

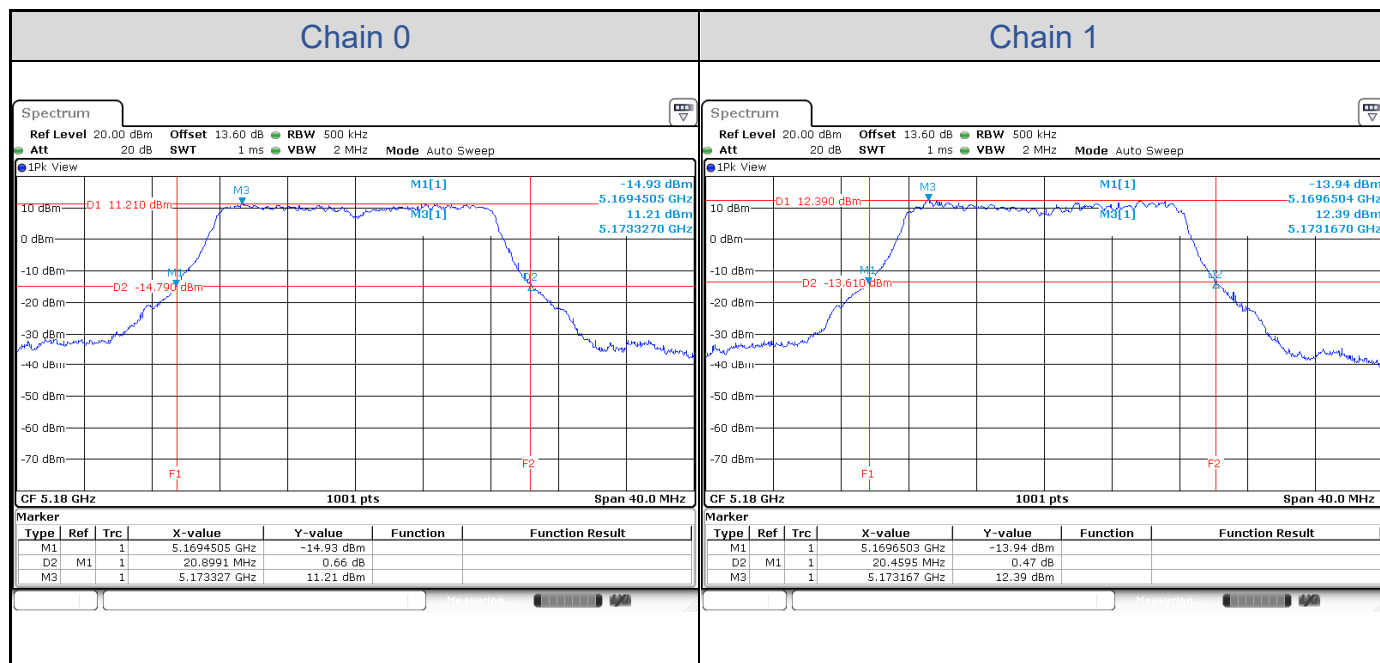
Appendix E: Test Results of Conducted Test (PINE_Omni antenna)

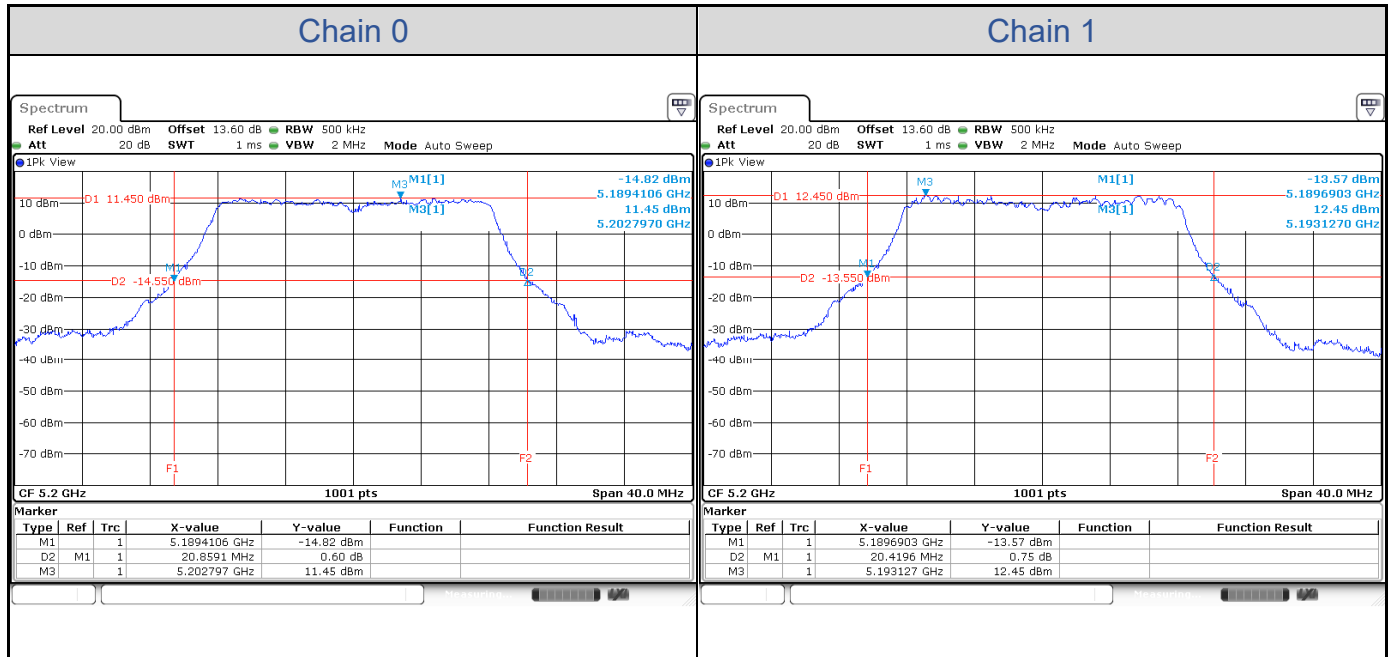
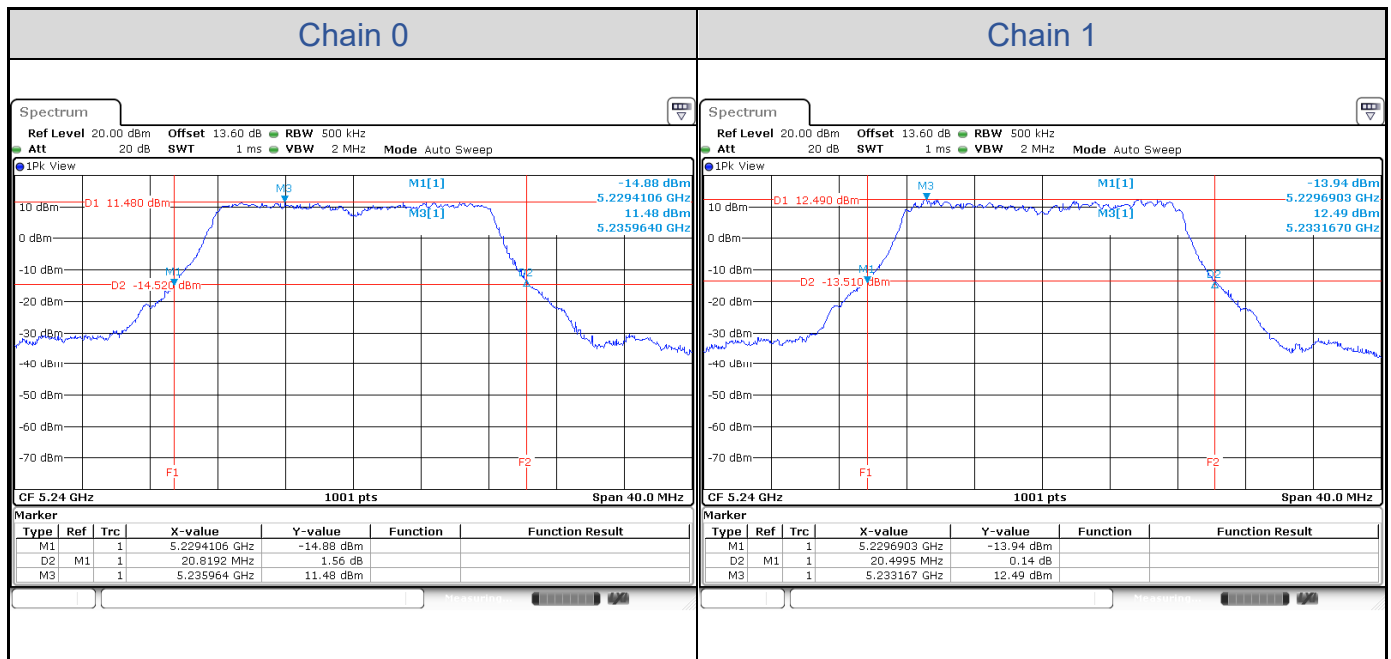
Test Result of 26 dB Bandwidth

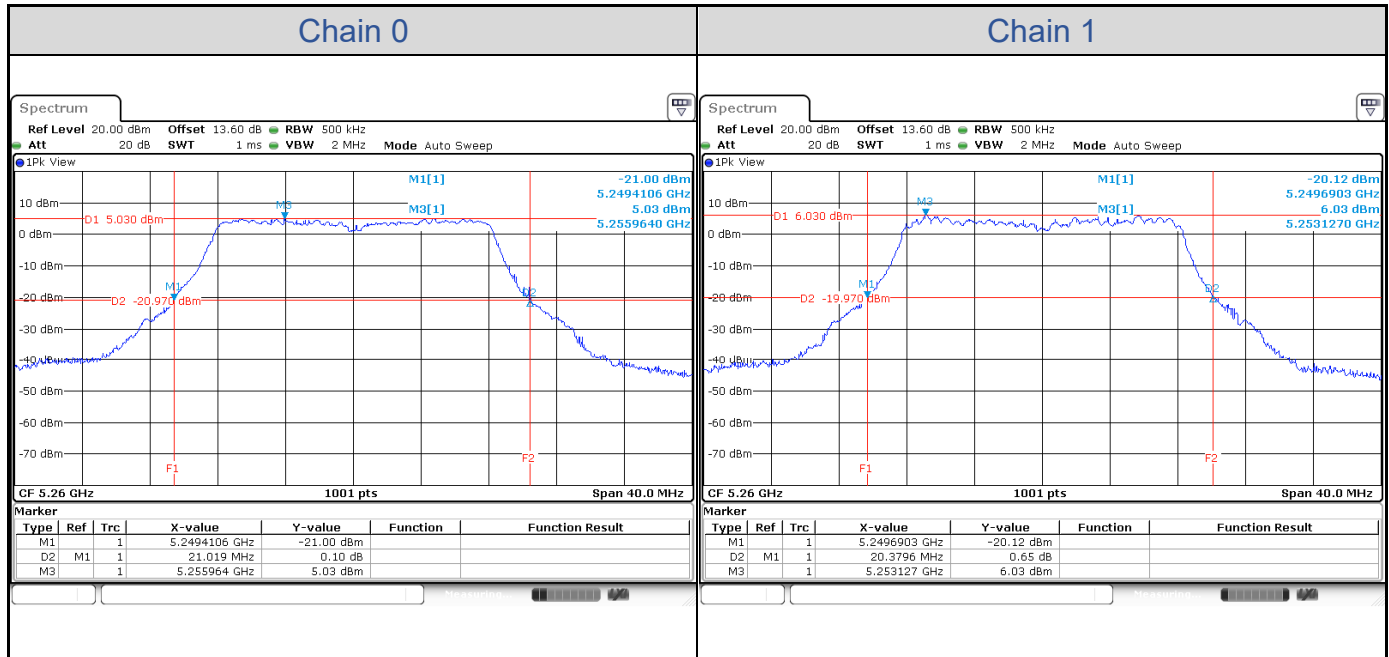
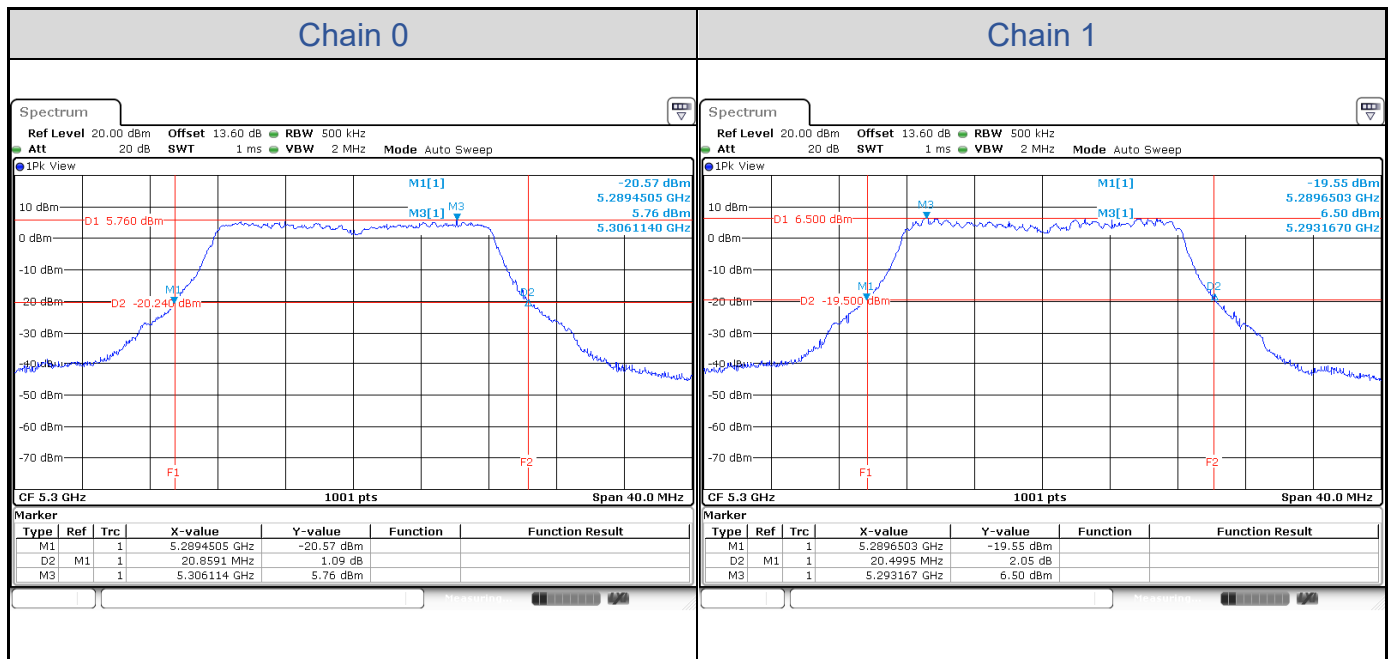
802.11a

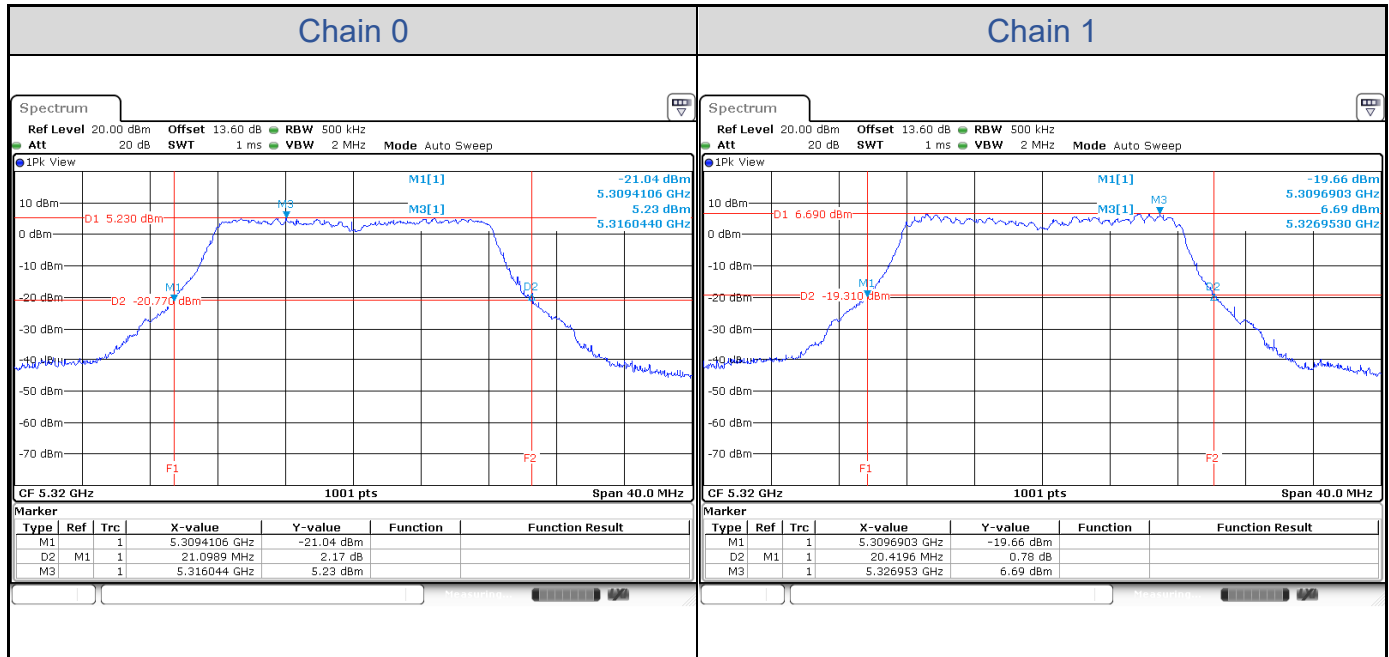
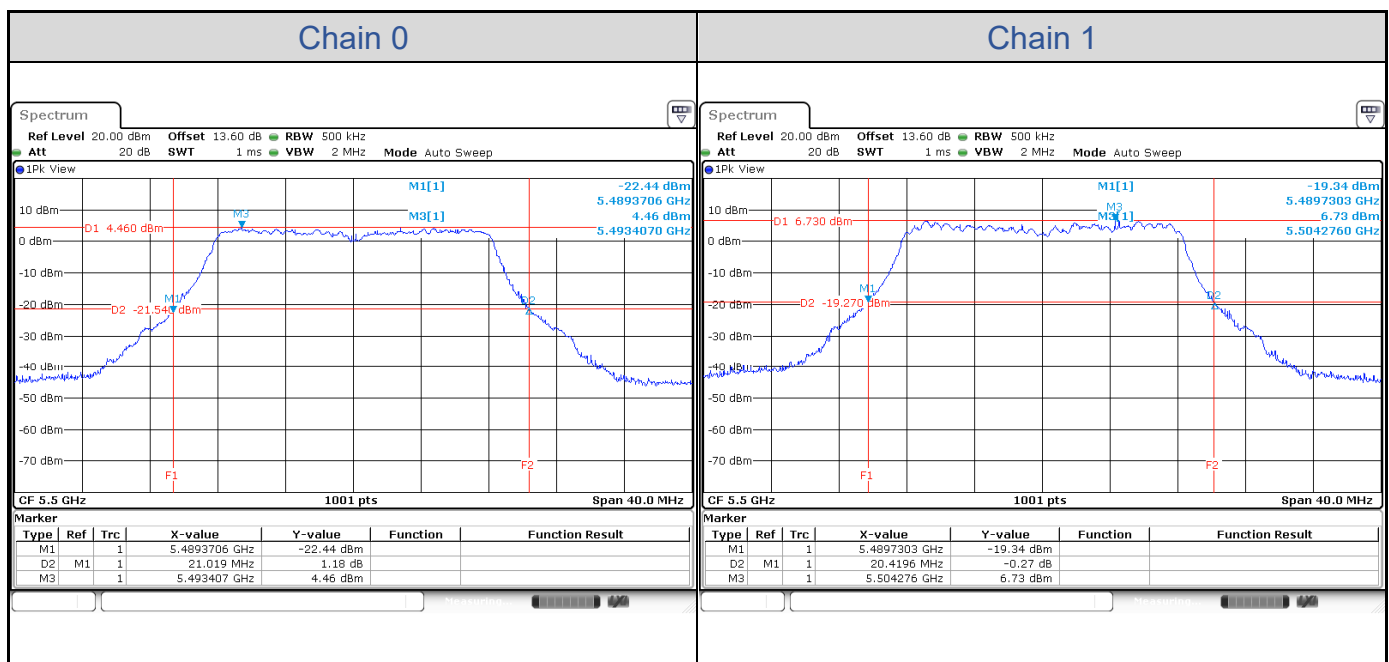
Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	20.90	20.46
	40	5200	20.86	20.42
	48	5240	20.82	20.50
U-NII-2A	52	5260	21.02	20.38
	60	5300	20.86	20.50
	64	5320	21.10	20.42
U-NII-2C	100	5500	21.02	20.42
	116	5580	21.02	20.42
	140	5700	21.06	20.50

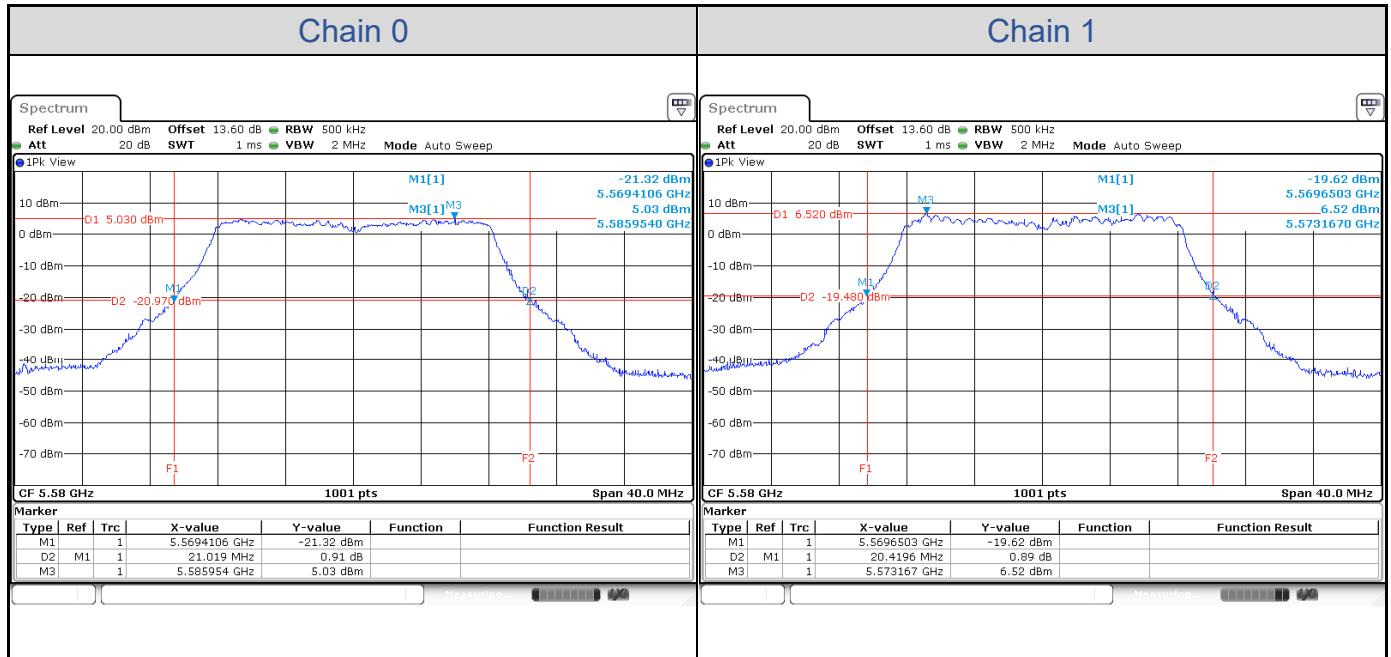
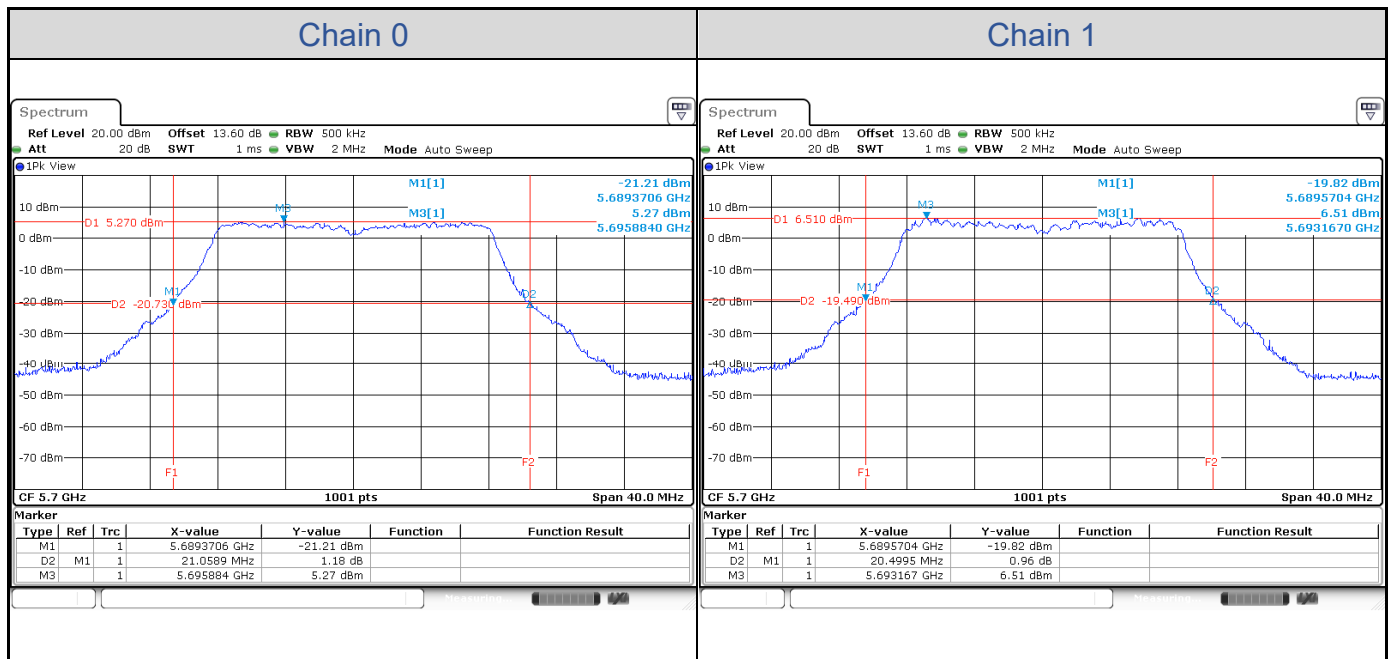
802.11a-Channel 36



