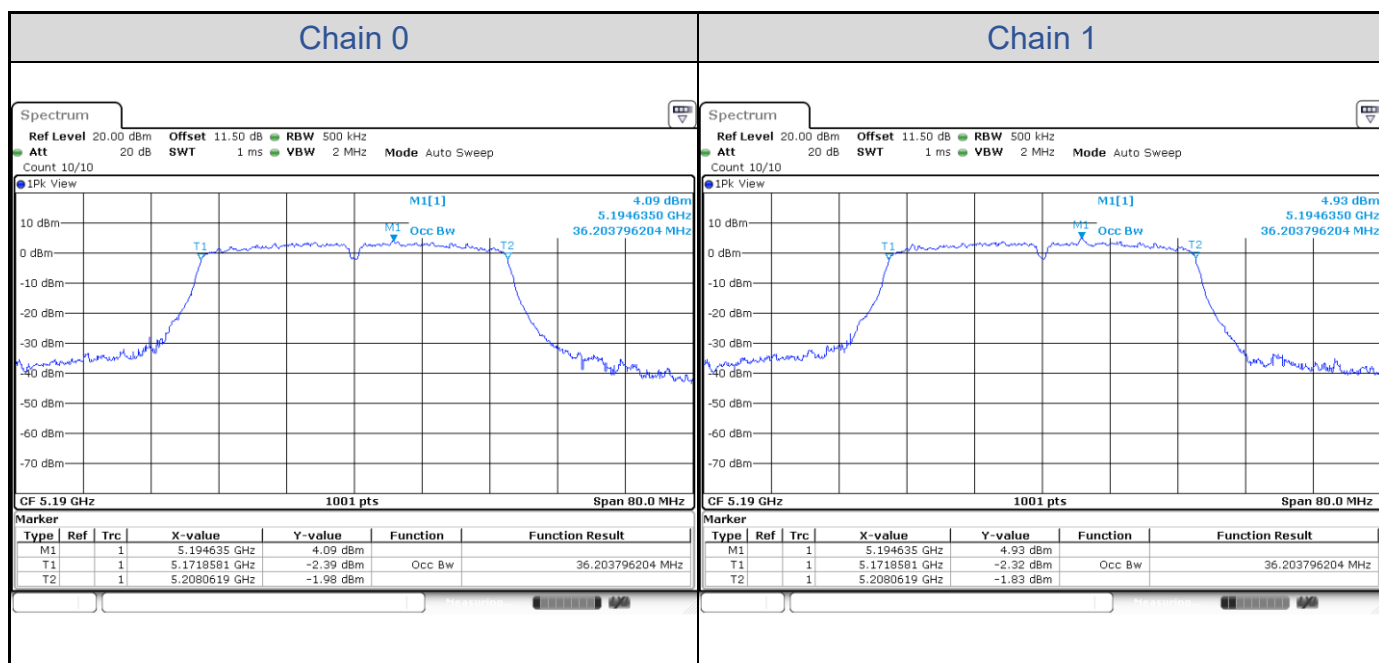
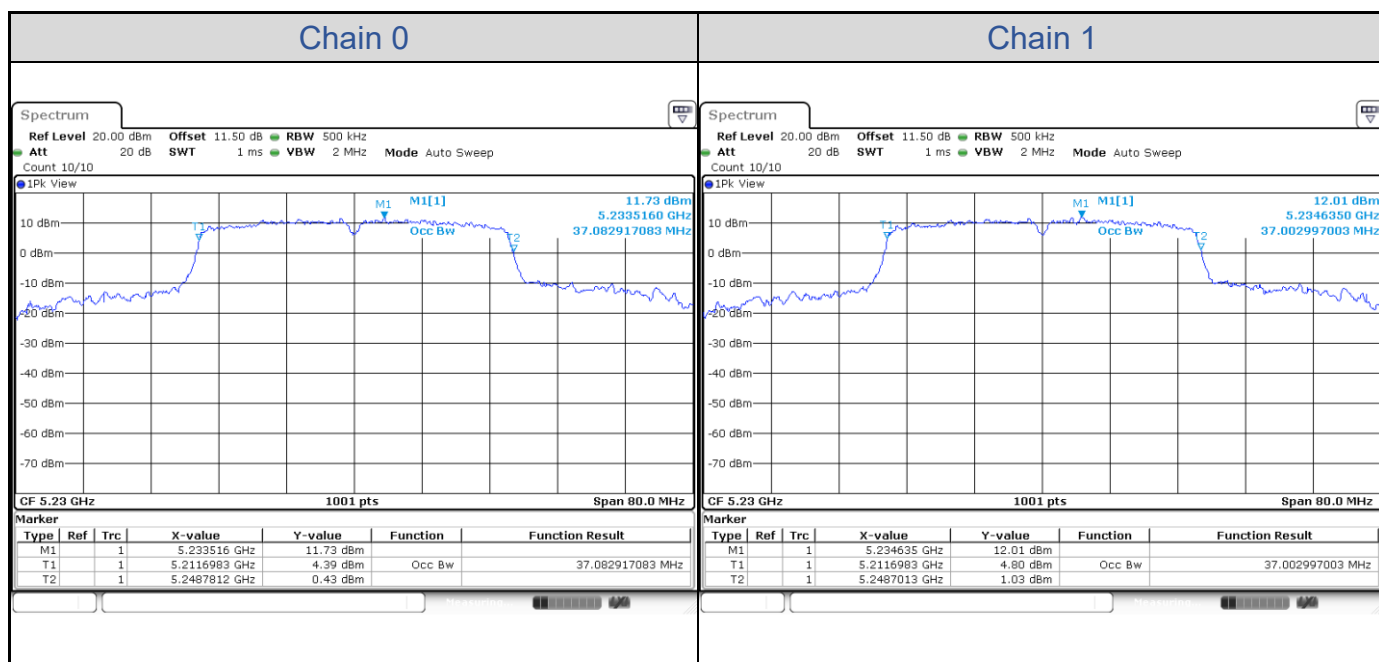
802.11ac VHT20-Channel 149

802.11ac VHT20-Channel 157


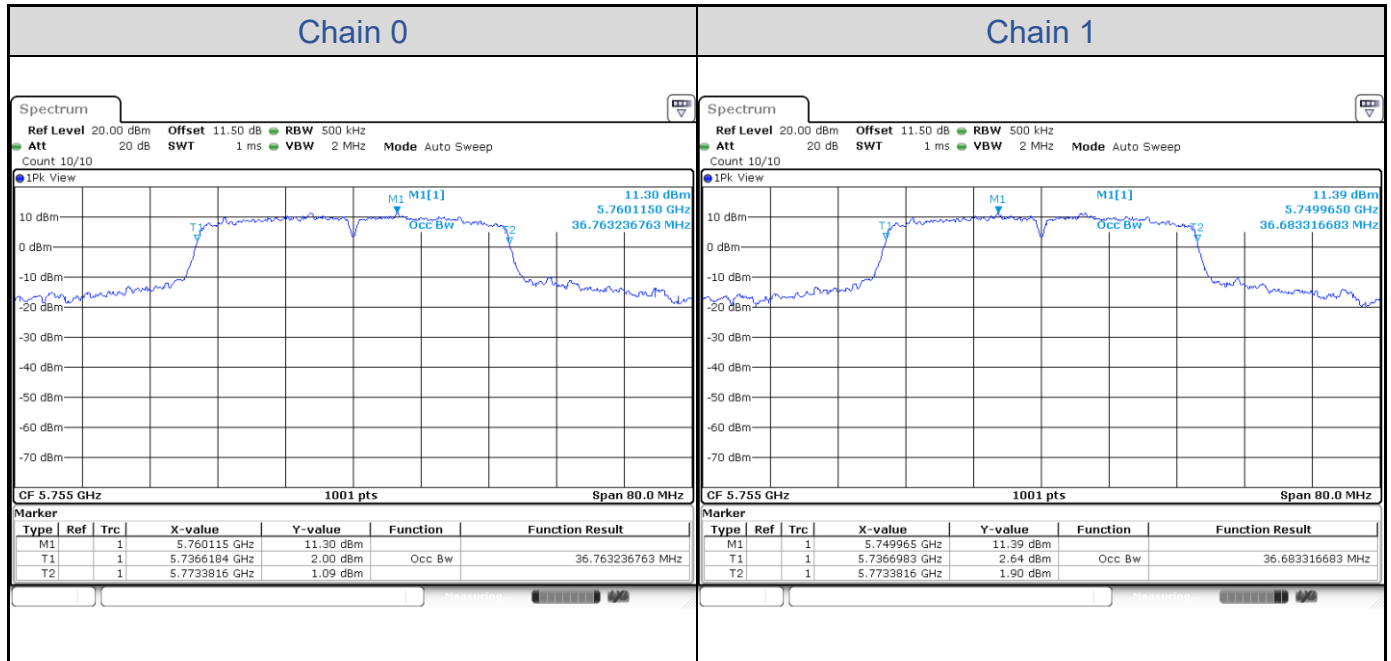
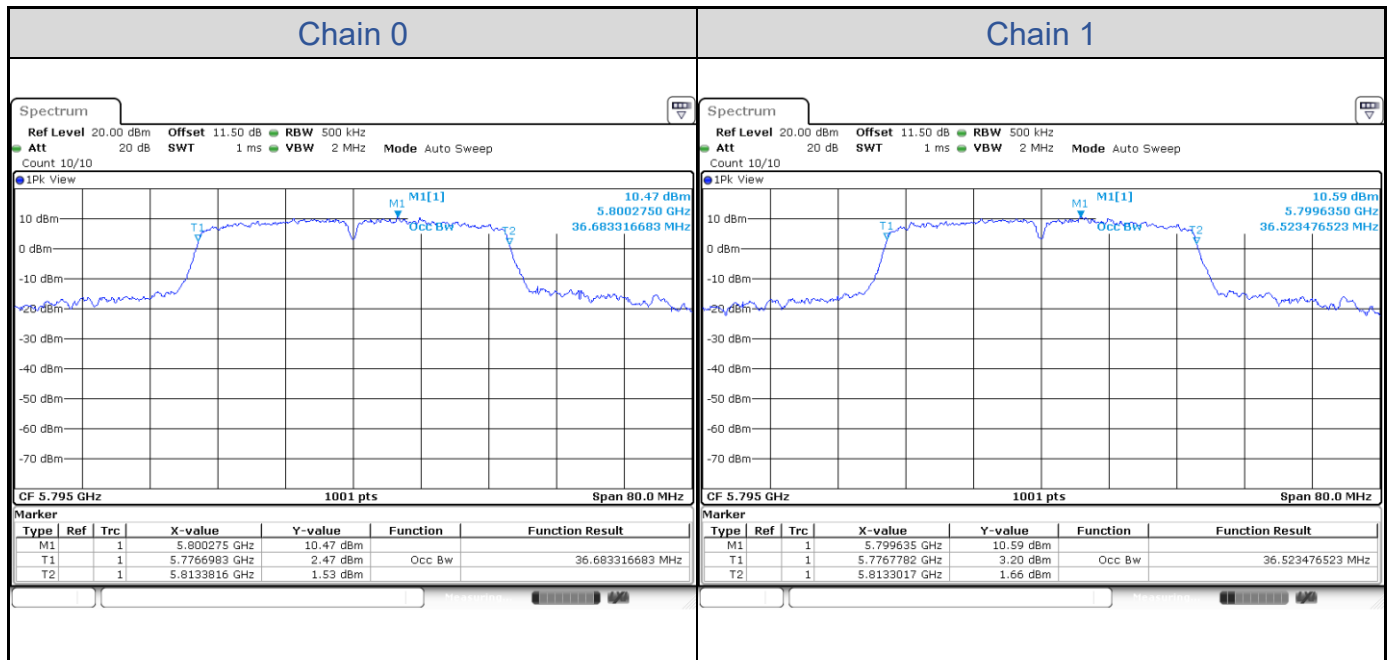
802.11ac VHT20-Channel 165



