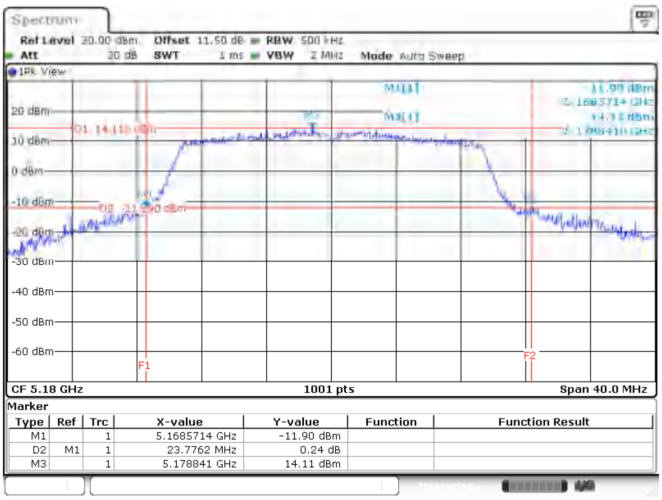
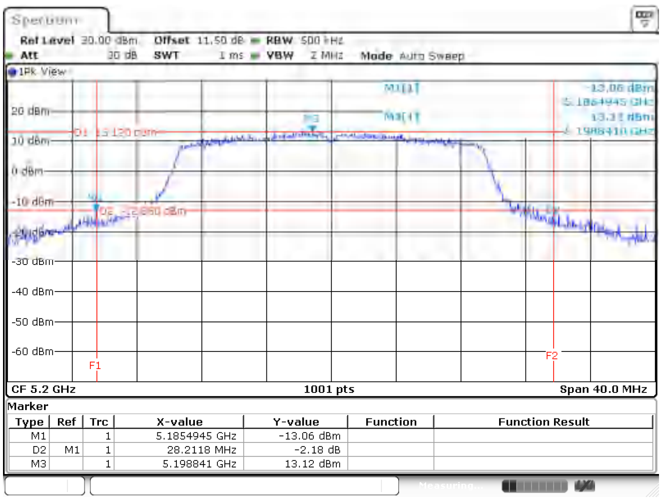
Appendix B: Test Results of Conducted Test_Beamforming

Test Result of 26 dB Bandwidth

802.11ax HE20

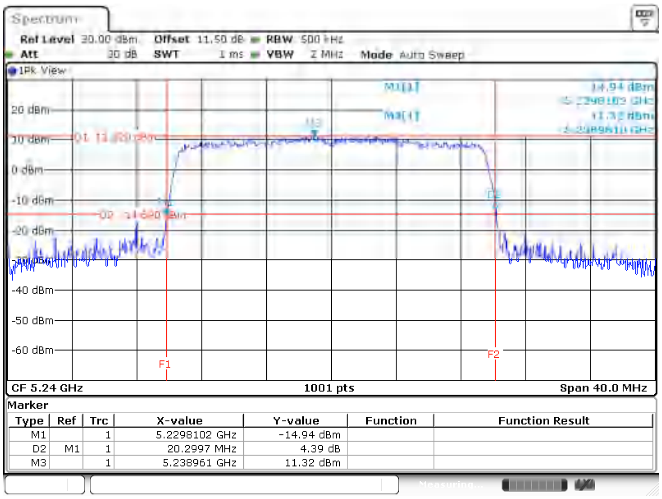
Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	36	5180	23.78	25.33	28.93	26.21
	40	5200	28.21	25.49	24.58	23.42
	48	5240	20.30	20.30	20.22	20.18
U-NII-2A	52	5260	22.18	22.18	22.34	22.22
	60	5300	26.69	25.41	26.05	25.69
	64	5320	26.85	22.54	25.49	22.82
U-NII-2C	100	5500	24.02	24.70	24.22	23.94
	116	5580	22.42	21.70	22.38	22.22
	140	5700	22.94	24.82	23.26	22.70

<Chain 0>

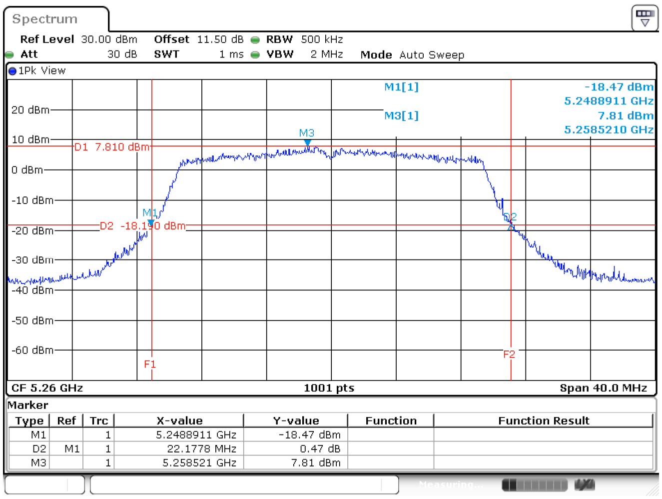
802.11ax HE20	
Channel 36	Channel 40
	

802.11ax HE20

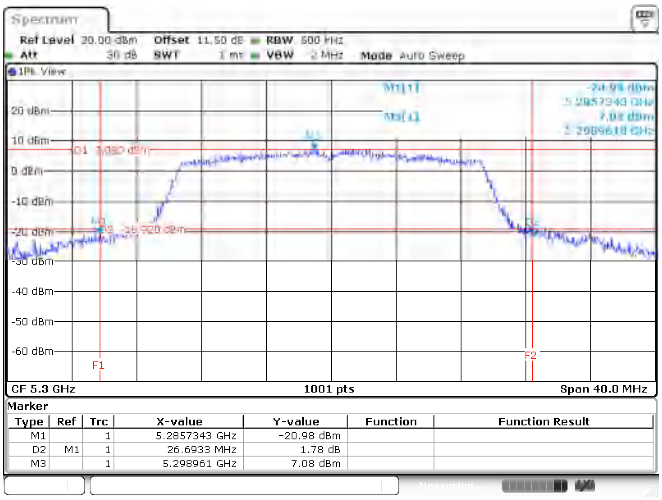
Channel 48



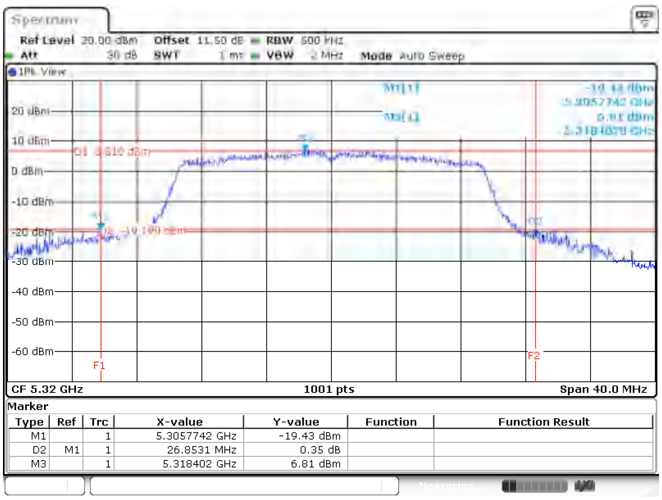
Channel 52



Channel 60

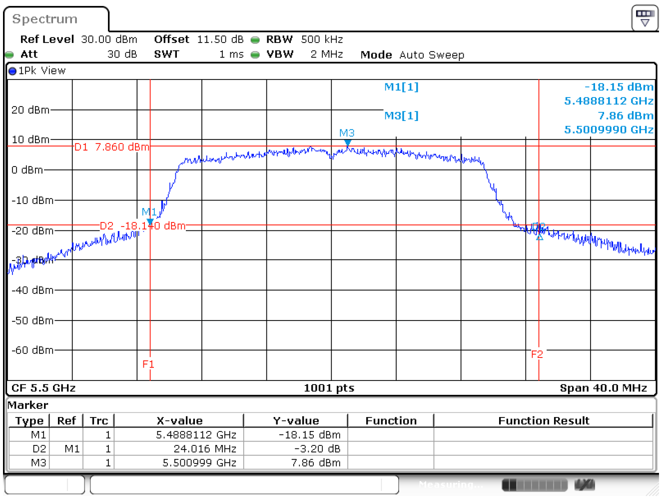


Channel 64

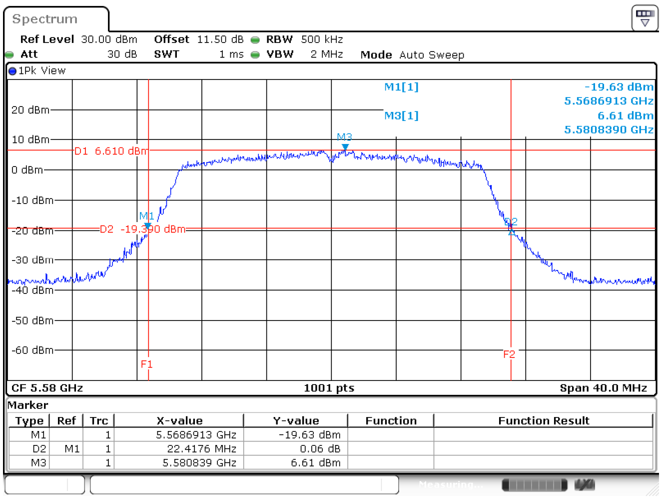


802.11ax HE20

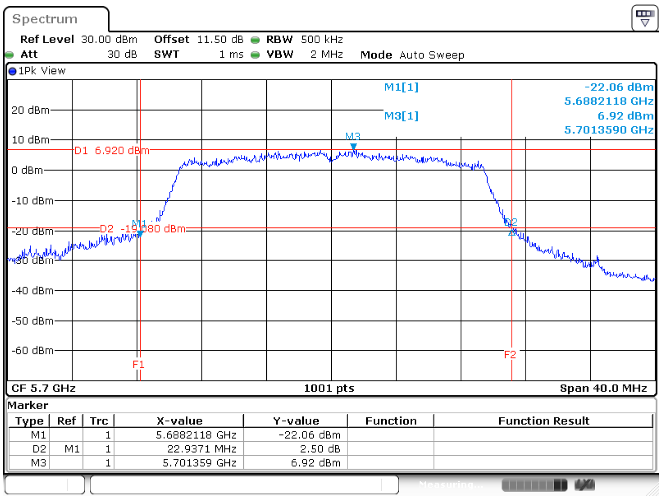
Channel 100



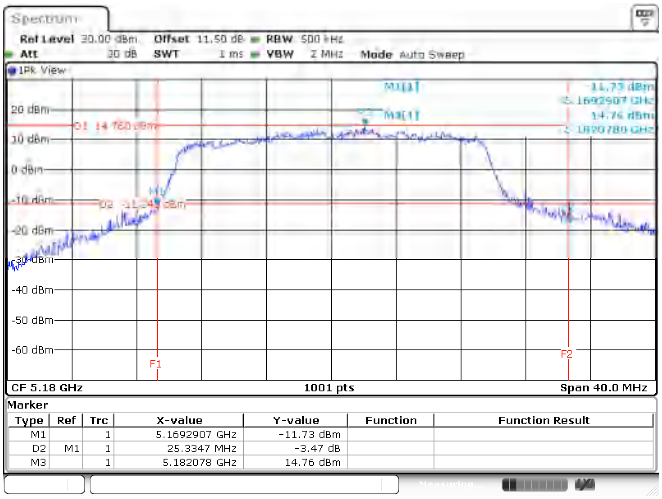
Channel 116



Channel 140

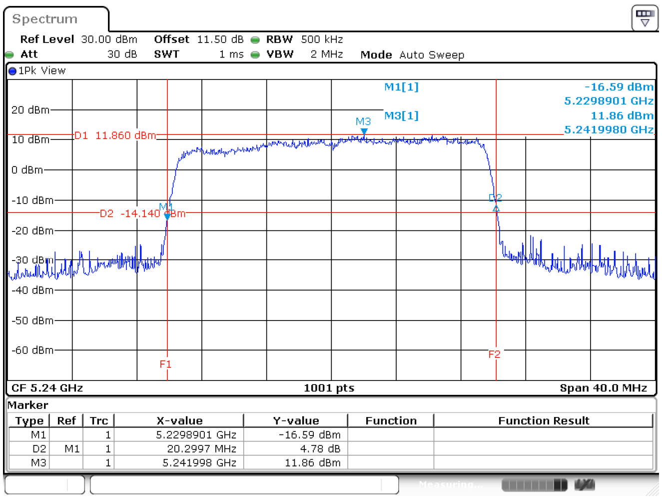


<Chain 1>

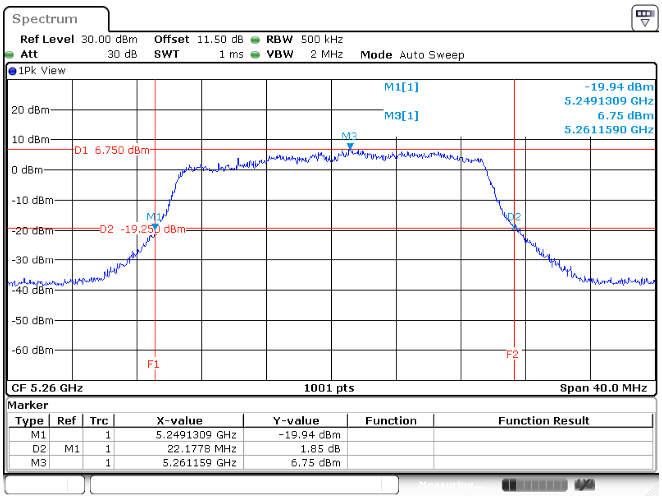
802.11ax HE20	
Channel 36	Channel 40
	

802.11ax HE20

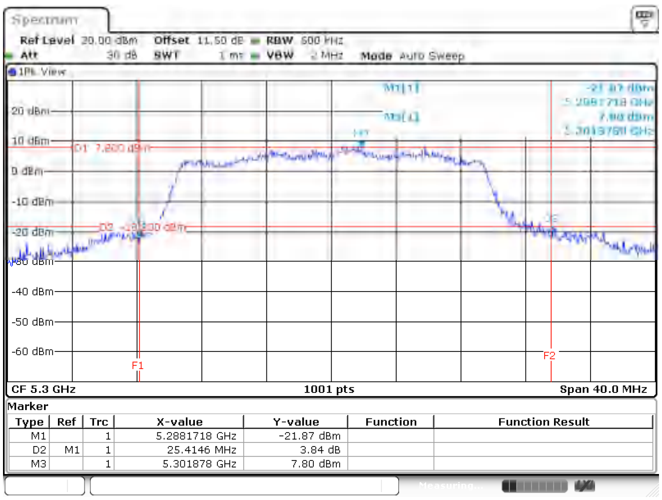
Channel 48



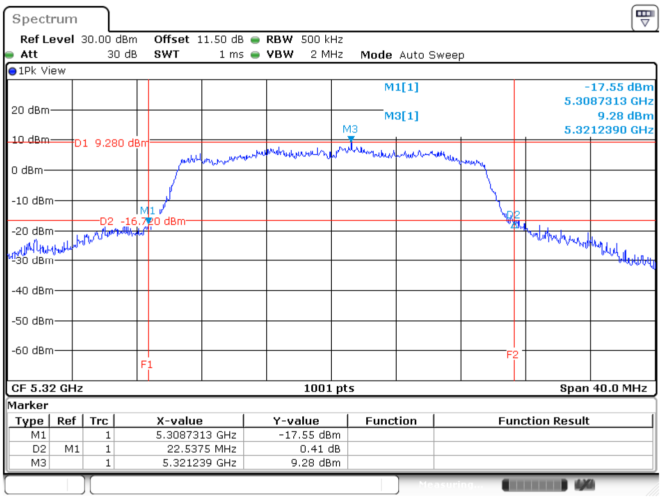
Channel 52

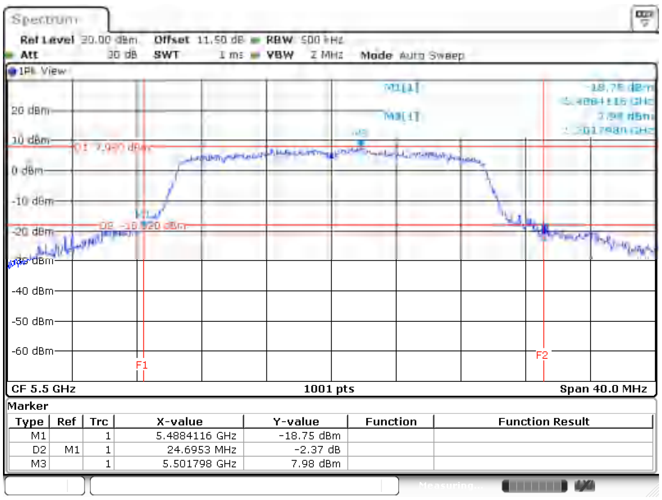
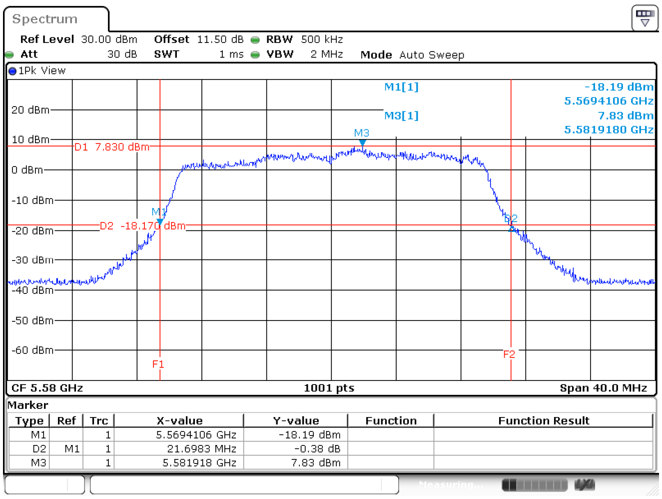
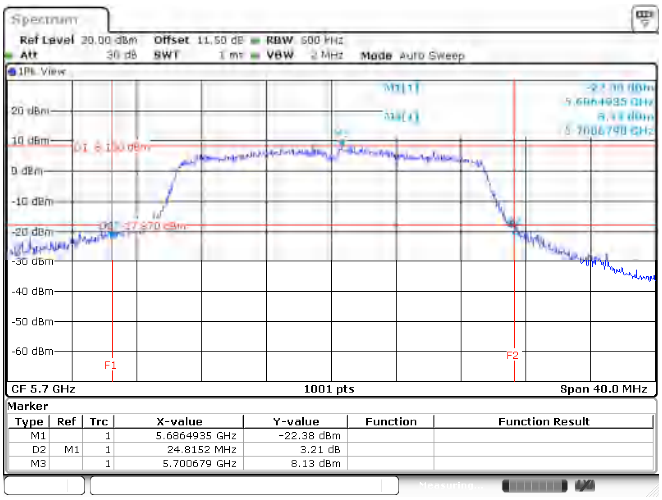