802.11a-Channel 40

802.11a-Channel 48


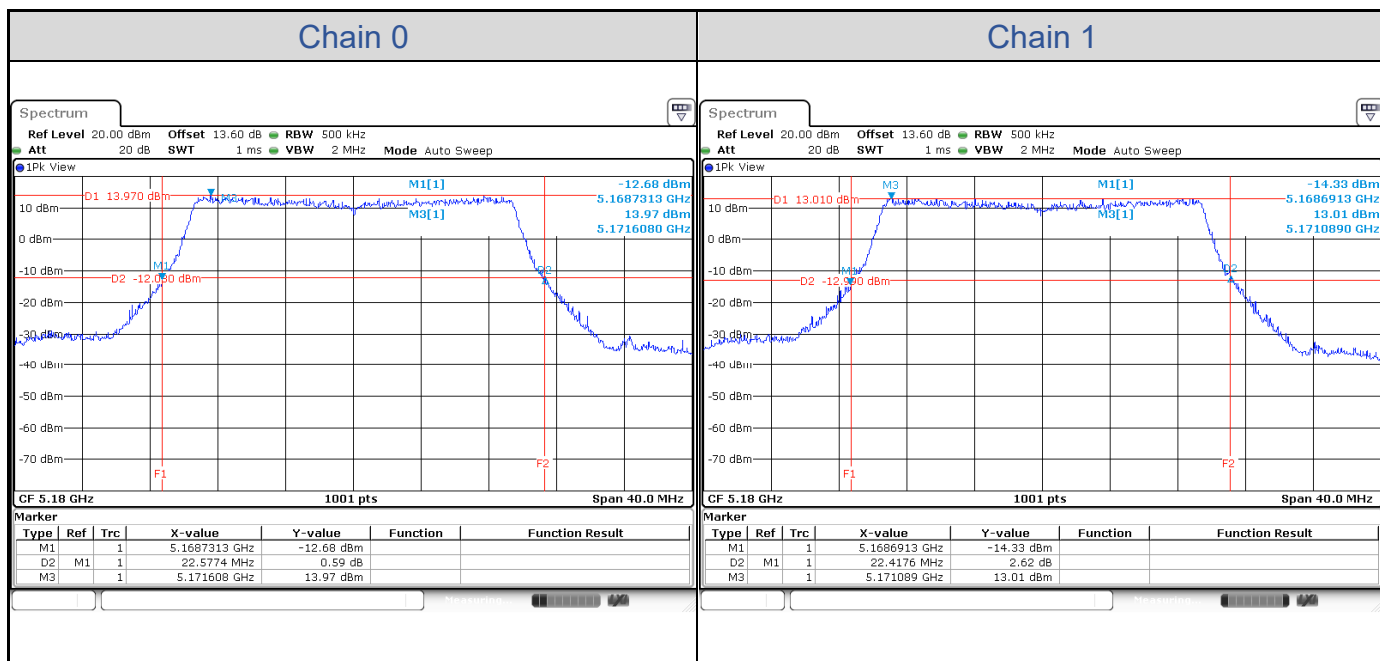
802.11a-Channel 52

802.11a-Channel 60


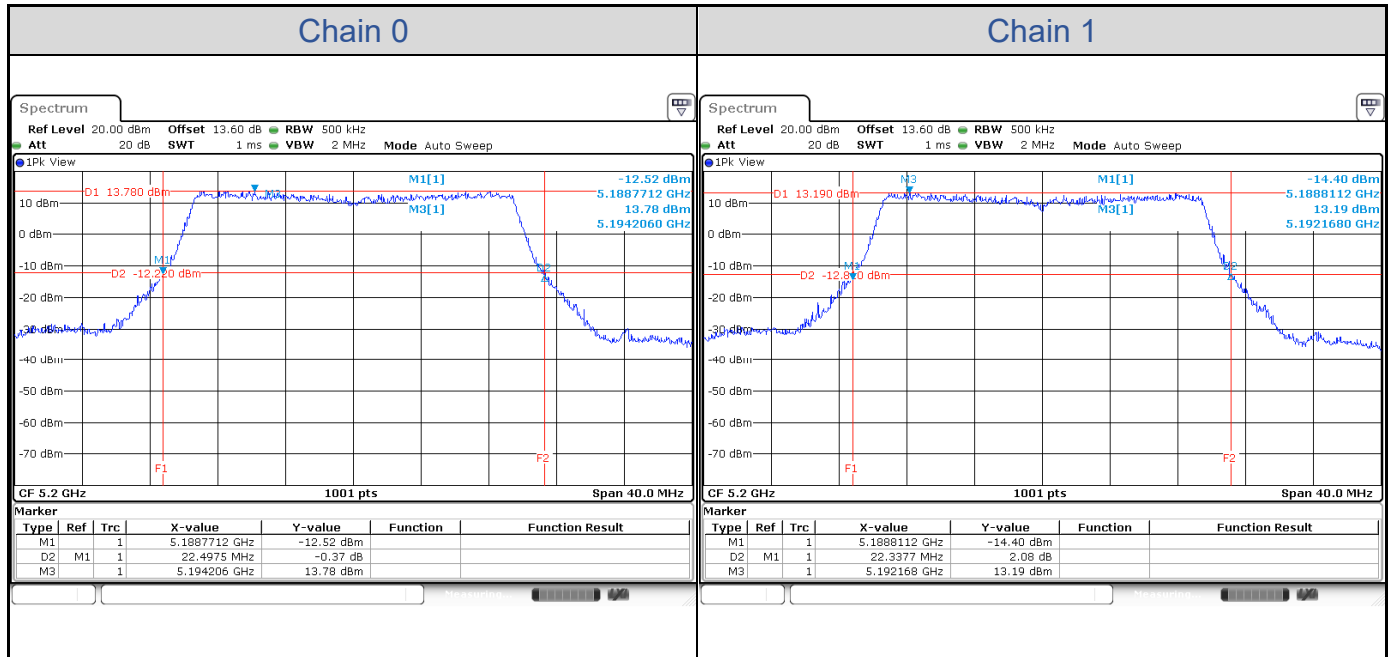
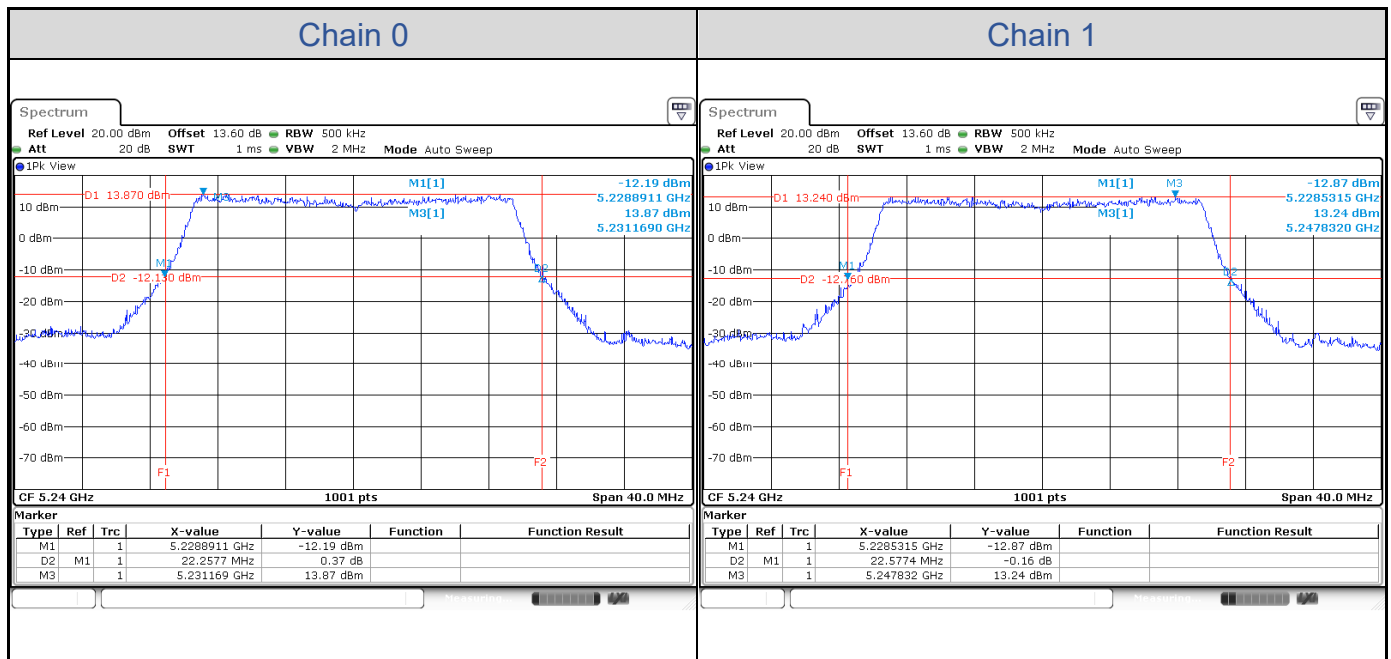
802.11a-Channel 64

802.11a-Channel 100


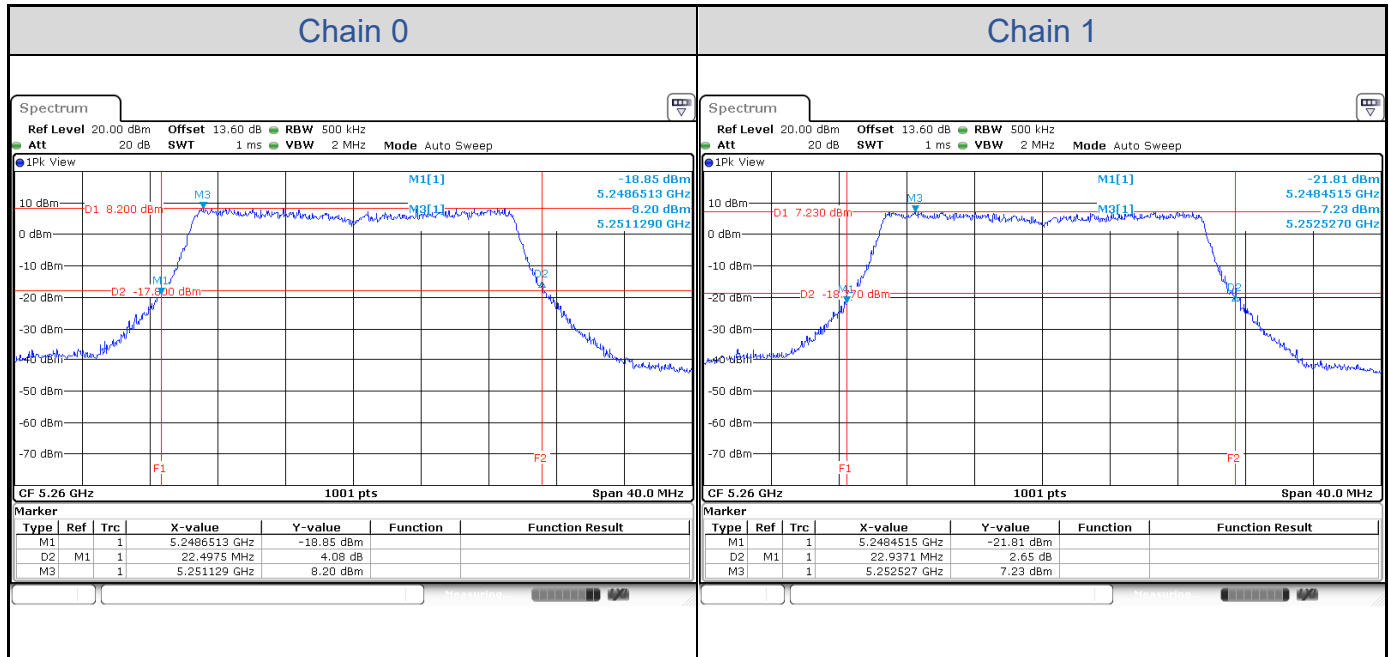
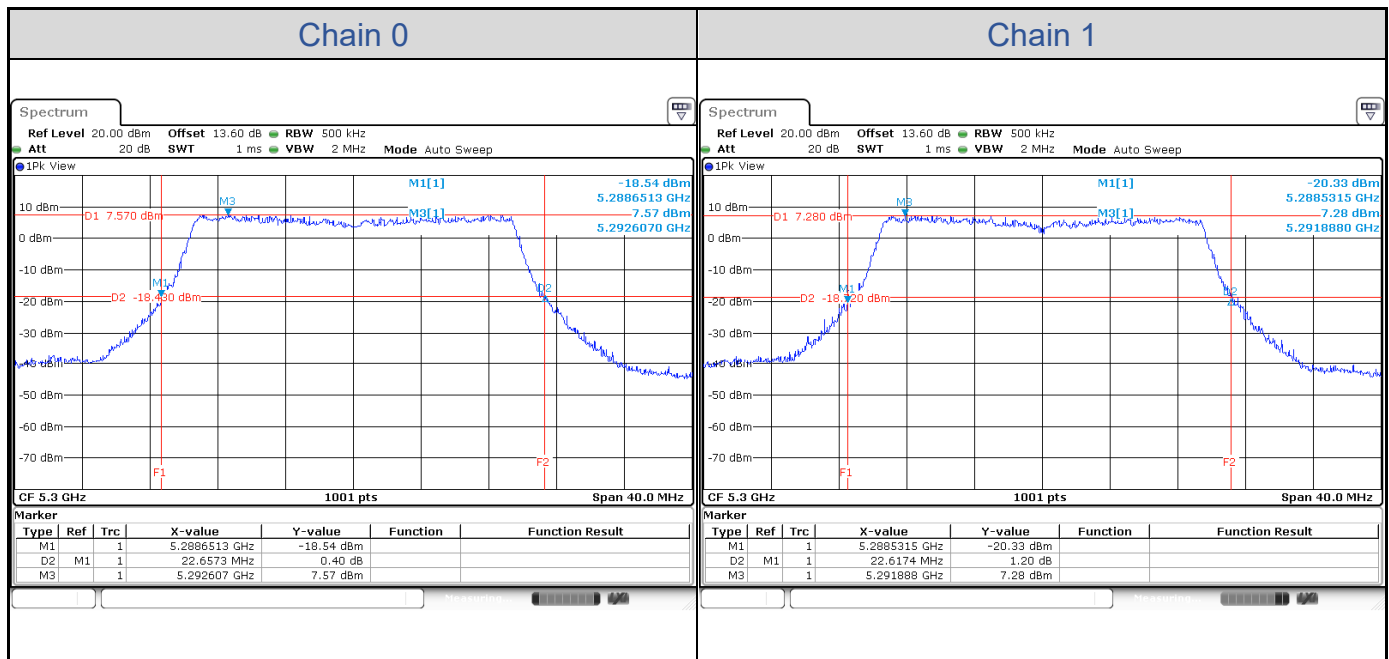
802.11a-Channel 116

802.11a-Channel 140


802.11ax HE20

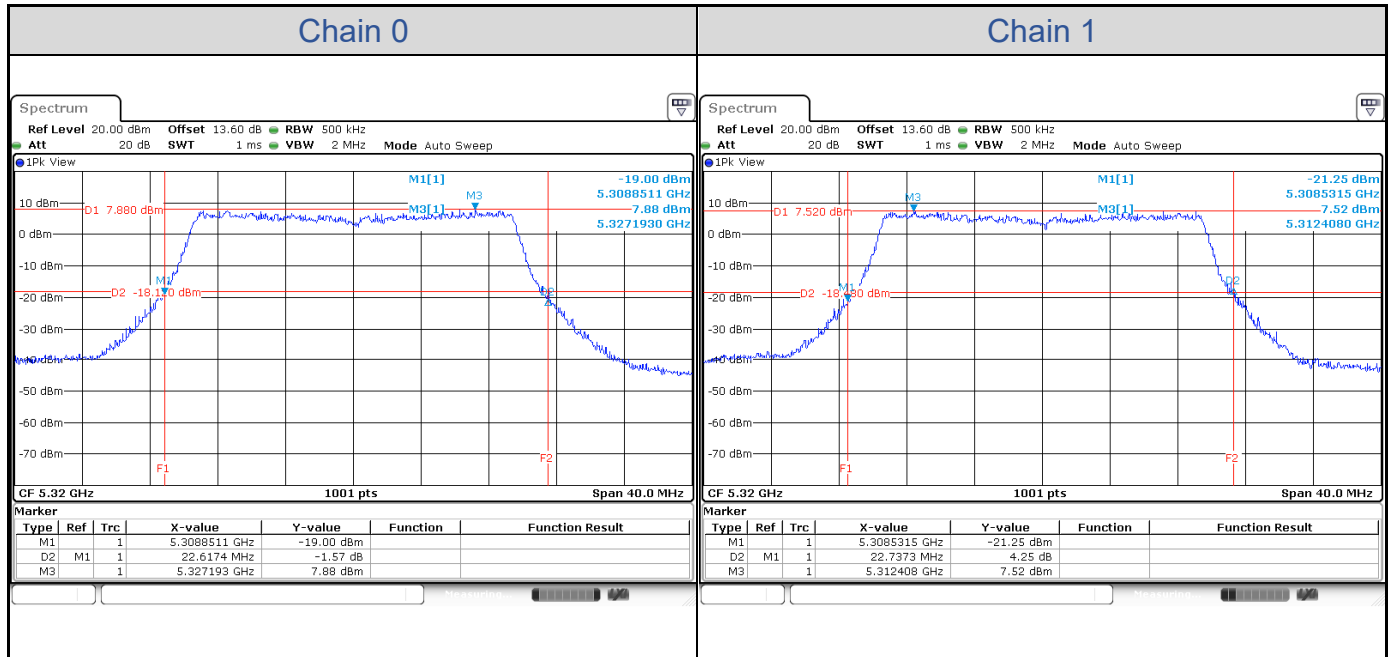
Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	22.58	22.42
	40	5200	22.50	22.34
	48	5240	22.26	22.58
U-NII-2A	52	5260	22.50	22.94
	60	5300	22.66	22.62
	64	5320	22.62	22.74
U-NII-2C	100	5500	22.42	22.38
	116	5580	22.38	22.34
	140	5700	22.54	22.82

802.11ax HE20-Channel 36


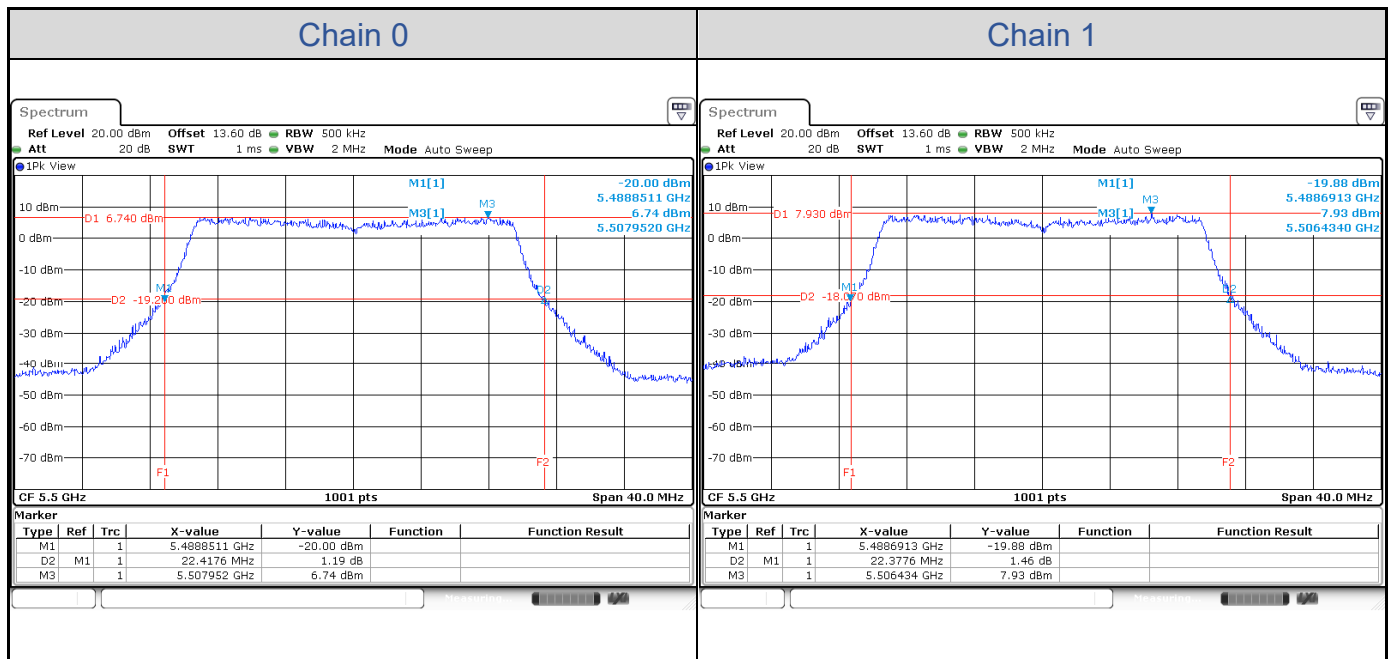
802.11ax HE20-Channel 40

802.11ax HE20-Channel 48


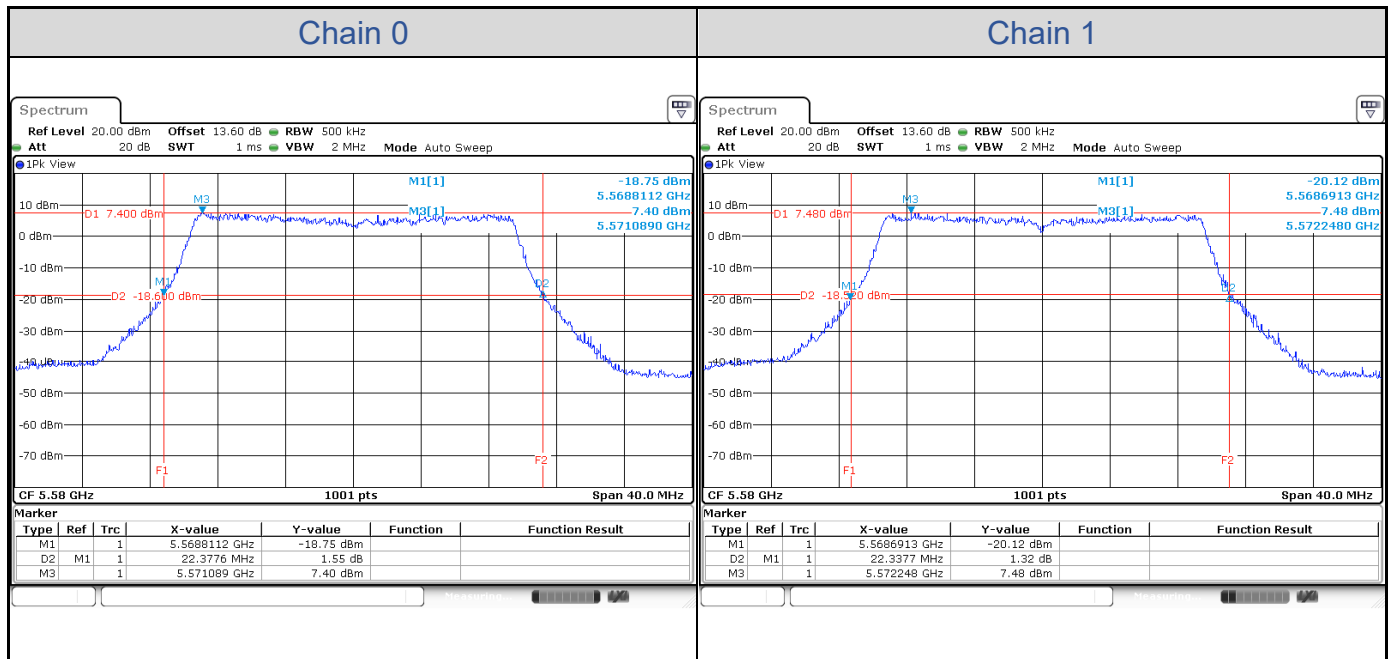
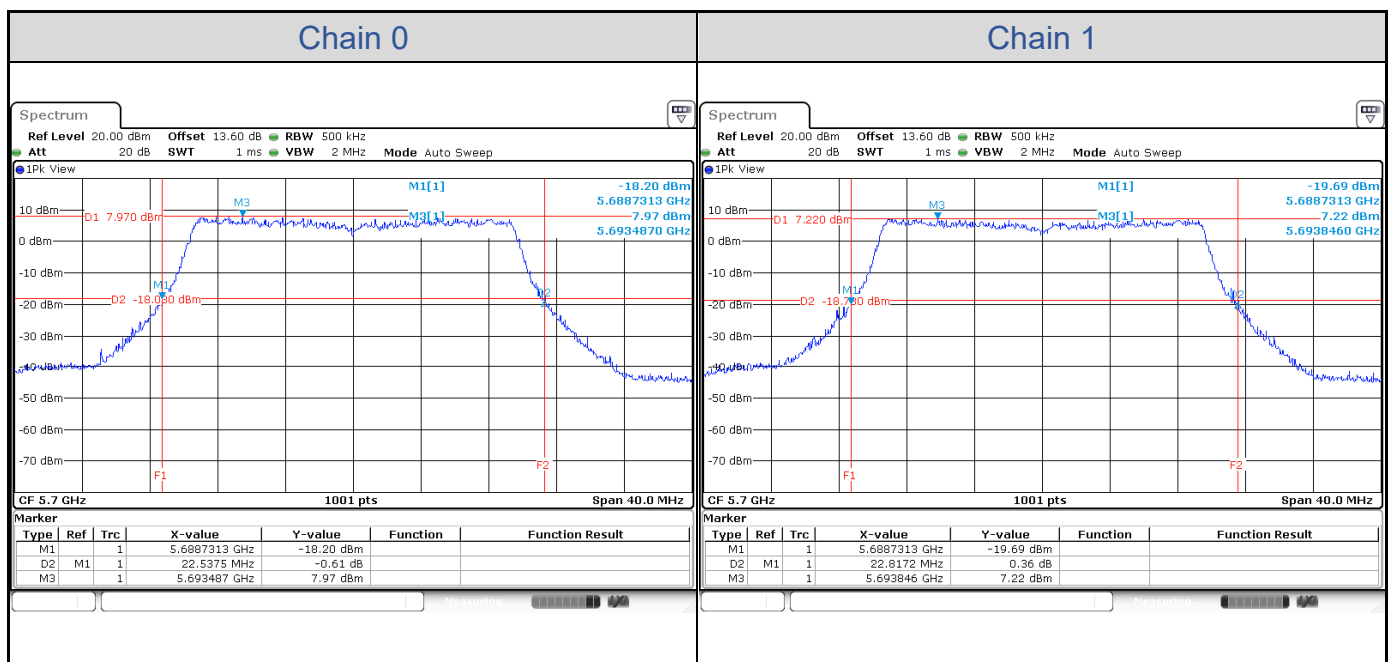
802.11ax HE20-Channel 52