802.11ac VHT40

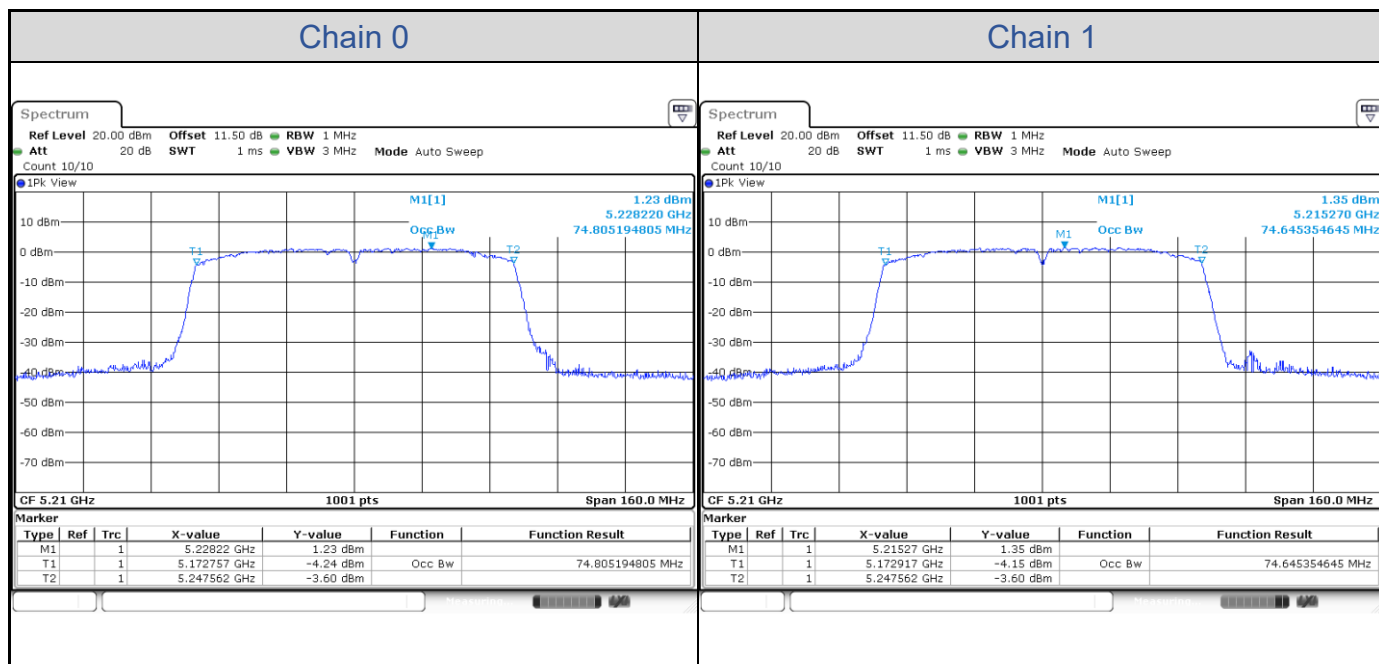
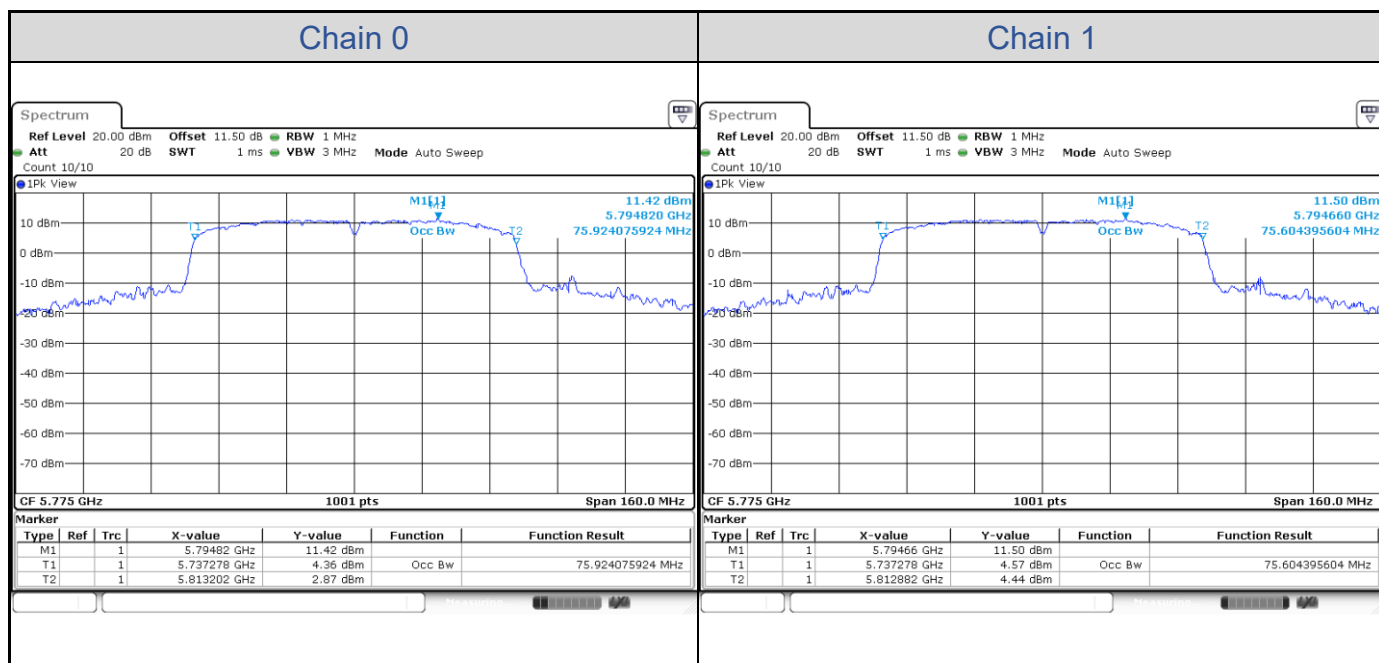
Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	38	5190	36.20	36.20
	46	5230	37.08	37.00
U-NII-3	151	5755	36.76	36.68
	159	5795	36.68	36.52

802.11ac VHT40-Channel 38

802.11ac VHT40-Channel 46


802.11ac VHT40-Channel 151

802.11ac VHT40-Channel 159


802.11ac VHT80

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	42	5210	74.81	74.65
U-NII-3	155	5775	75.92	75.60

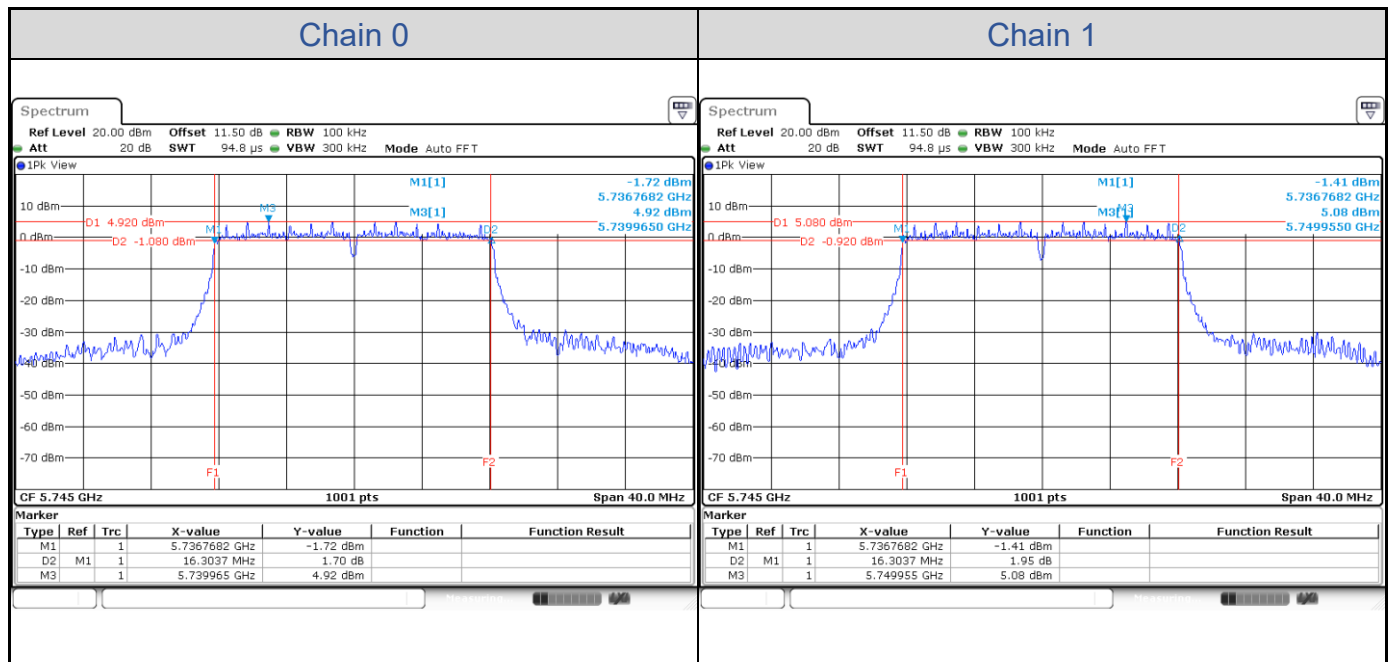
802.11ac VHT80-Channel 42

802.11ac VHT80-Channel 155


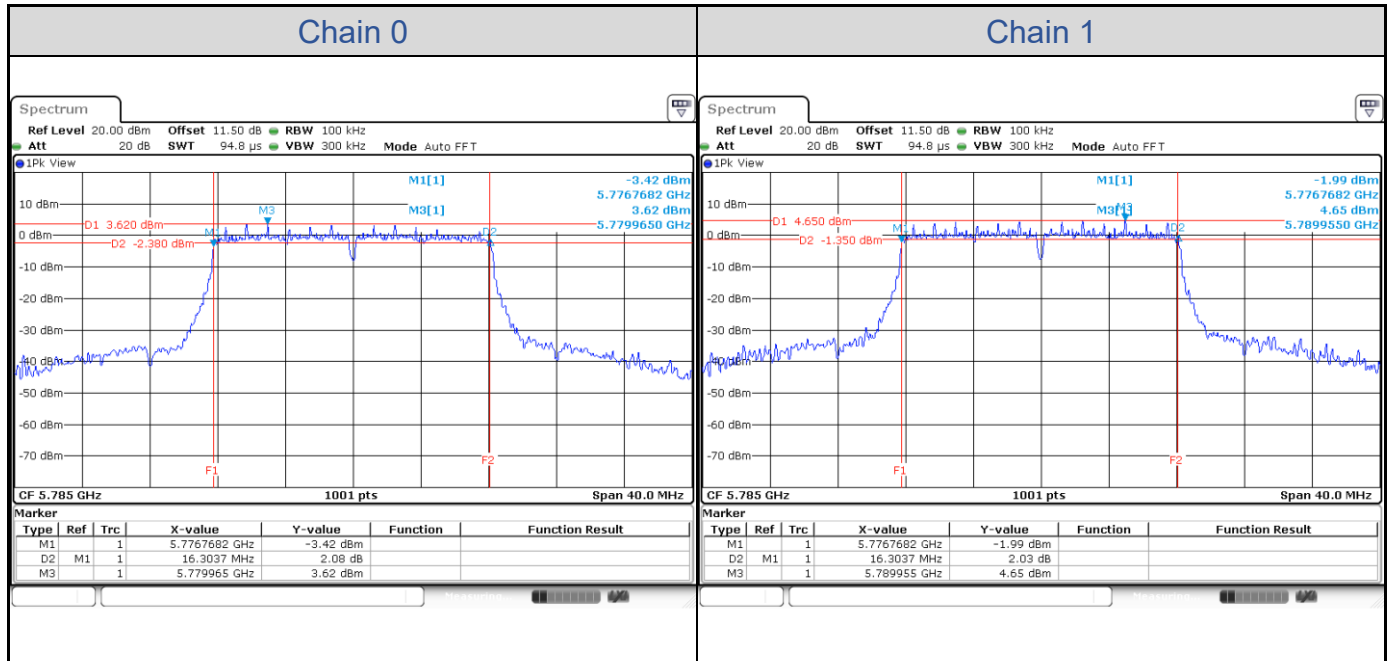
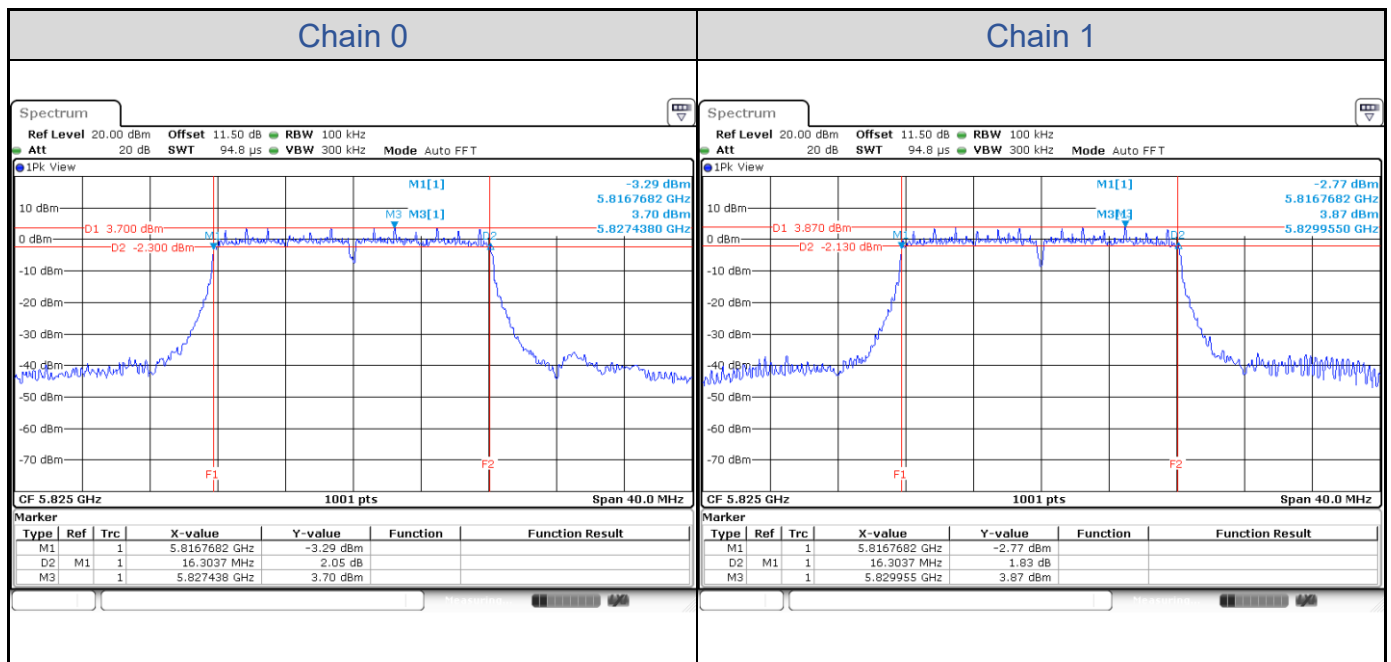
Test Result of 6 dB Bandwidth

802.11a

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
U-NII-3	149	5745	16.30	16.30	> 0.5	Pass
	157	5785	16.30	16.30	> 0.5	Pass
	165	5825	16.30	16.30	> 0.5	Pass