Channel 60



Channel 64

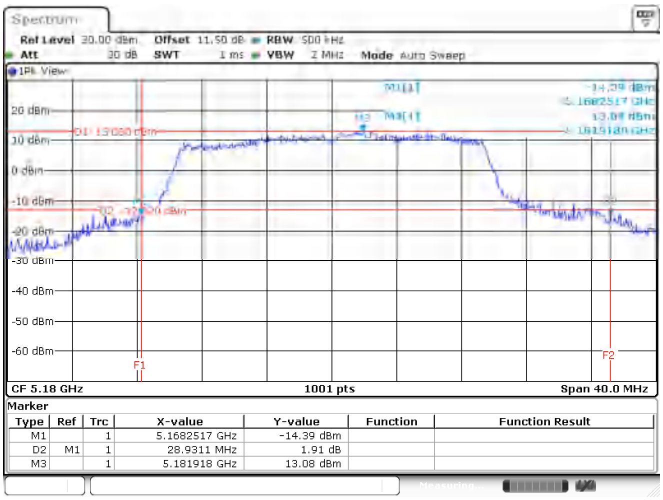


802.11ax HE20	
Channel 100	Channel 116
	
Channel 140	
	

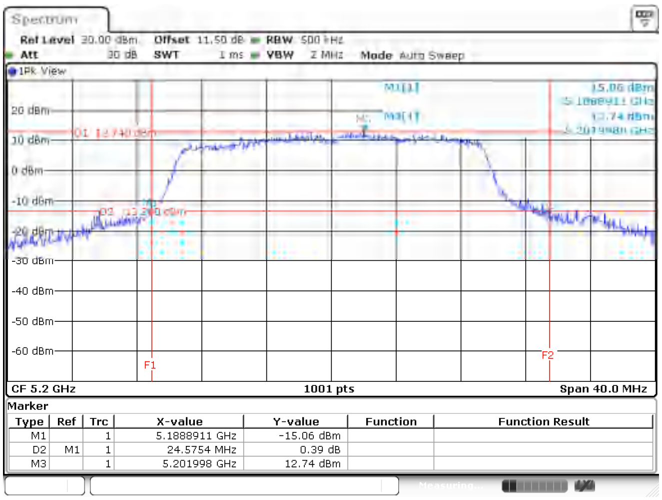
<Chain 2>

802.11ax HE20

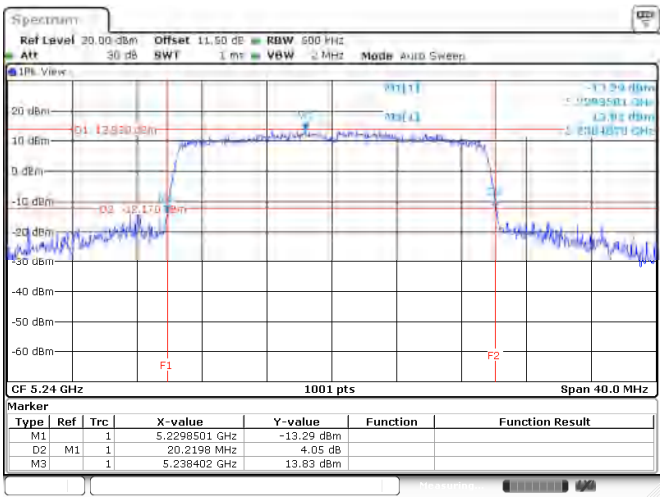
Channel 36



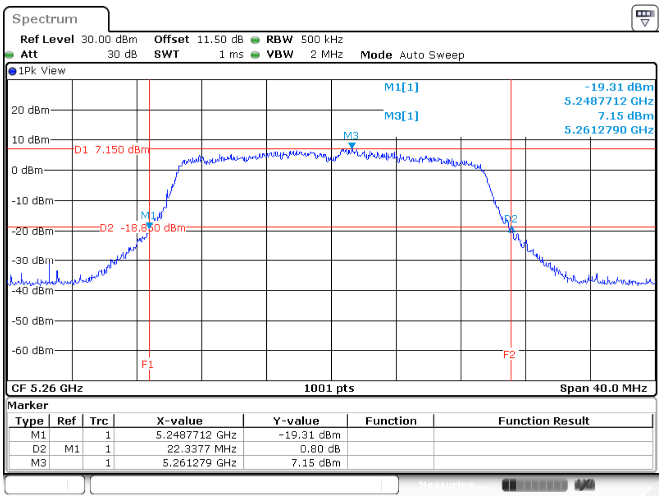
Channel 40



Channel 48

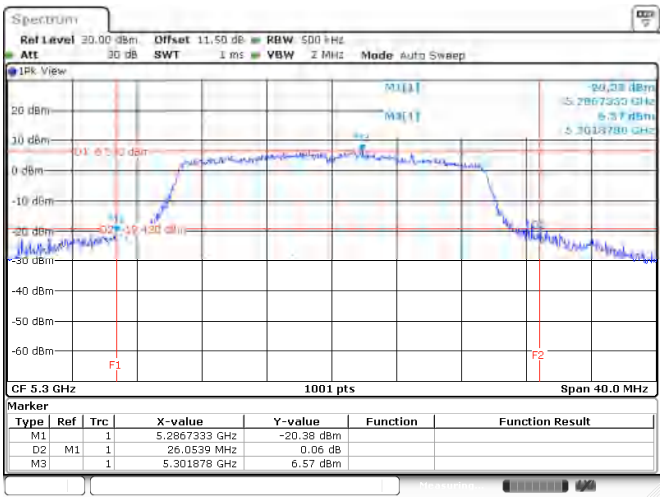


Channel 52

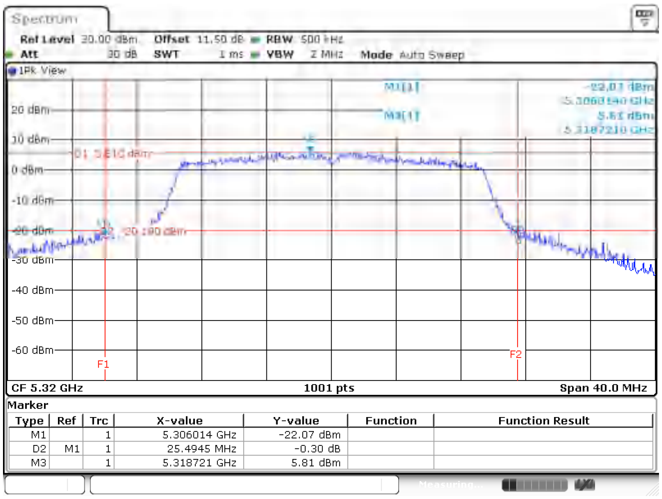


802.11ax HE20

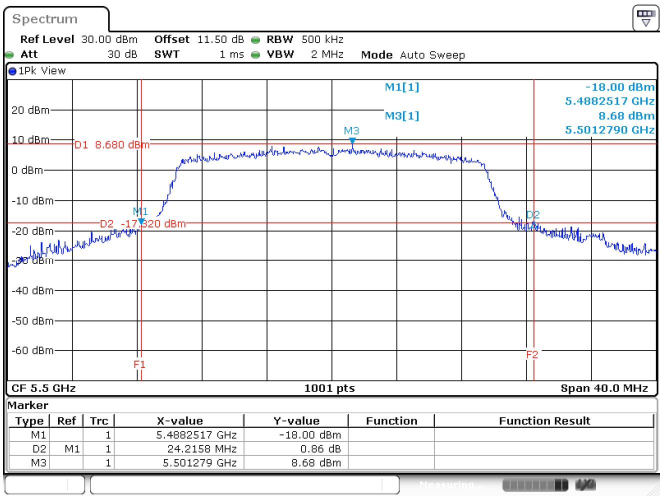
Channel 60



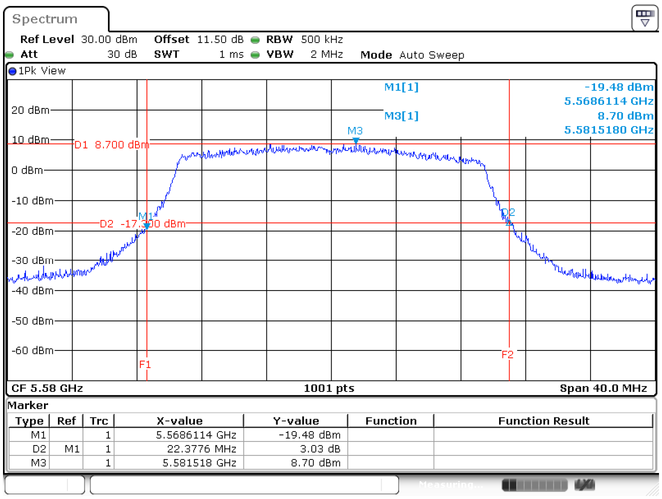
Channel 64

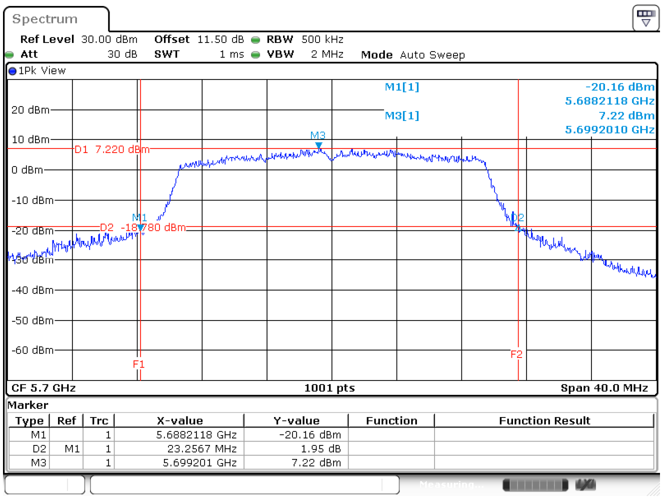


Channel 100



Channel 116

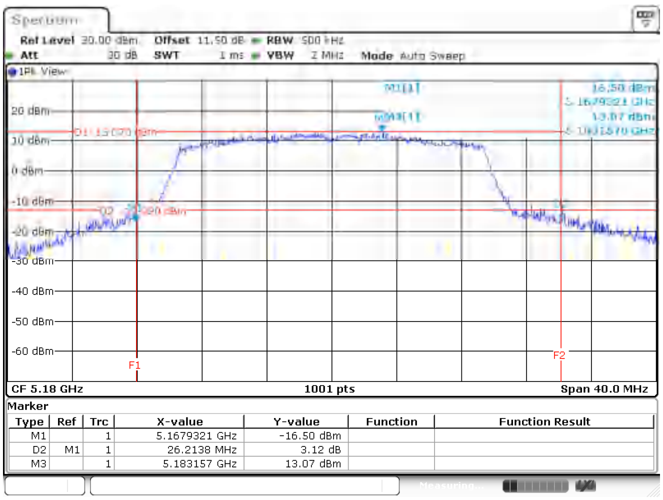


802.11ax HE20	
Channel 140	
	

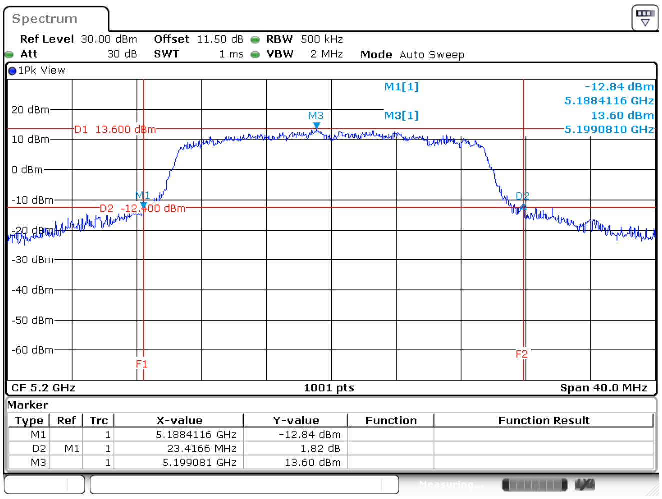
<Chain 3>

802.11ax HE20

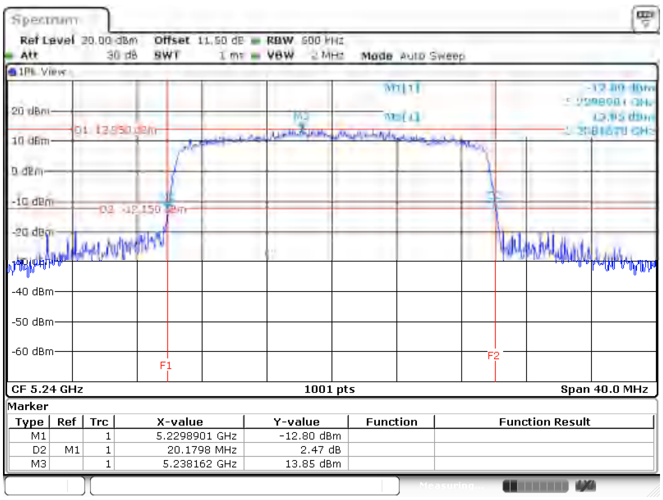
Channel 36



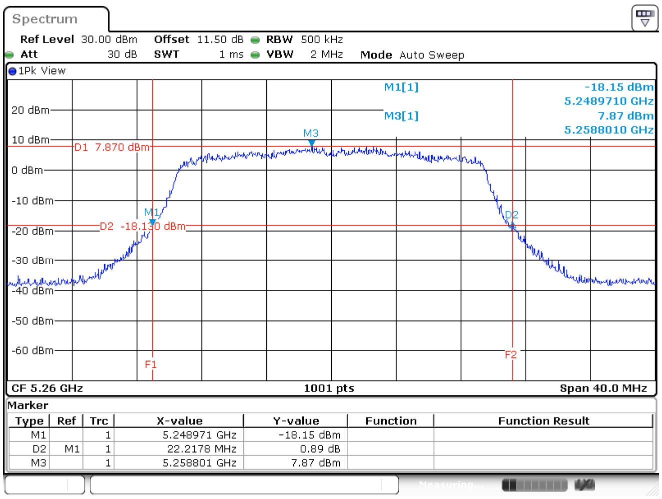
Channel 40



Channel 48

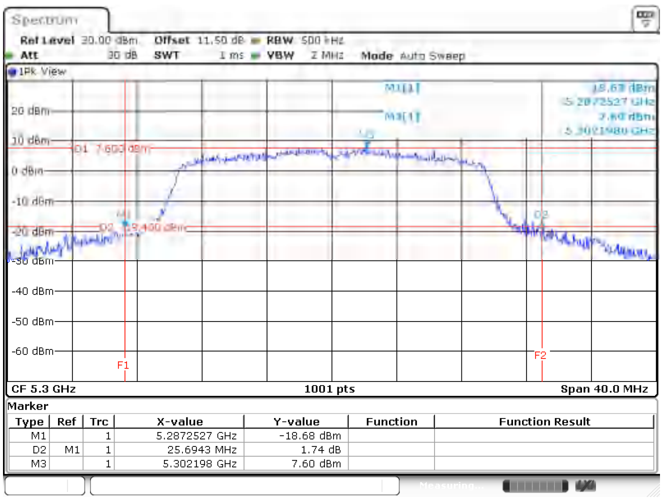


Channel 52

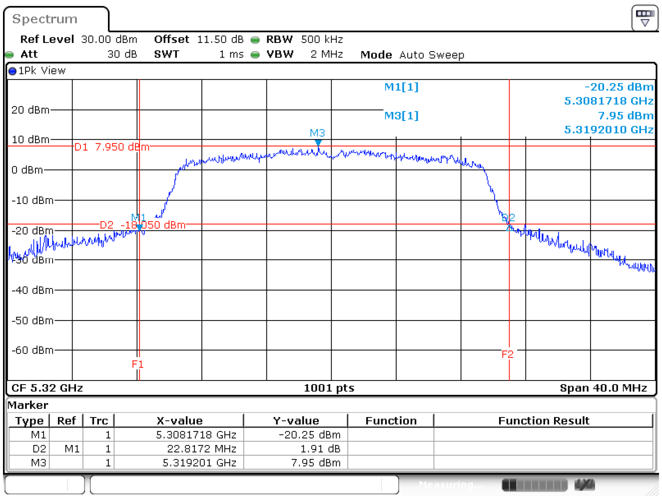


802.11ax HE20

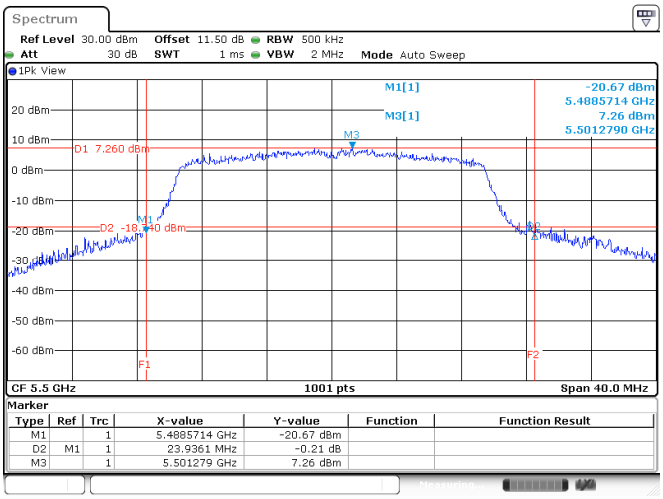
Channel 60



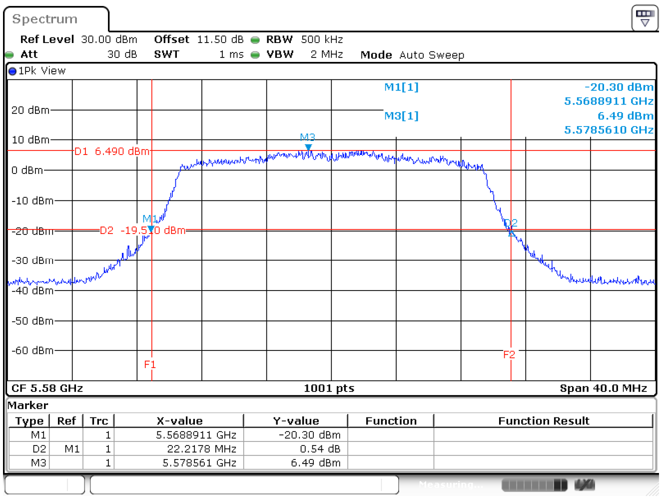
Channel 64

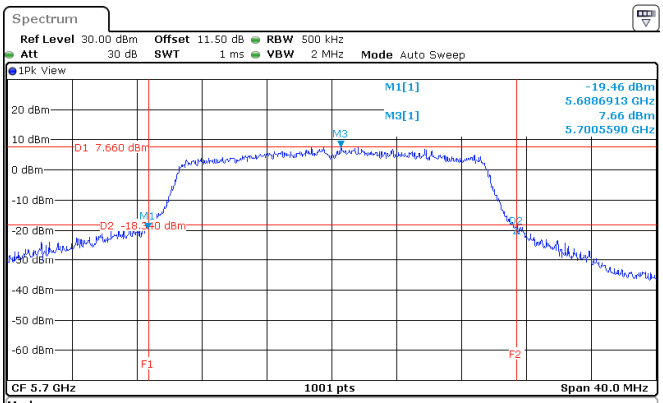