802.11ax HE20-Channel 60


802.11ax HE20-Channel 64



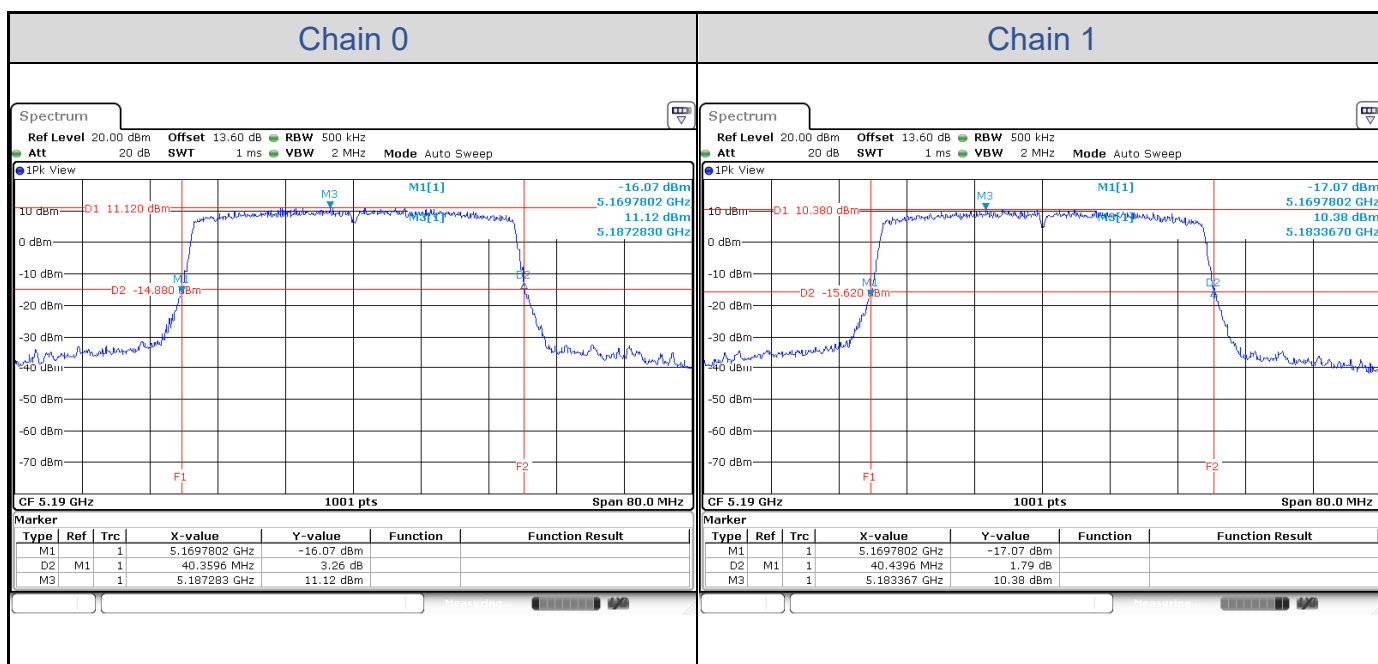
802.11ax HE20-Channel 100

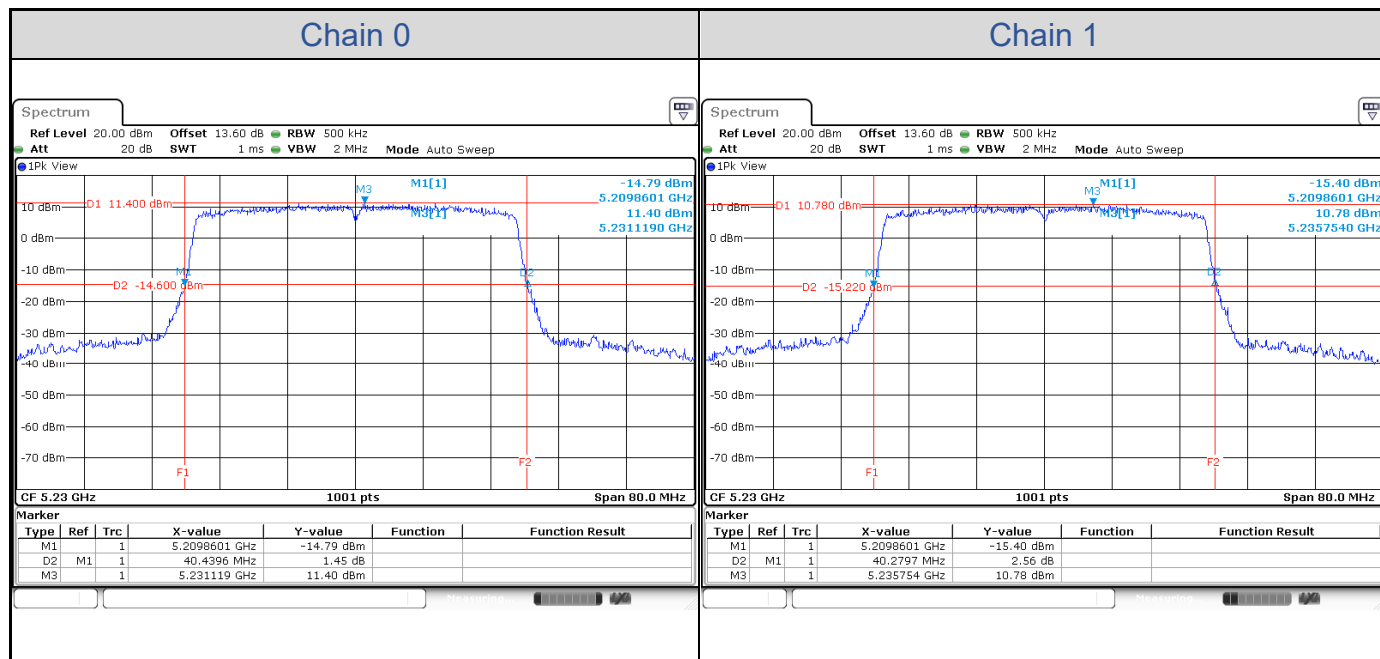
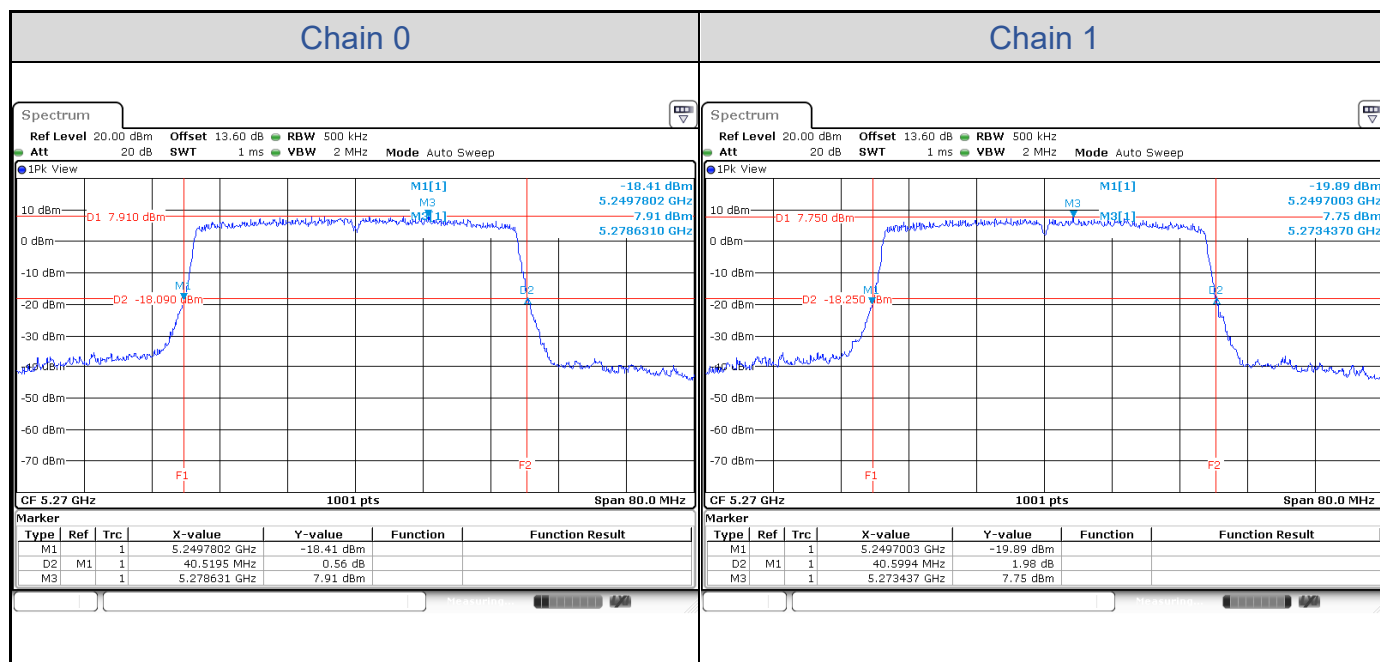


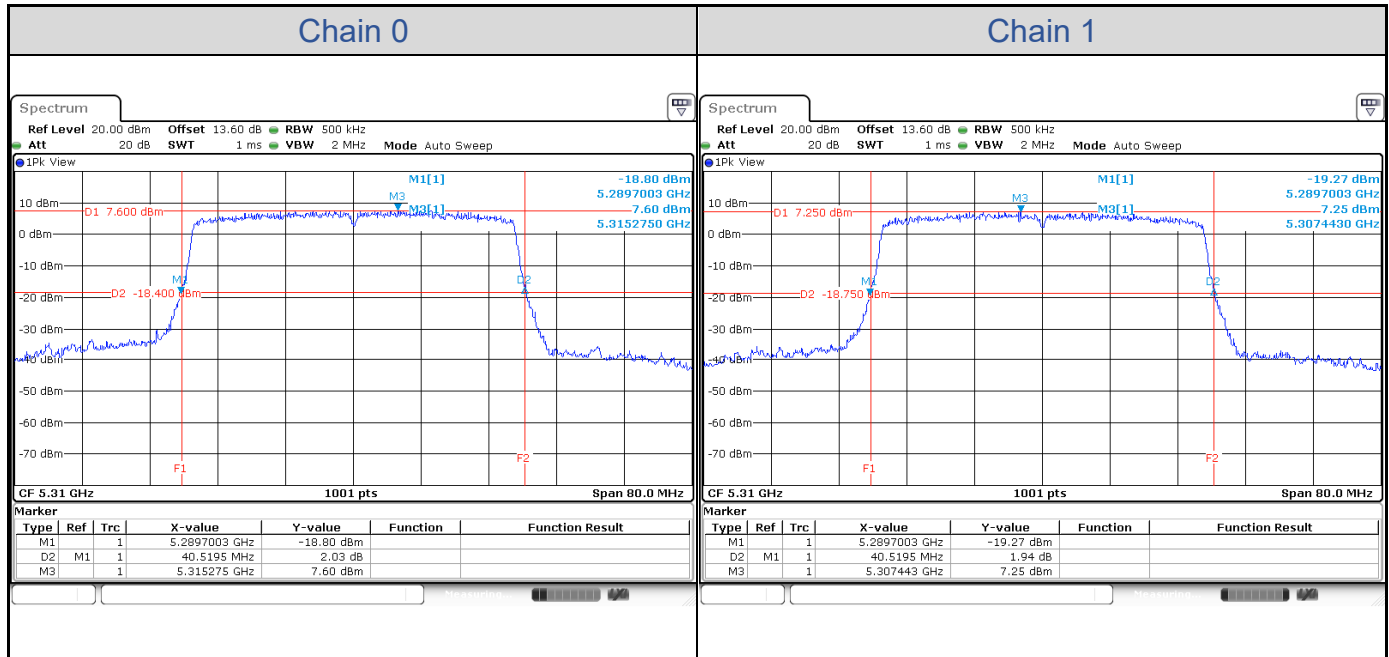
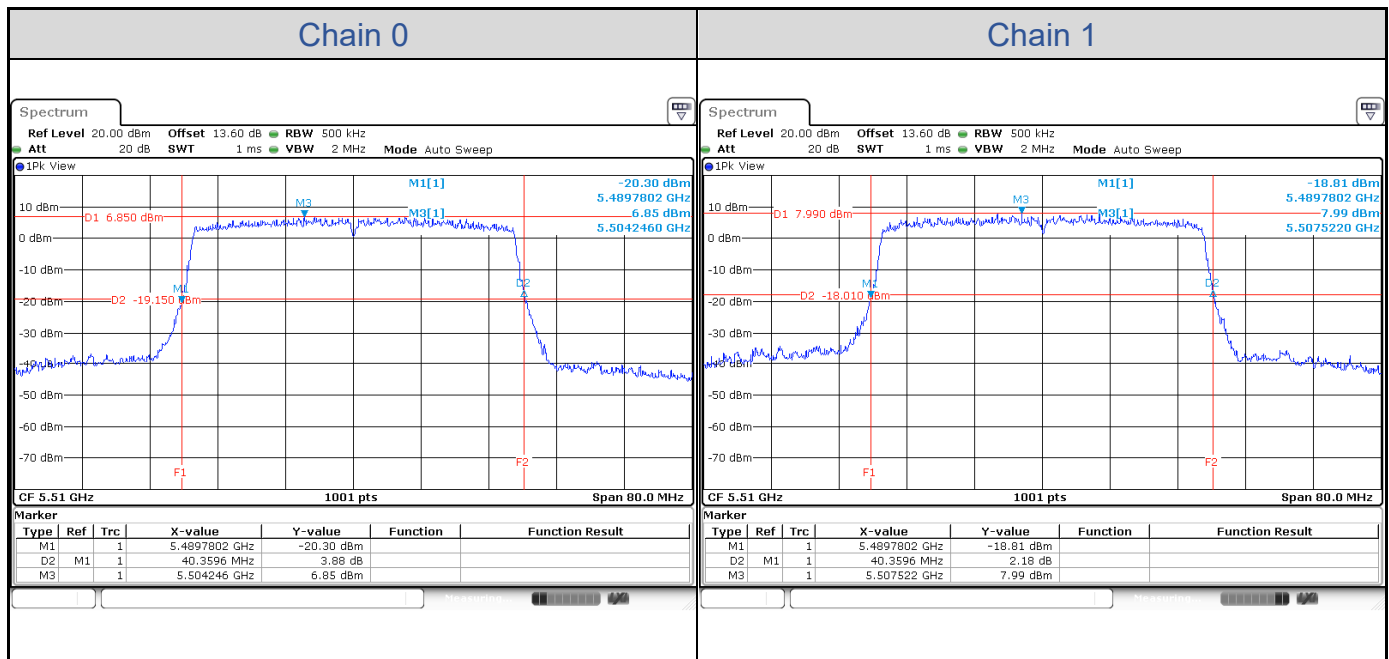
802.11ax HE20-Channel 116

802.11ax HE20-Channel 140


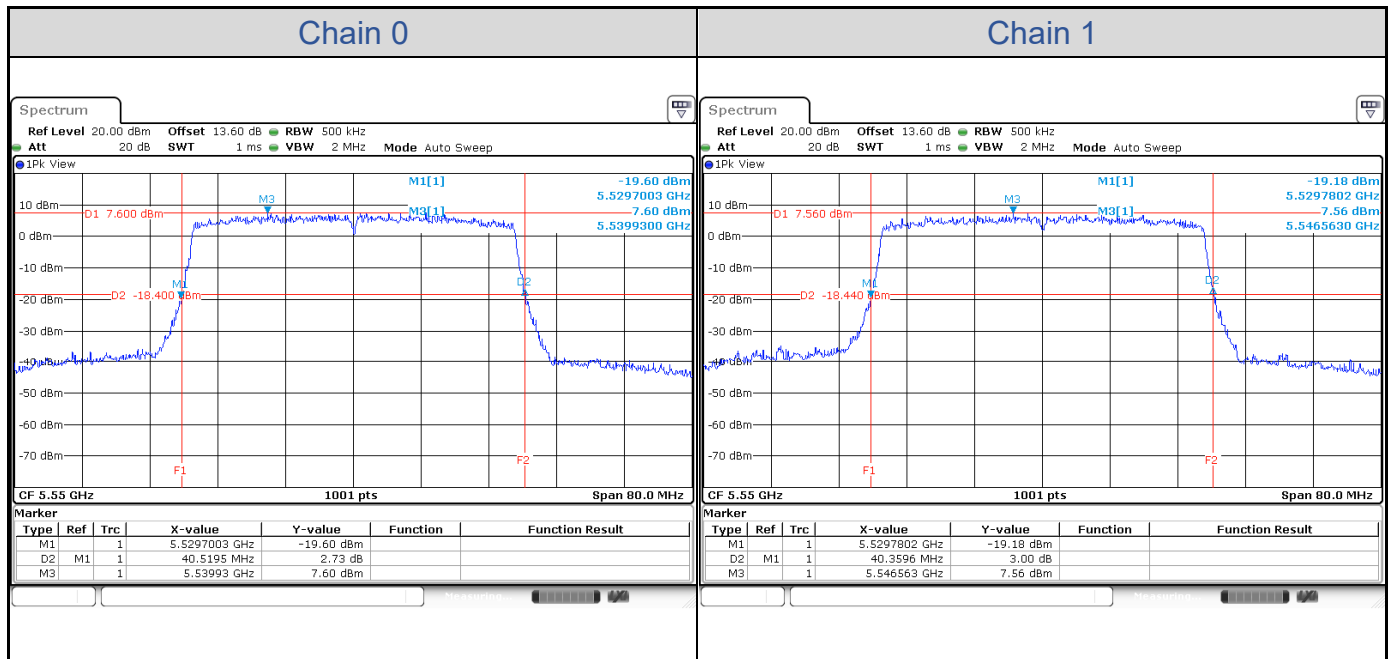
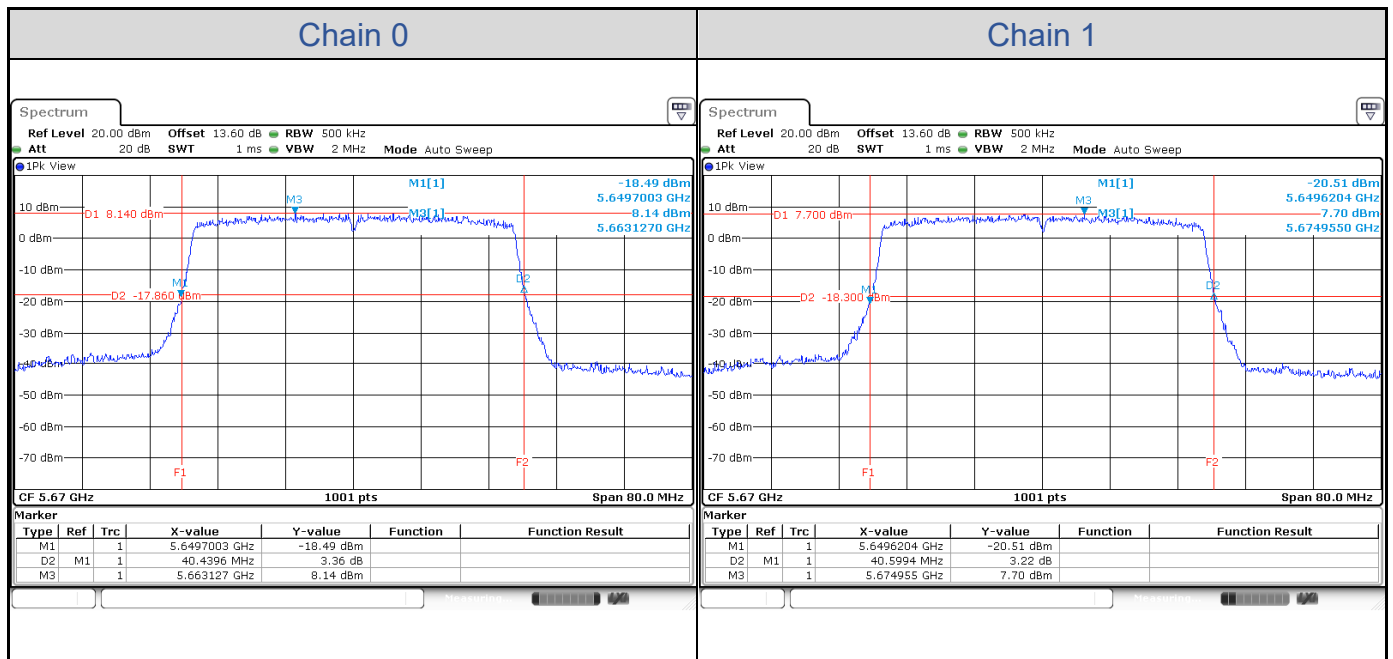
802.11ax HE40

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	38	5190	40.36	40.44
	46	5230	40.44	40.28
U-NII-2A	54	5270	40.52	40.60
	62	5310	40.52	40.52
U-NII-2C	102	5510	40.36	40.36
	110	5500	40.52	40.36
	134	5670	40.44	40.60