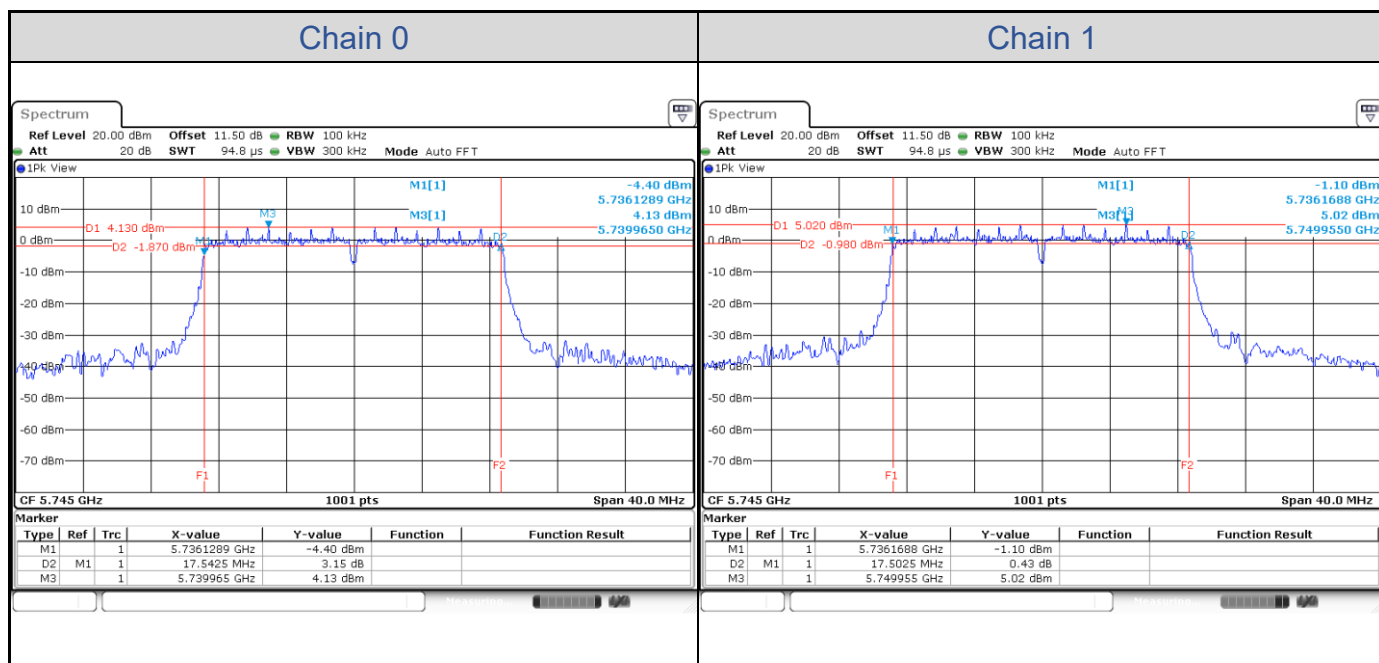
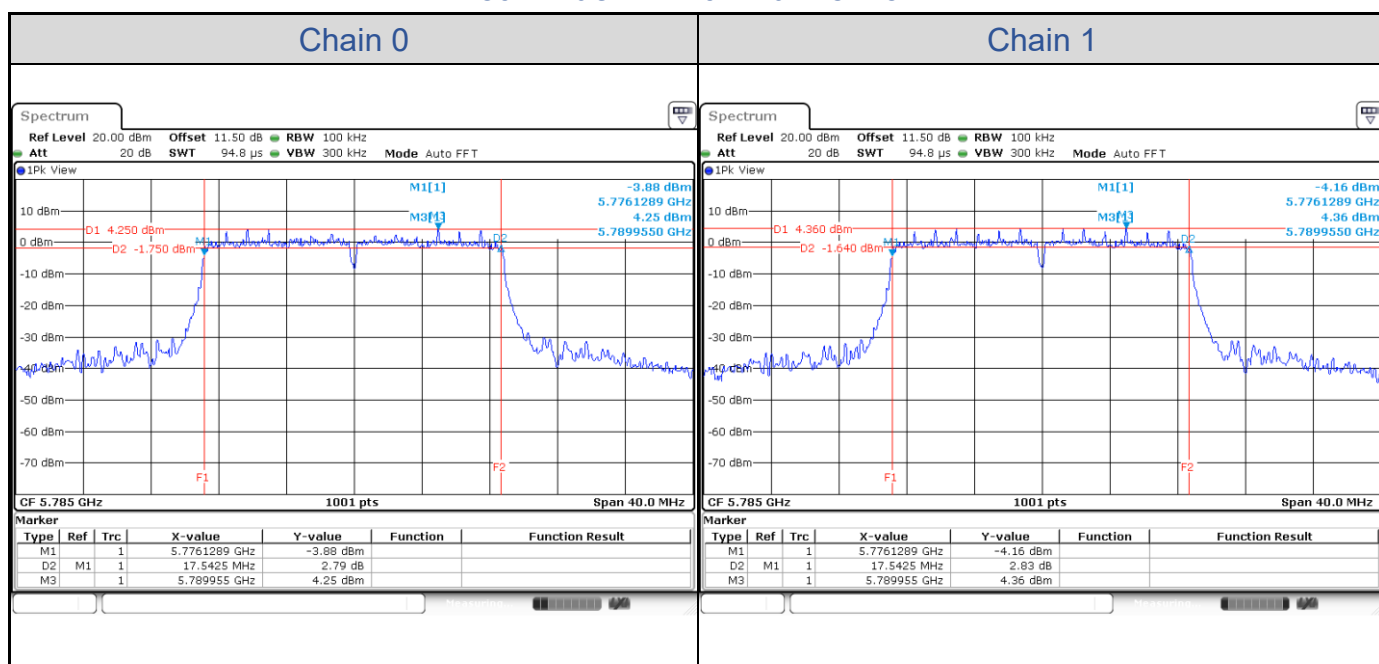
802.11a-Channel 149

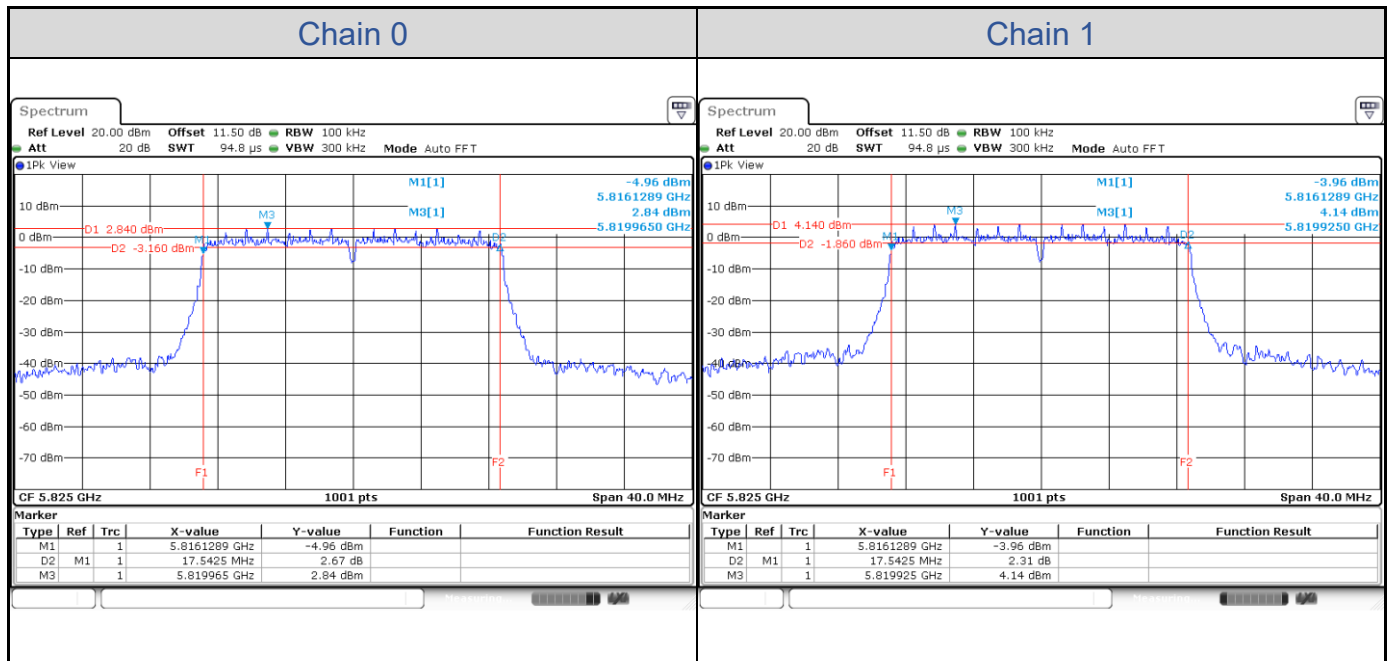


802.11a-Channel 157

802.11a-Channel 165


802.11ac VHT20

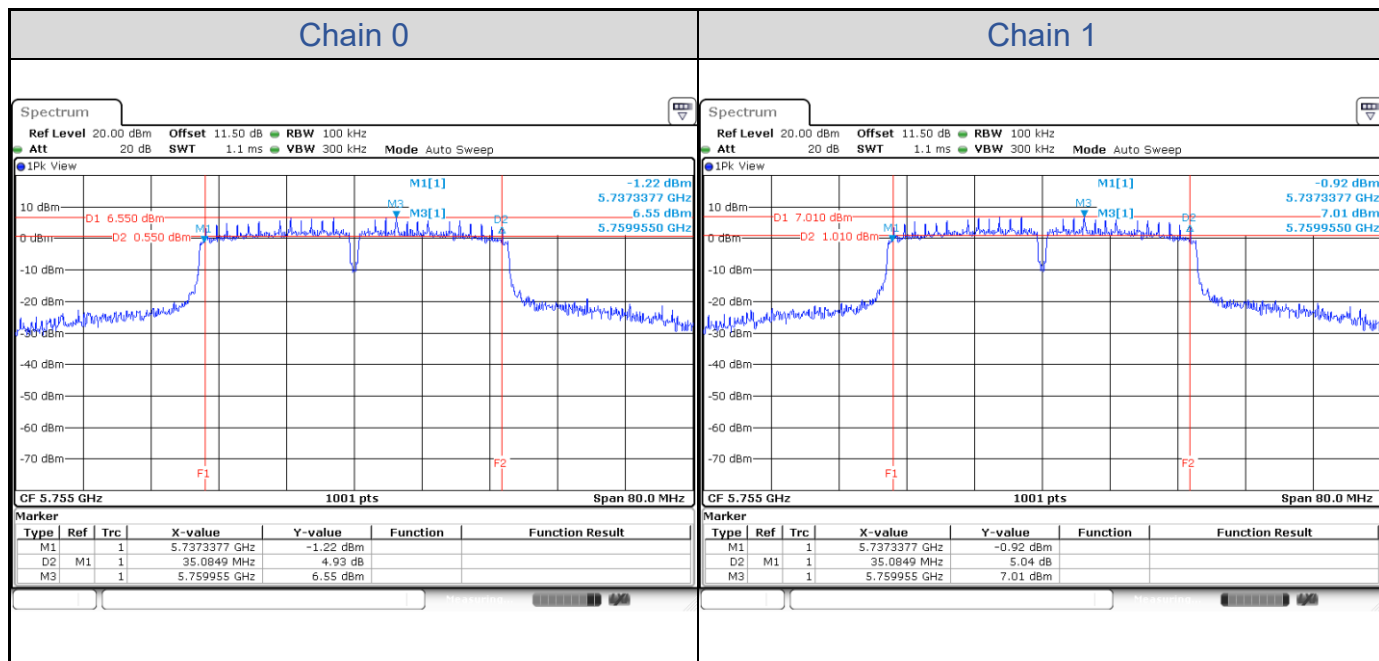
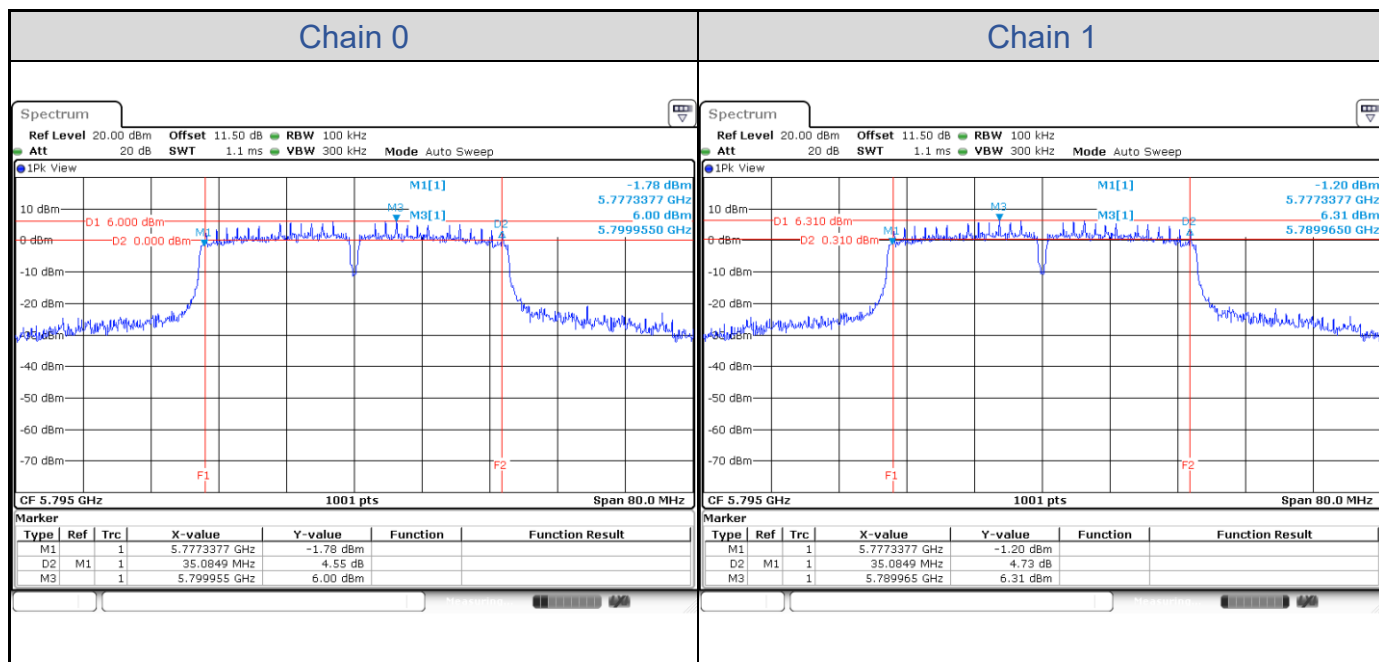
Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
U-NII-3	149	5745	17.54	17.50	> 0.5	Pass
	157	5785	17.54	17.54	> 0.5	Pass
	165	5825	17.54	17.54	> 0.5	Pass