Channel 100



Channel 116



802.11ax HE20	
Channel 140	
	

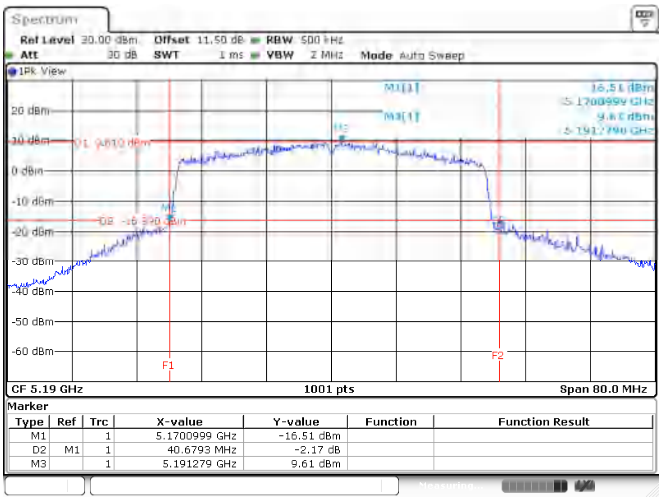
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.6886913 GHz	-19.46 dBm		
D2	M1	1	22.6973 MHz	0.14 dB		
M3		1	5.700559 GHz	7.66 dBm		

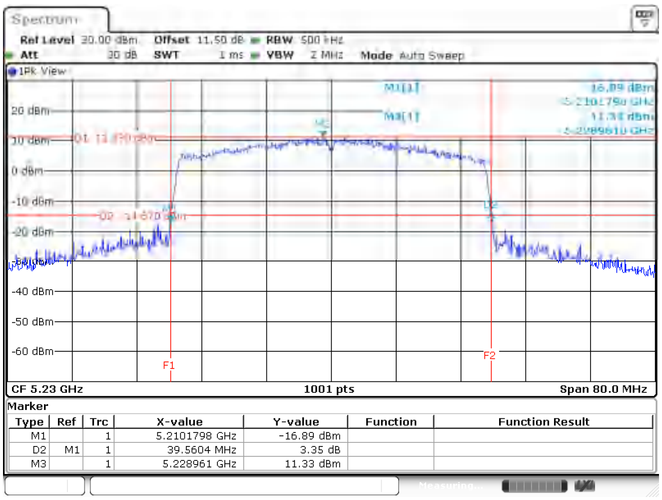
802.11ax HE40

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	38	5190	40.68	39.64	40.36	41.56
	46	5230	39.56	39.40	39.48	39.56
U-NII-2A	54	5270	39.56	39.40	39.64	39.56
	62	5310	40.76	41.64	39.56	39.56
U-NII-2C	102	5510	39.48	39.56	39.88	39.64
	110	5500	39.56	39.48	39.48	39.48
	134	5670	39.48	40.28	42.68	39.48

<Chain 0>

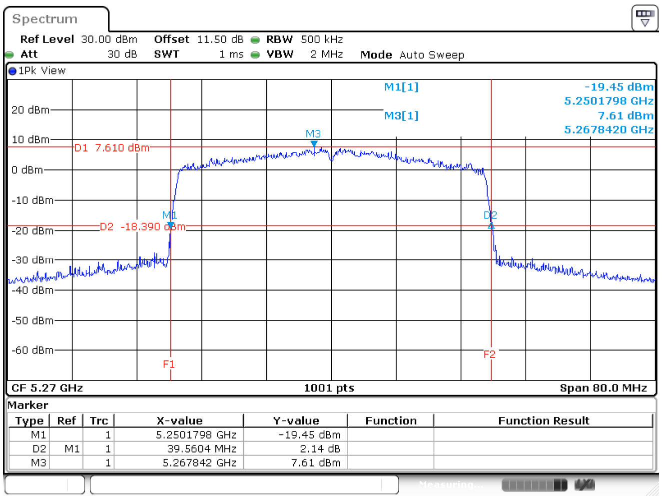
802.11ax HE40	
Channel 38	Channel 46



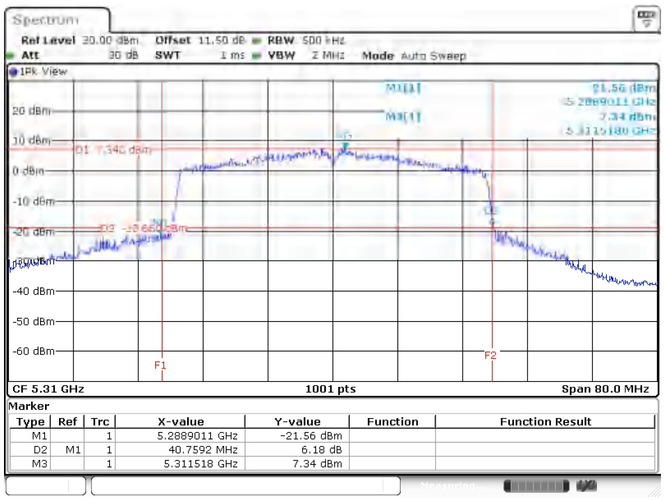


802.11ax HE40

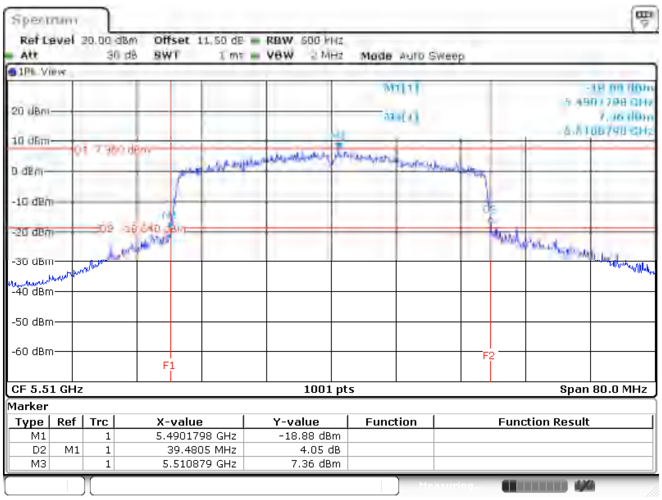
Channel 54



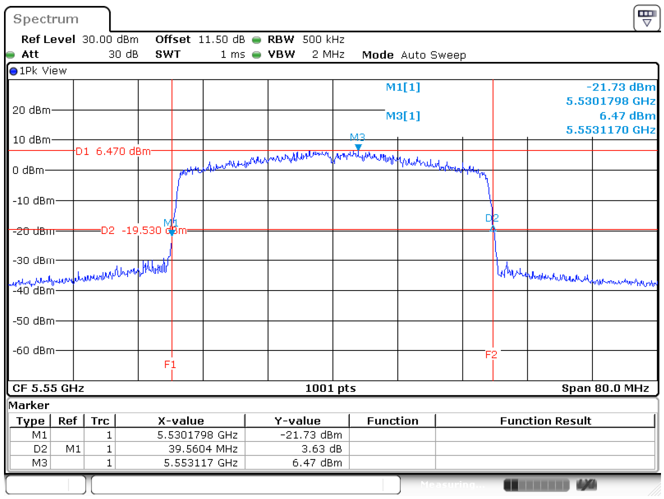
Channel 62

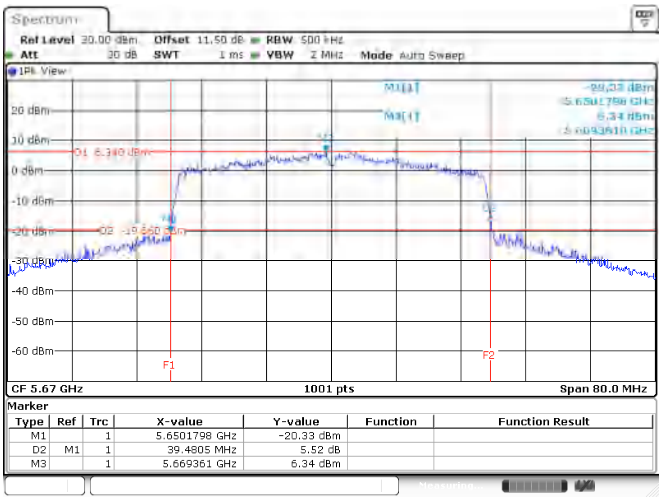


Channel 102



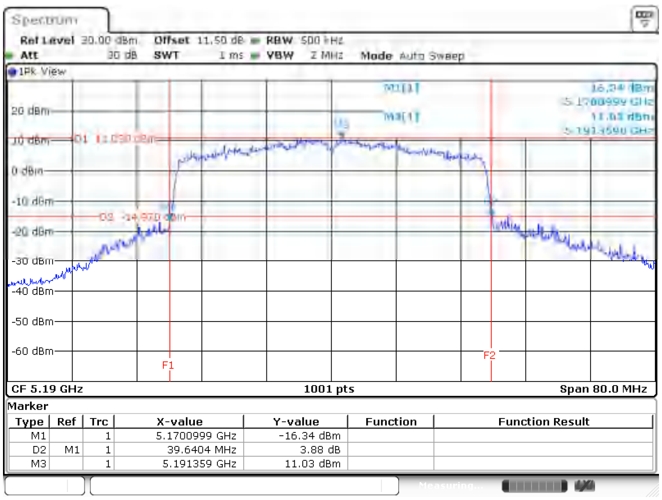
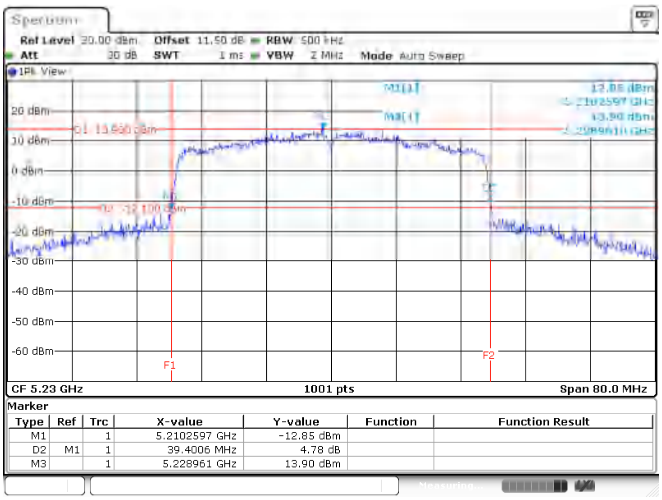
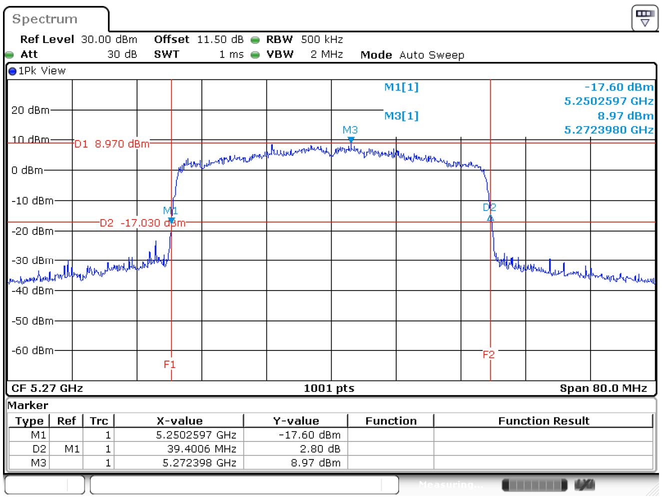
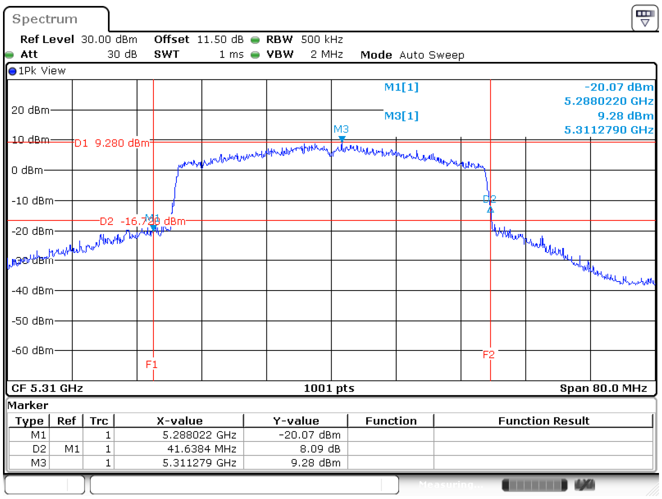
Channel 110