802.11ax HE40-Channel 38


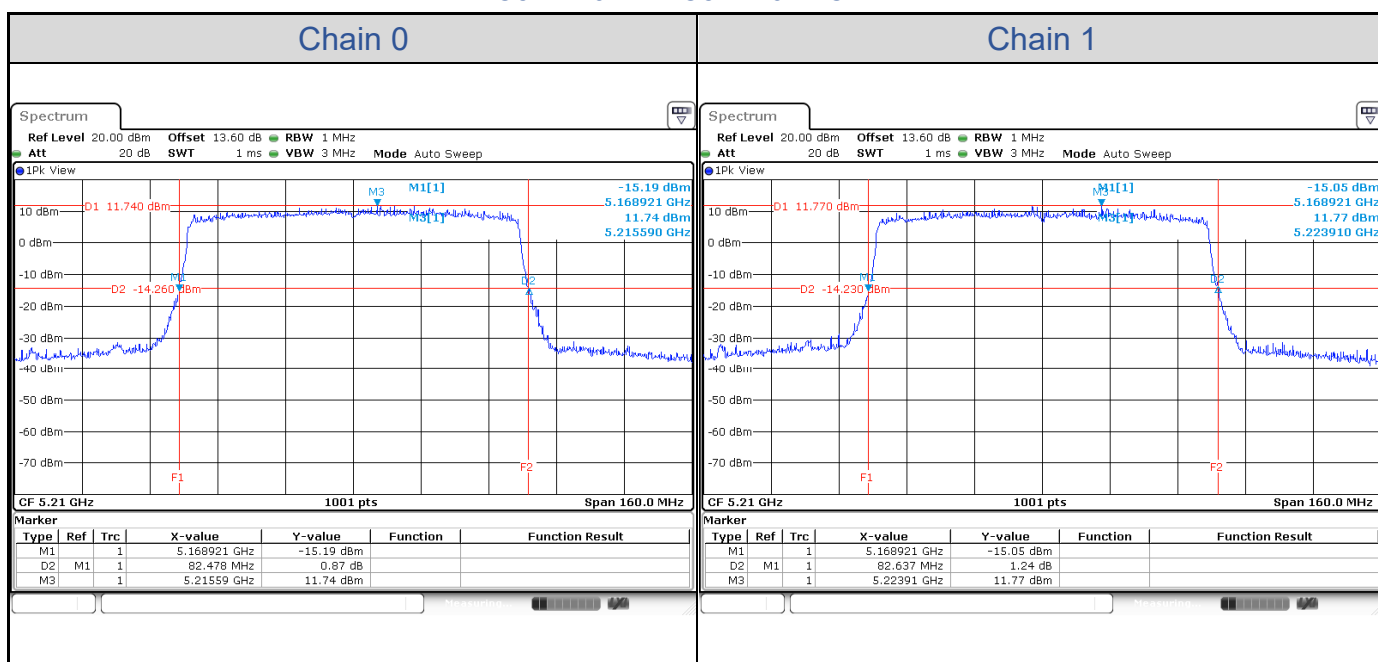
802.11ax HE40-Channel 46

802.11ax HE40-Channel 54


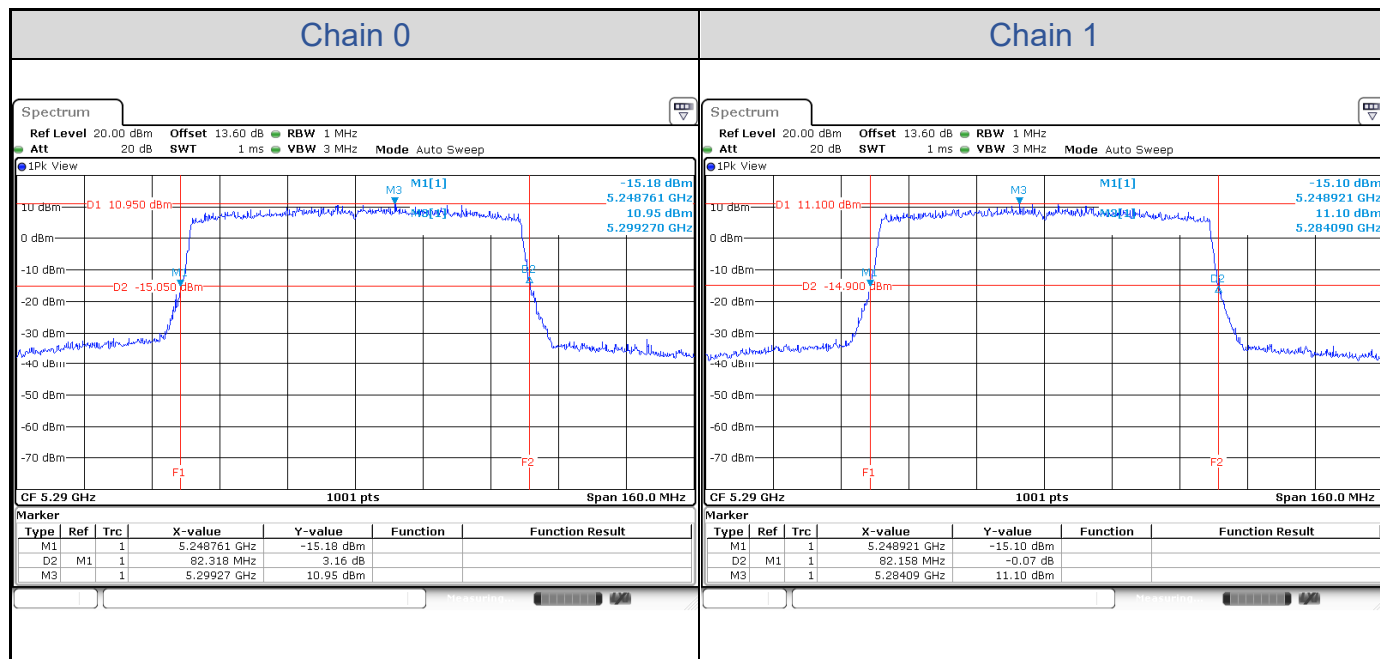
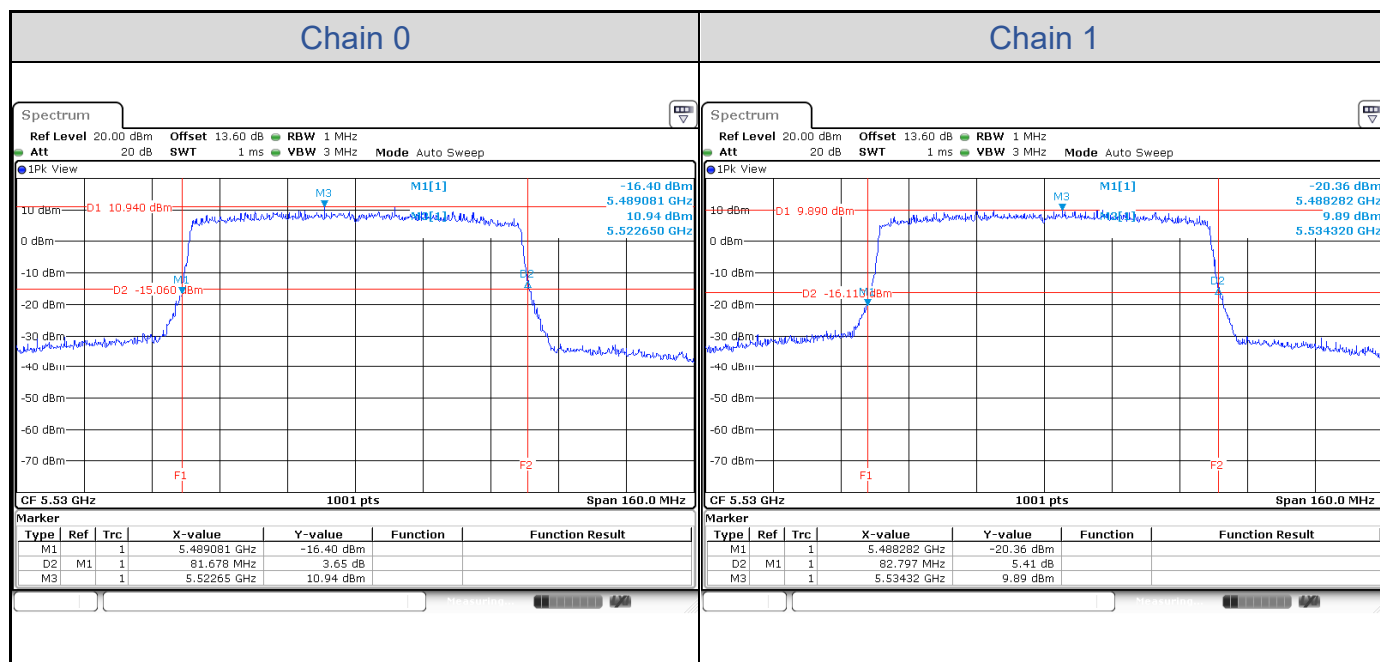
802.11ax HE40-Channel 62

802.11ax HE40-Channel 102


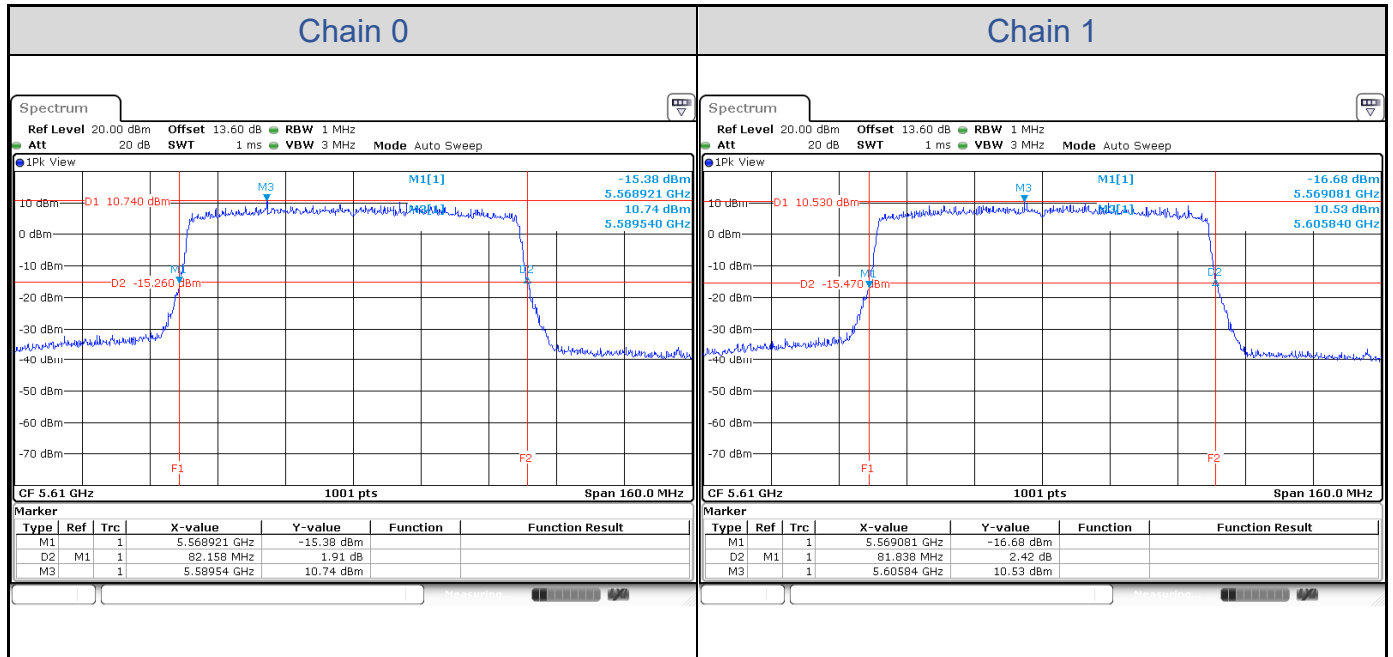
802.11ax HE40-Channel 110

802.11ax HE40-Channel 134


802.11ax HE80

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	42	5210	82.48	82.64
U-NII-2A	58	5290	82.32	82.16
U-NII-2C	106	5530	81.68	82.80
	122	5610	82.16	81.84

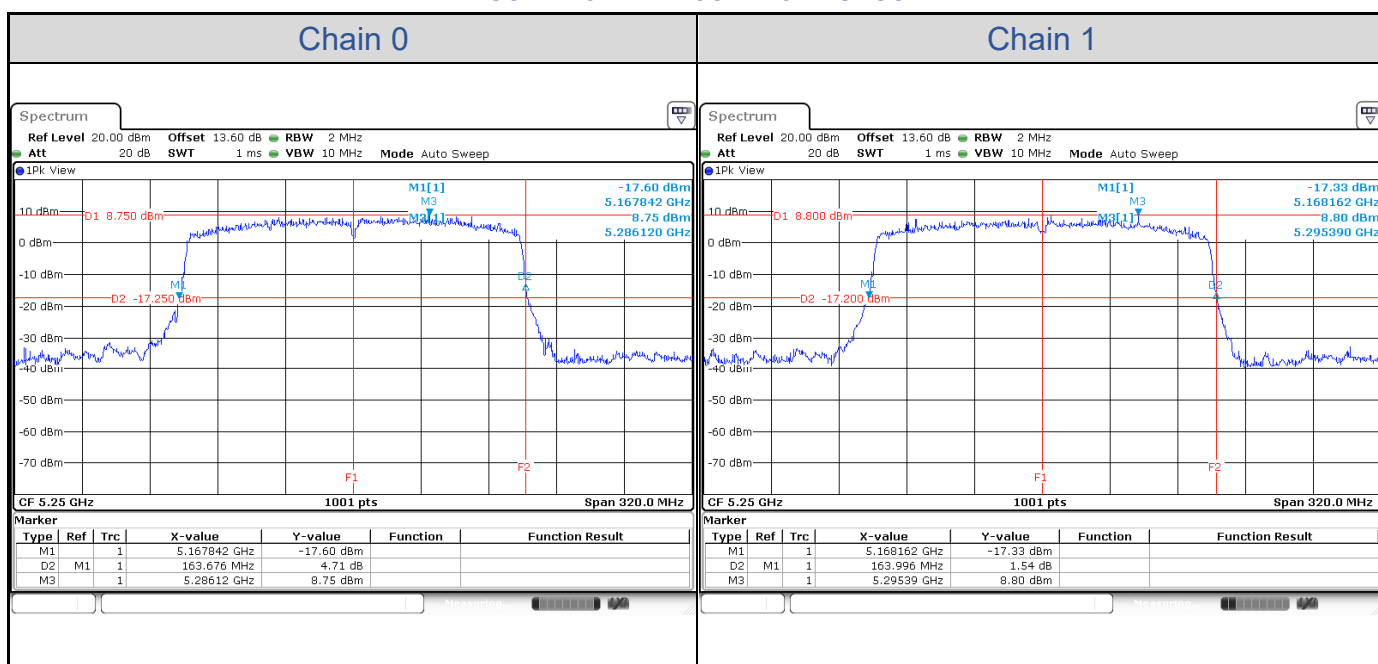
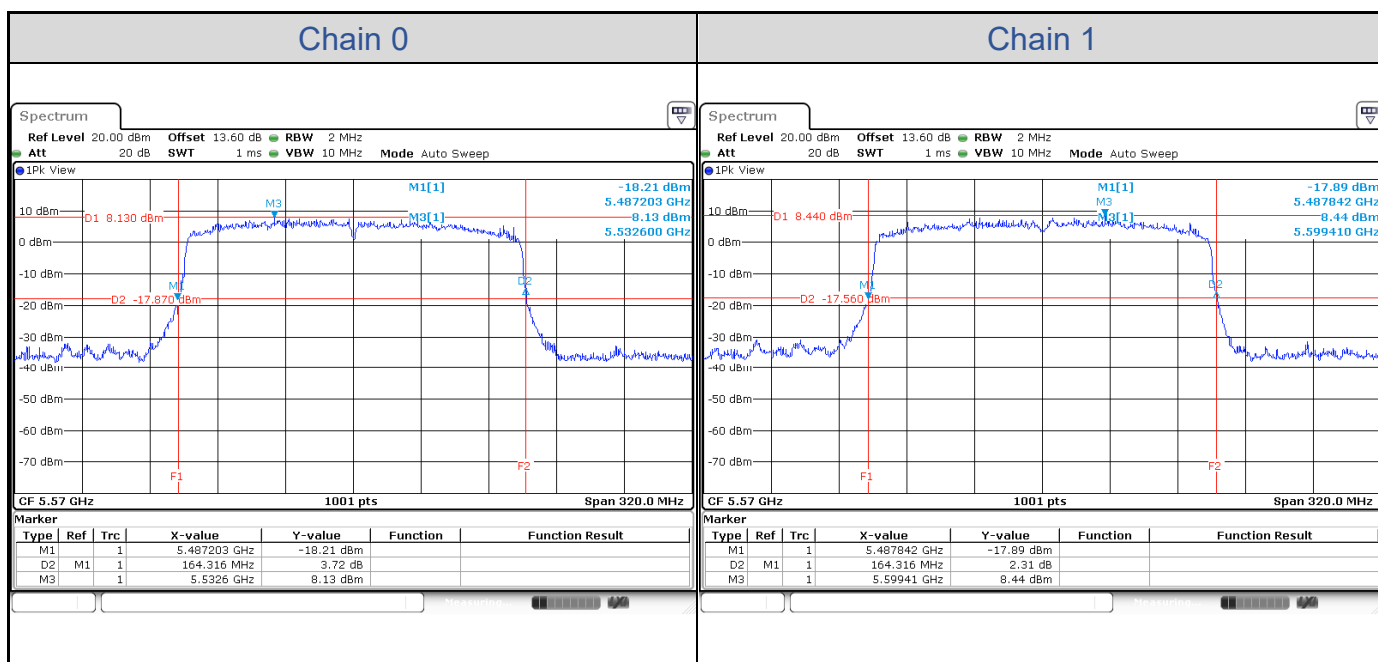
802.11ax HE80-Channel 42


802.11ax HE80-Channel 58

802.11ax HE80-Channel 106


802.11ax HE80-Channel 122


802.11ax HE160

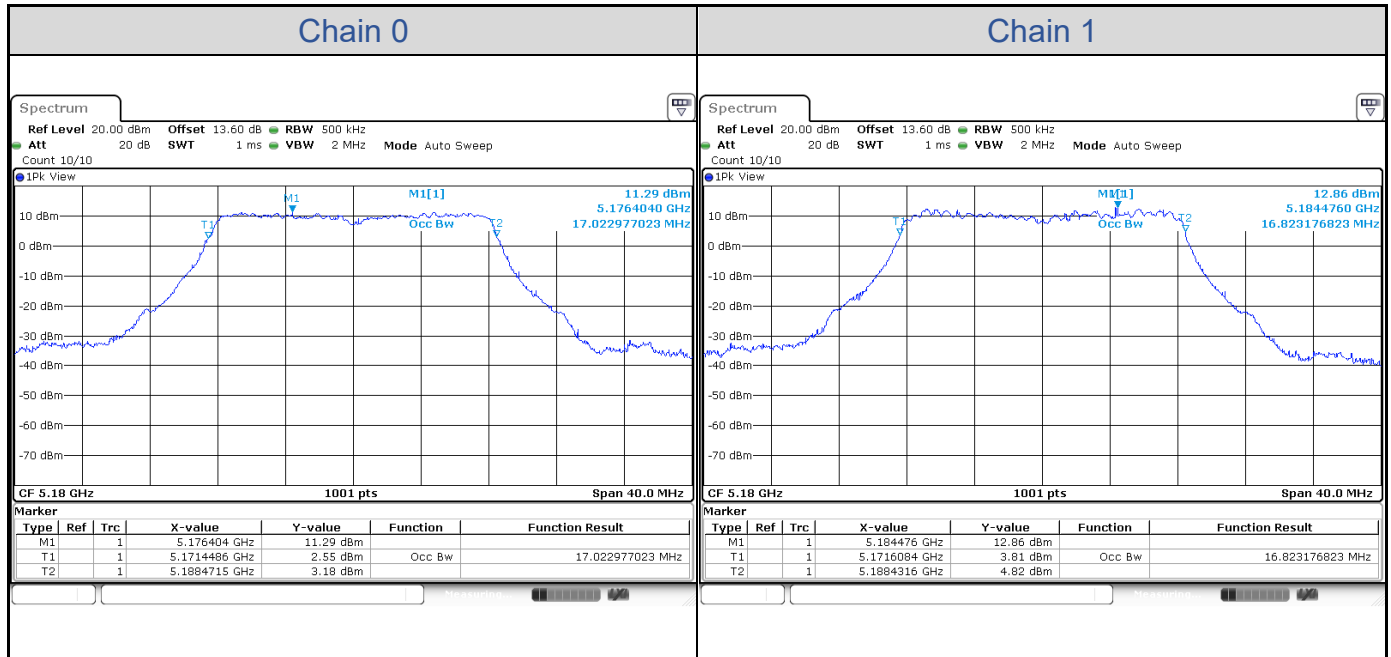
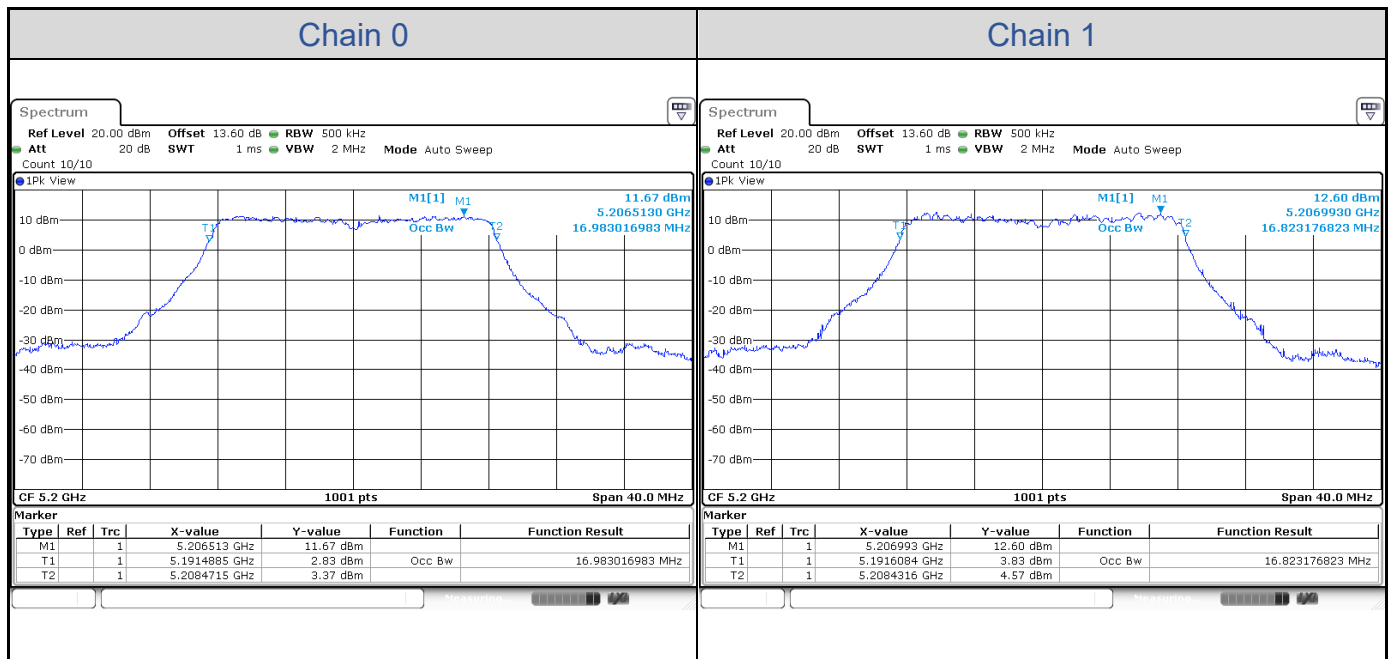
Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	50	5250	82.16	81.84
U-NII-2A	50	5250	81.52	82.16
U-NII-2C	114	5570	164.32	164.32

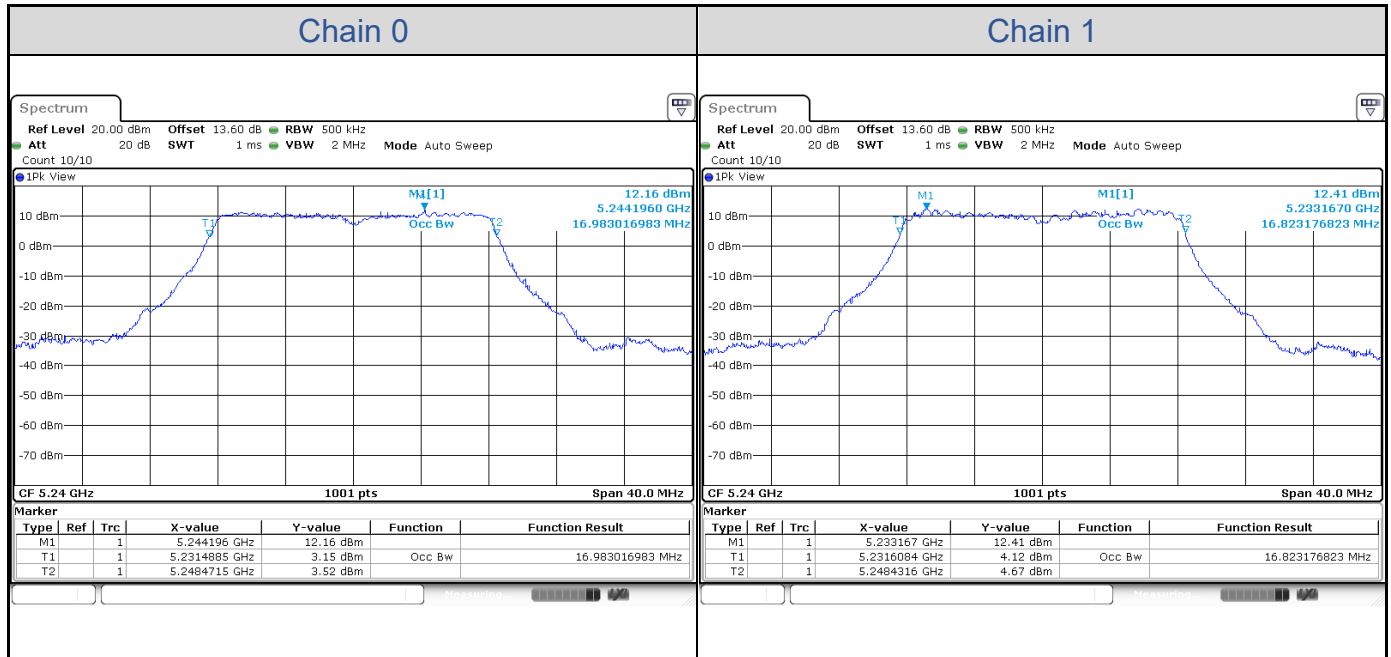
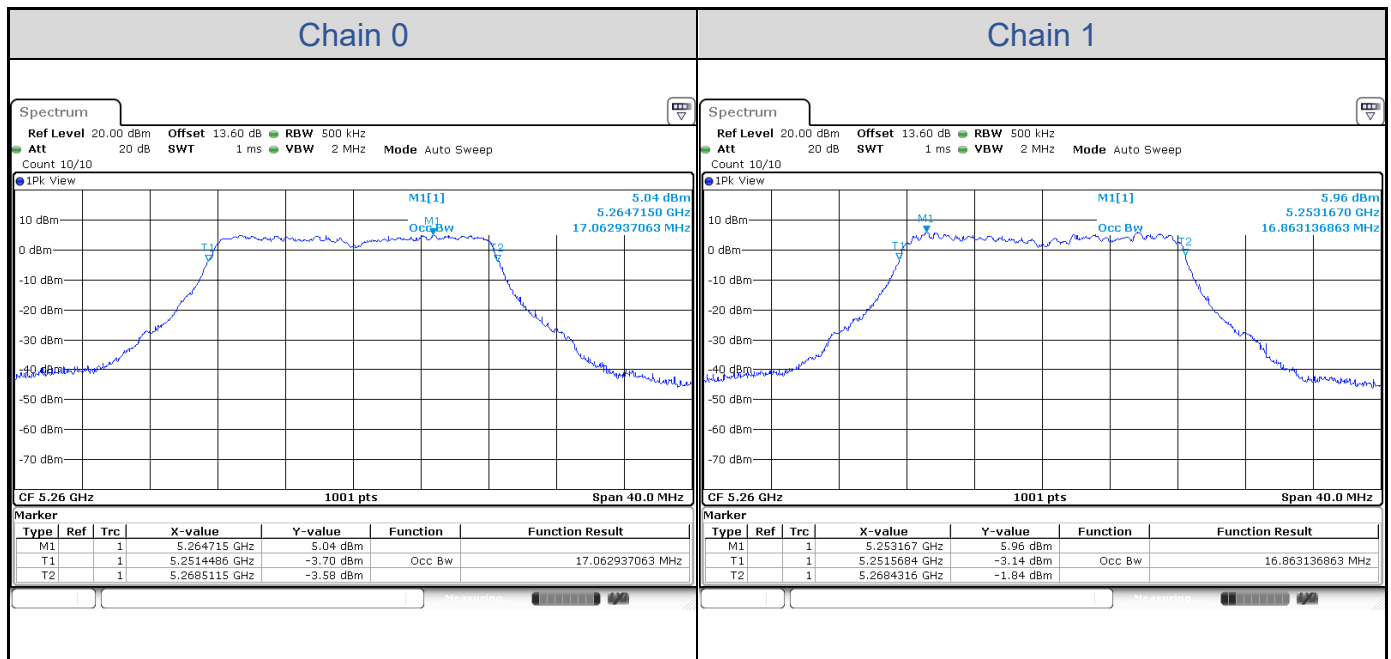
802.11ax HE160-Channel 50