802.11ac VHT20-Channel 149

802.11ac VHT20-Channel 157


802.11ac VHT20-Channel 165


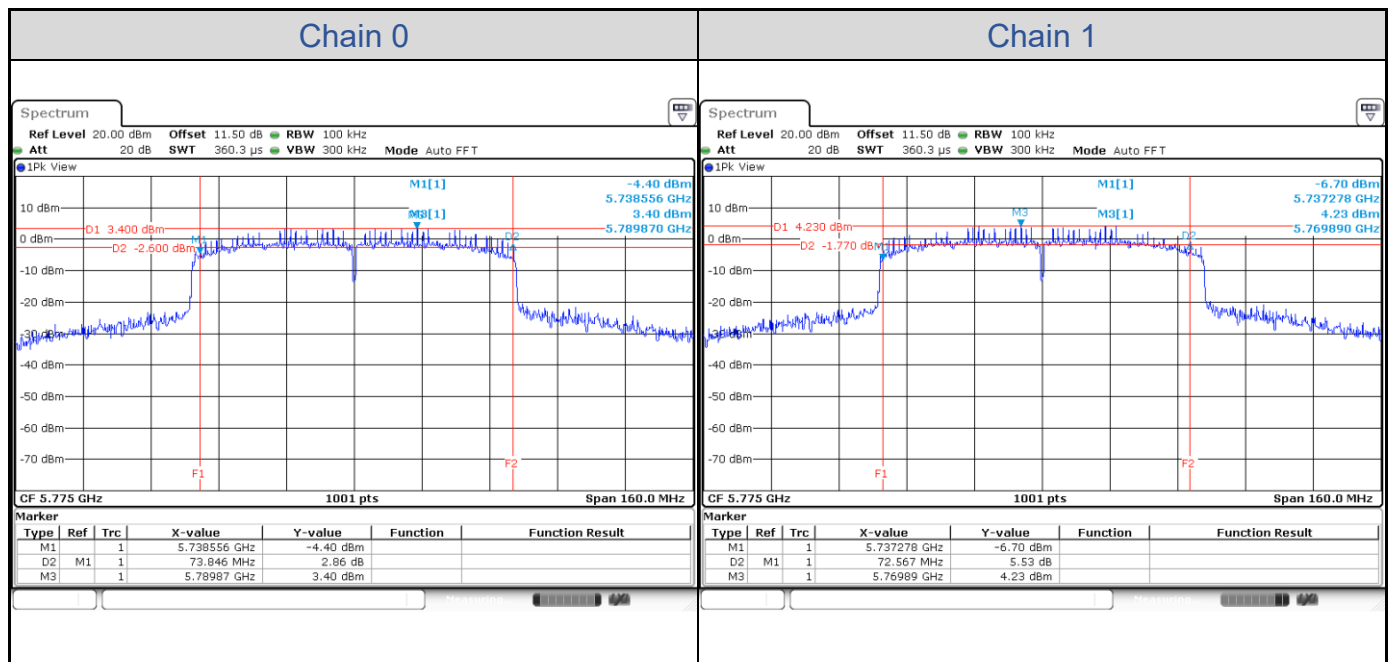
802.11ac VHT40

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
U-NII-3	151	5755	35.08	35.08	> 0.5	Pass
	159	5795	35.08	35.08	> 0.5	Pass

802.11ac VHT40-Channel 151

802.11ac VHT40-Channel 159


802.11ac VHT80

Band	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
U-NII-3	155	5775	73.85	72.57	> 0.5	Pass

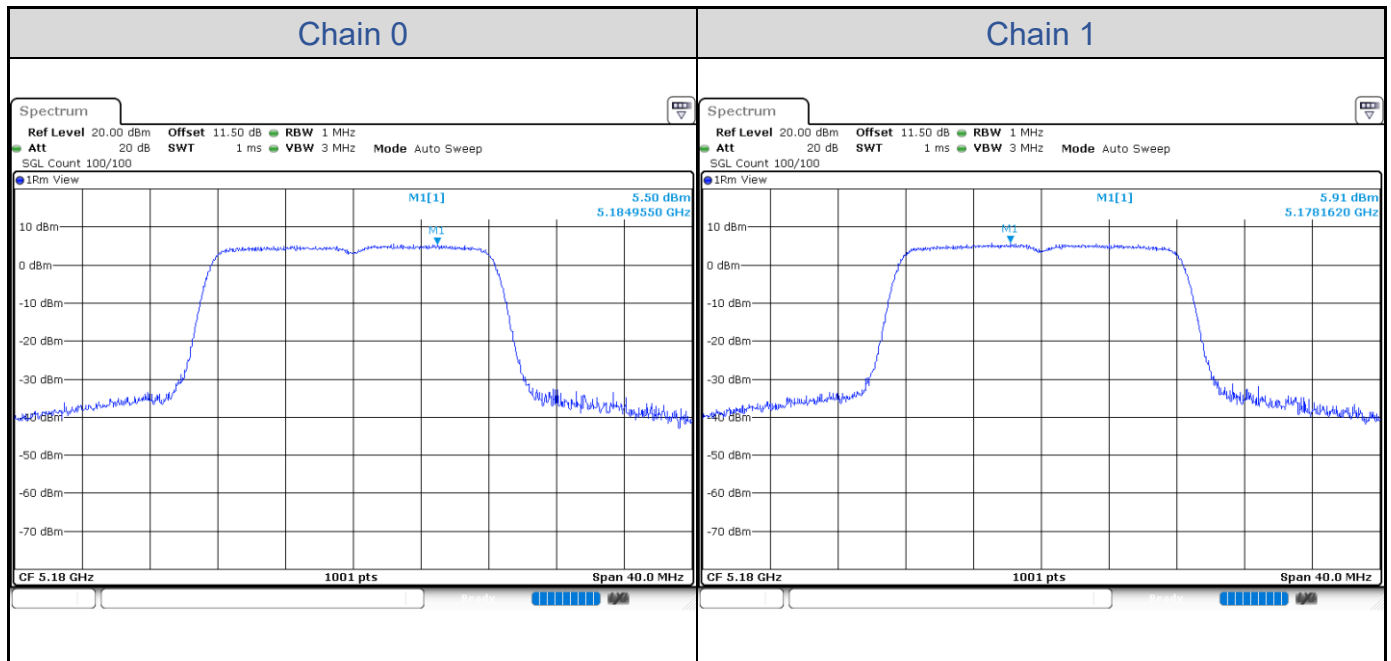
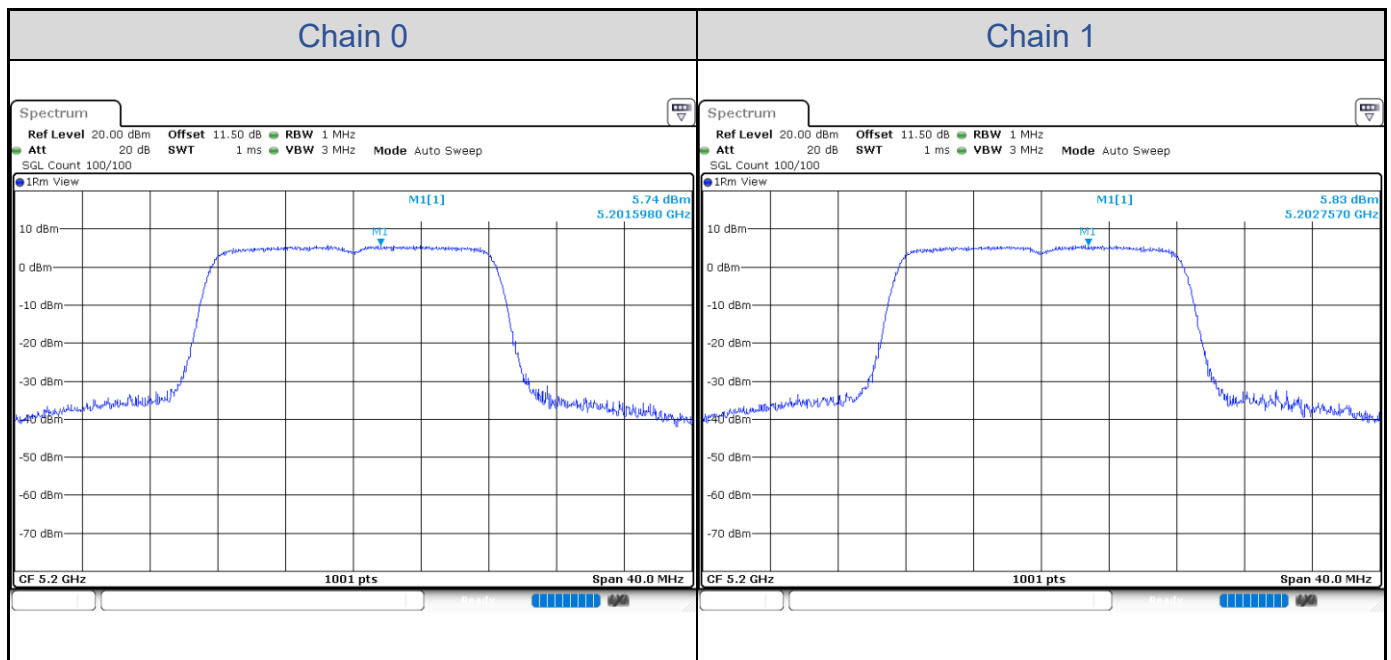
802.11ac VHT80-Channel 155


Test Result of Power Spectral Density

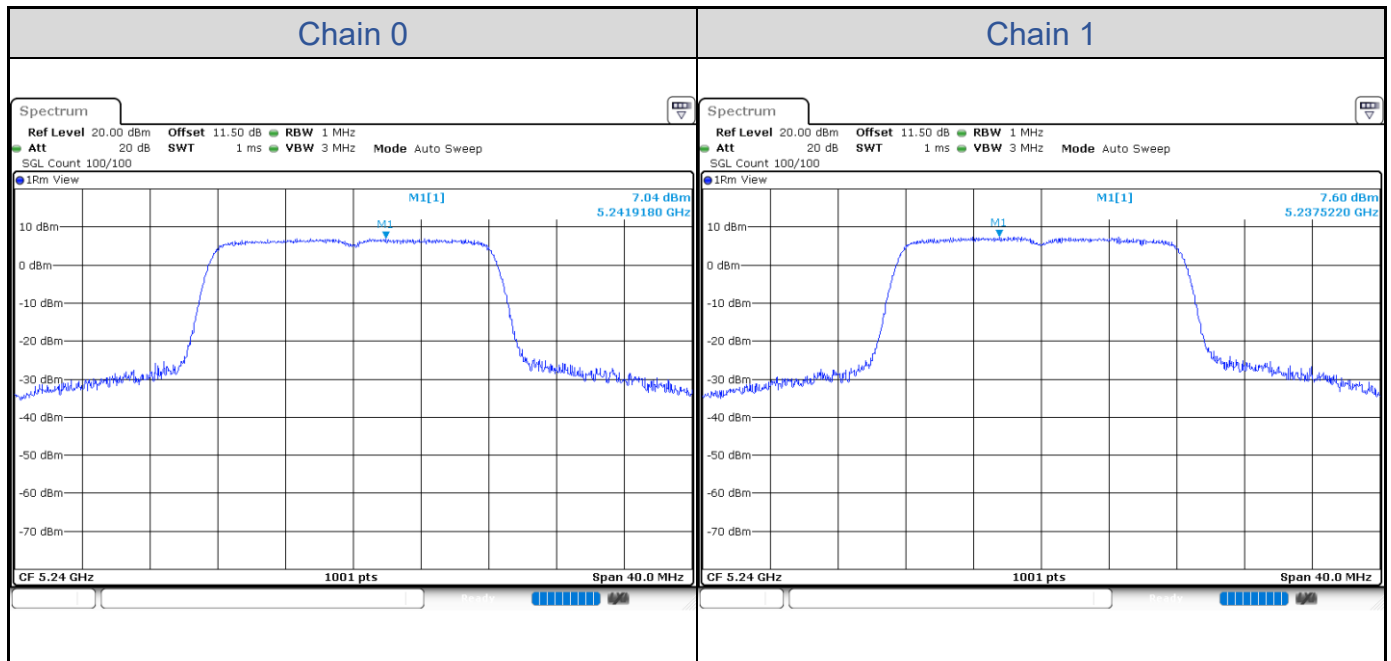
802.11a

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)		Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-1	36	5180	5.50	5.91	9.19	17.00	Pass
	40	5200	5.74	5.83	9.26	17.00	Pass
	48	5240	7.04	7.60	10.81	17.00	Pass

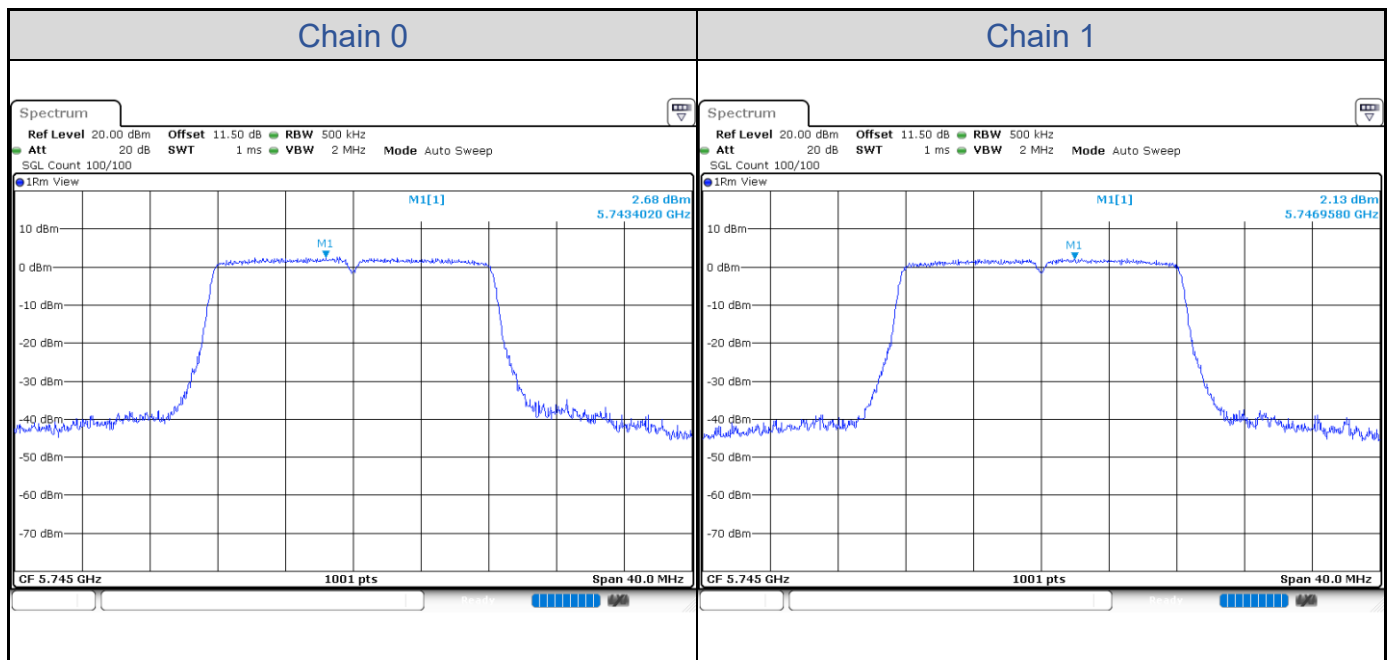
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)		Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-3	149	5745	2.68	2.13	5.89	30.00	Pass
	157	5785	1.99	1.91	5.43	30.00	Pass
	165	5825	1.17	1.37	4.75	30.00	Pass