802.11ax HE40	
Channel 134	
	

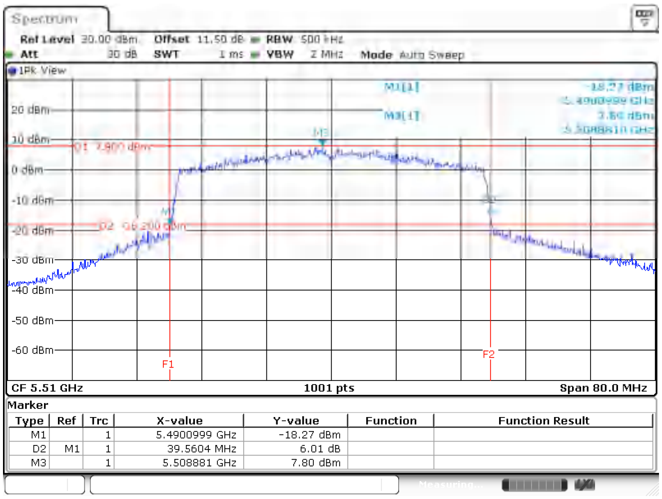
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.6501798 GHz	-20.33 dBm		
D2	M1	1	39.4805 MHz	5.52 dB		
M3		1	5.669361 GHz	6.34 dBm		