802.11ax HE160-Channel 114


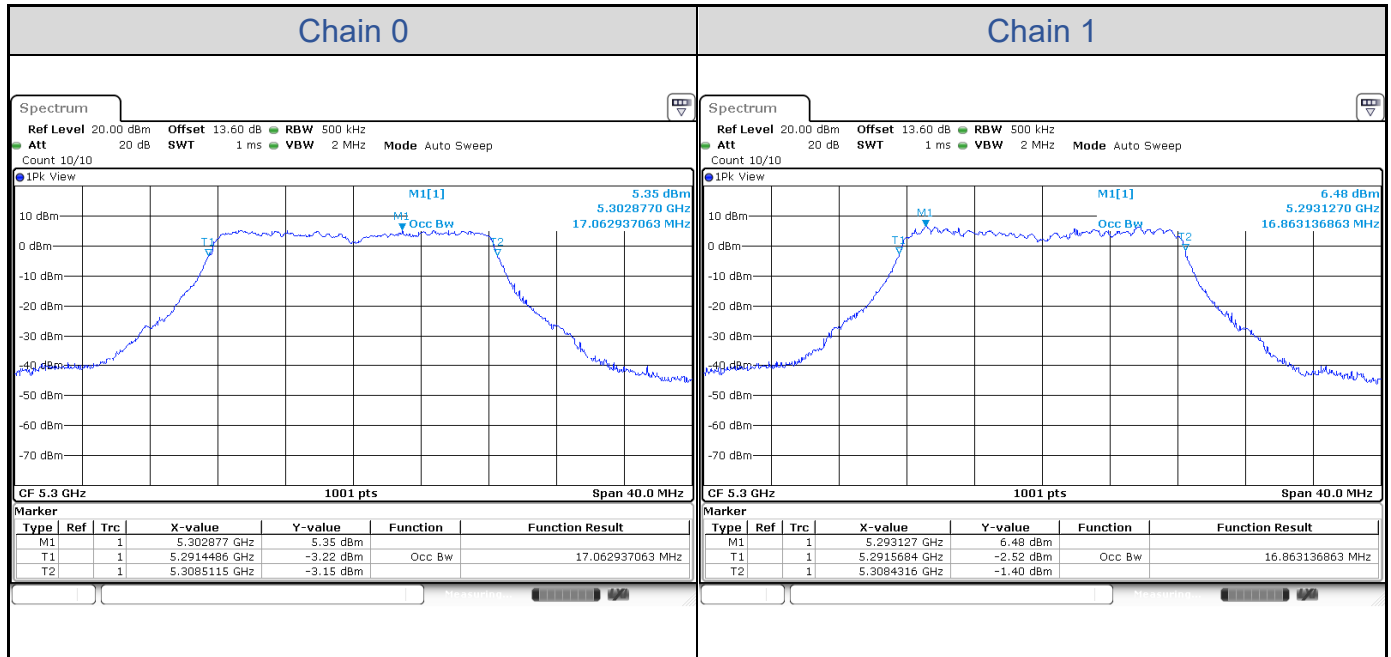
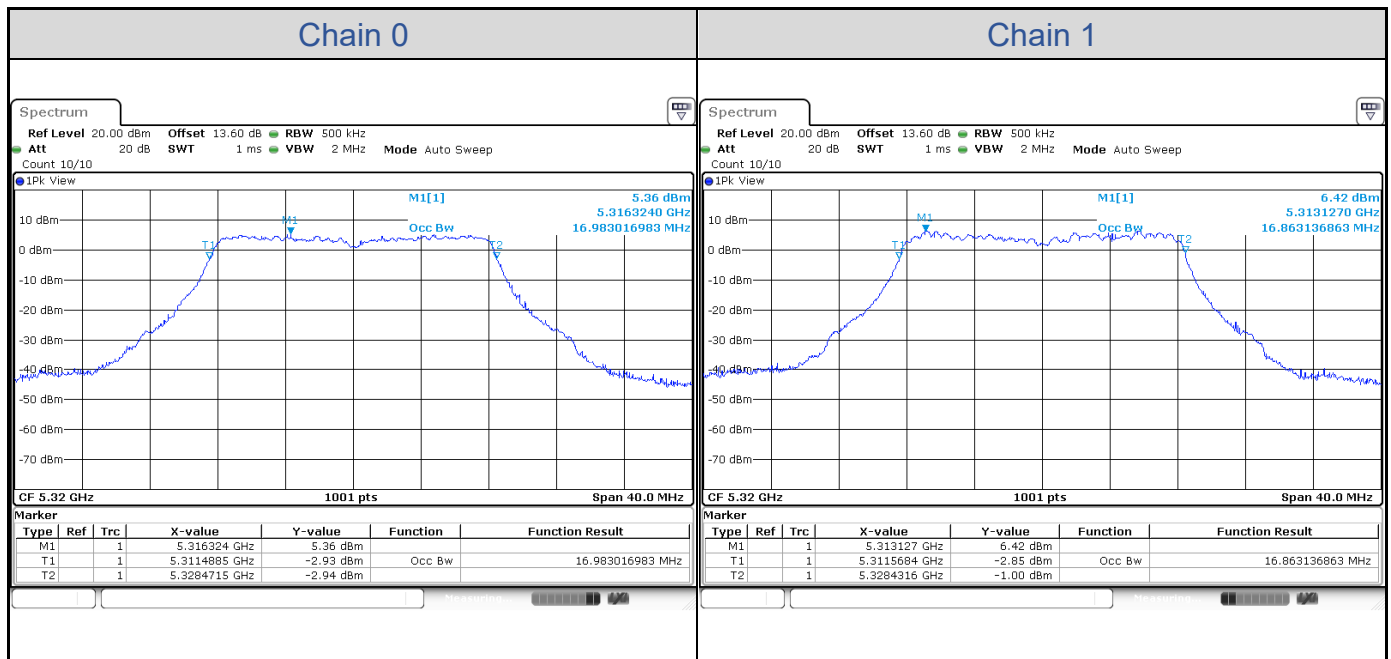
Test Result of 99% Occupied Bandwidth

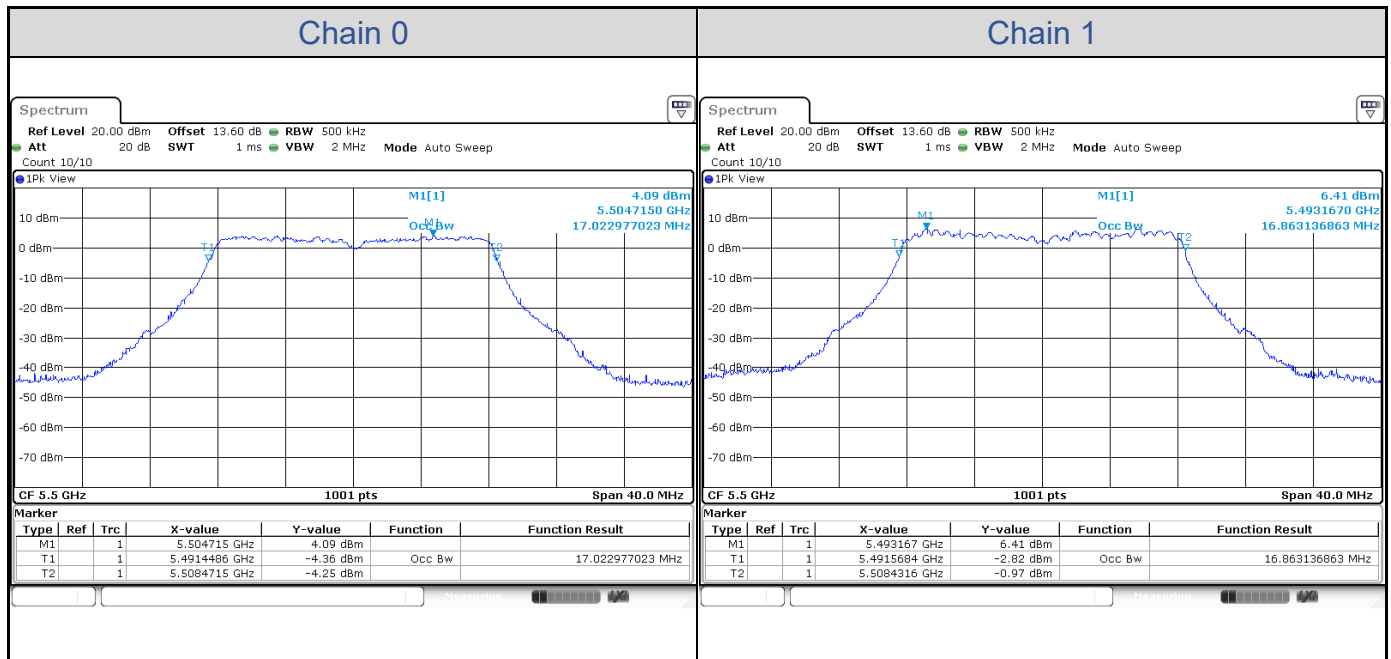
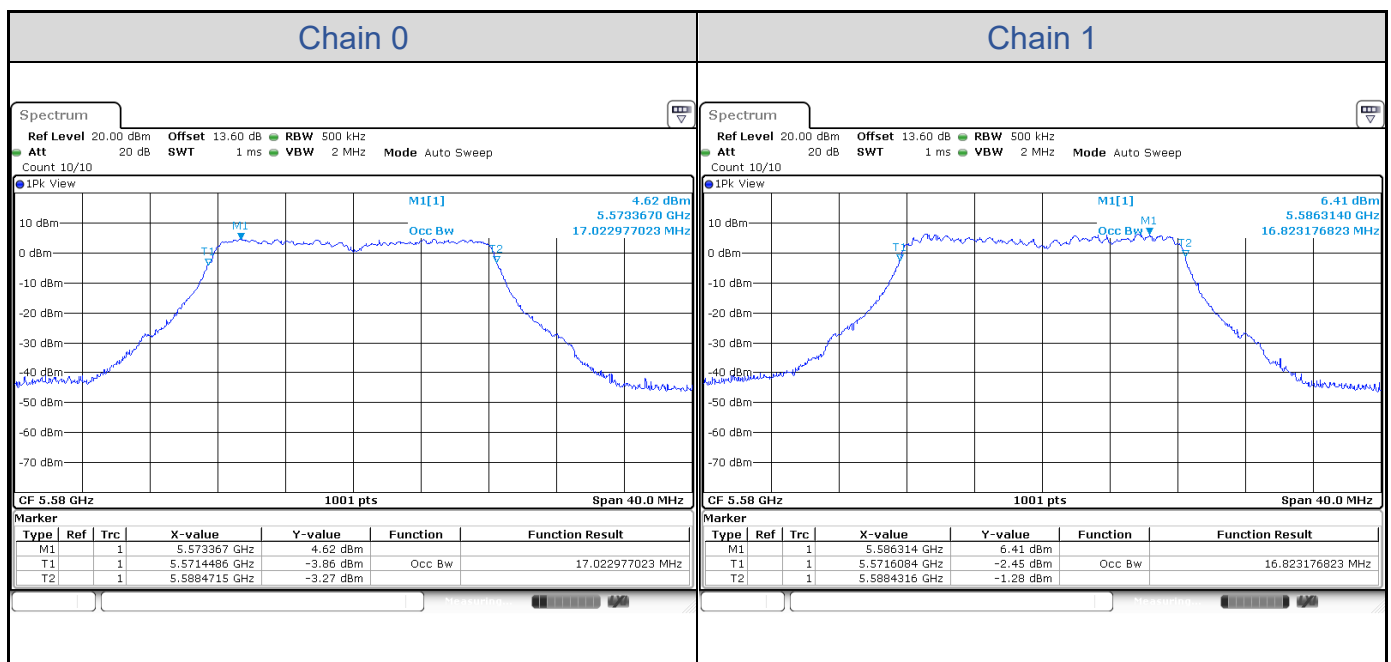
802.11a

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	17.02	16.82
	40	5200	16.98	16.82
	48	5240	16.98	16.82
U-NII-2A	52	5260	17.06	16.86
	60	5300	17.06	16.86
	64	5320	16.98	16.86
U-NII-2C	100	5500	17.02	16.86
	116	5580	17.02	16.82
	140	5700	17.02	16.86
U-NII-3	149	5745	17.30	16.94
	157	5785	17.38	17.06
	165	5825	17.18	16.86

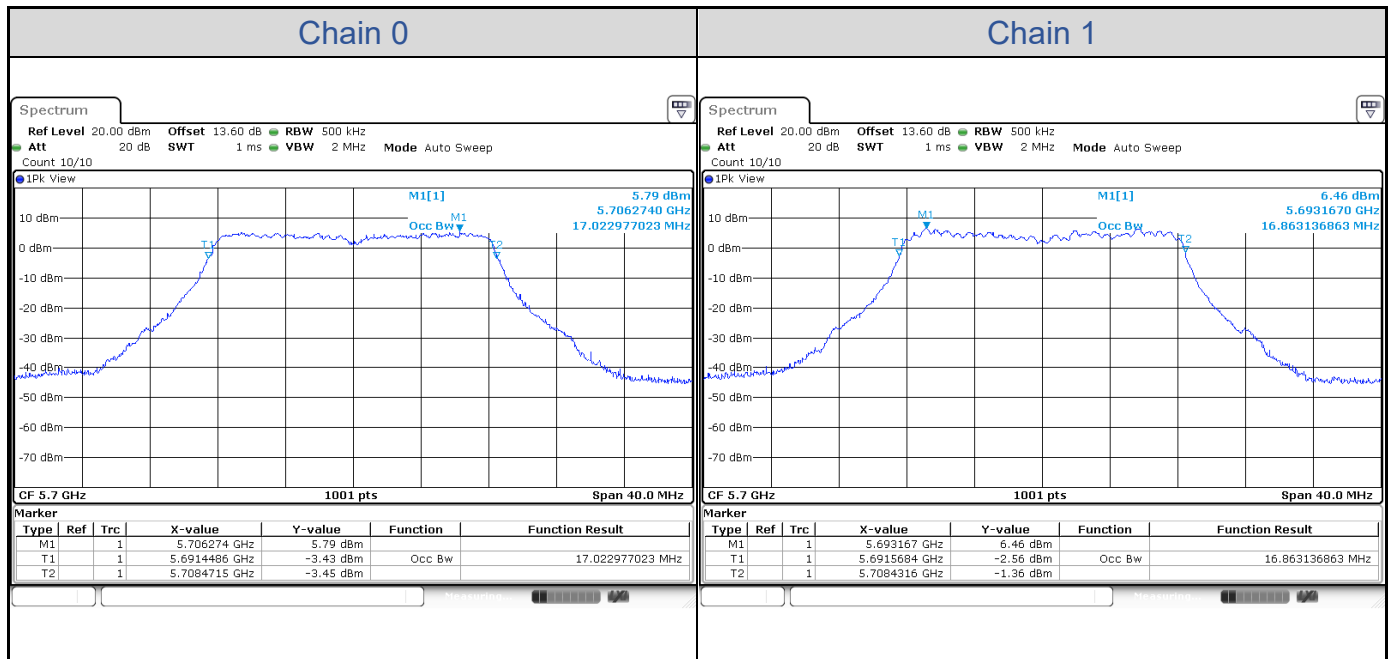
802.11a-Channel 36

802.11a-Channel 40


802.11a-Channel 48

802.11a-Channel 52


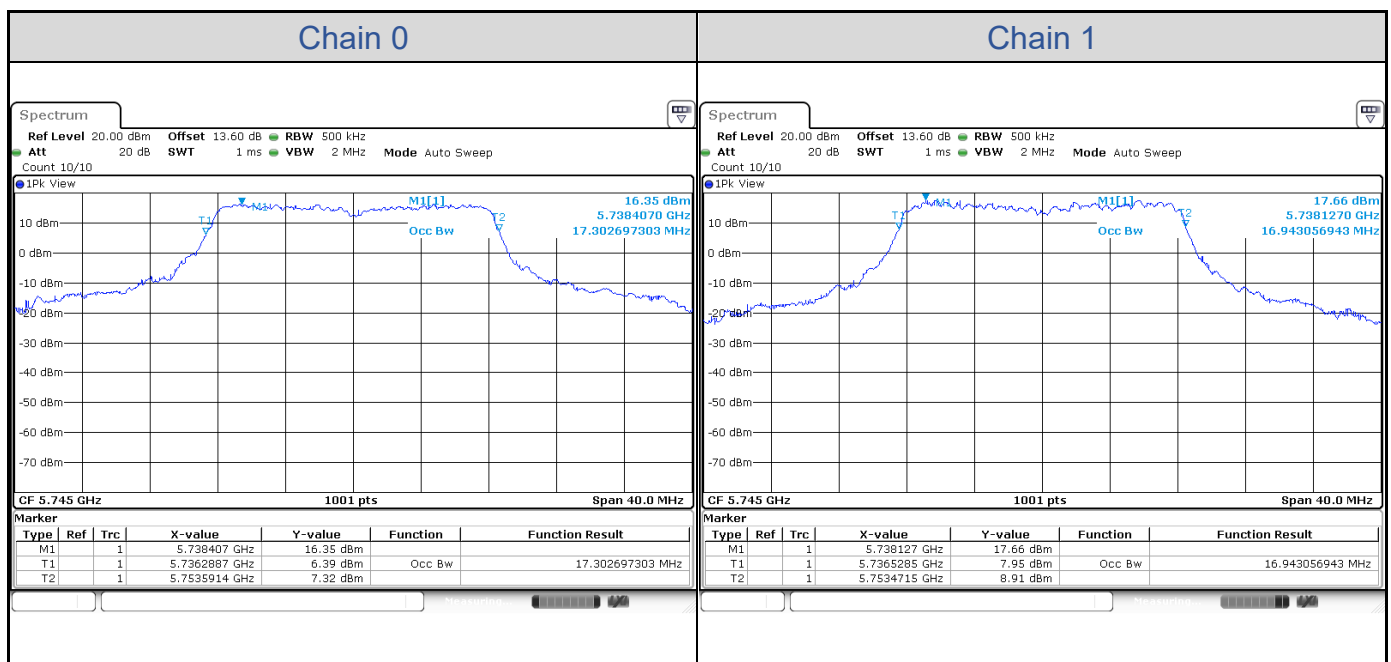
802.11a-Channel 60

802.11a-Channel 64


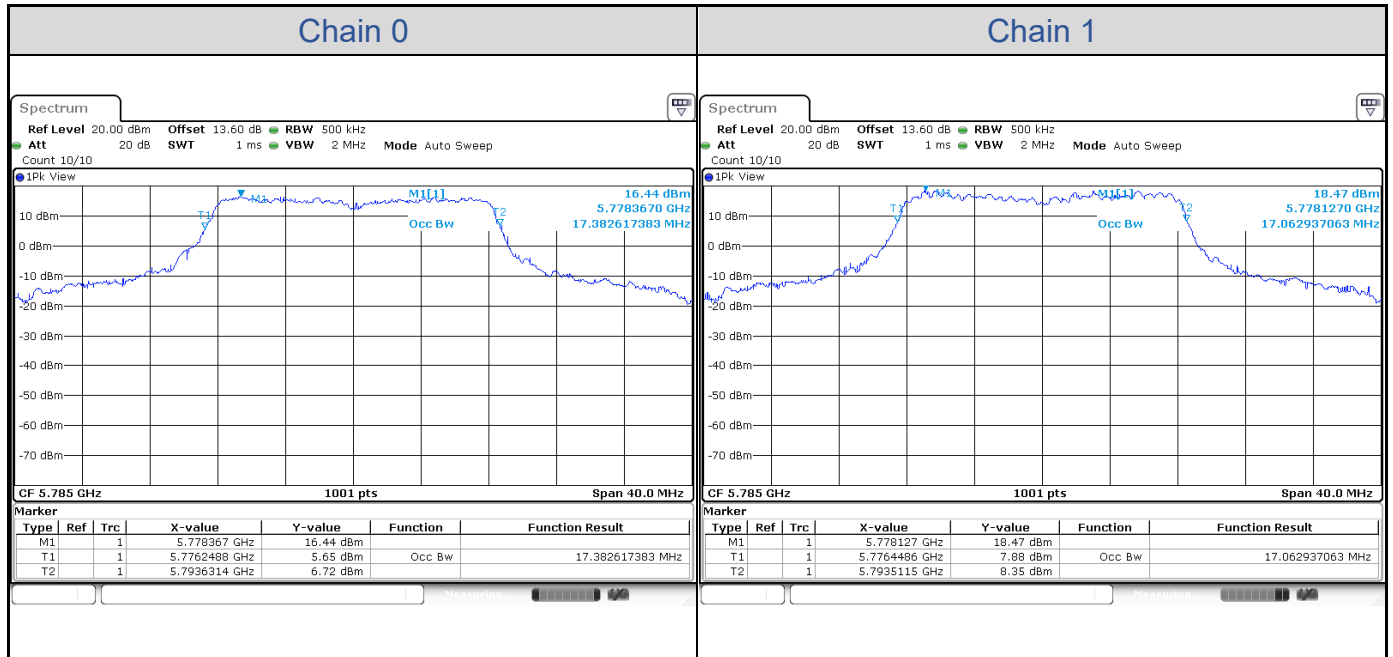
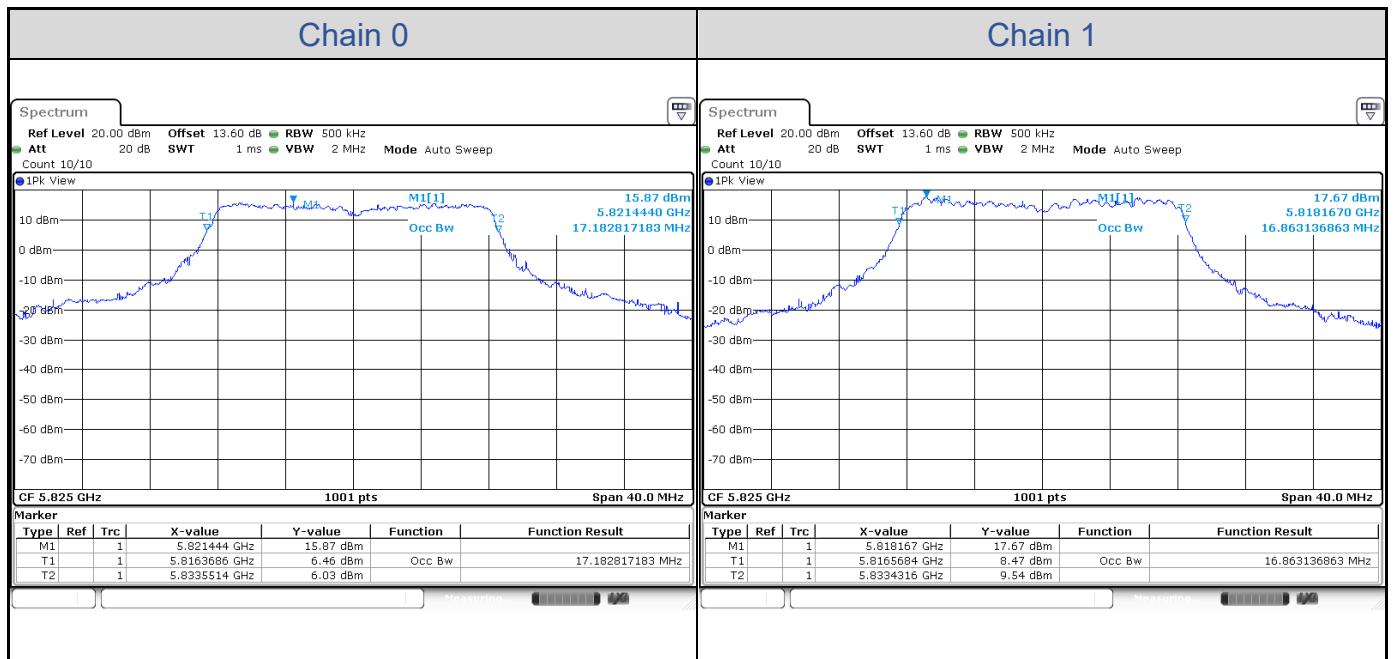
802.11a-Channel 100