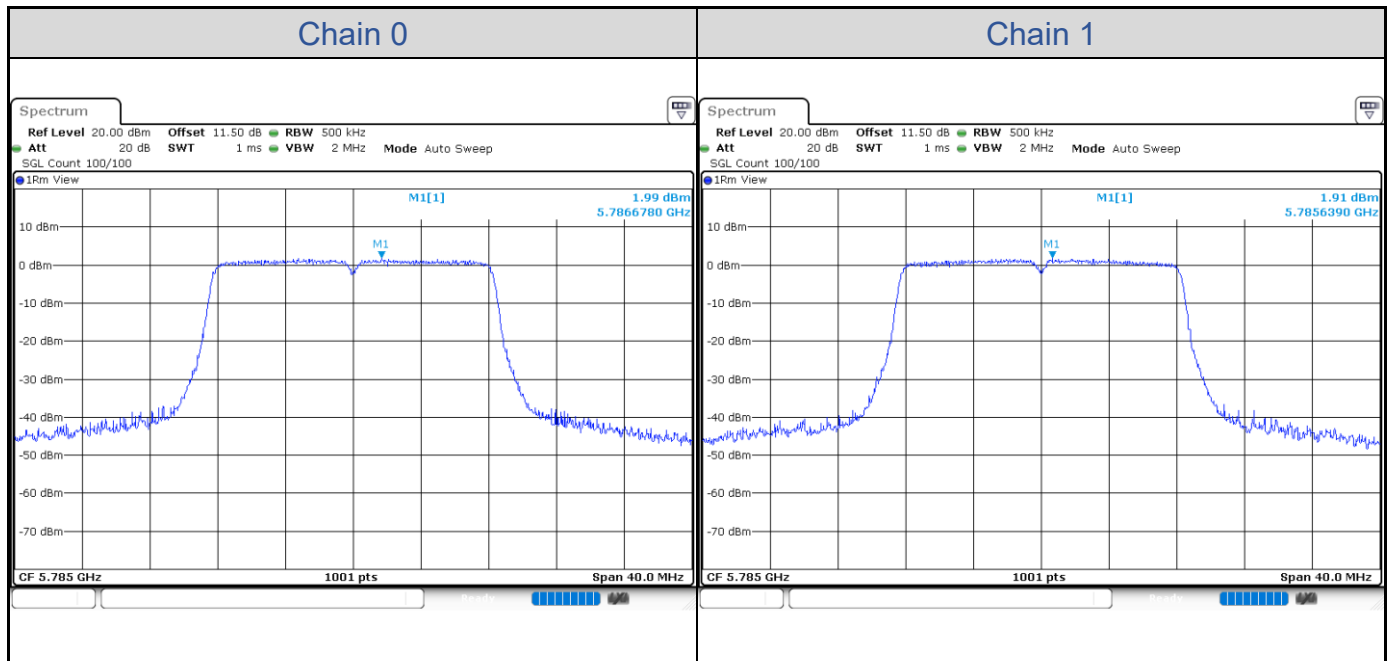
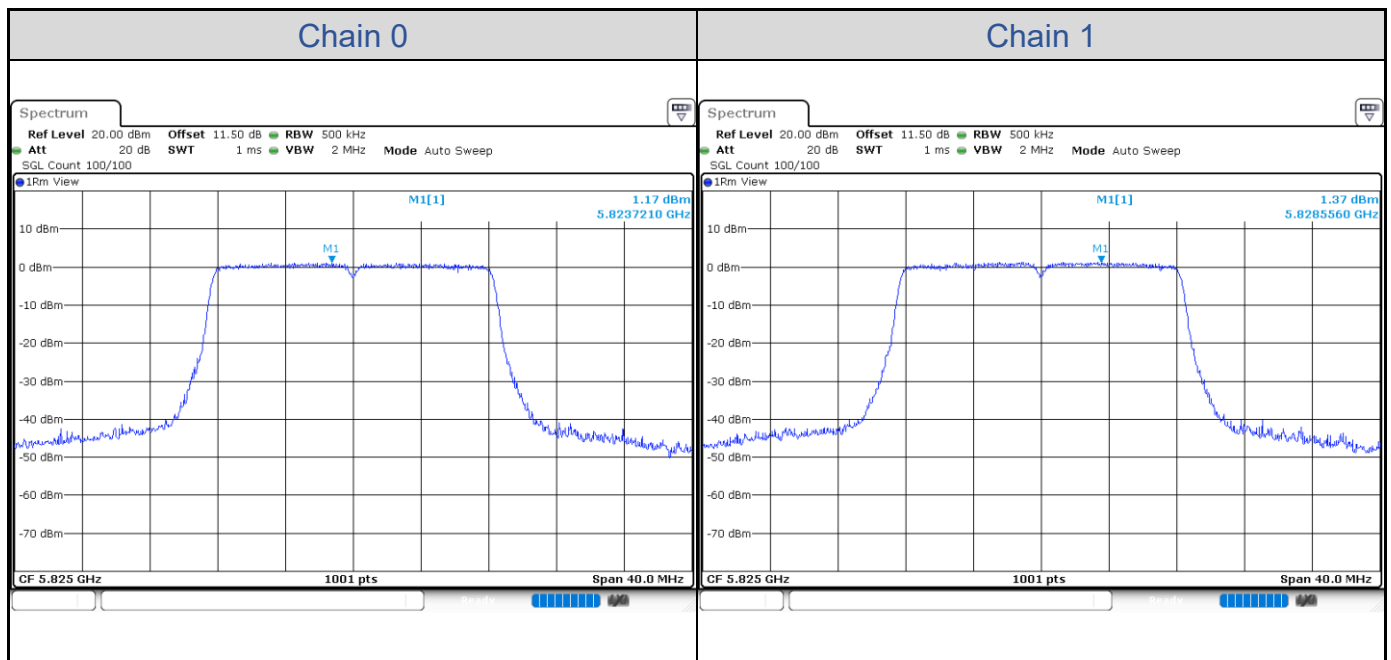
802.11a-Channel 36

802.11a-Channel 40


802.11a-Channel 48



802.11a-Channel 149

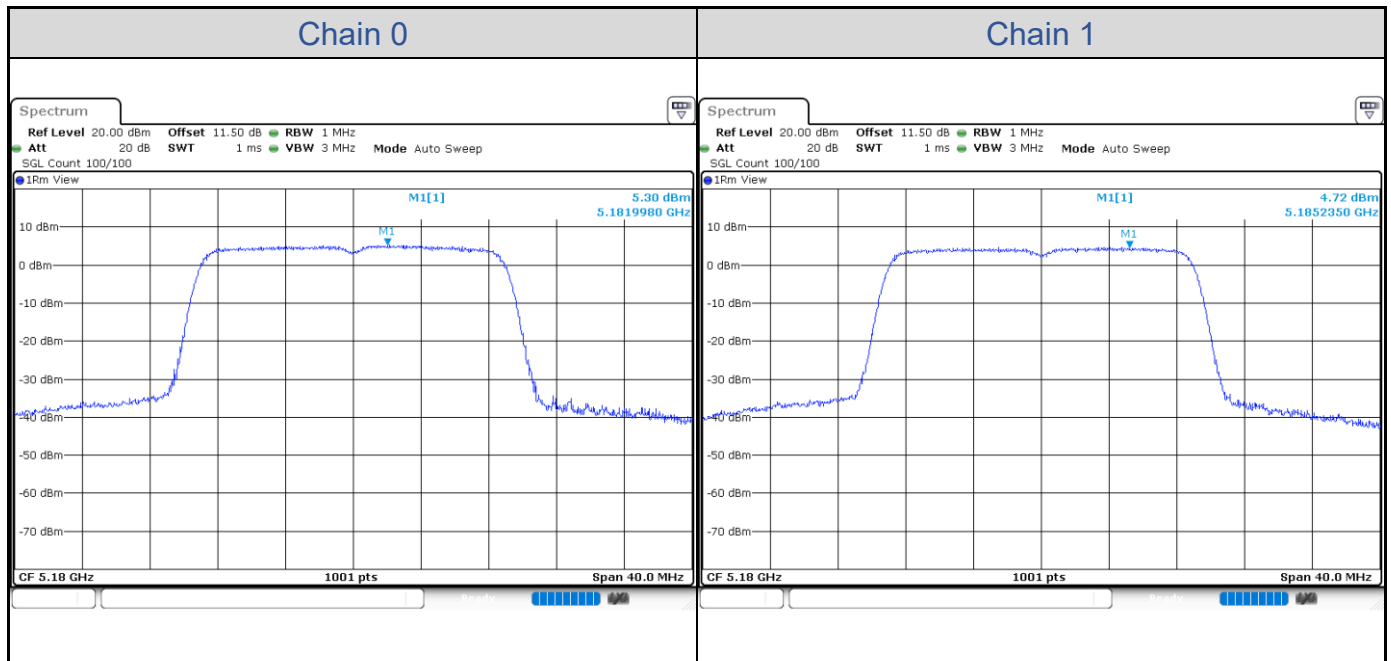
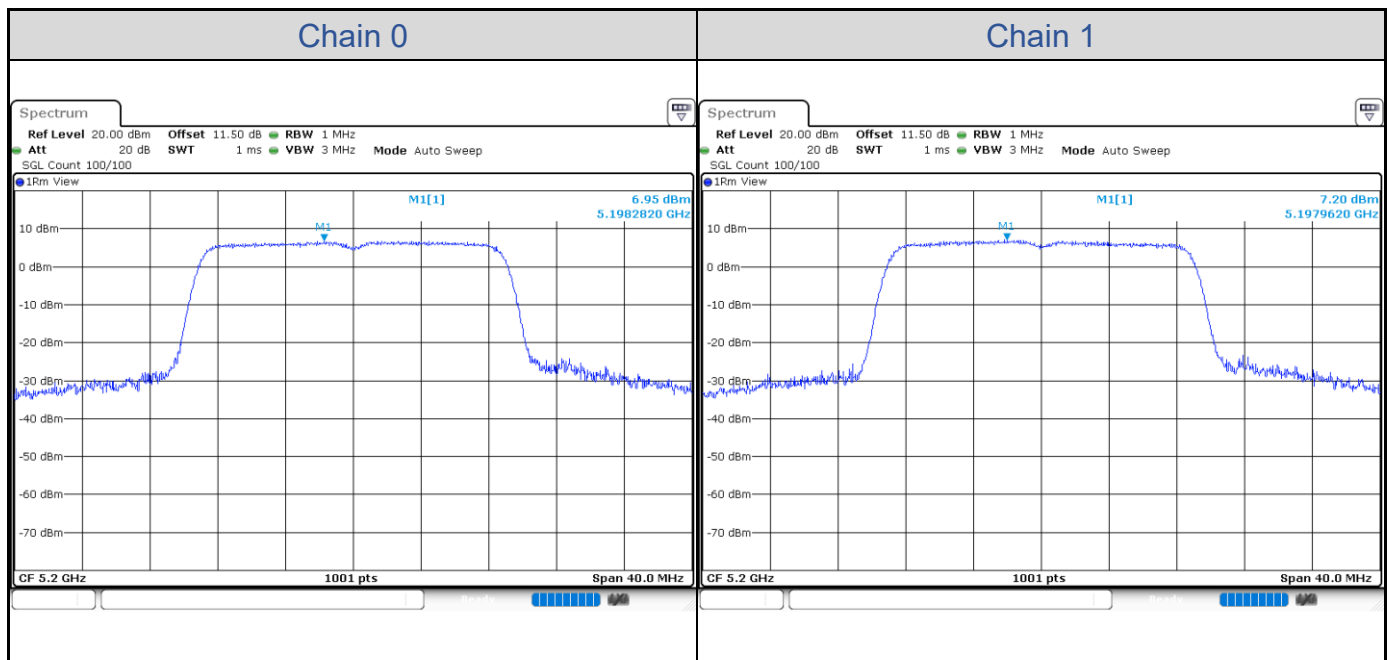


802.11a-Channel 157

802.11a-Channel 165


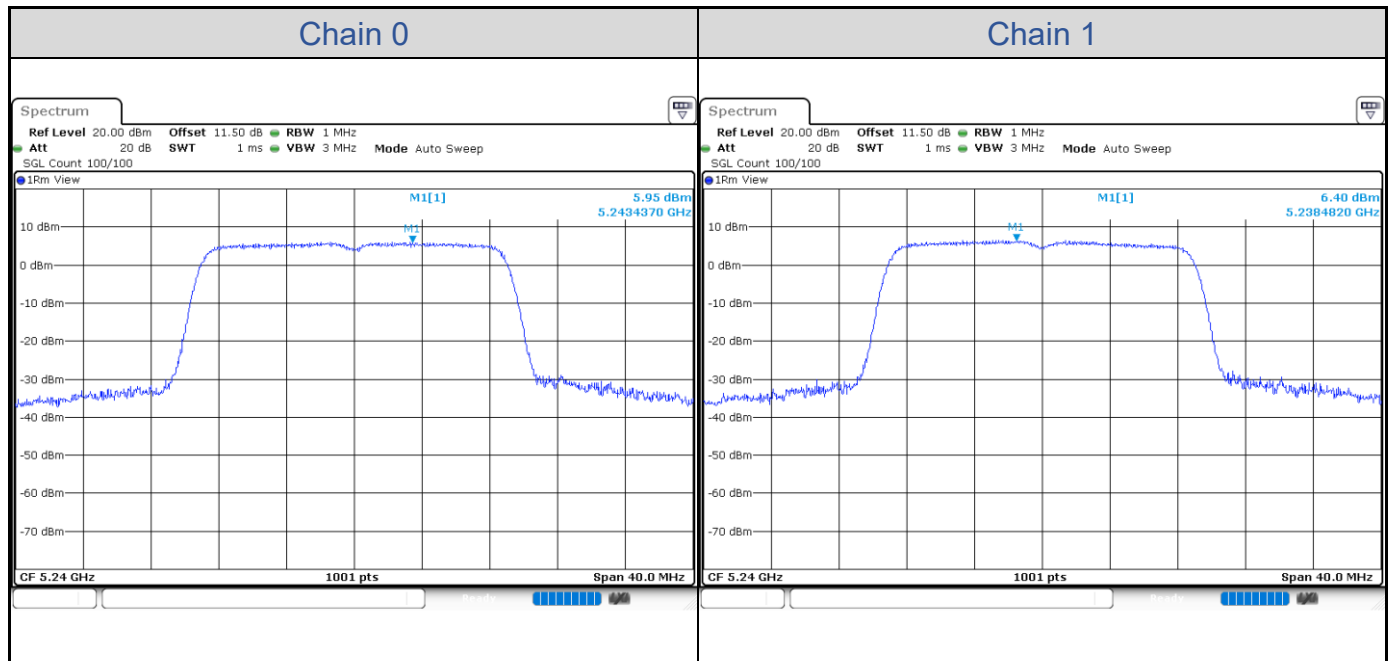
802.11ac VHT20

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)		Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-1	36	5180	5.30	4.72	8.33	17.00	Pass
	40	5200	6.95	7.20	10.39	17.00	Pass
	48	5240	5.95	6.40	9.50	17.00	Pass