<Chain 1>

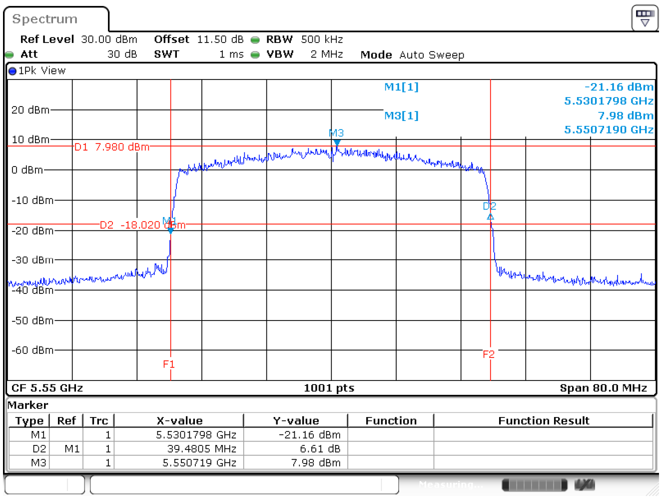
802.11ax HE40	
Channel 38	Channel 46
	
Channel 54	Channel 62
	

802.11ax HE40

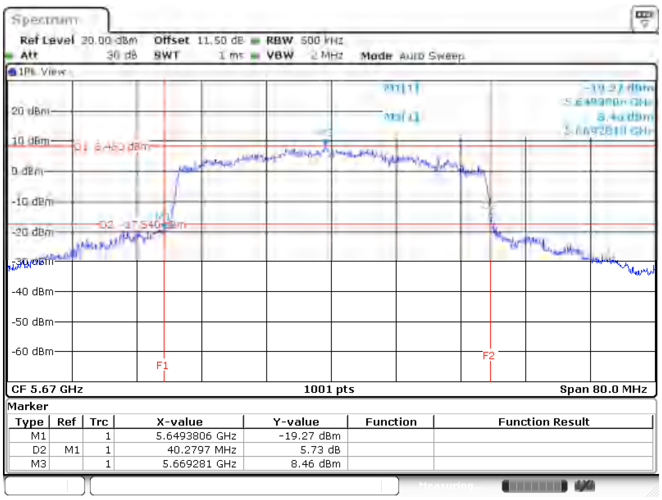
Channel 102



Channel 110



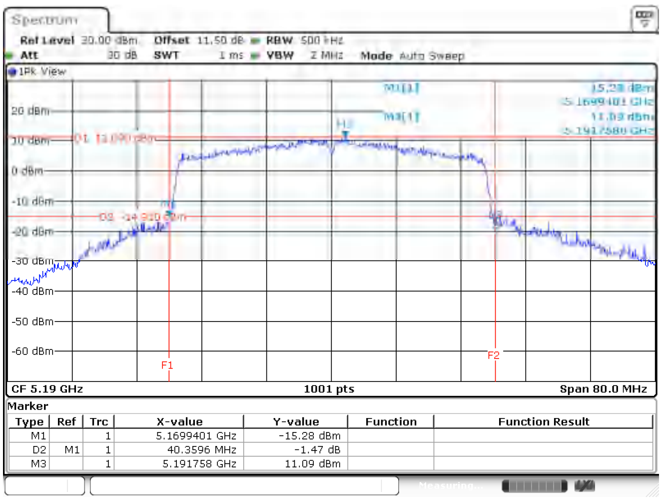
Channel 134



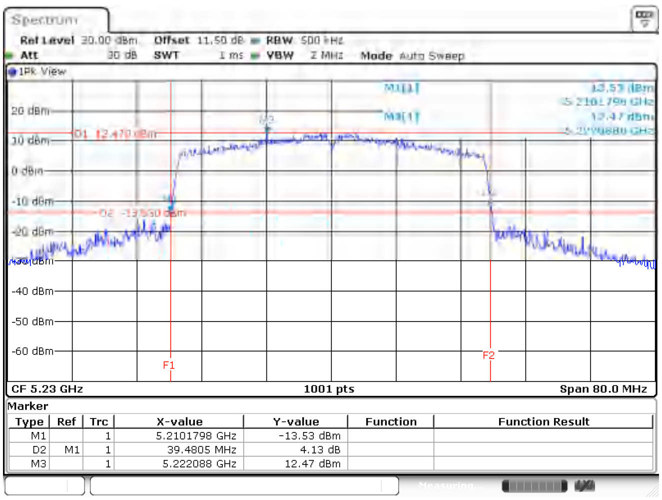
<Chain 2>

802.11ax HE40

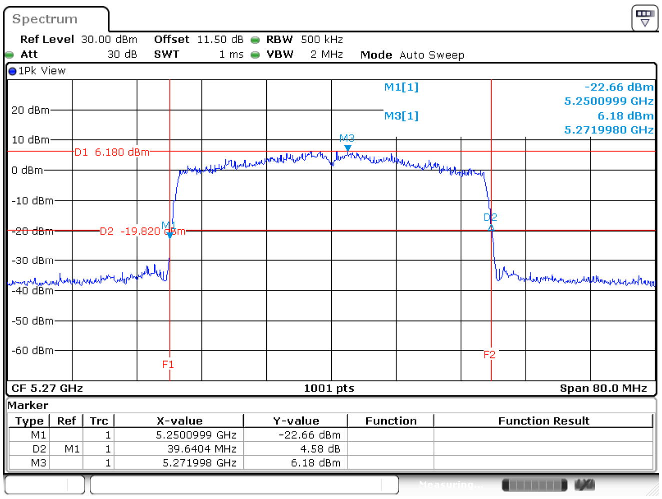
Channel 38



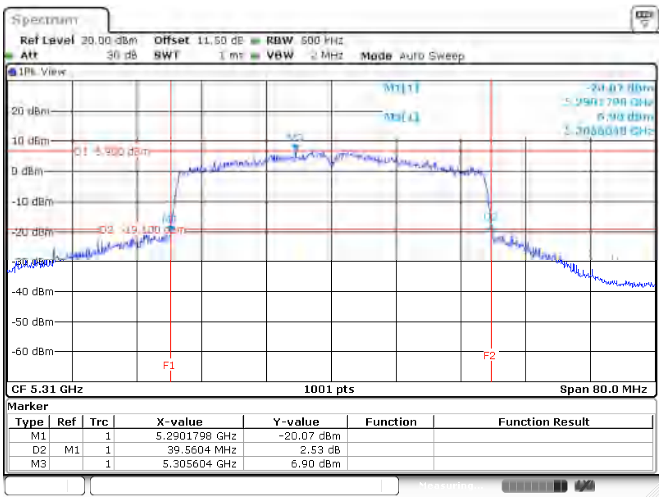
Channel 46



Channel 54

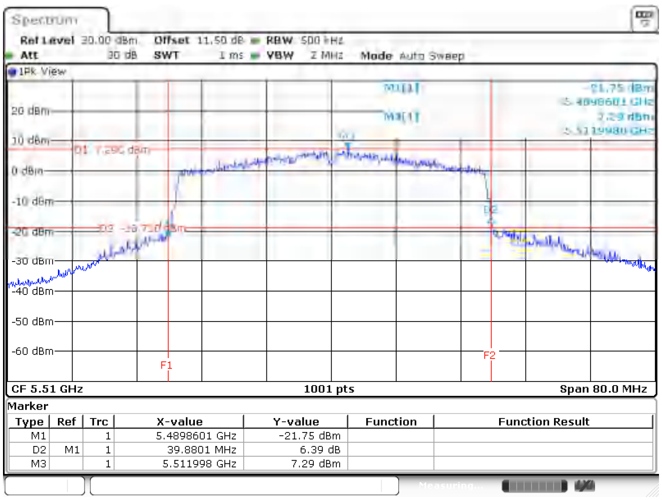


Channel 62

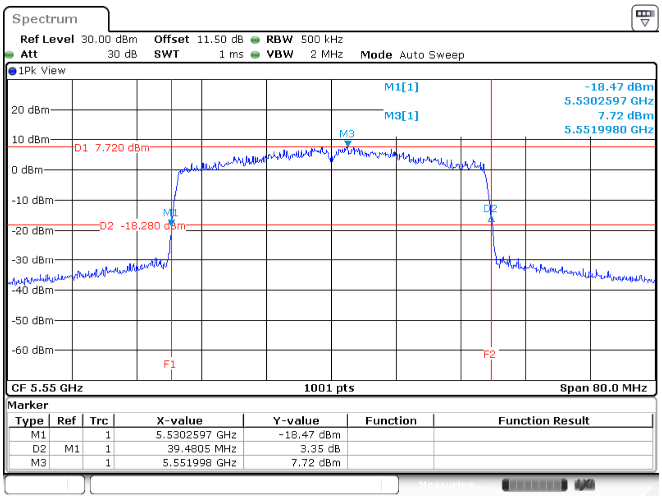


802.11ax HE40

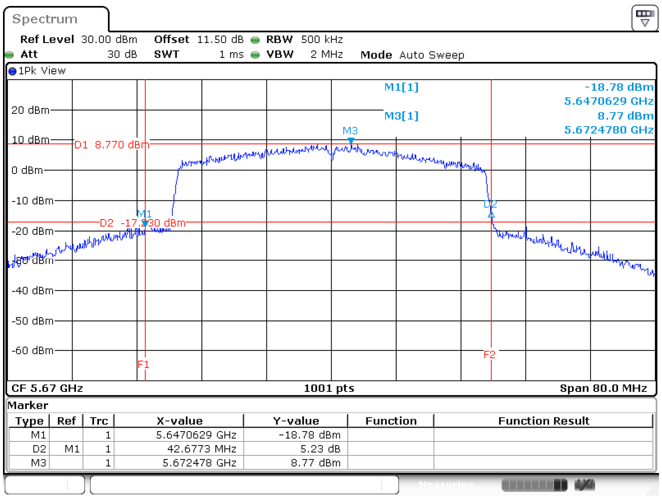
Channel 102



Channel 110



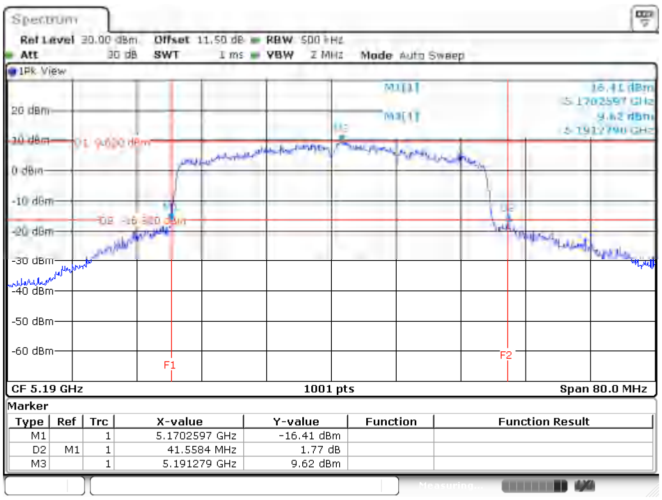
Channel 134



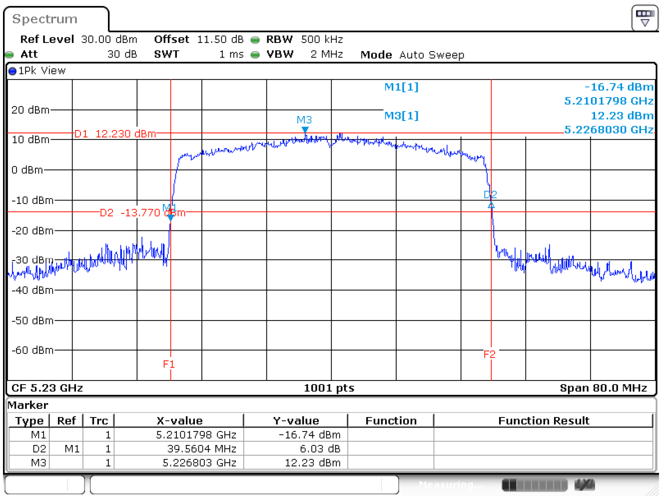
<Chain 3>

802.11ax HE40

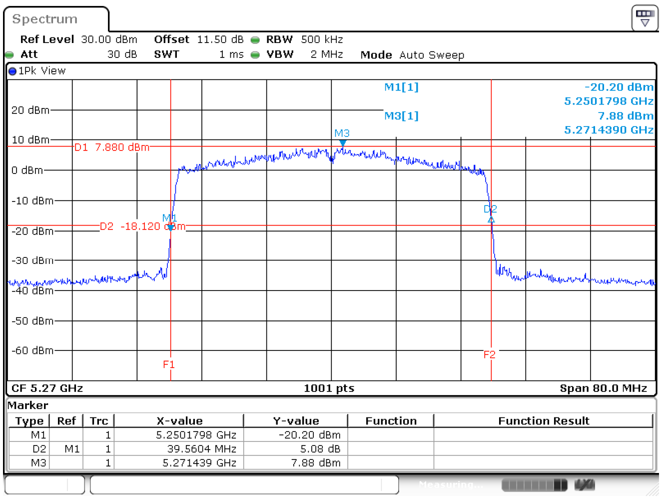
Channel 38



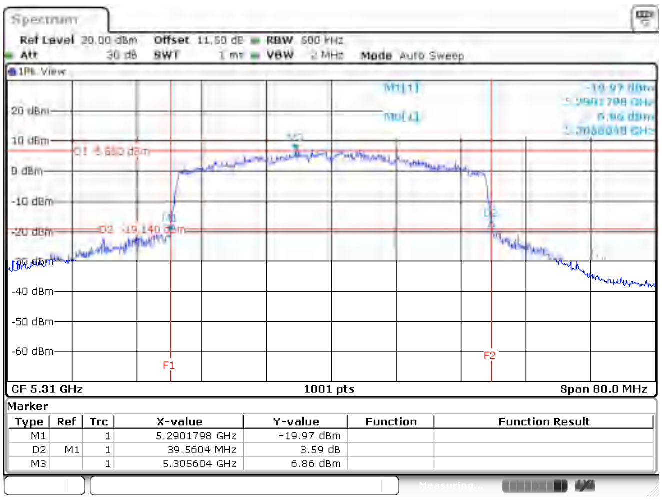
Channel 46



Channel 54

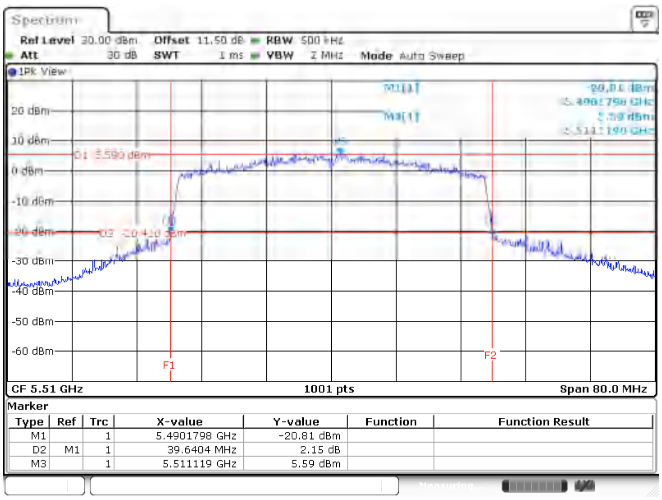


Channel 62

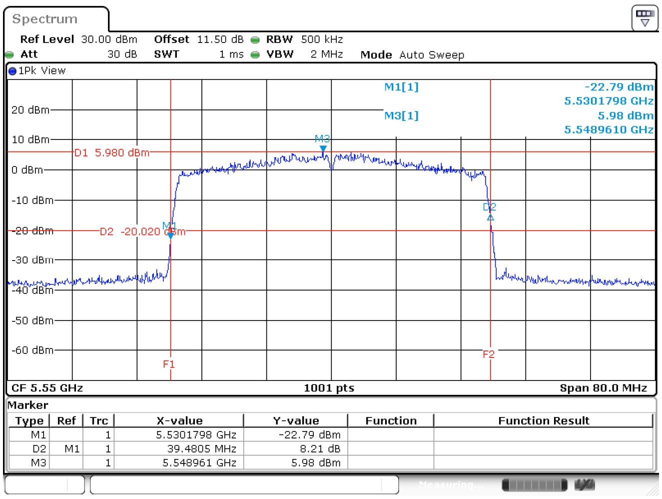


802.11ax HE40

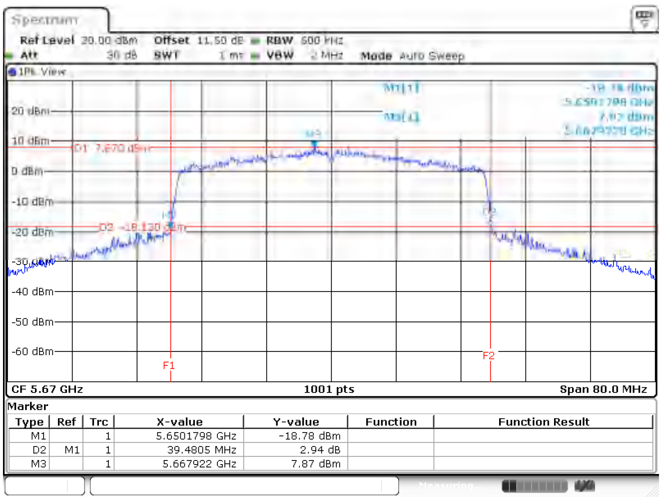
Channel 102



Channel 110



Channel 134



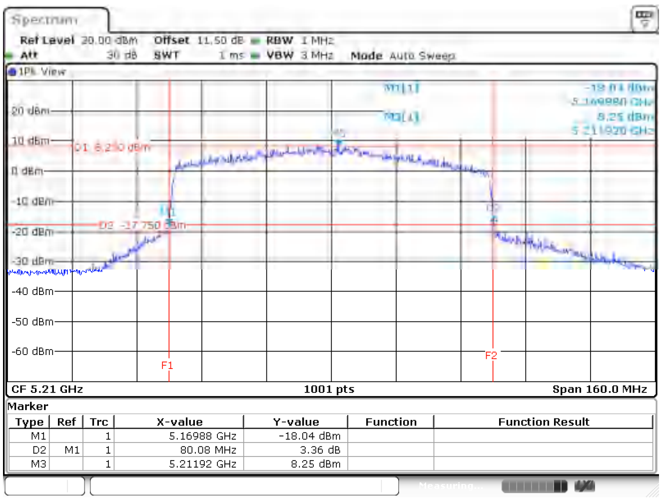
802.11ax HE80

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	42	5210	80.08	80.08	79.92	80.08
U-NII-2A	58	5290	80.24	80.24	80.08	80.24
U-NII-2C	106	5530	80.24	79.92	83.28	80.24
	122	5610	79.92	79.76	80.24	80.08

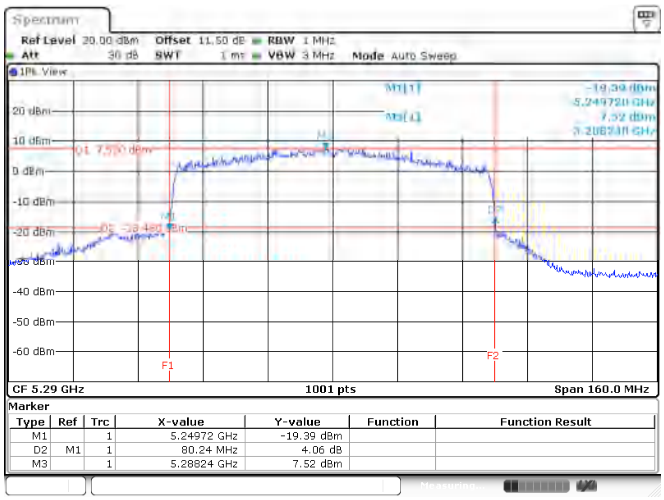
<Chain 0>

802.11ax HE80

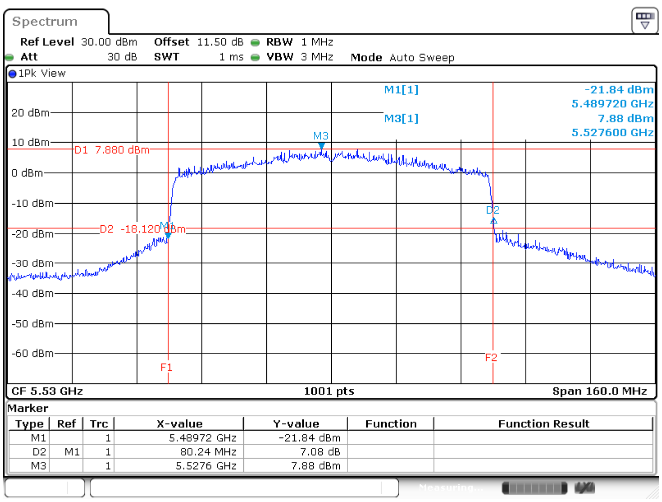
Channel 42



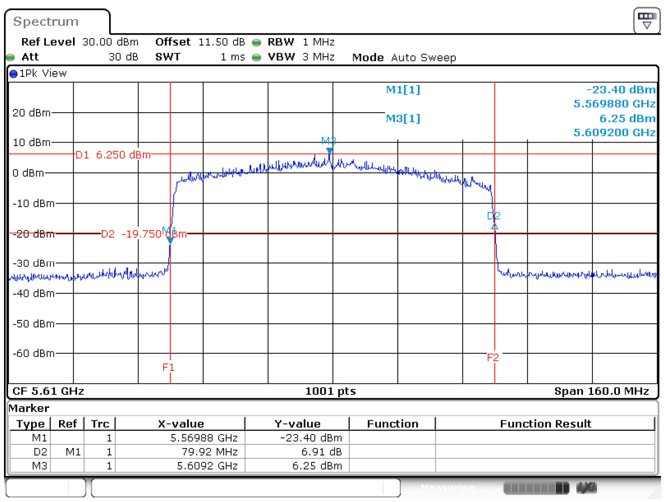
Channel 58



Channel 106



Channel 122



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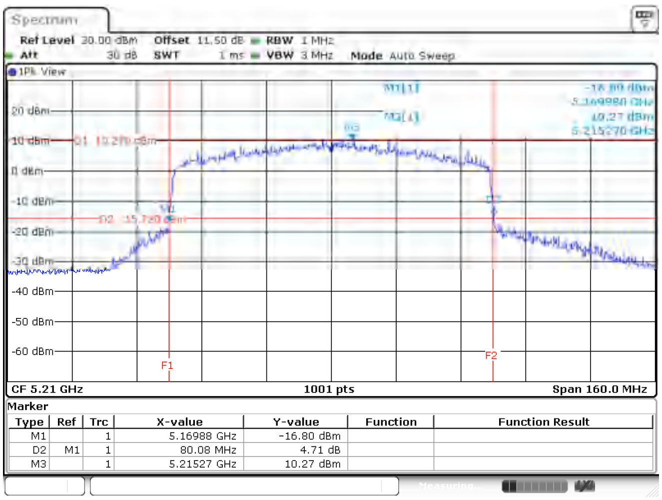
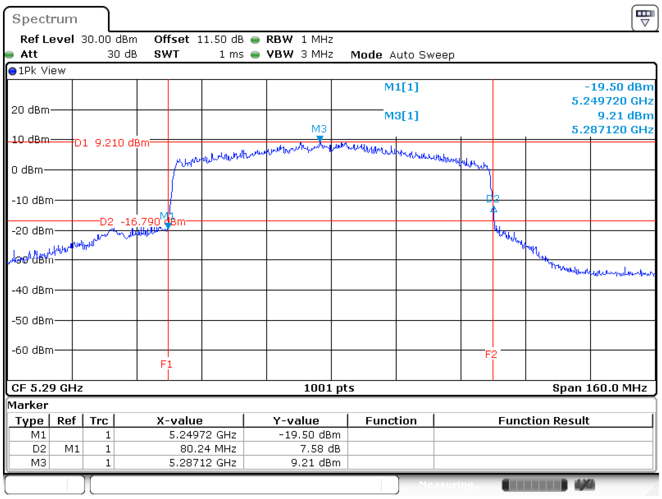
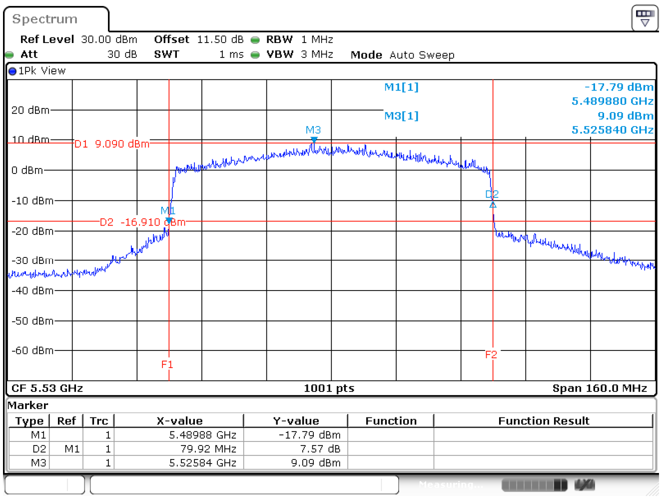
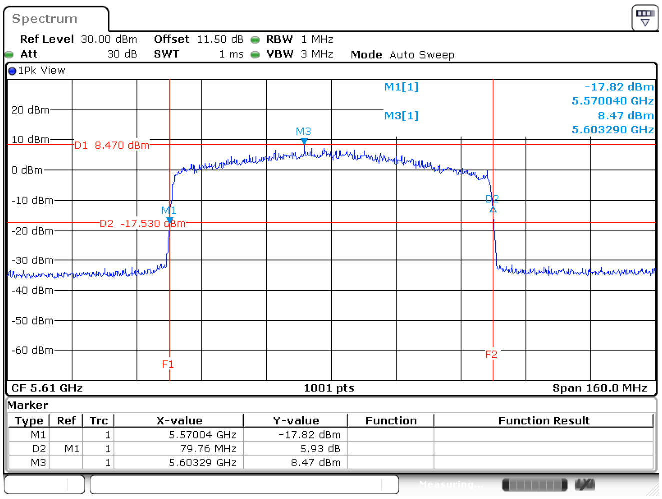
802.11ax HE80	
Channel 42	Channel 58
	
Channel 106	Channel 122
	

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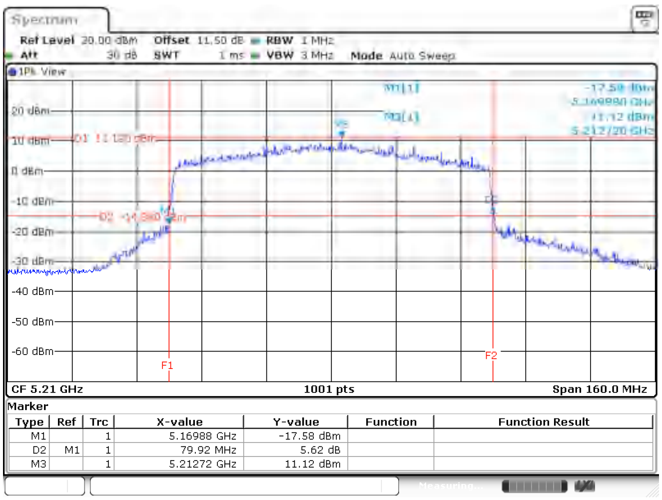
802.11ax HE80

Channel 42



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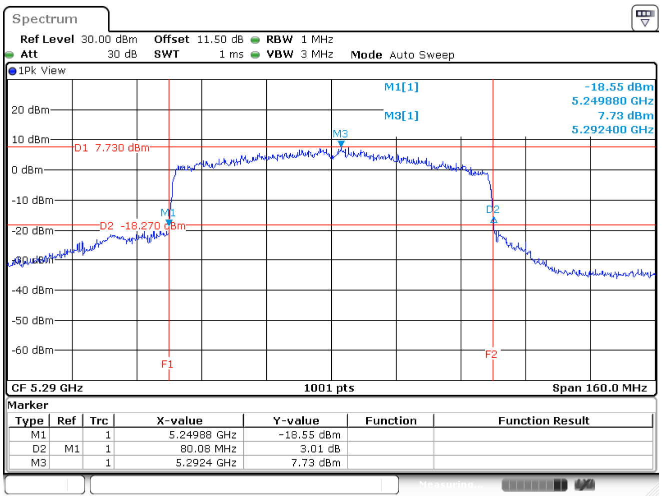

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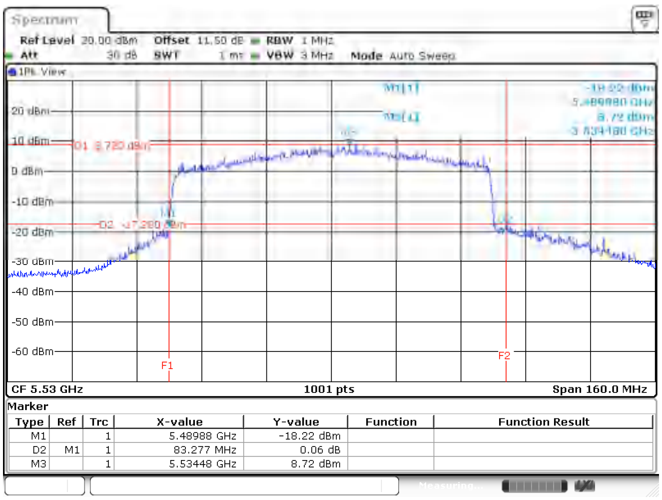

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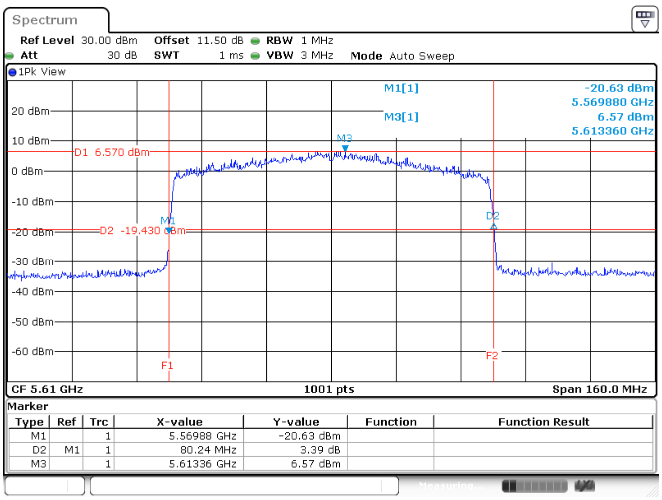