802.11a-Channel 116


802.11a-Channel 140



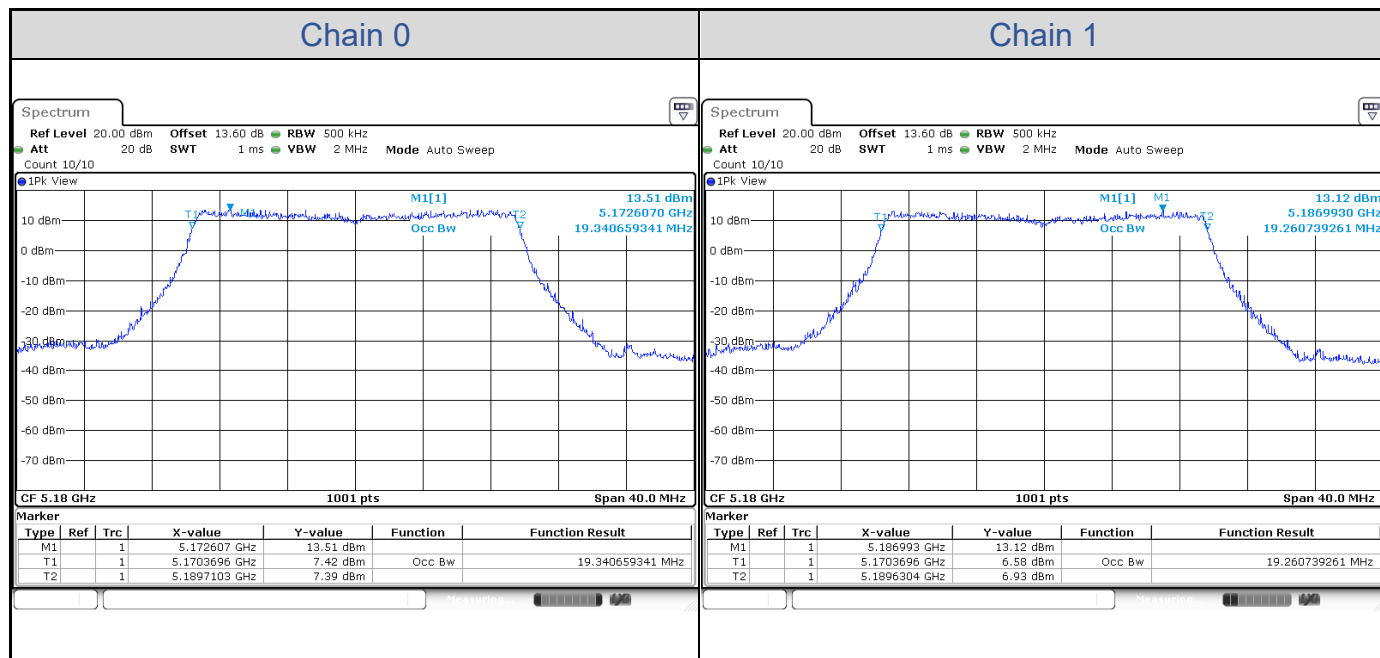
802.11a-Channel 149

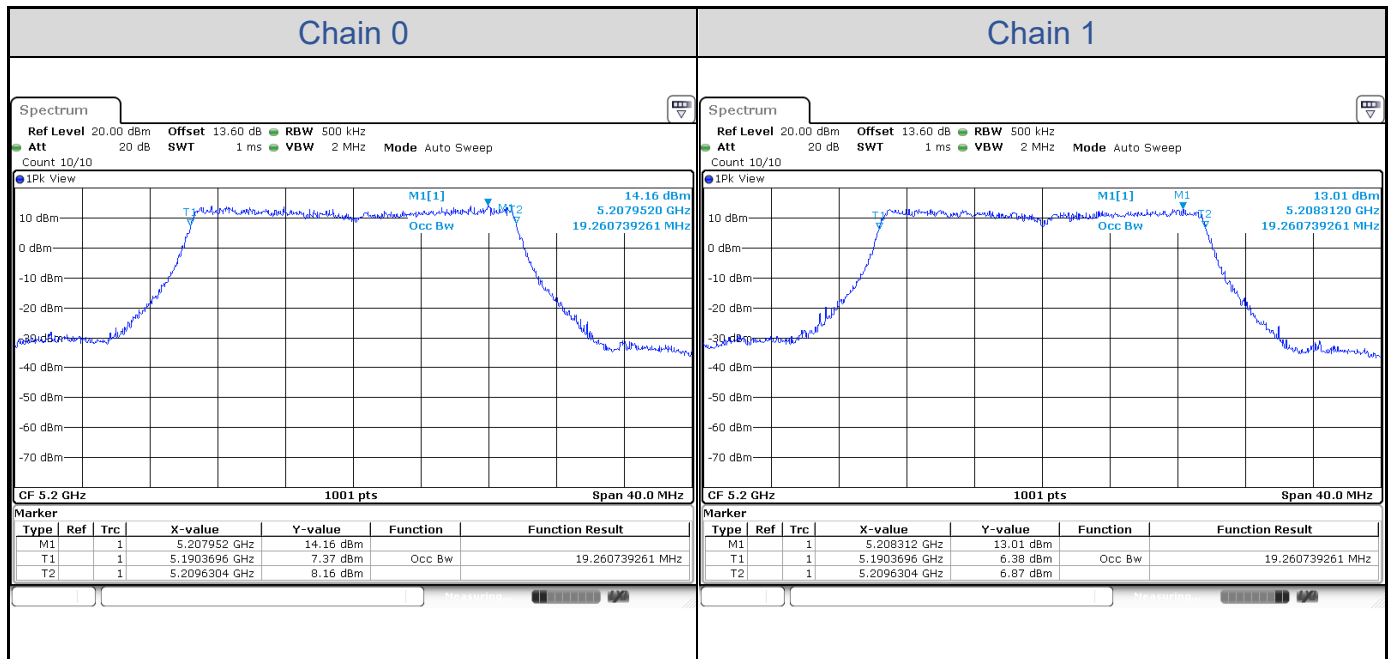
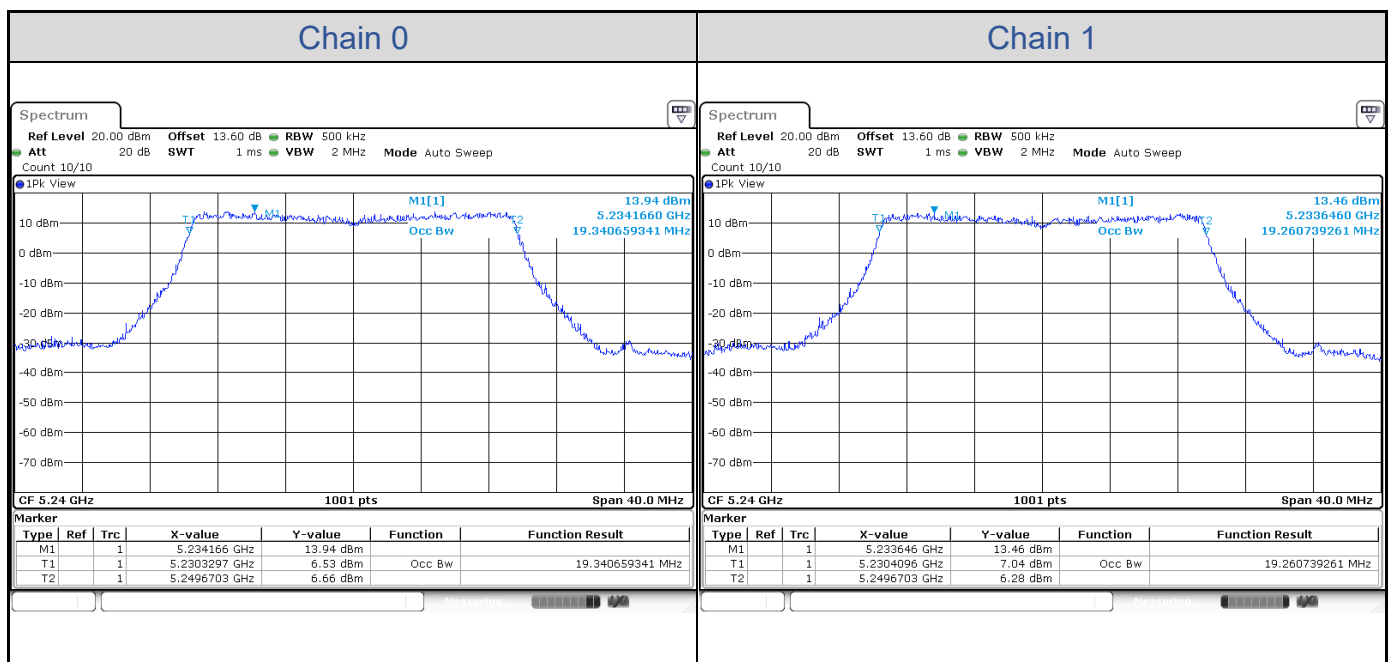


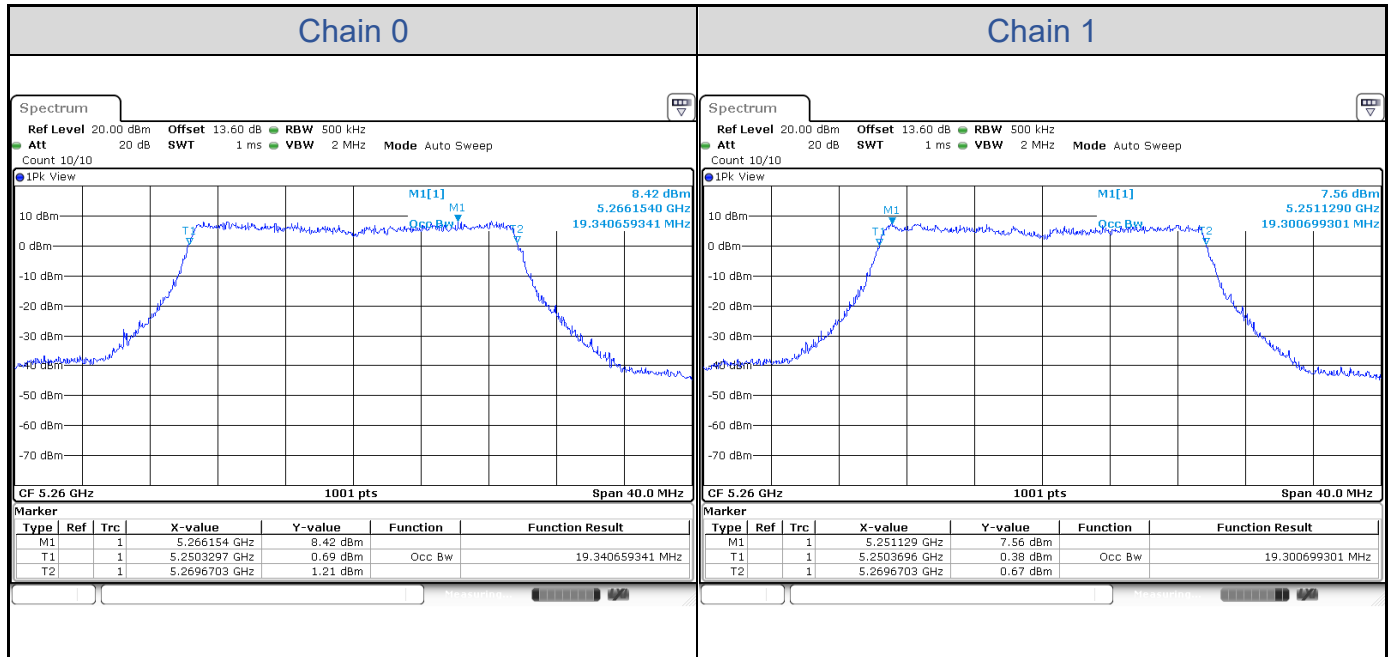
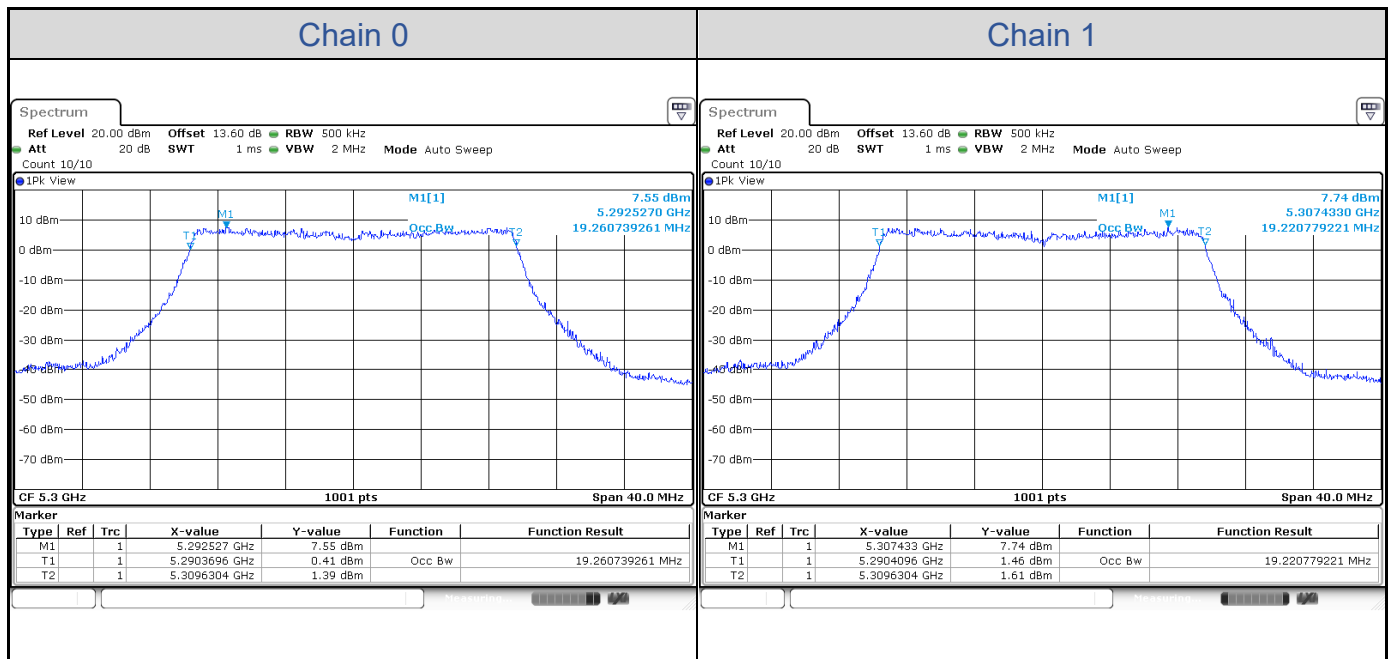
802.11a-Channel 157

802.11a-Channel 165


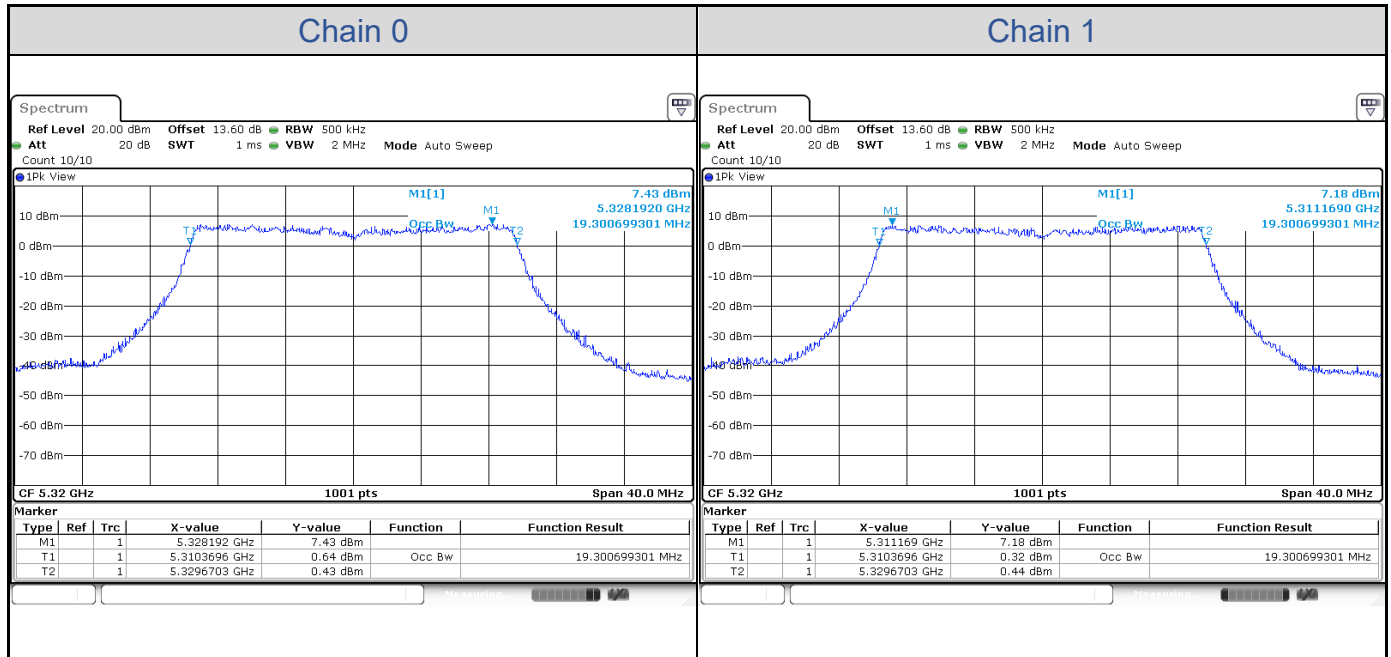
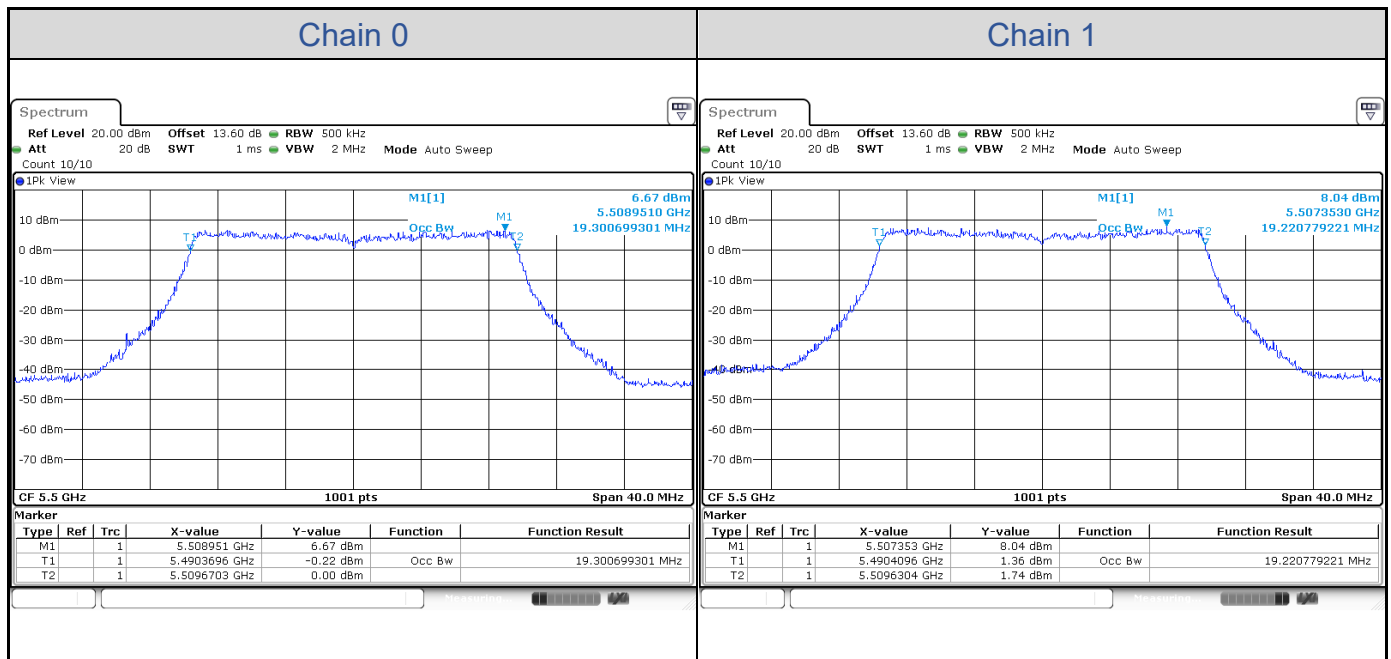
802.11ax HE20

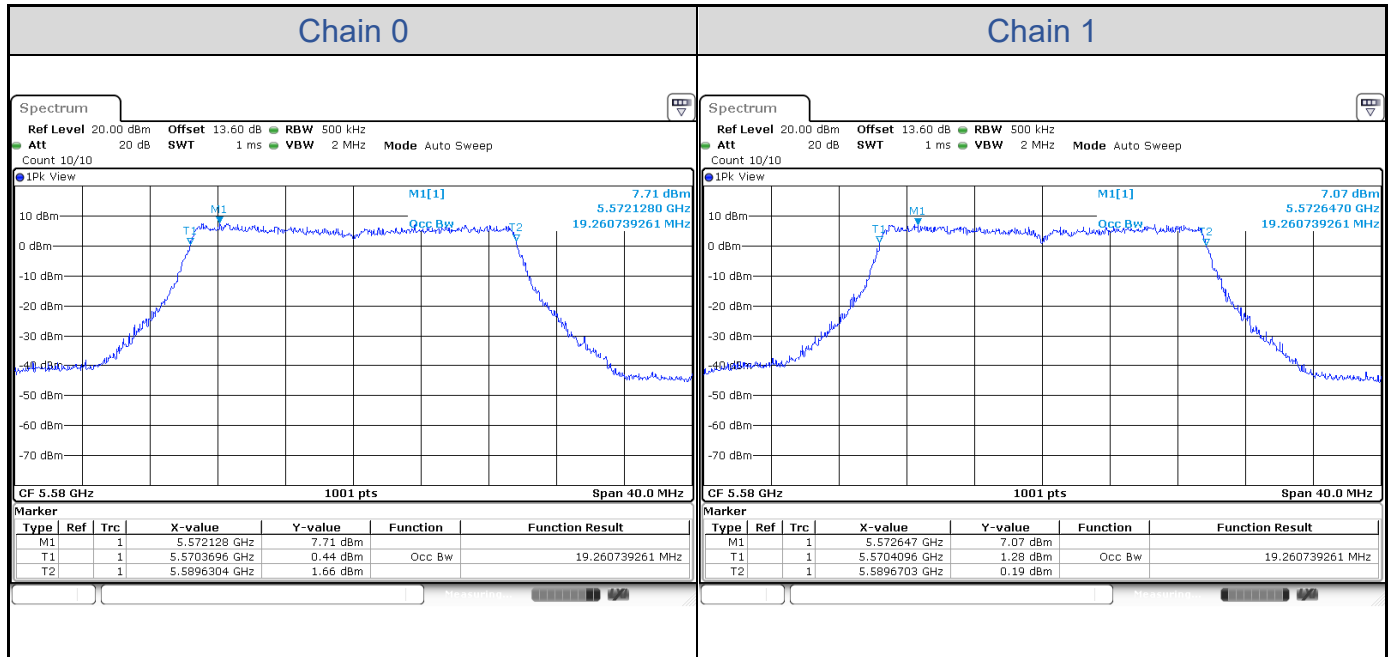
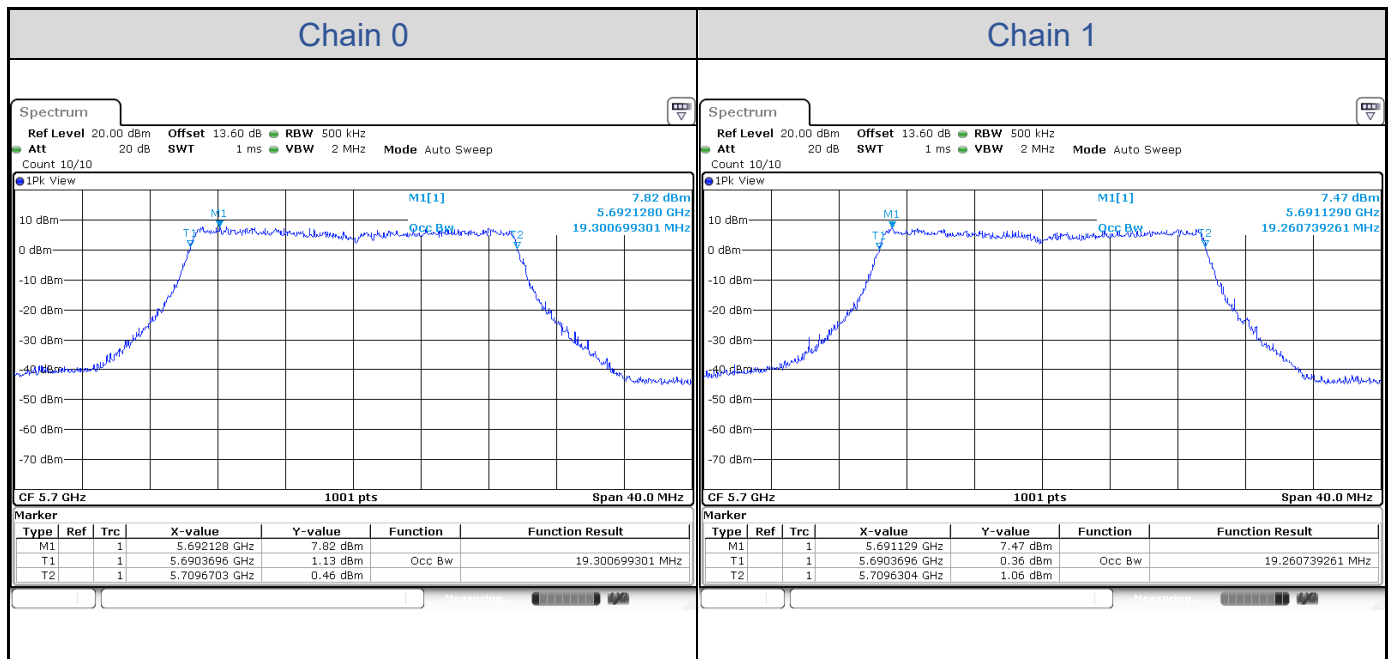
Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	36	5180	19.34	19.26
	40	5200	19.26	19.26
	48	5240	19.34	19.26
U-NII-2A	52	5260	19.34	19.30
	60	5300	19.26	19.22
	64	5320	19.30	19.30
U-NII-2C	100	5500	19.30	19.22
	116	5580	19.26	19.26
	140	5700	19.30	19.26
U-NII-3	149	5745	19.42	19.34
	157	5785	19.46	19.30
	165	5825	19.34	19.26