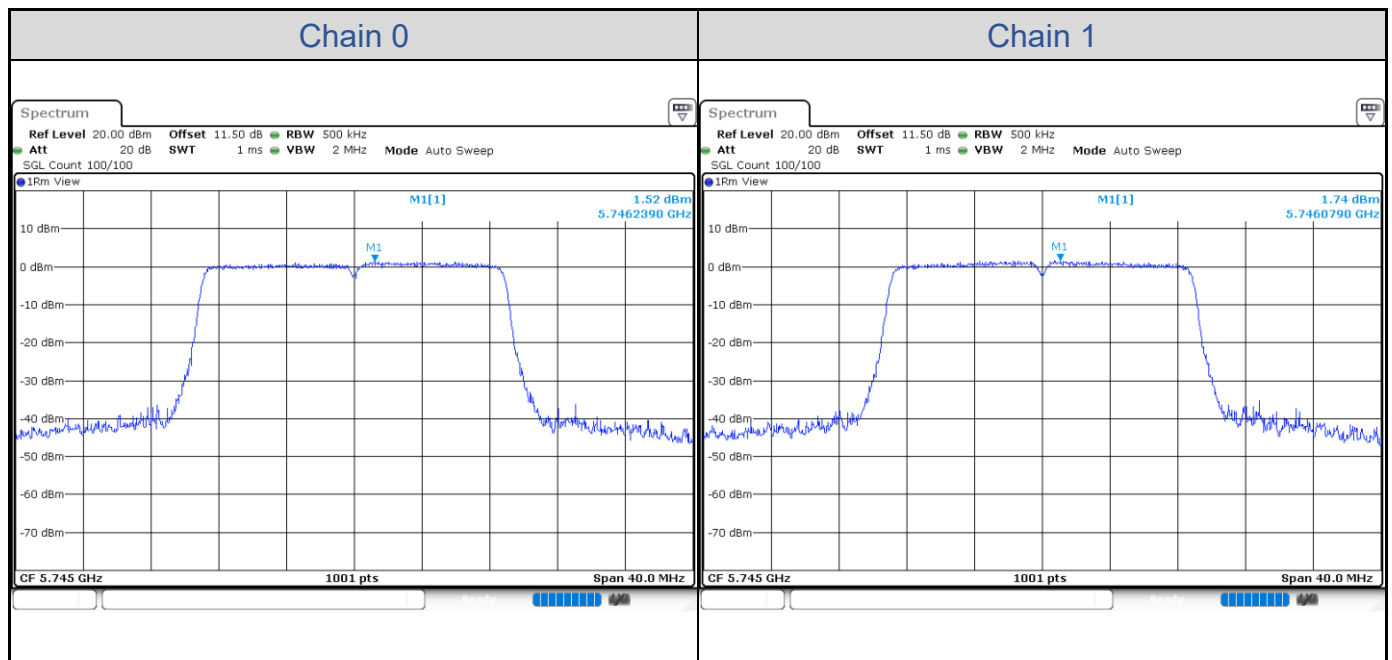
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)		Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-3	149	5745	1.52	1.74	4.95	30.00	Pass
	157	5785	1.36	1.28	4.63	30.00	Pass
	165	5825	0.77	0.87	4.13	30.00	Pass

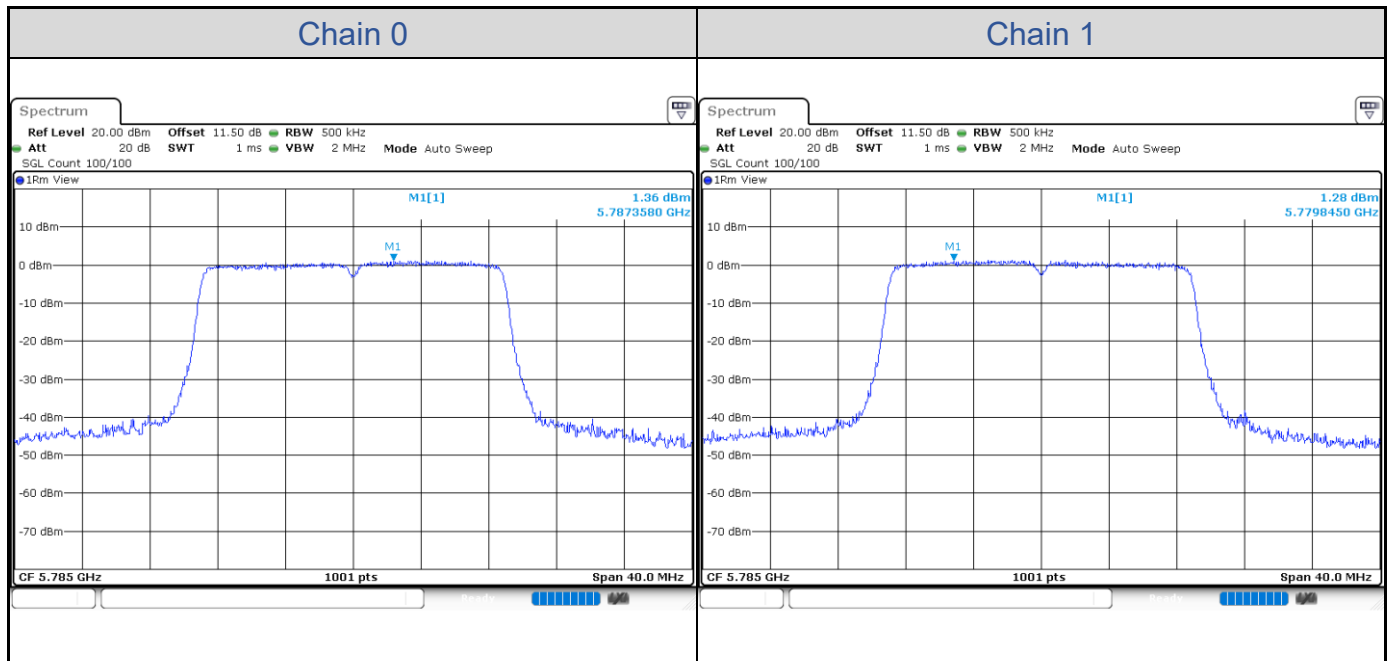
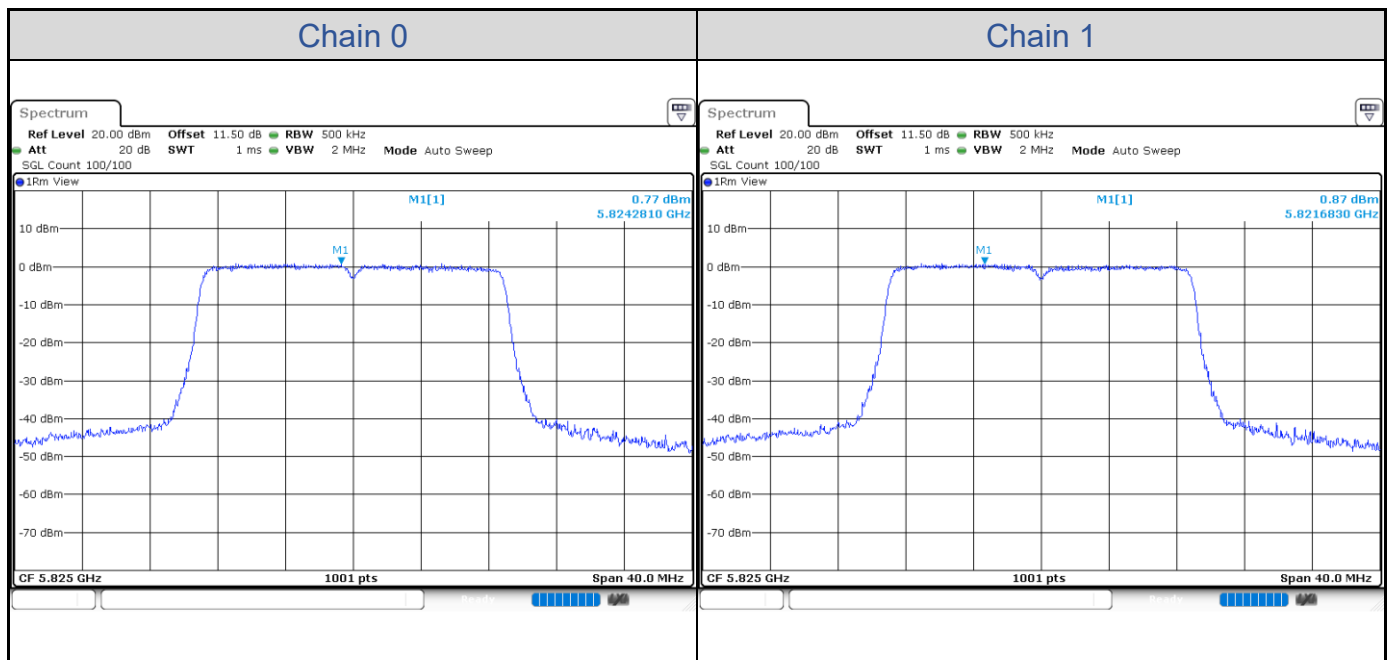
802.11ac VHT20-Channel 36

802.11ac VHT20-Channel 40


802.11ac VHT20-Channel 48



802.11ac VHT20-Channel 149



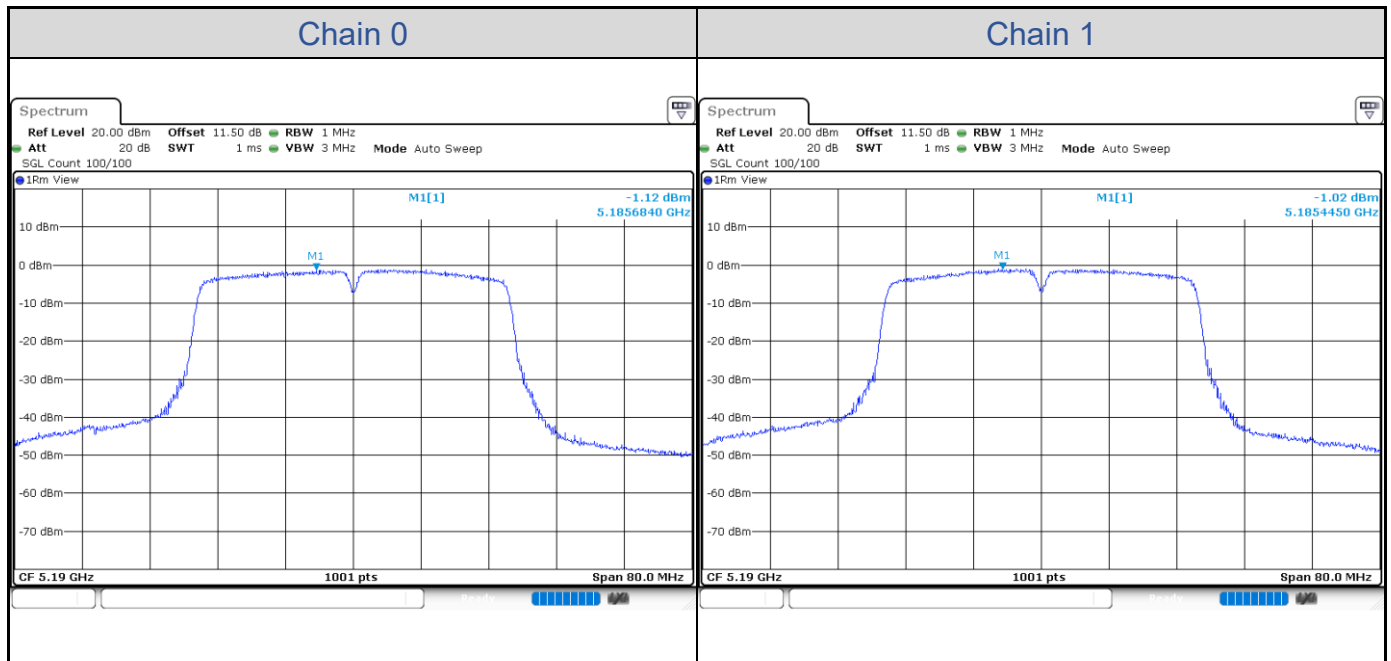
802.11ac VHT20-Channel 157

802.11ac VHT20-Channel 165


802.11ac VHT40

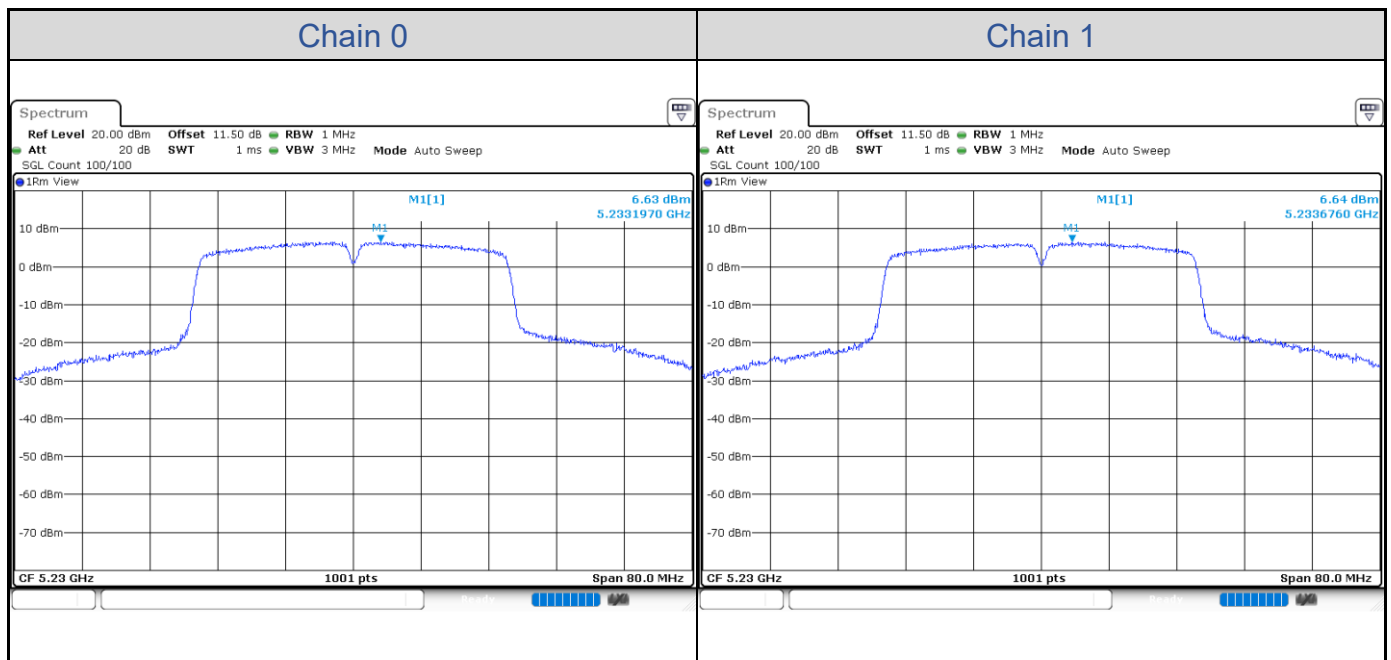
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)		Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-1	38	5190	-1.12	-1.02	2.87	17.00	Pass
	46	5230	6.63	6.64	10.58	17.00	Pass