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802.11ax HE80

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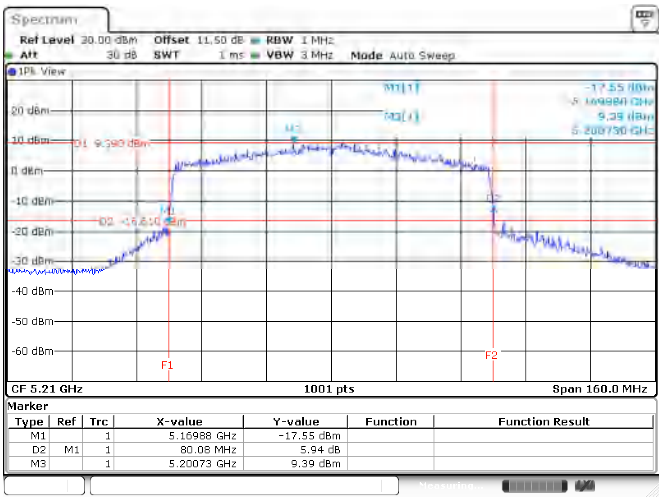

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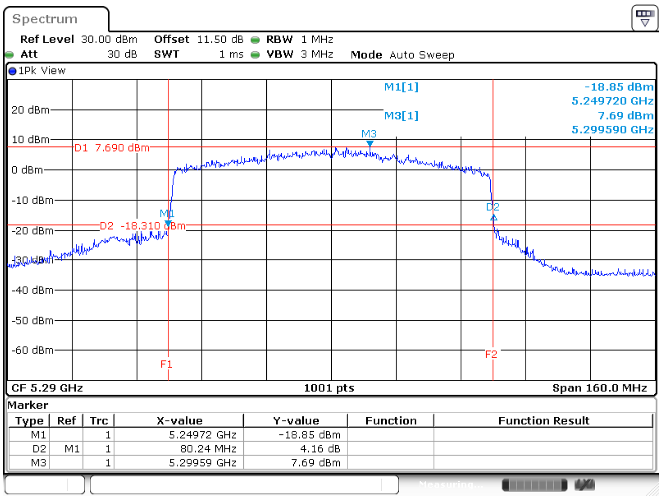

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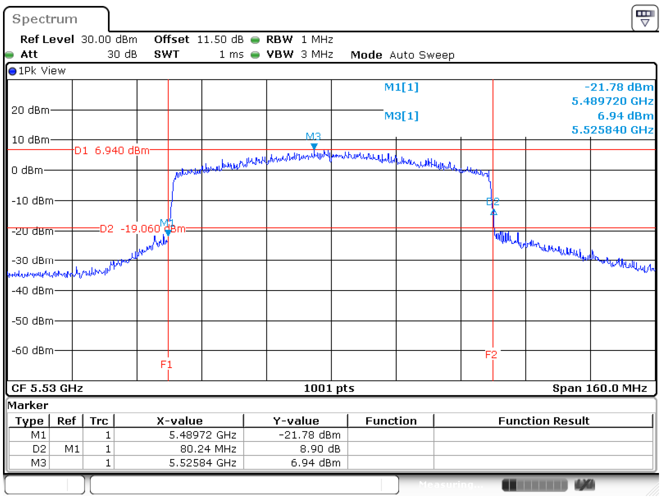

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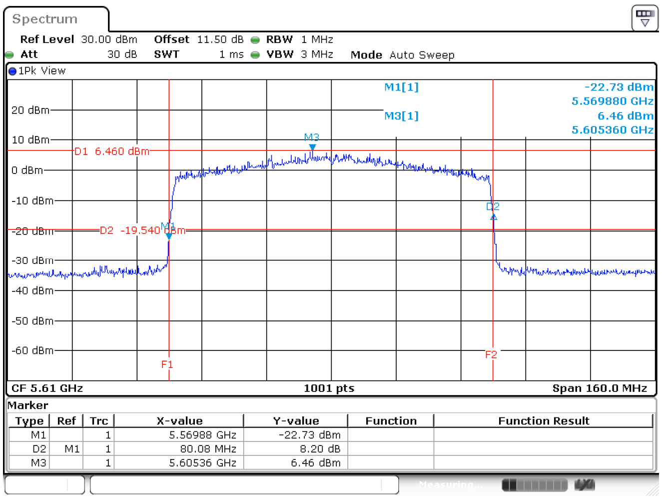


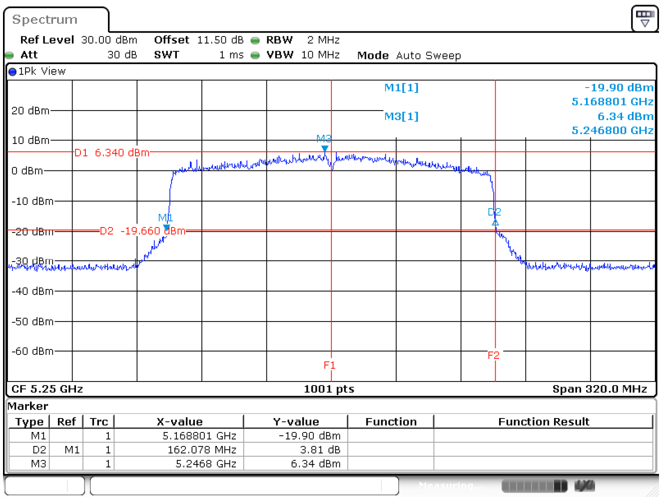
802.11ax HE160

Band	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	50	5250	81.20	81.20	81.20	81.20
U-NII-2A	50	5250	80.88	80.56	80.56	80.56
U-NII-2C	114	5570	162.08	162.72	163.04	162.08

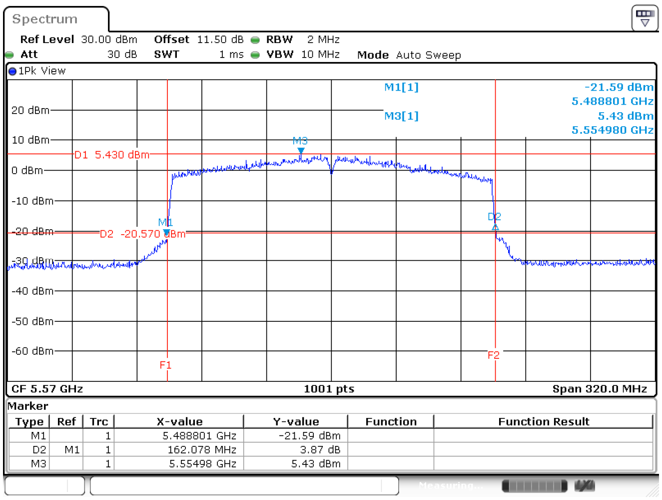
<Chain 0>

802.11ax HE160

Channel 50



Channel 114



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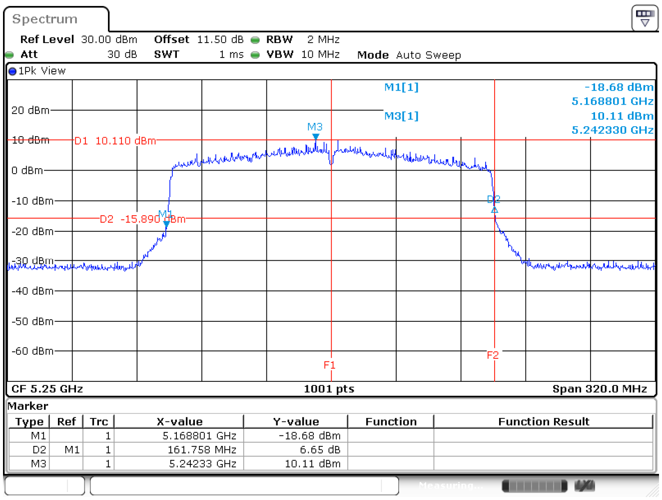
802.11ax HE160

Channel 50



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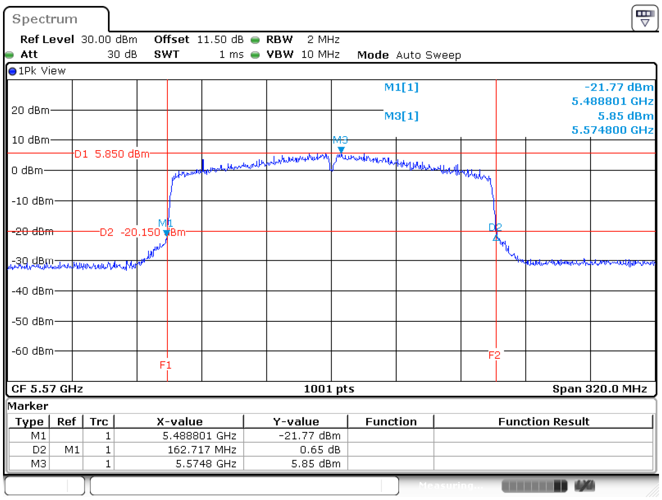

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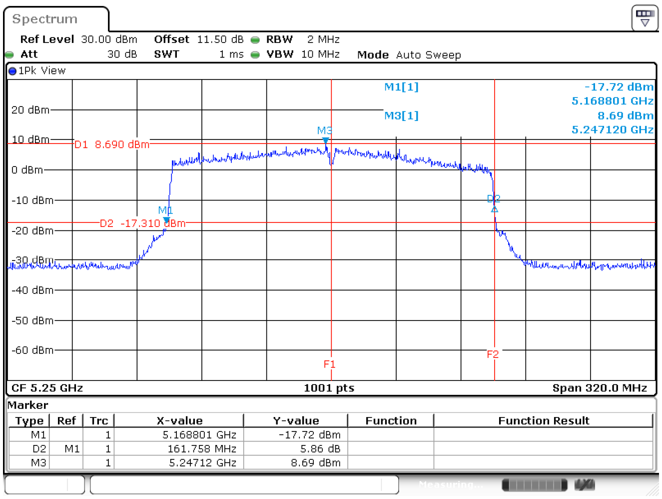
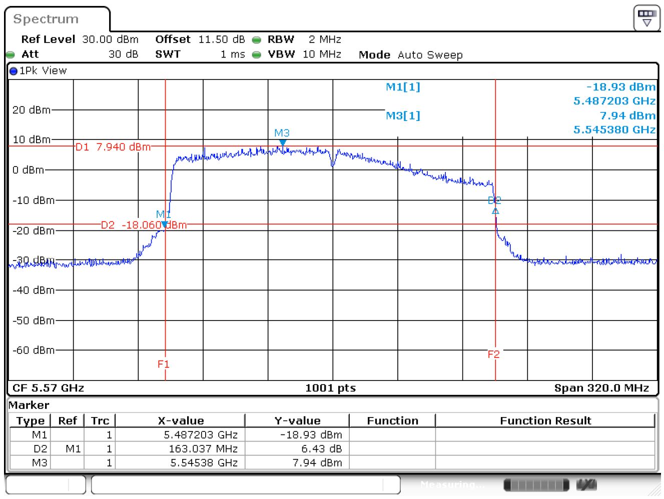
<tr><td></td><td></td></tr>
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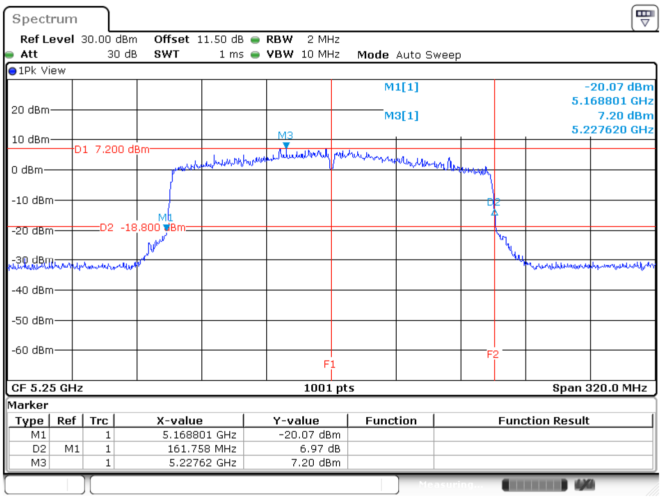
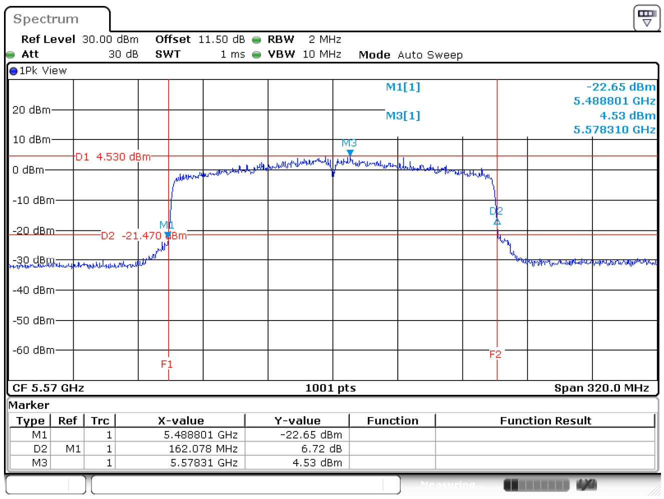
<tr><td></td><td></td></tr>
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Test Result of 99% Occupied Bandwidth

802.11ax HE20

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)			
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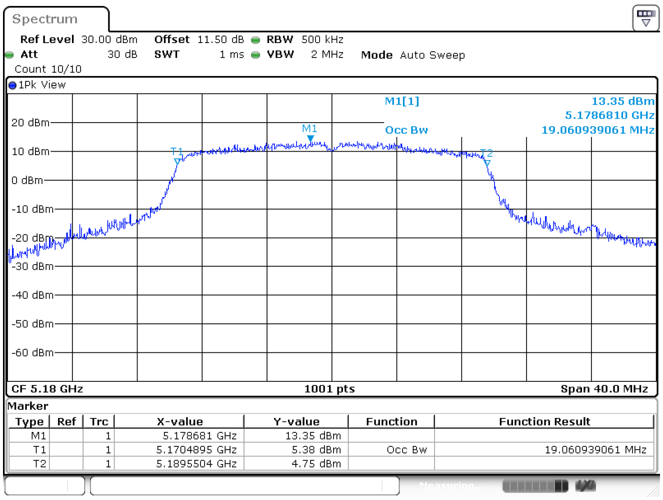
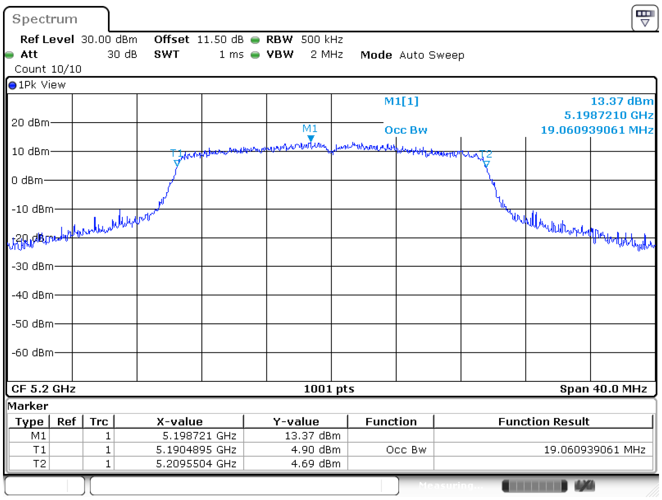
U-NII-1	36	5180	19.06	19.10	19.18	19.10
	40	5200	19.06	19.10	19.10	19.06
	48	5240	18.86	18.86	18.86	18.74
U-NII-2A	52	5260	18.98	18.98	19.02	18.94
	60	5300	19.14	19.18	19.18	19.06
	64	5320	19.14	19.14	19.10	19.02
U-NII-2C	100	5500	19.10	19.14	19.14	19.02
	116	5580	18.98	18.98	19.02	18.90
	140	5700	19.10	19.10	19.10	19.06
U-NII-3	149	5745	19.10	19.14	19.10	19.10
	157	5785	19.02	19.02	19.06	18.98
	165	5825	19.06	19.10	19.22	19.14