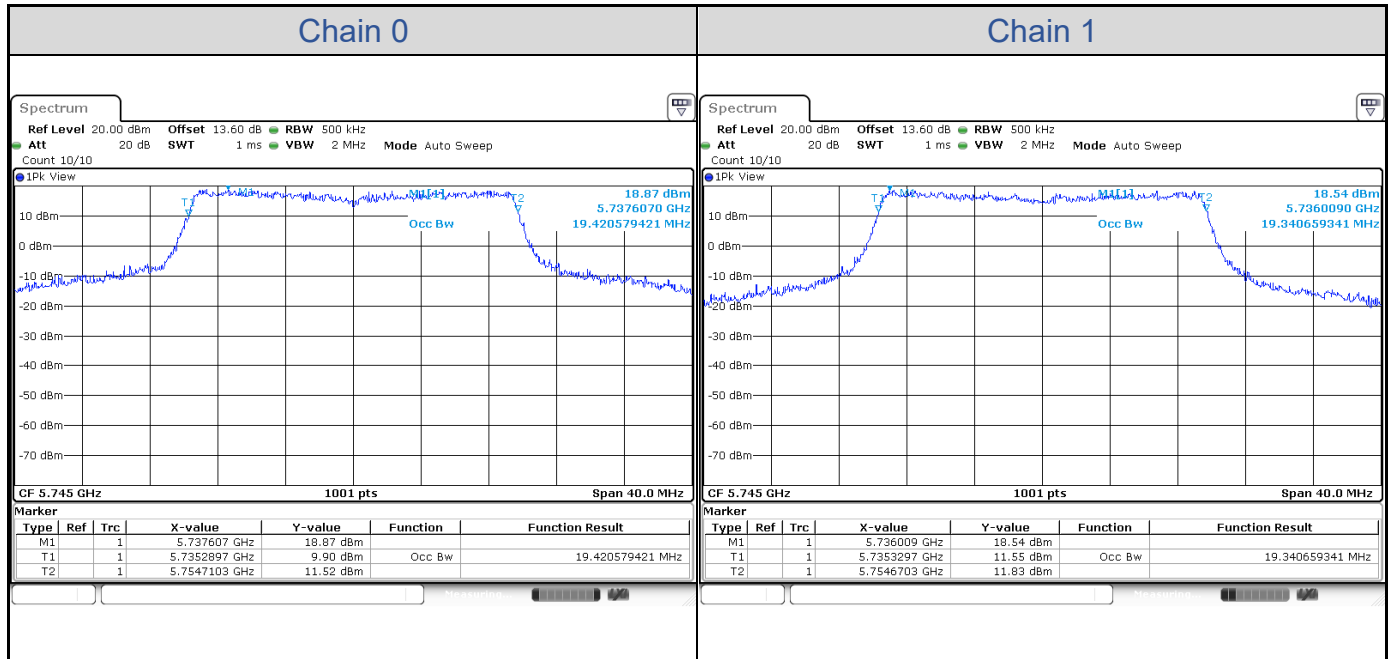
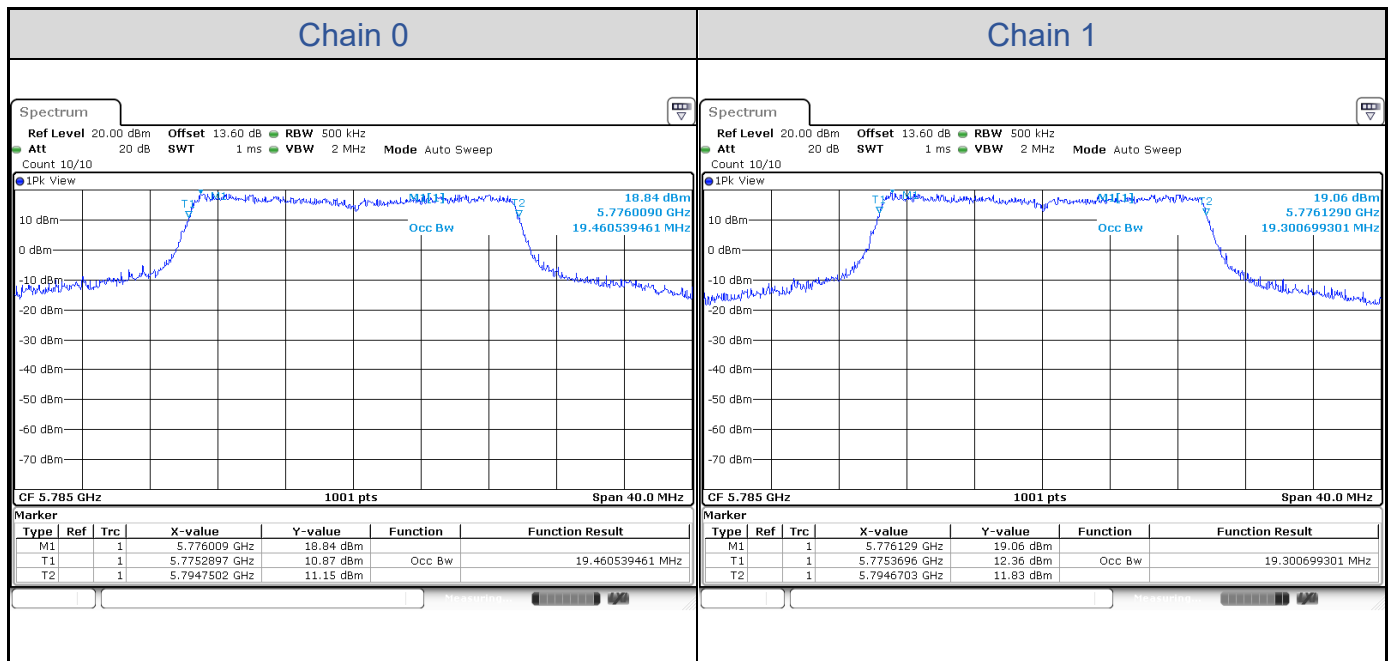
802.11ax HE20-Channel 36


802.11ax HE20-Channel 40

802.11ax HE20-Channel 48


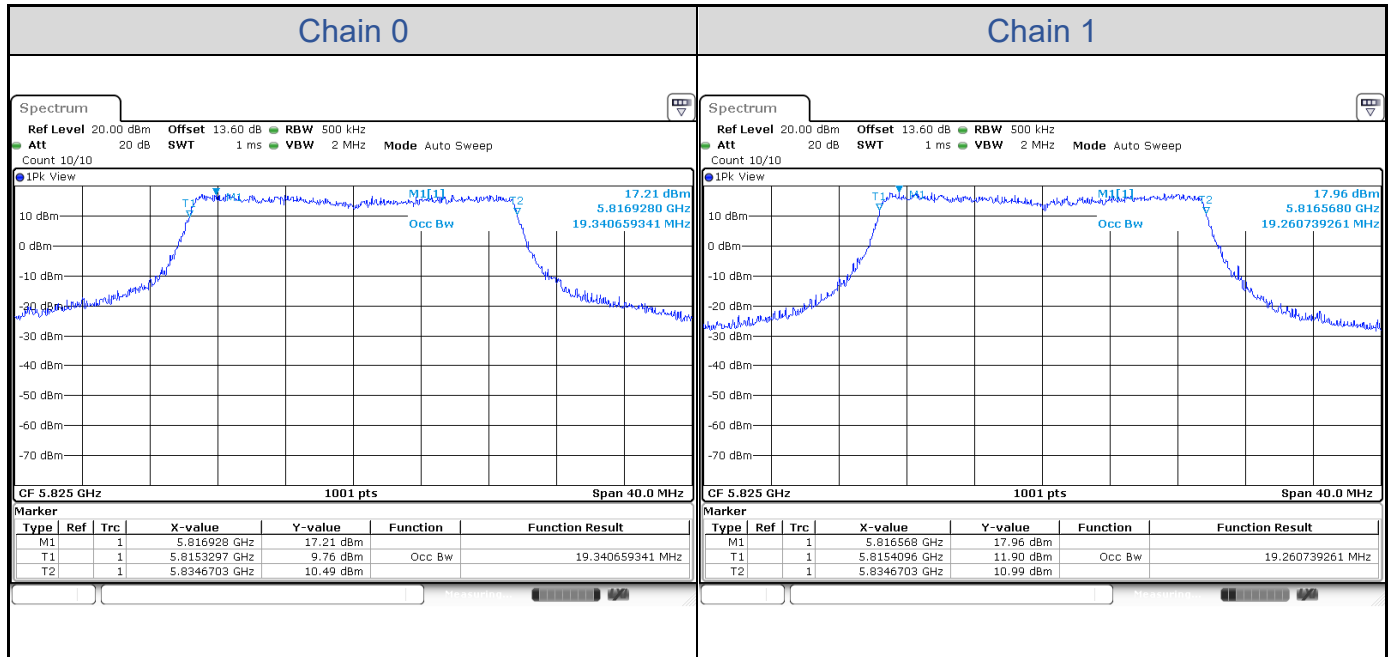
802.11ax HE20-Channel 52

802.11ax HE20-Channel 60


802.11ax HE20-Channel 64

802.11ax HE20-Channel 100


802.11ax HE20-Channel 116

802.11ax HE20-Channel 140


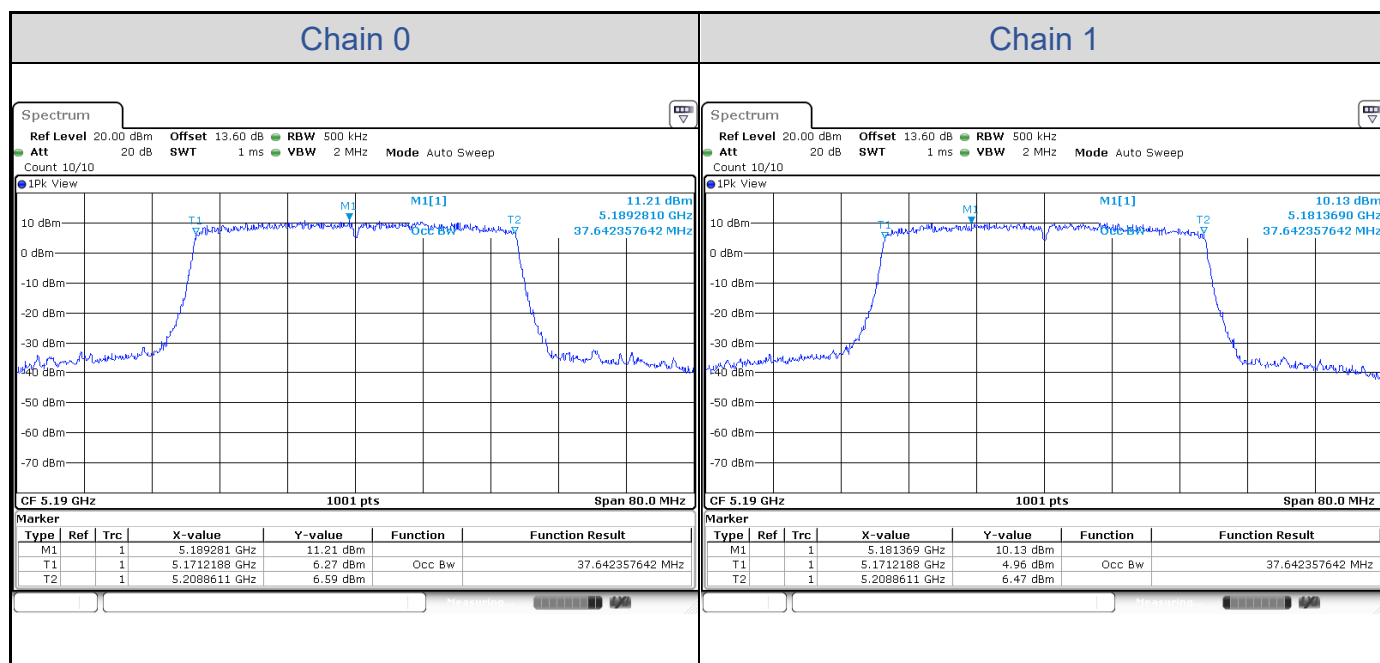
802.11ax HE20-Channel 149

802.11ax HE20-Channel 157


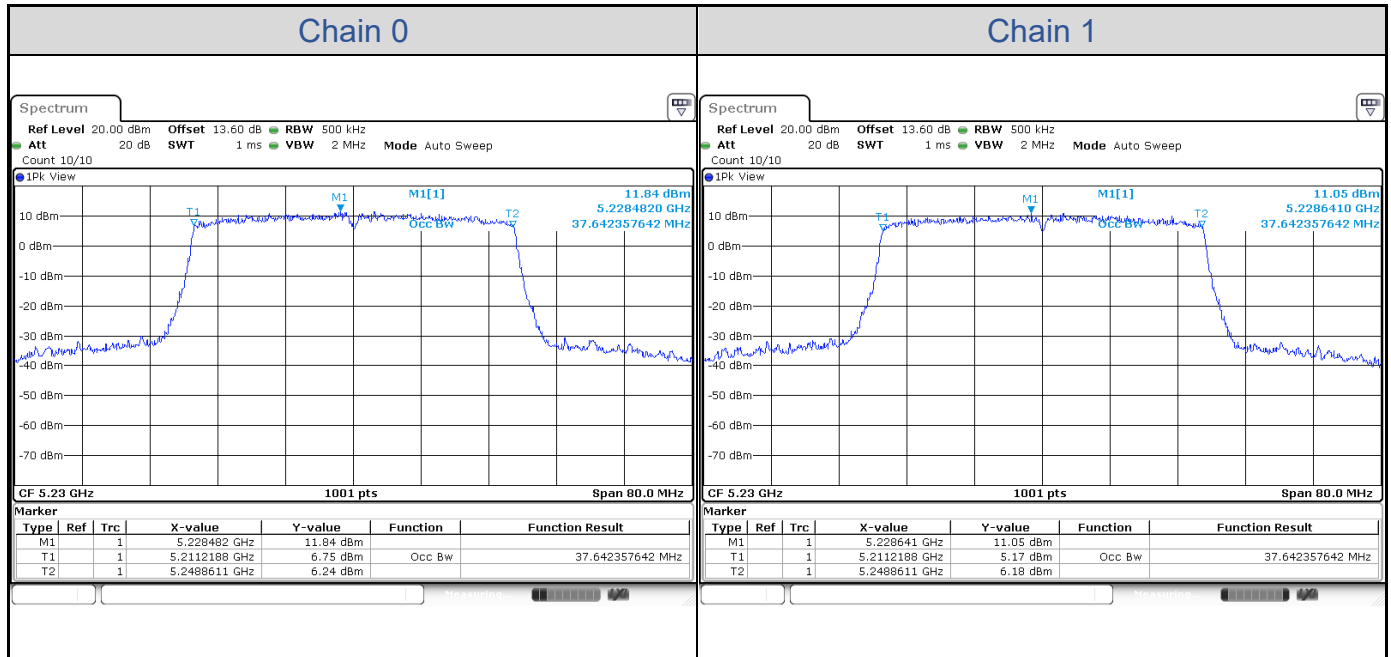
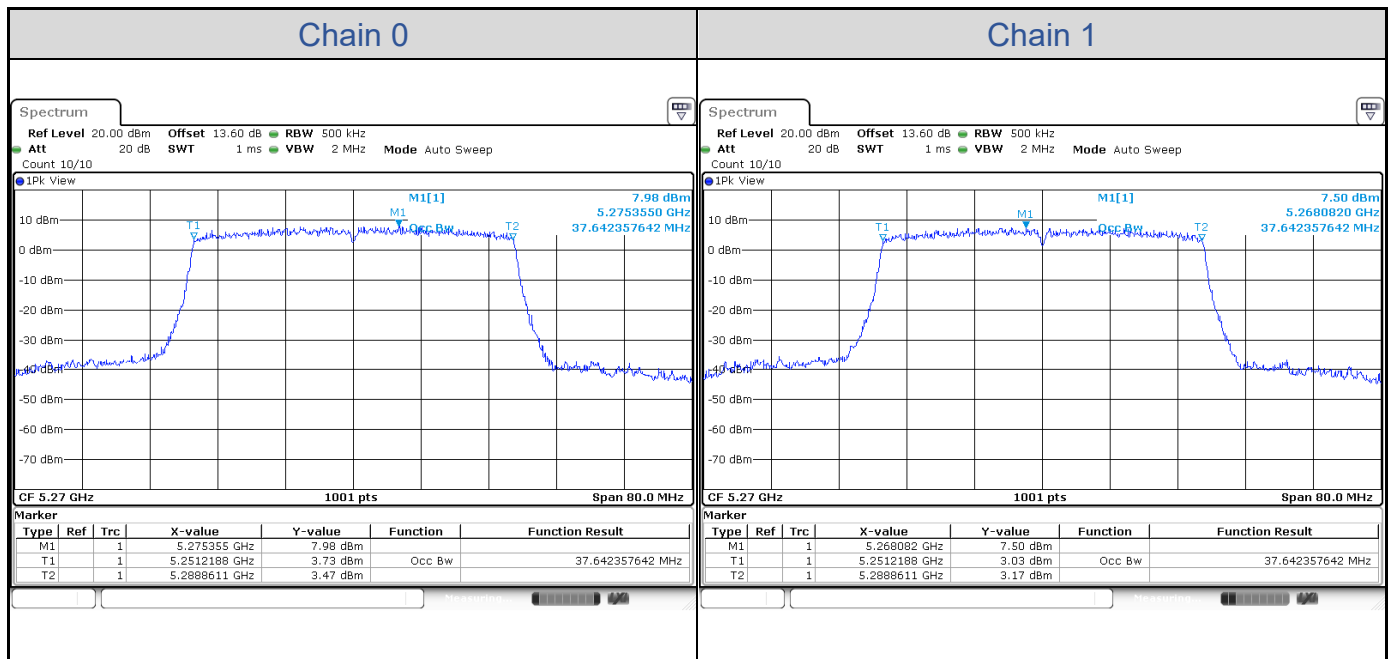
802.11ax HE20-Channel 165

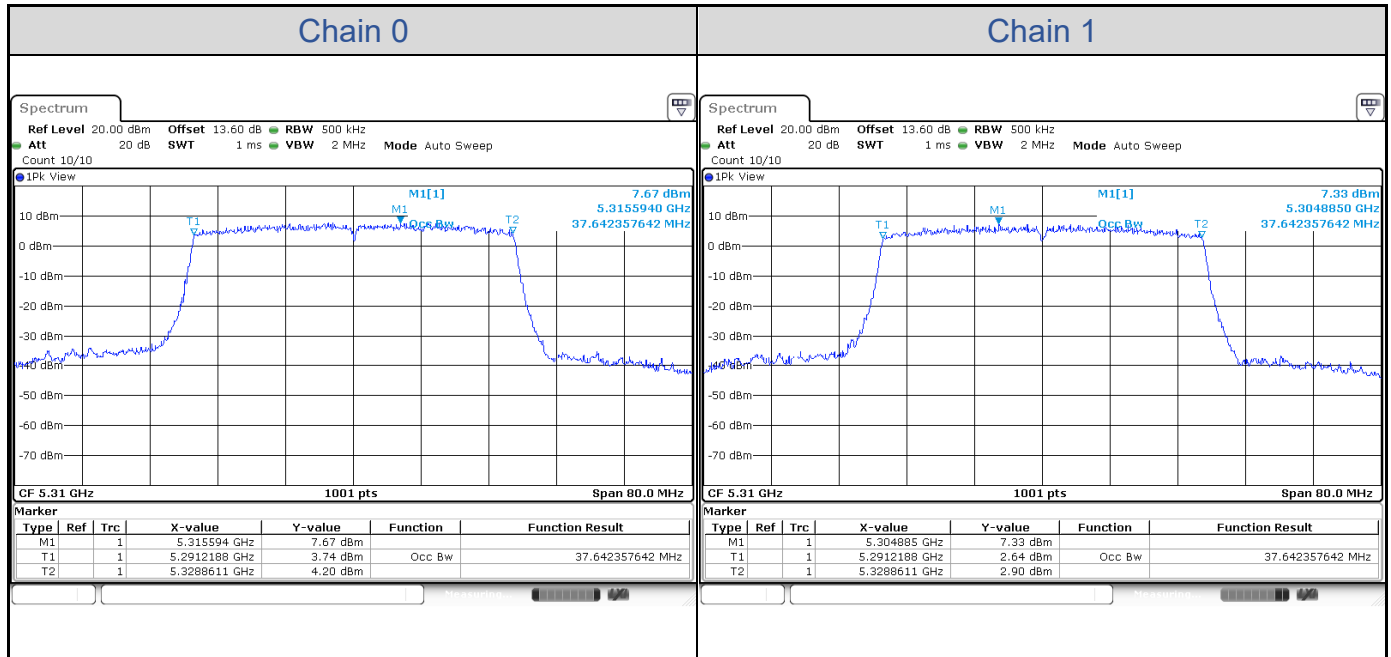
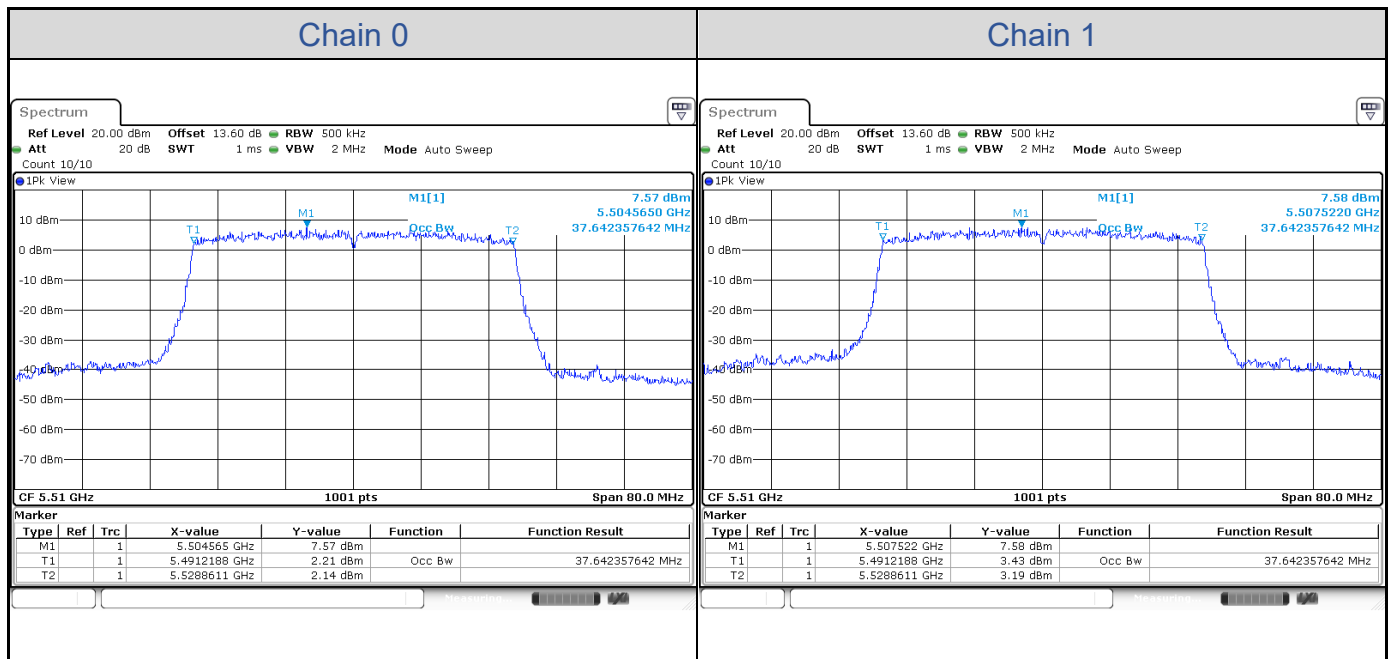