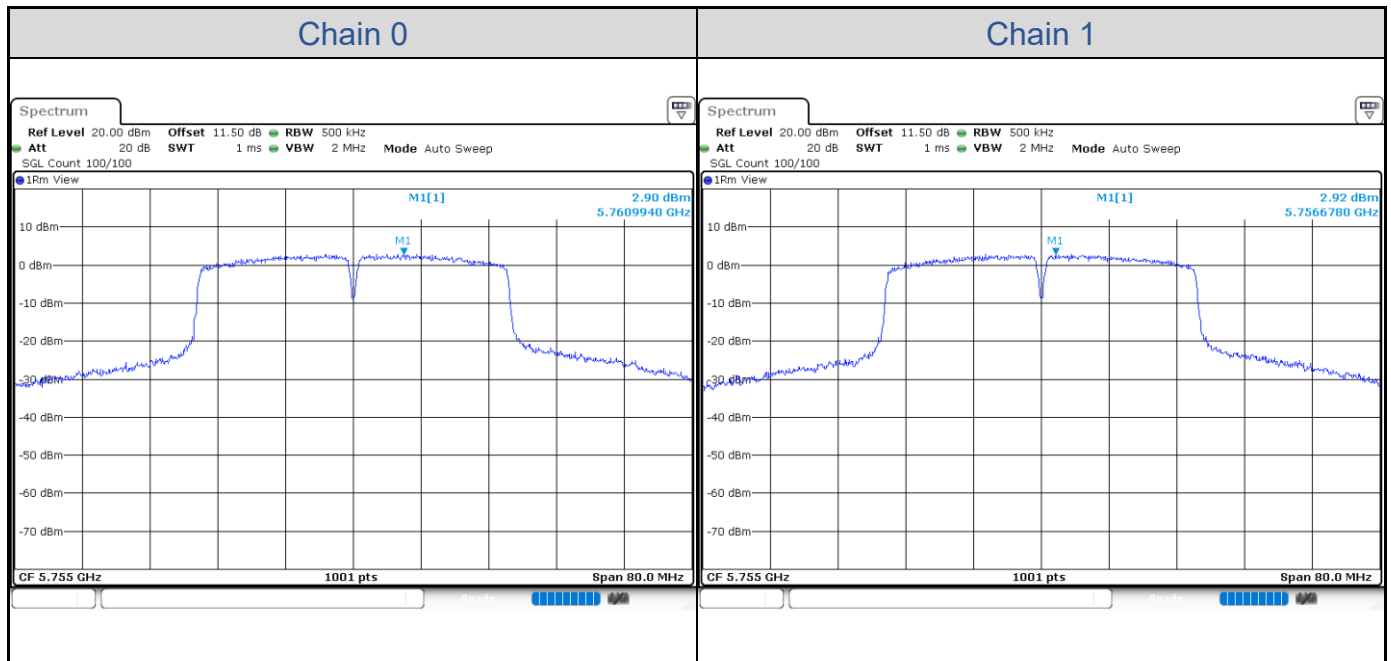
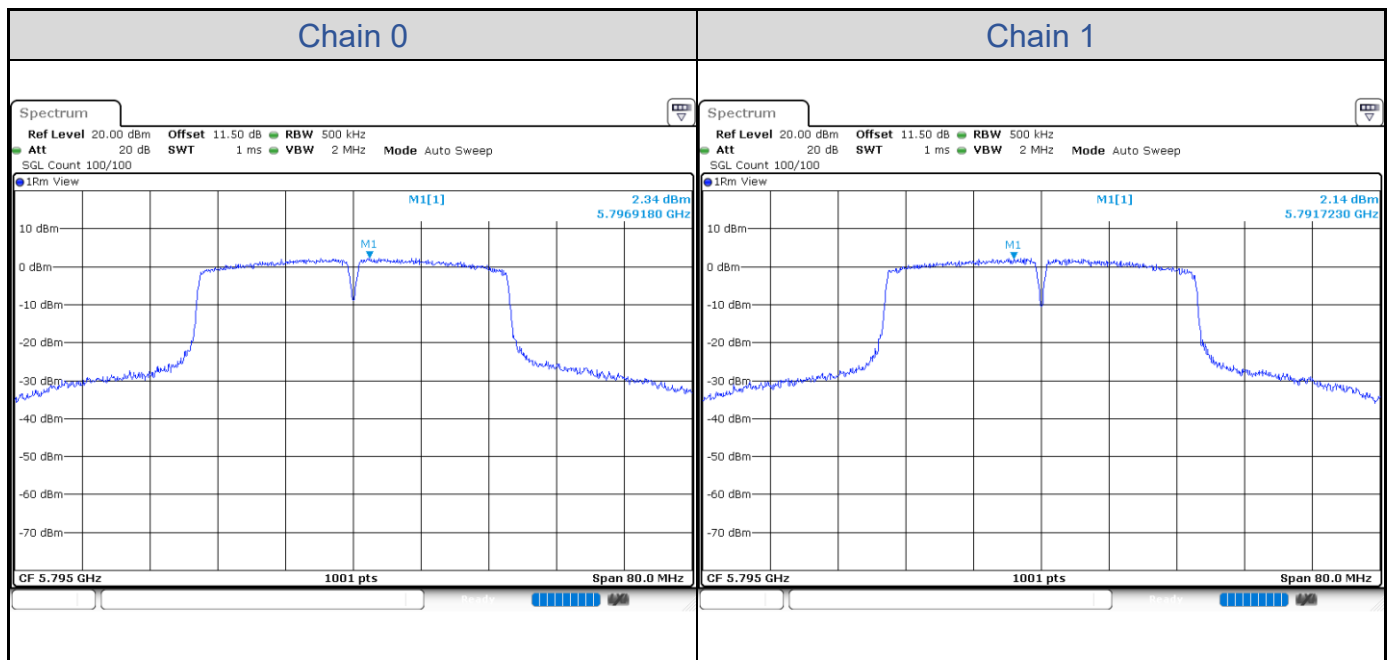
Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)		Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-3	151	5755	2.90	2.92	6.85	30.00	Pass
	159	5795	2.34	2.14	6.18	30.00	Pass

802.11ac VHT40-Channel 38



802.11ac VHT40-Channel 46

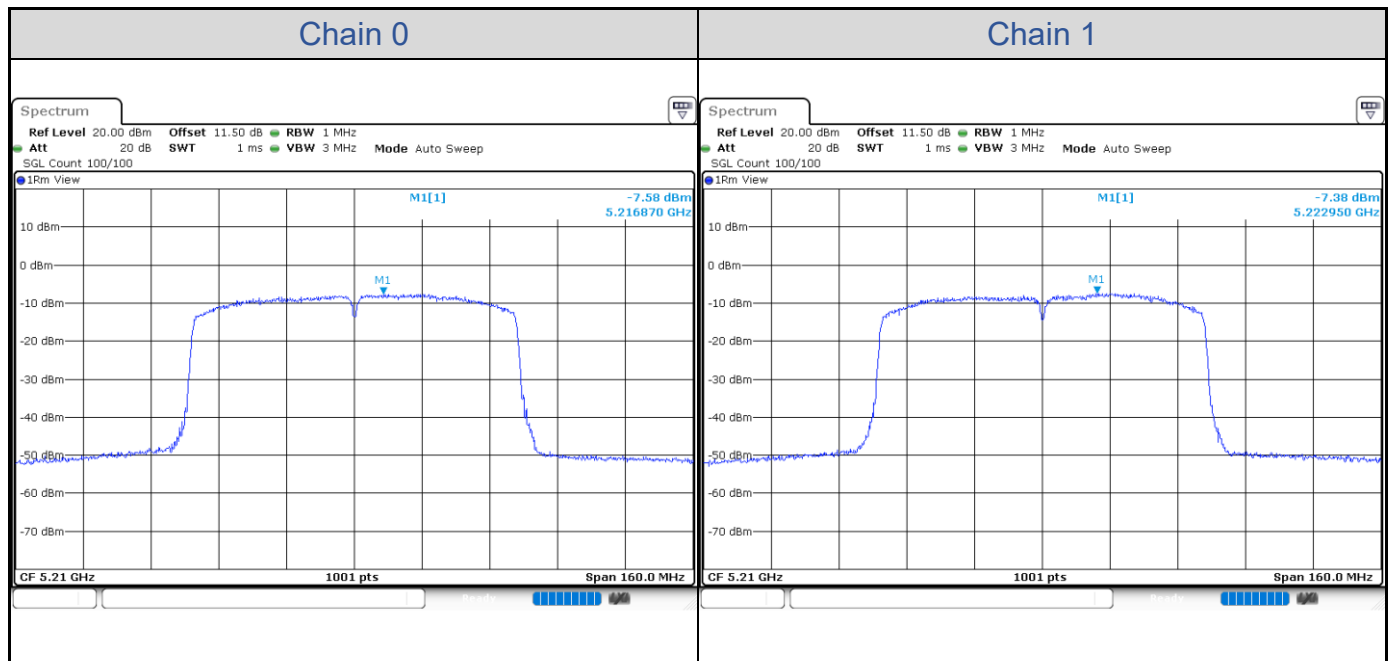


802.11ac VHT40-Channel 151

802.11ac VHT40-Channel 159


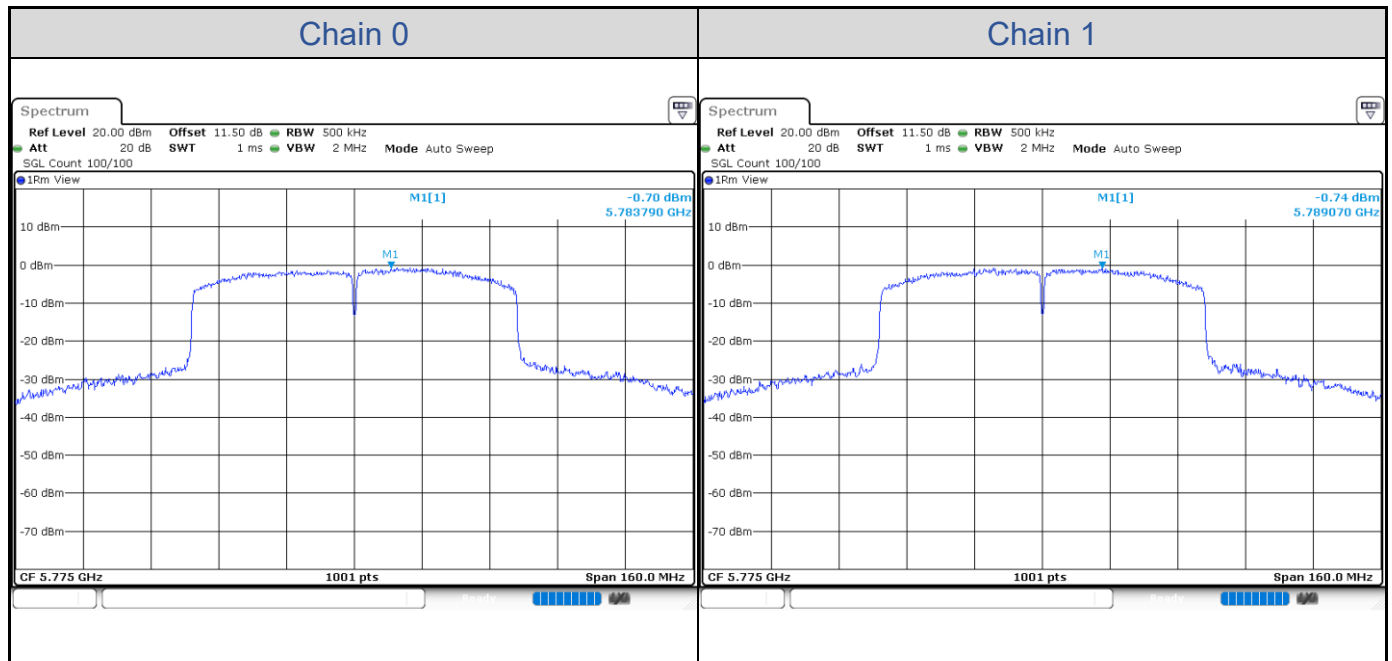
802.11ac VHT80

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/MHz)		Total PSD with Duty Factor (dBm/MHz)	Maximum Limit (dBm/MHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-1	42	5210	-7.58	-7.38	-2.66	17.00	Pass

Band	Channel	Frequency (MHz)	PSD without Duty Factor (dBm/500kHz)		Total PSD with Duty Factor (dBm/500kHz)	Maximum Limit (dBm/500kHz)	Pass / Fail
			Chain 0	Chain 1			
U-NII-3	155	5775	-0.70	-0.74	4.10	30.00	Pass