<Chain 0>

802.11ax HE20

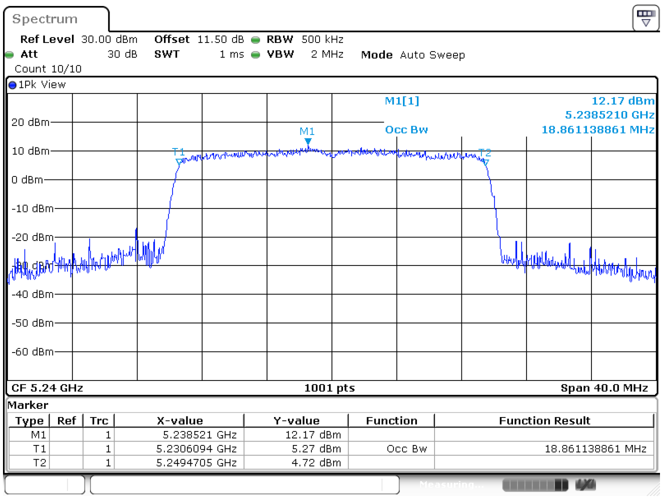
Channel 36	Channel 40



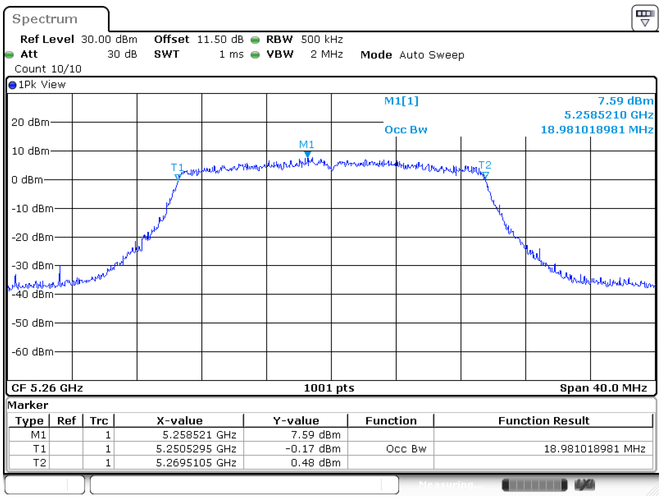


802.11ax HE20

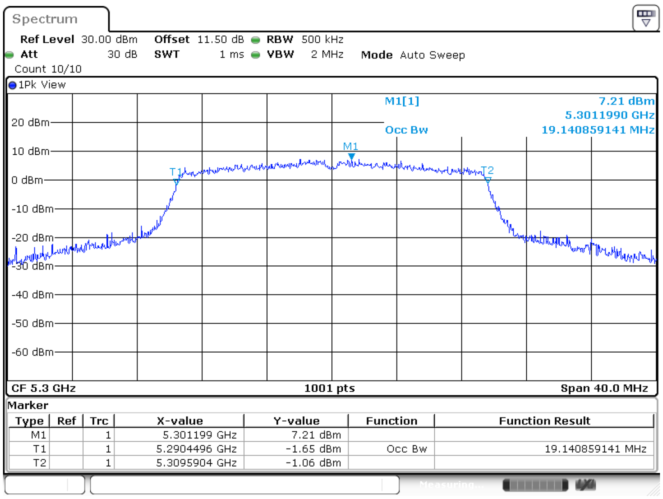
Channel 48



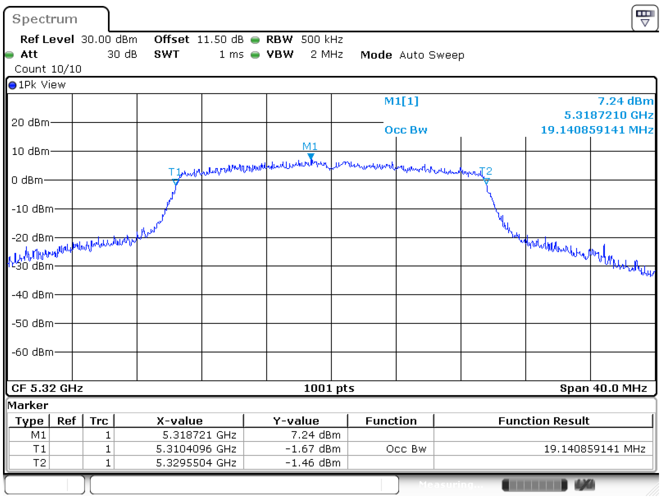
Channel 52



Channel 60

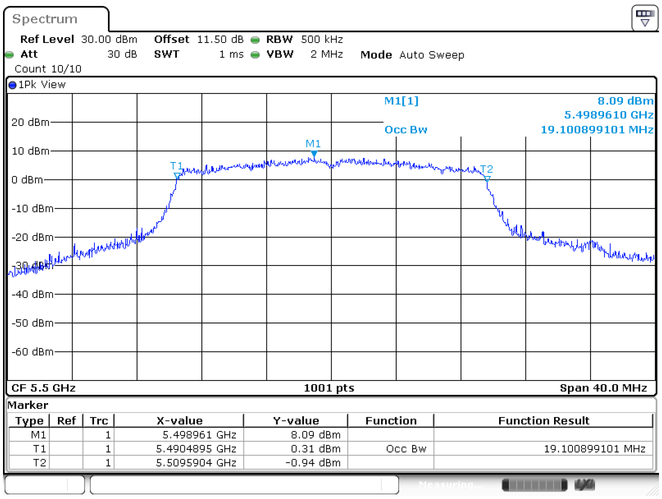


Channel 64

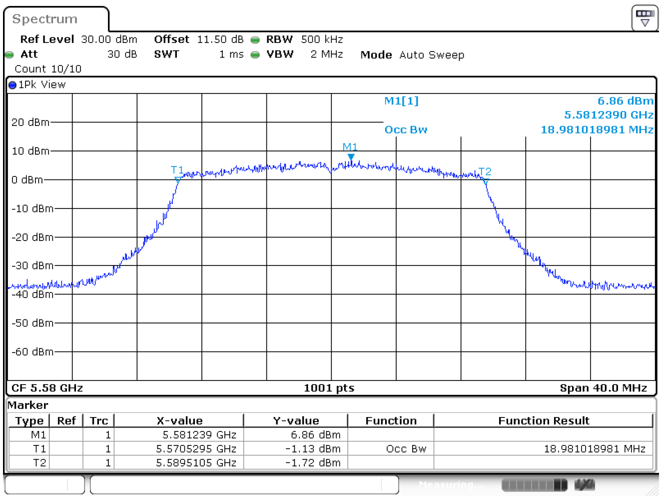


802.11ax HE20

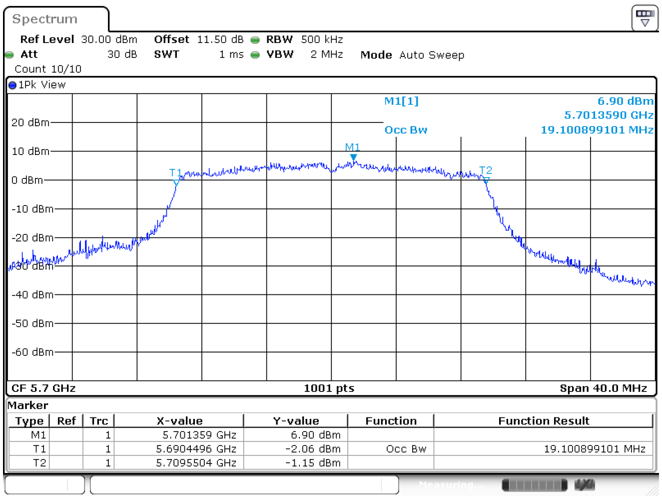
Channel 100



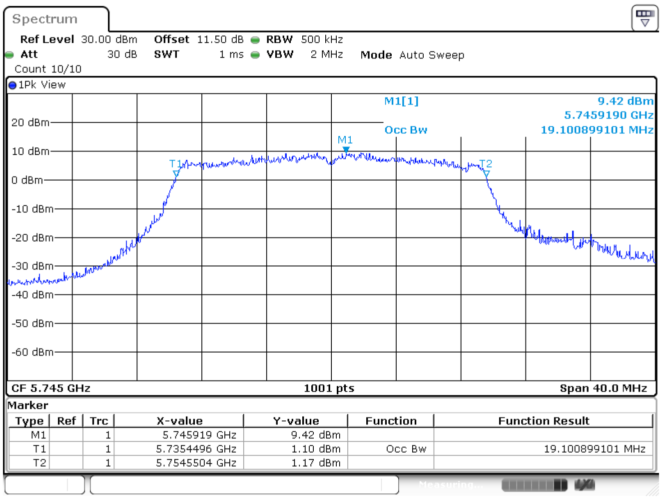
Channel 116



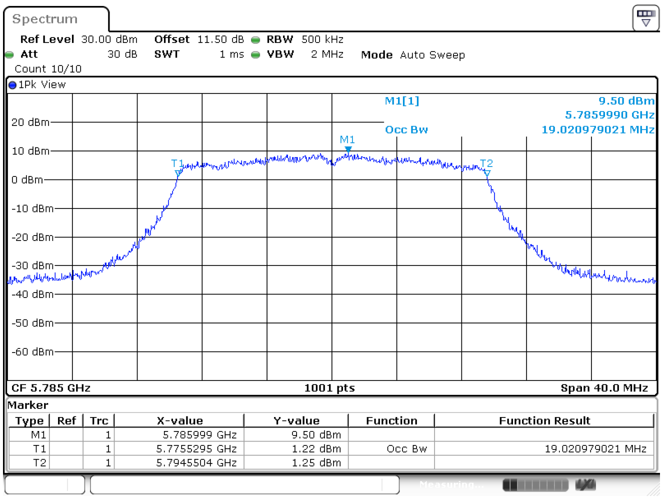
Channel 140

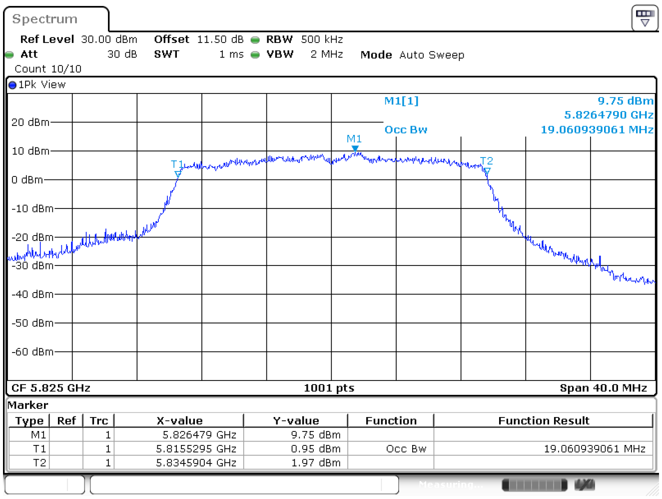


Channel 149



802.11ax HE20	
Channel 157	**Channel 165**





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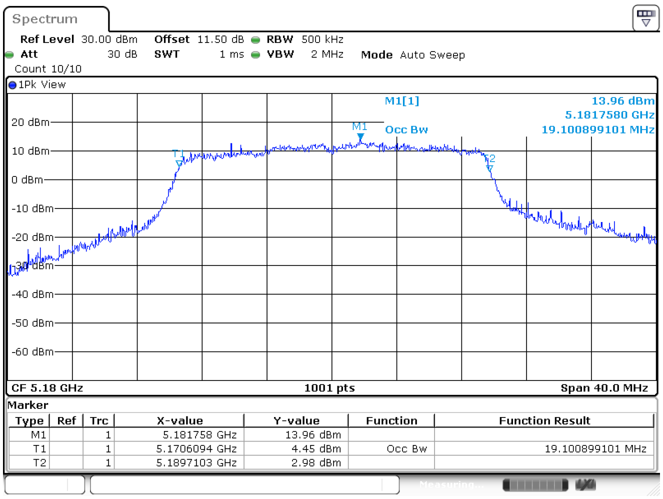
802.11ax HE20

Channel 36



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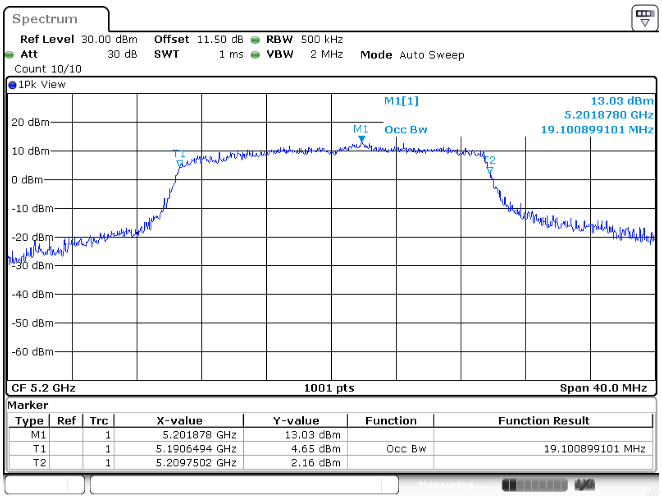

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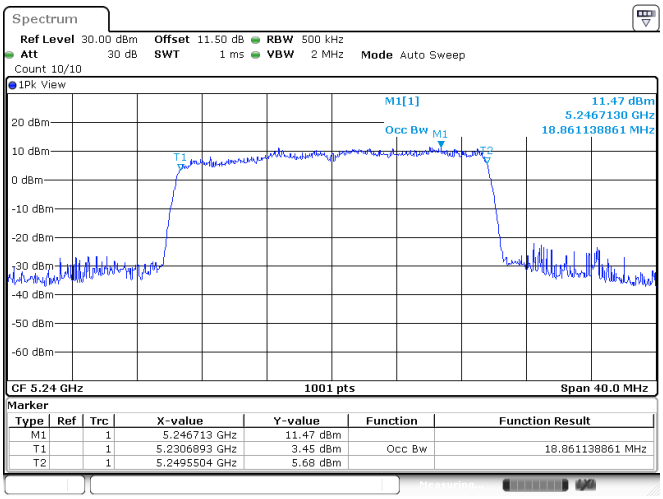

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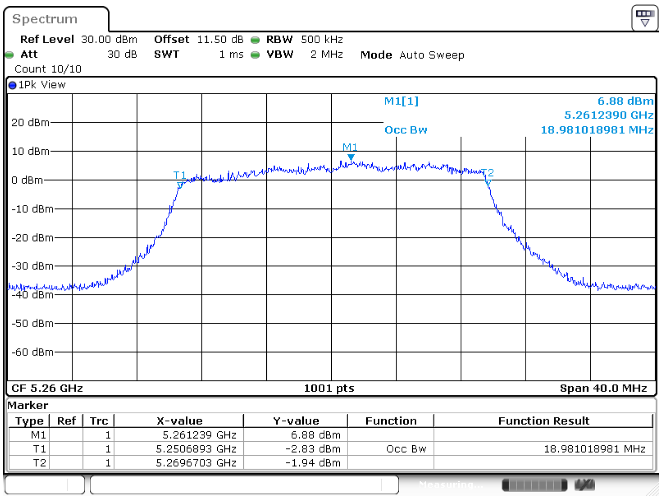
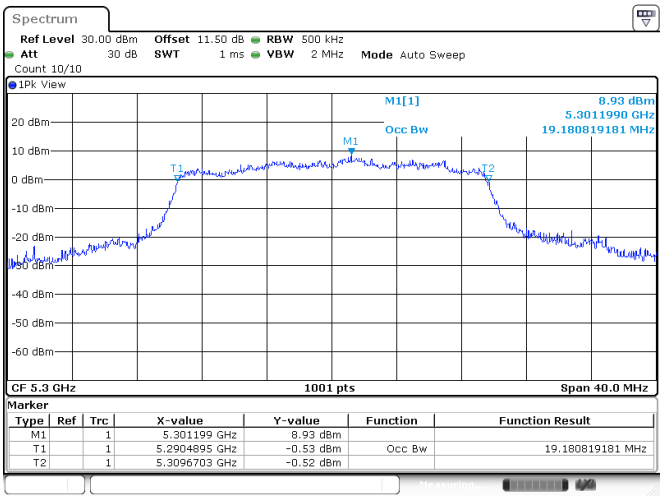
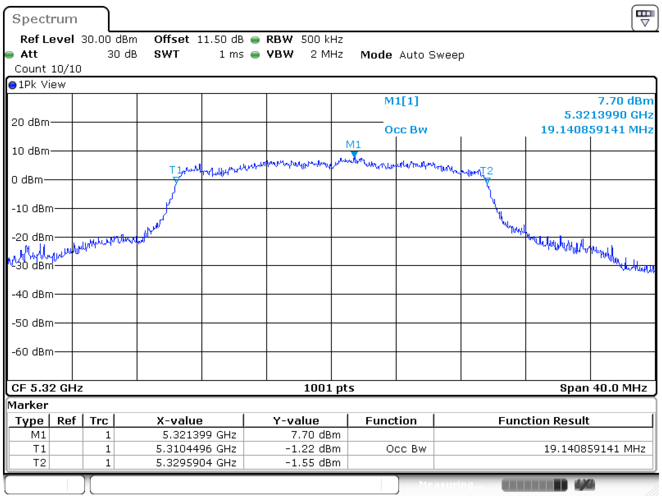