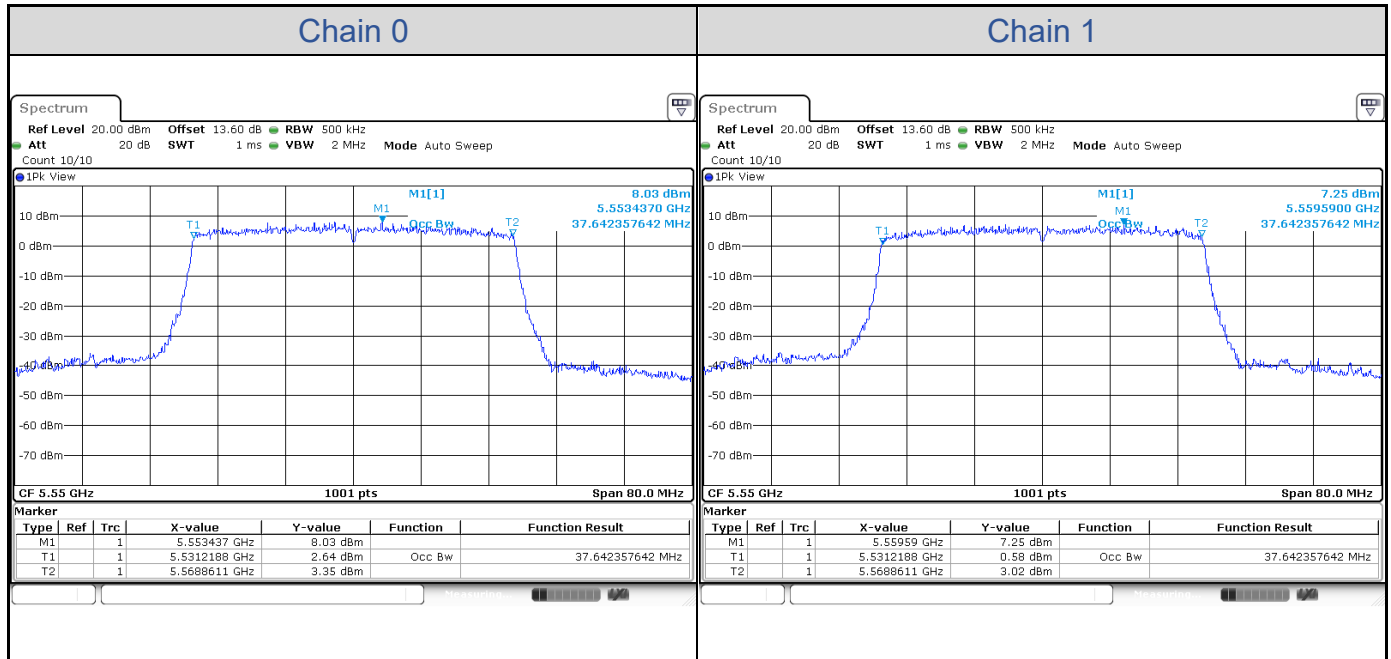
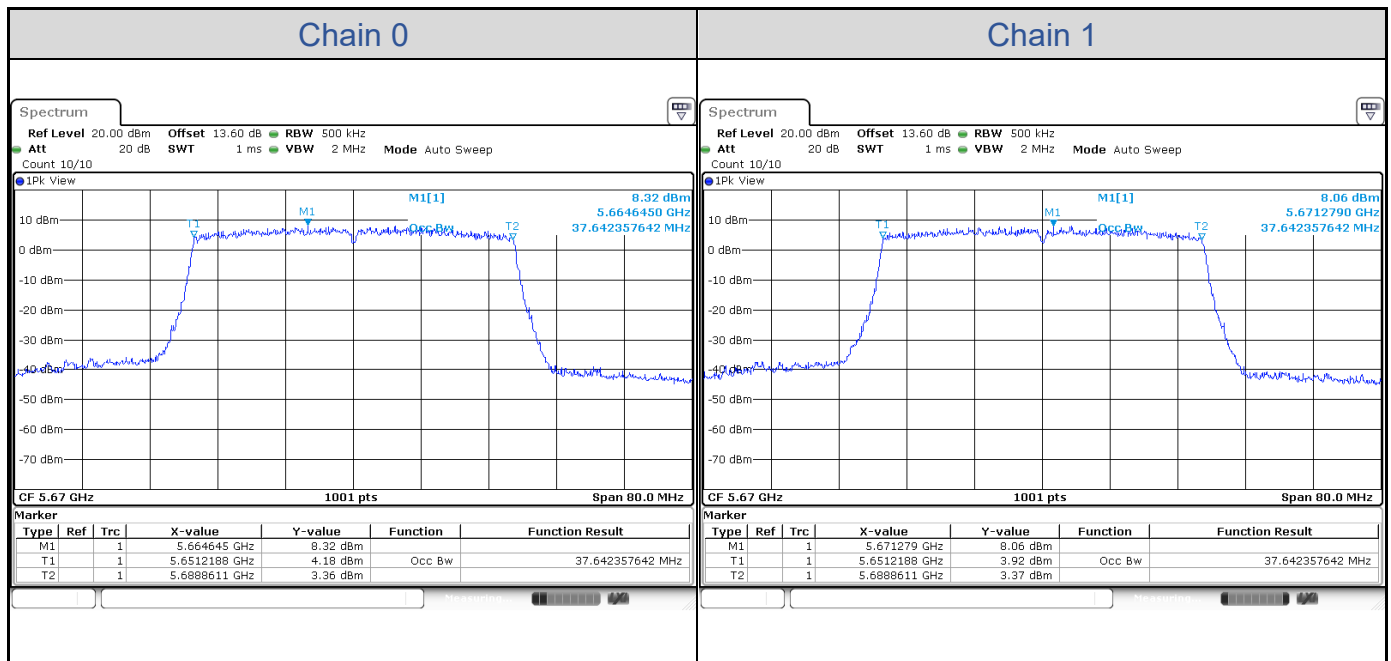
802.11ax HE40

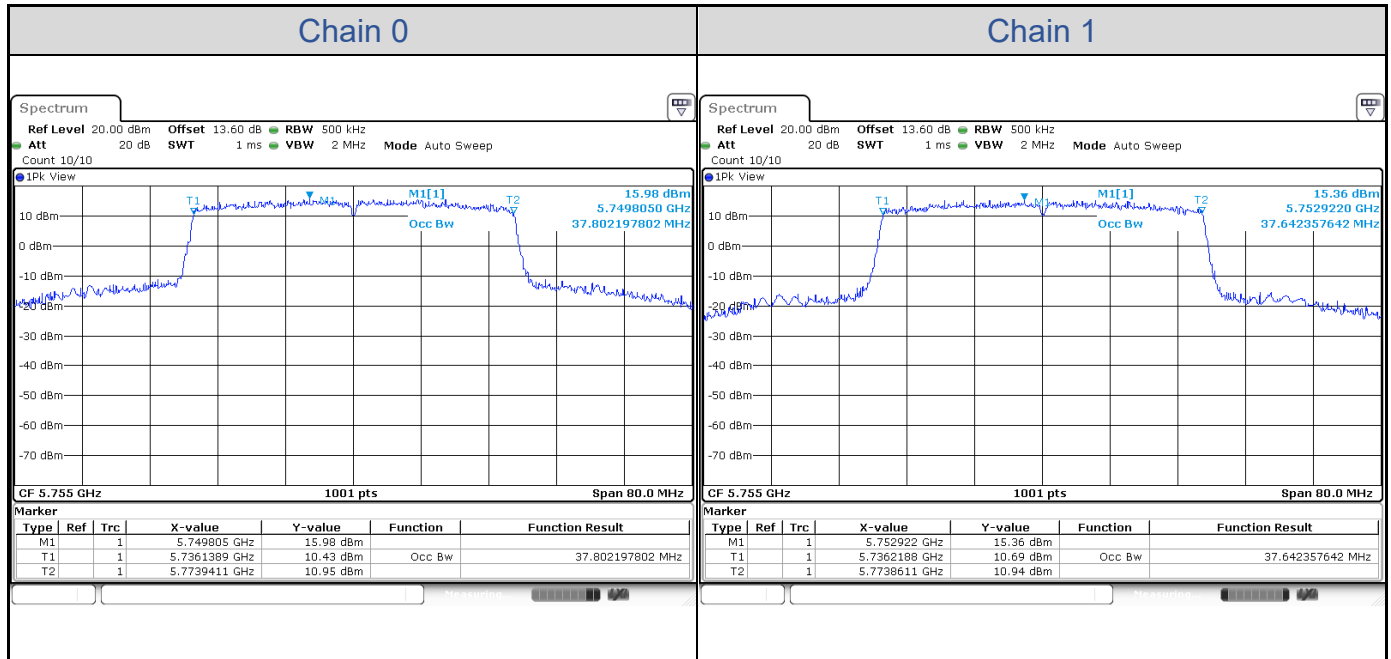
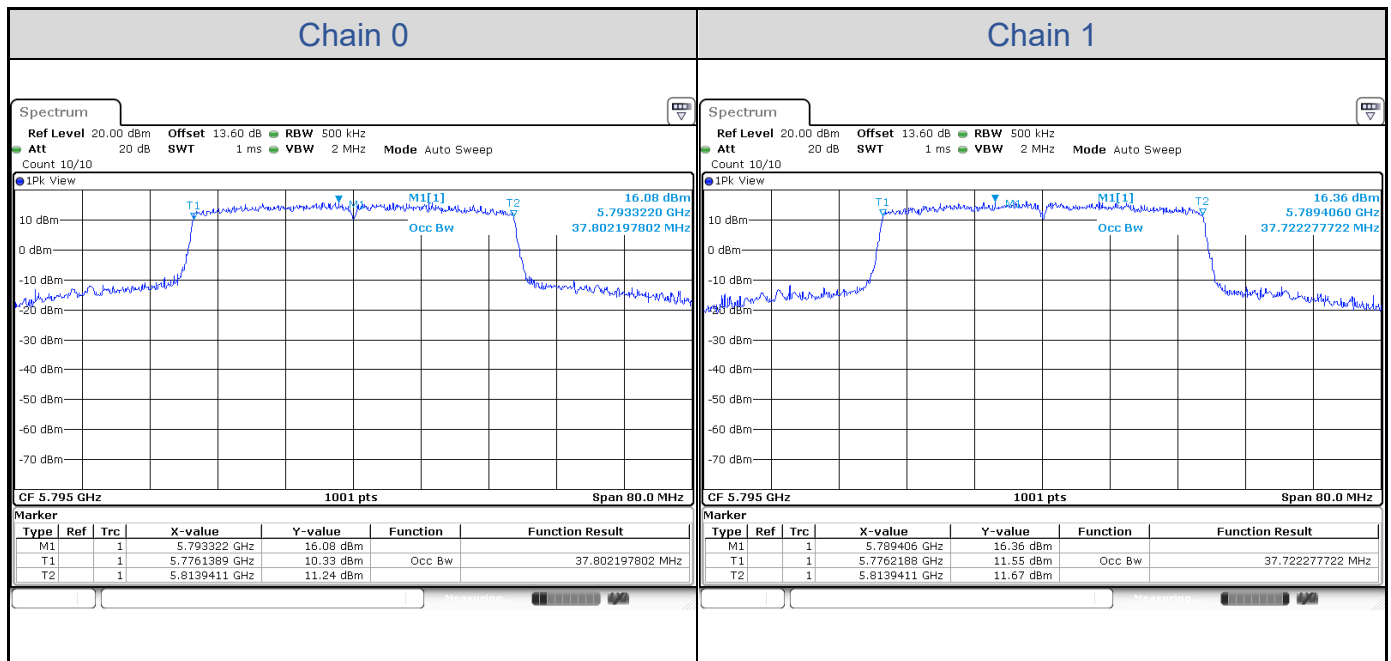
Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	38	5190	37.64	37.64
	46	5230	37.64	37.64
U-NII-2A	54	5270	37.64	37.64
	62	5310	37.64	37.64
U-NII-2C	102	5510	37.64	37.64
	110	5550	37.64	37.64
	134	5670	37.64	37.64
U-NII-3	151	5755	37.80	37.64
	159	5795	37.80	37.72

802.11ax HE40-Channel 38


802.11ax HE40-Channel 46

802.11ax HE40-Channel 54


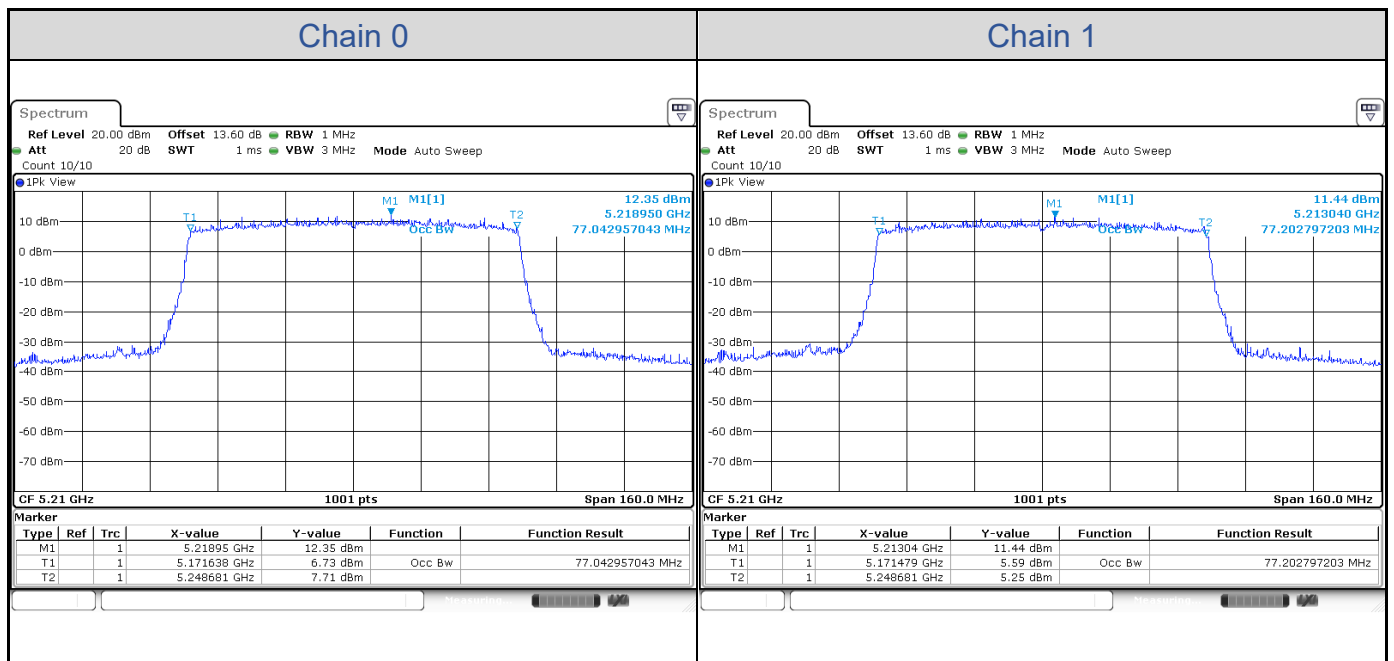
802.11ax HE40-Channel 62

802.11ax HE40-Channel 102


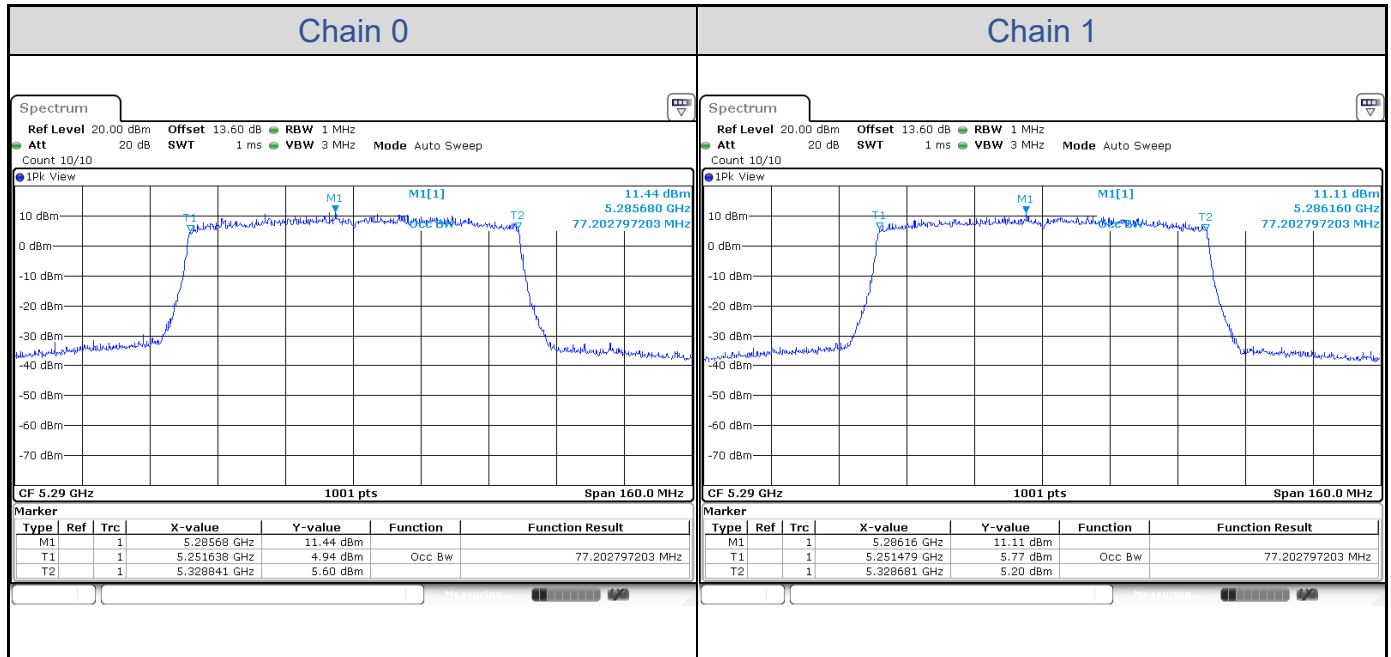
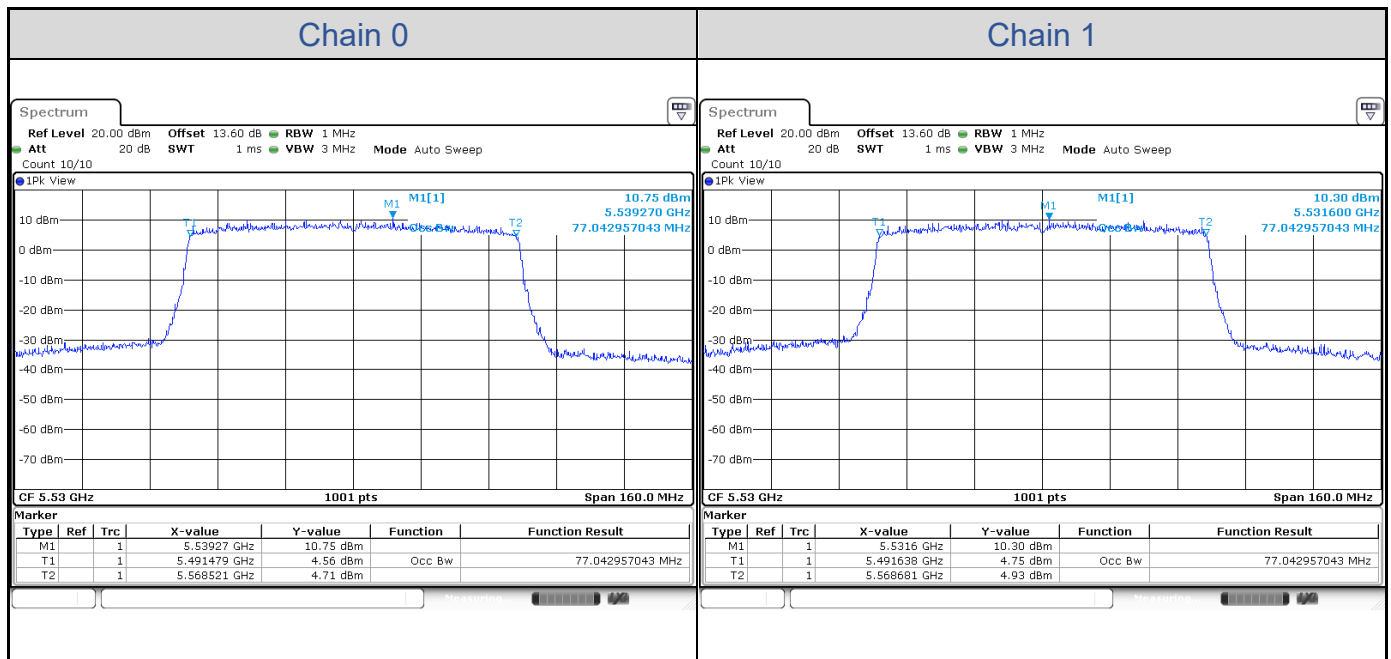
802.11ax HE40-Channel 110

802.11ax HE40-Channel 134


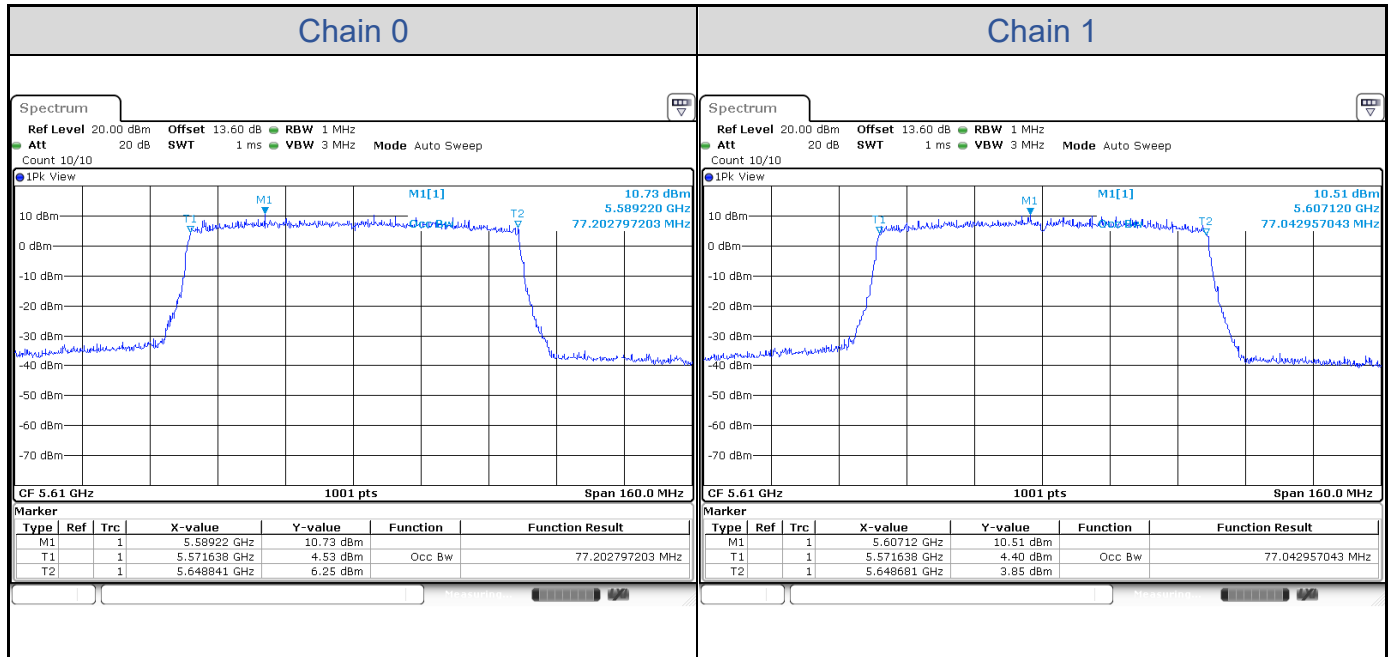
802.11ax HE40-Channel 151

802.11ax HE40-Channel 159


802.11ax HE80

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)	
			Chain 0	Chain 1
U-NII-1	42	5210	77.04	77.20
U-NII-2A	58	5290	77.20	77.20
U-NII-2C	106	5530	77.04	77.04
	122	5610	77.20	77.04
U-NII-3	155	5775	77.36	77.20

802.11ax HE80-Channel 42


802.11ax HE80-Channel 58

802.11ax HE80-Channel 106


802.11ax HE80-Channel 122

802.11ax HE80-Channel 155