802.11ac VHT80-Channel 42


802.11ac VHT80-Channel 155



Appendix B: Test Results of Radiation Spurious Emissions & Mains

Conducted Emission

Band Edges, 4.5GHz ~ 5.15GHz

U-NII-1

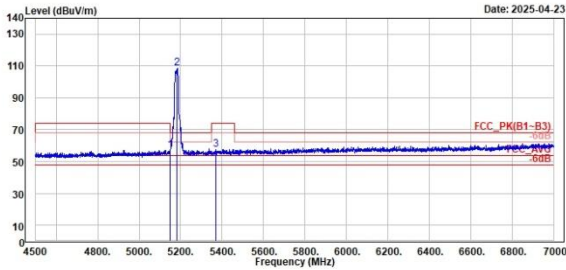
802.11a

CH 36 (Horizontal) Peak

CH 36 (Vertical) Peak



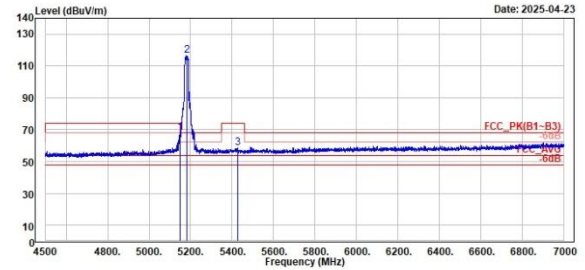
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5147.50	57.19	14.10	43.09	74.00	-16.81	304	61	Peak	Horizontal	
2 *	5180.00	108.40	65.11	43.29	68.20	40.20	304	61	Peak	Horizontal	
3	5371.50	57.53	13.87	43.66	74.00	-16.47	304	61	Peak	Horizontal	



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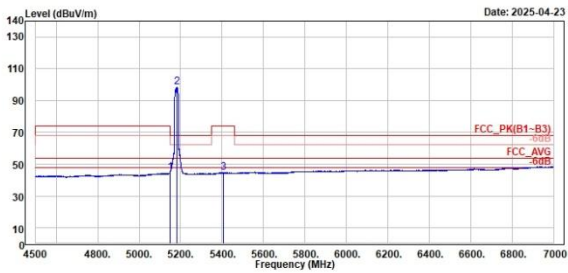
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5150.00	67.97	24.88	43.09	74.00	-6.03	177	312	Peak	Vertical	
2 *	5180.00	116.59	73.30	43.29	68.20	48.39	177	312	Peak	Vertical	
3	5425.50	58.42	14.47	43.95	74.00	-15.58	177	312	Peak	Vertical	

802.11a

CH 36 (Horizontal) Average



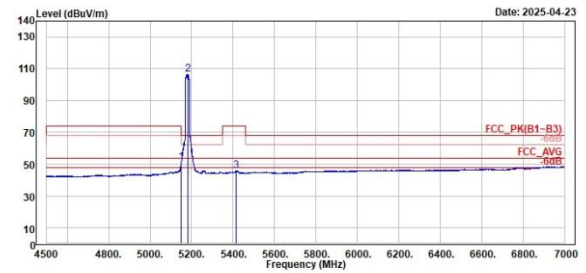
TÜV Rheinland Taiwan Ltd.
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Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5150.00	44.82	1.73	43.09	54.00	-9.18	304	61	Average	Horizontal	
2 *	5180.00	98.37	55.08	43.29	54.00	44.37	304	61	Average	Horizontal	
3	5407.00	44.70	0.65	44.05	54.00	-9.30	304	61	Average	Horizontal	



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5150.00	50.90	7.81	43.09	54.00	-3.10	177	312	Average	Vertical	
2 *	5180.00	106.39	63.10	43.29	54.00	52.39	177	312	Average	Vertical	
3	5416.50	45.93	1.94	43.99	54.00	-8.07	177	312	Average	Vertical	

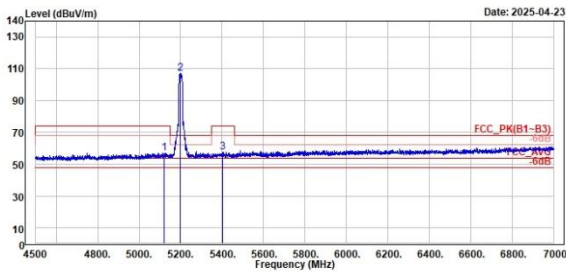
802.11a

CH 40 (Horizontal) Peak

CH 40 (Vertical) Peak



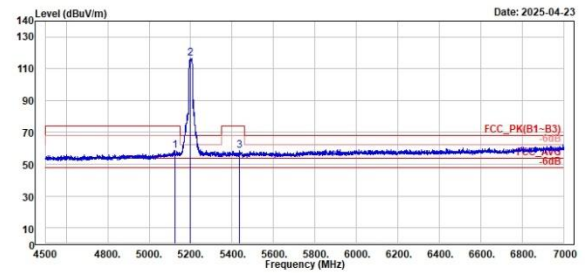
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5120.50	57.04	13.98	43.06	74.00	-16.96	301	60	Peak	Horizontal	
2 *	5200.00	106.92	63.49	43.43	68.20	38.72	301	60	Peak	Horizontal	
3	5402.00	57.38	13.31	44.07	74.00	-16.62	301	60	Peak	Horizontal	



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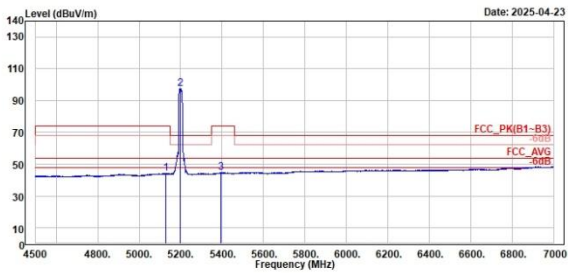
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5120.00	58.57	15.50	43.07	74.00	-15.43	184	295	Peak	Vertical	
2 *	5200.00	116.75	73.32	43.43	68.20	48.55	184	295	Peak	Vertical	
3	5435.50	58.67	14.77	43.90	74.00	-15.33	184	295	Peak	Vertical	

802.11a

CH 40 (Horizontal) Average



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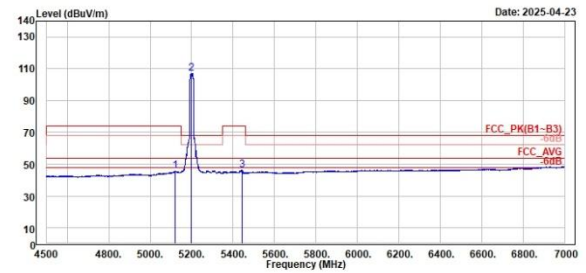


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5120.00	44.15	1.00	43.07	54.00	-9.85	301	60	Average	Horizontal	
2 *	5200.00	97.67	54.24	43.43	54.00	43.67	301	60	Average	Horizontal	
3	5394.00	44.71	0.71	44.00	54.00	-9.29	301	60	Average	Horizontal	

CH 40 (Vertical) Average



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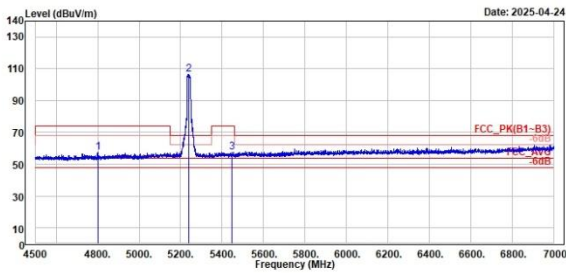
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5120.00	45.52	2.46	43.06	54.00	-8.48	184	295	Average	Vertical	
2 *	5200.00	107.17	63.74	43.43	54.00	53.17	184	295	Average	Vertical	
3	5442.50	46.07	2.21	43.86	54.00	-7.93	184	295	Average	Vertical	

802.11a

CH 48 (Horizontal) Peak



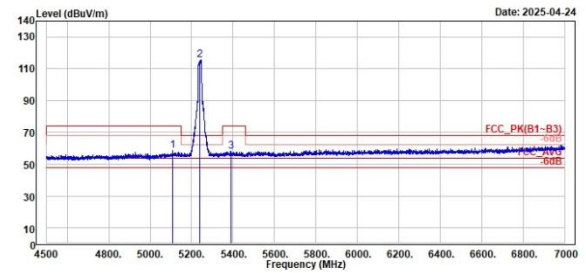
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CH 48 (Vertical) Peak



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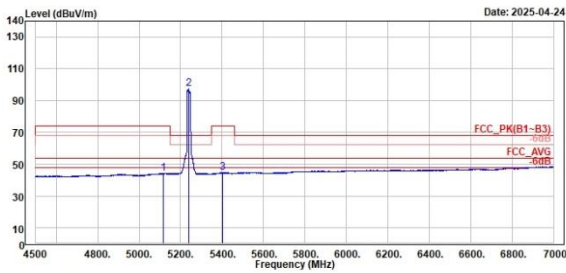


802.11a

CH 48 (Horizontal) Average



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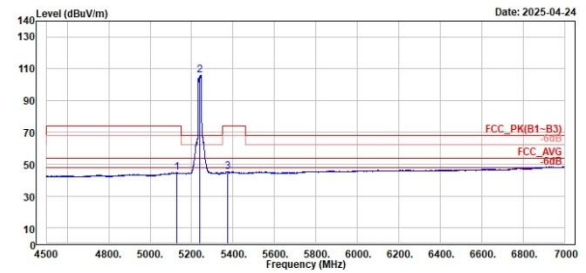


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5117.00	44.18	1.12	43.06	54.00	-9.82	100	65	Average	Horizontal	
2 *	5240.00	97.17	53.95	43.22	54.00	43.17	100	65	Average	Horizontal	
3	5401.50	44.76	0.69	44.07	54.00	-9.24	100	65	Average	Horizontal	

CH 48 (Vertical) Average



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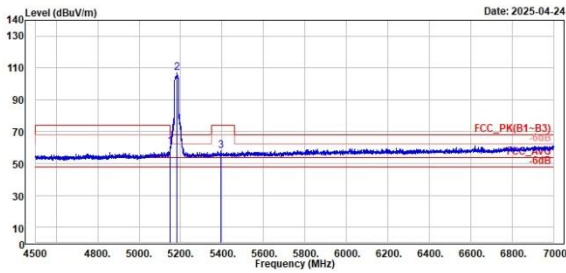
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5120.00	44.60	1.53	43.07	54.00	-9.40	277	170	Average	Vertical	
2 *	5240.00	105.71	62.49	43.22	54.00	51.71	277	170	Average	Vertical	
3	5375.00	45.40	1.69	43.71	54.00	-8.60	277	170	Average	Vertical	

802.11ac VHT20

CH 36 (Horizontal) Peak



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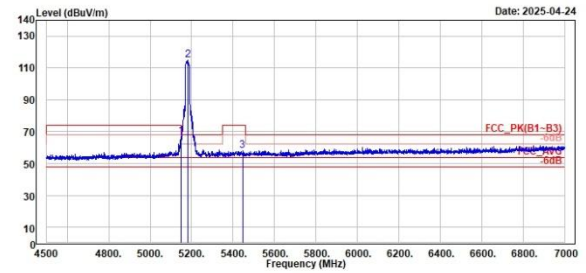


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5149.00	60.52	17.43	43.09	74.00	-13.48	100	330	Peak	Horizontal	
2 *	5180.00	106.76	63.47	43.29	68.20	38.56	100	330	Peak	Horizontal	
3	5393.00	57.81	13.83	43.98	74.00	-16.19	100	330	Peak	Horizontal	

CH 36 (Vertical) Peak



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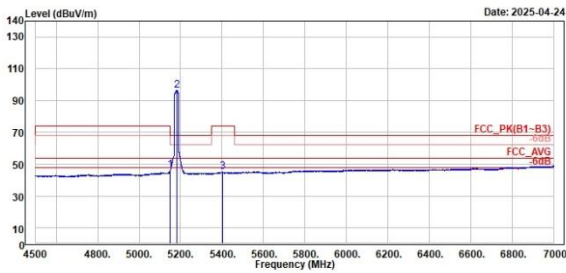
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5149.50	67.24	24.15	43.09	74.00	-6.76	171	183	Peak	Vertical	
2 *	5180.00	115.03	71.74	43.29	68.20	46.83	171	183	Peak	Vertical	
3	5445.50	57.91	14.06	43.85	74.00	-16.09	171	183	Peak	Vertical	

802.11ac VHT20

CH 36 (Horizontal) Average



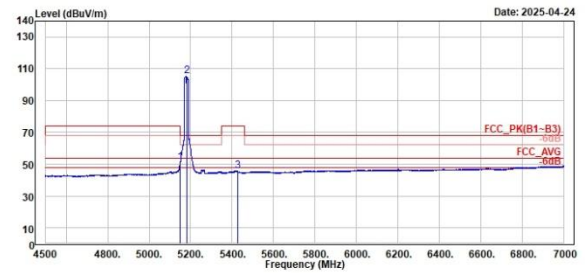
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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5150.00	46.17	3.08	43.09	54.00	-7.83	100	330	Average	Horizontal	
2 *	5180.00	96.50	53.21	43.29	54.00	42.50	100	330	Average	Horizontal	
3	5402.50	45.05	0.98	44.07	54.00	-8.95	100	330	Average	Horizontal	



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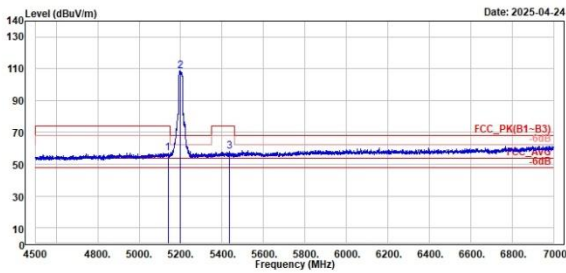
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5150.00	50.86	7.77	43.09	54.00	-3.14	171	183	Average	Vertical	
2 *	5180.00	105.19	61.90	43.29	54.00	51.19	171	183	Average	Vertical	
3	5426.00	45.79	1.85	43.94	54.00	-8.21	171	183	Average	Vertical	

802.11ac VHT20

CH 40 (Horizontal) Peak



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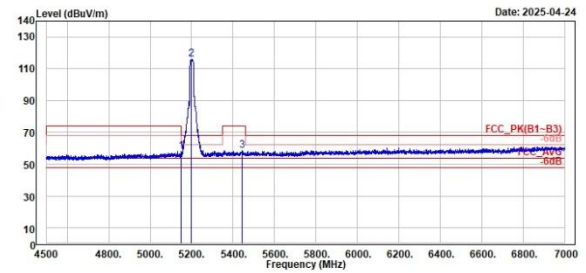


	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5139.00	56.98	13.90	43.08	74.00	-17.02	113	61	Peak	Horizontal	
2 *	5200.00	105.44	65.01	43.43	68.20	40.24	113	61	Peak	Horizontal	
3	5435.50	57.80	13.90	43.90	74.00	-16.20	113	61	Peak	Horizontal	

CH 40 (Vertical) Peak



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	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	5149.00	57.97	14.88	43.09	74.00	-16.03	272	346	Peak	Vertical	
2 *	5200.00	115.94	72.51	43.43	68.20	47.74	272	346	Peak	Vertical	
3	5442.00	58.74	14.88	43.86	74.00	-15.26	272	346	Peak	Vertical	