802.11ax HE20

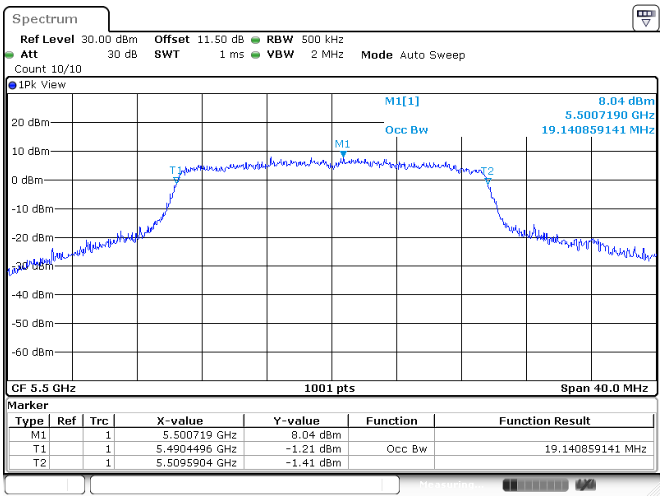
Channel 60



Channel 64



Channel 100



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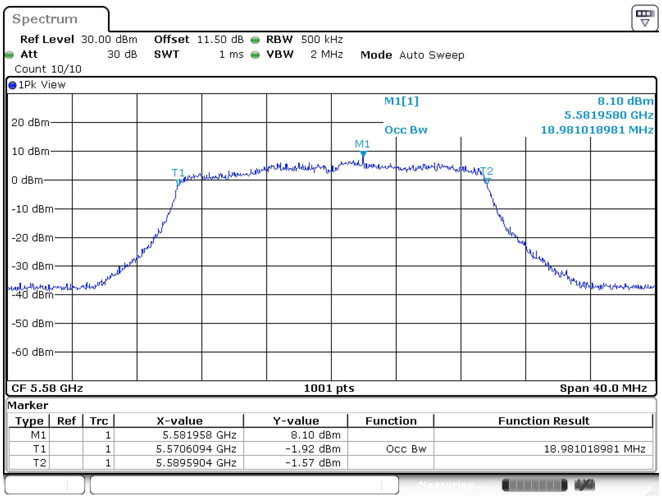
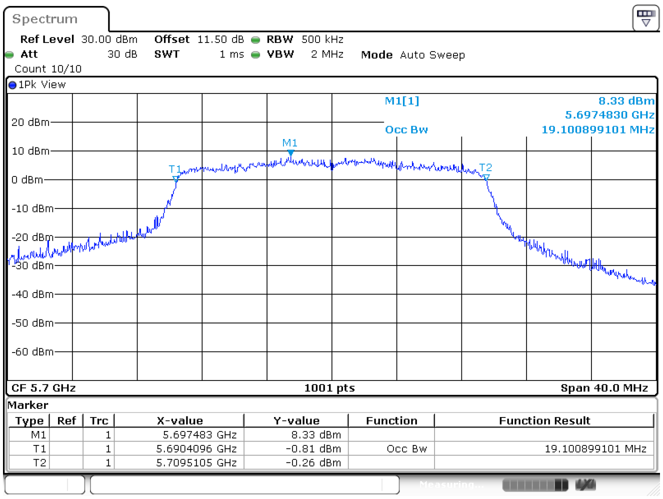
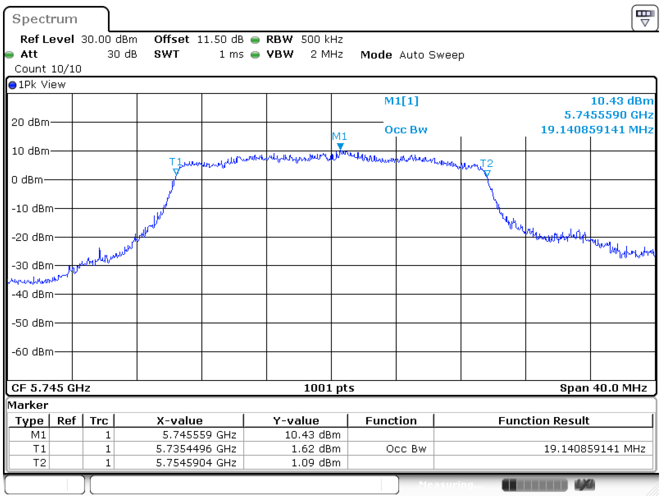
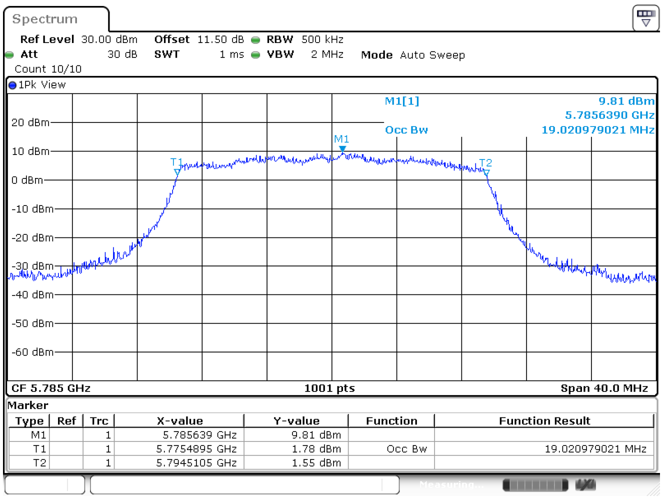


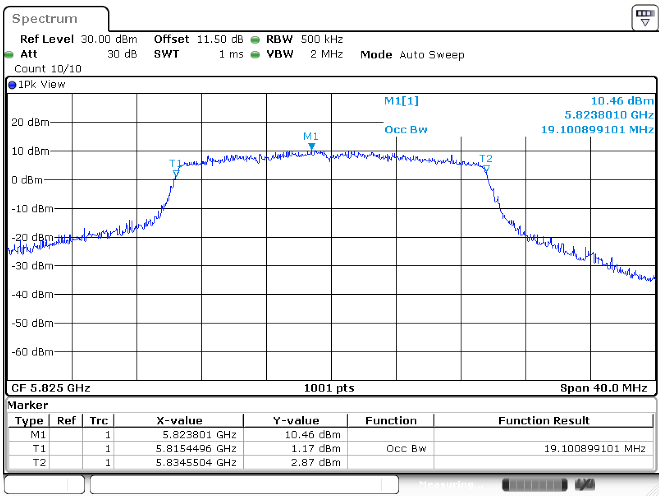
802.11ax HE20	
Channel 140	Channel 149





Channel 157	Channel 165

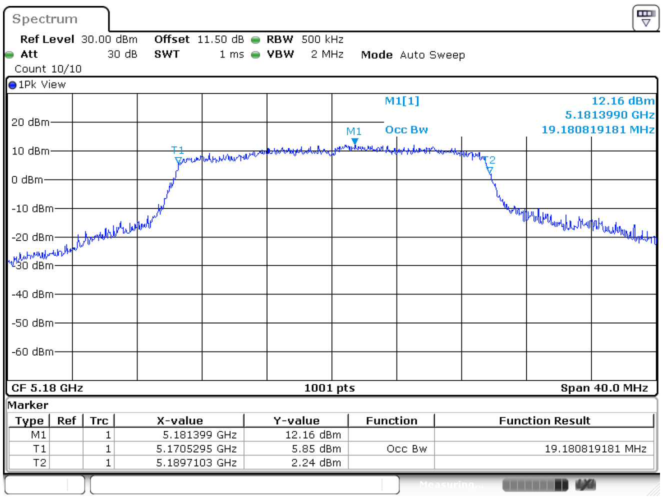




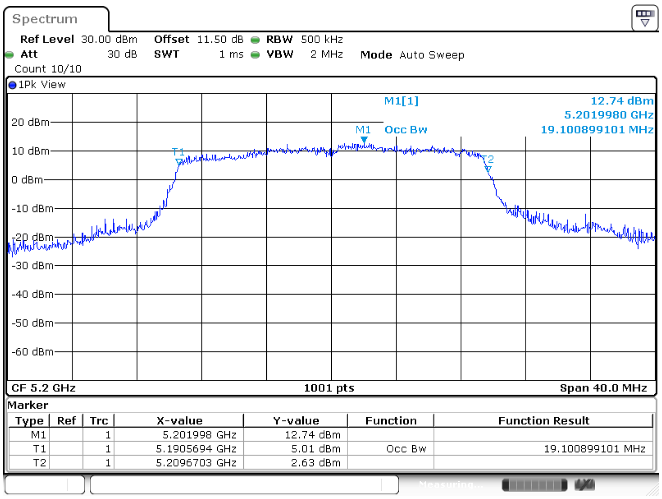
<Chain 2>

802.11ax HE20

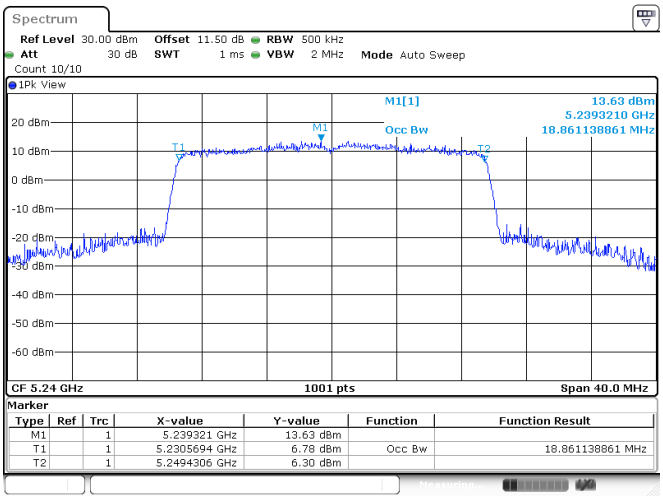
Channel 36



Channel 40



Channel 48



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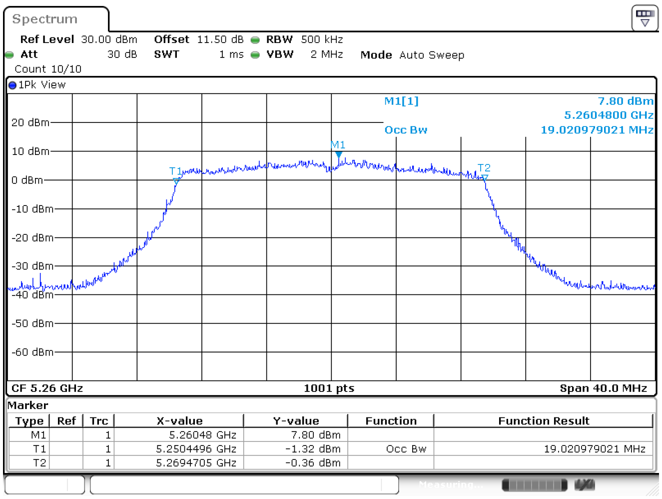
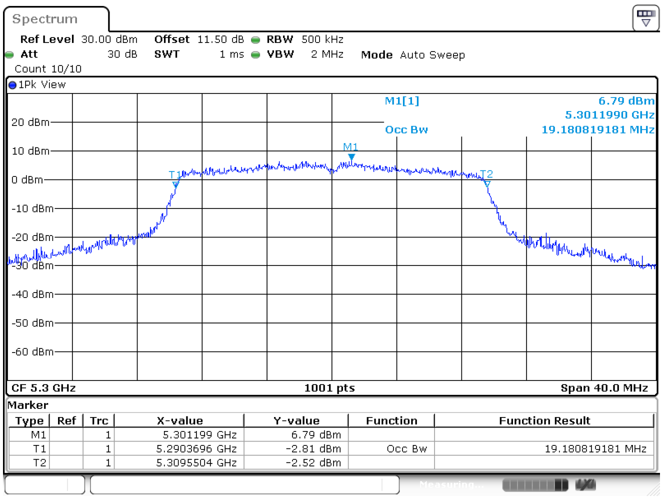
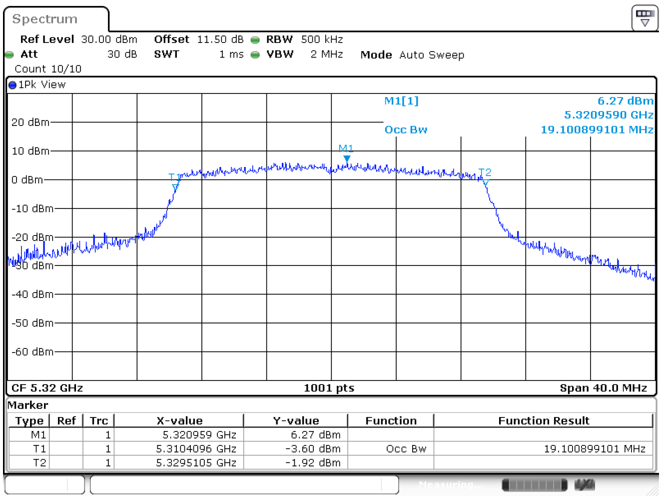


802.11ax HE20

Channel 60



Channel 64



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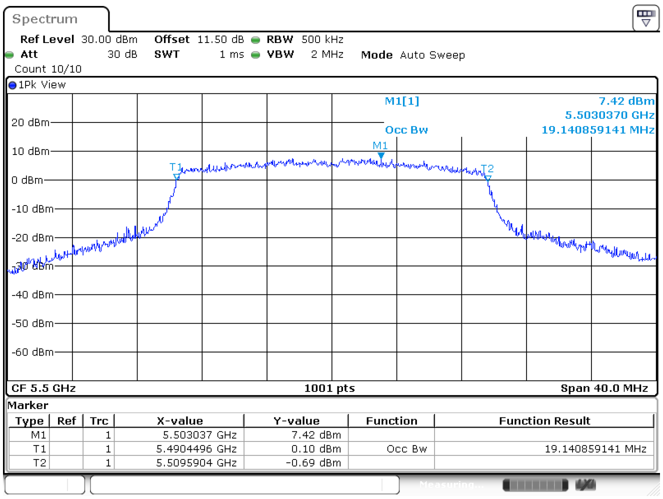
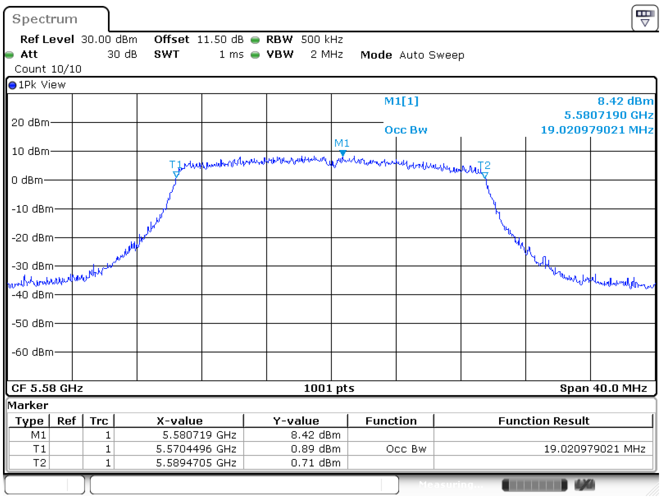
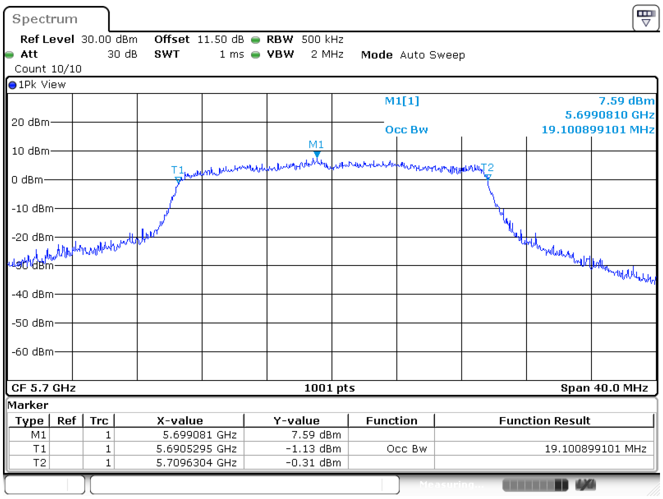


Channel 116



802.11ax HE20

Channel 140



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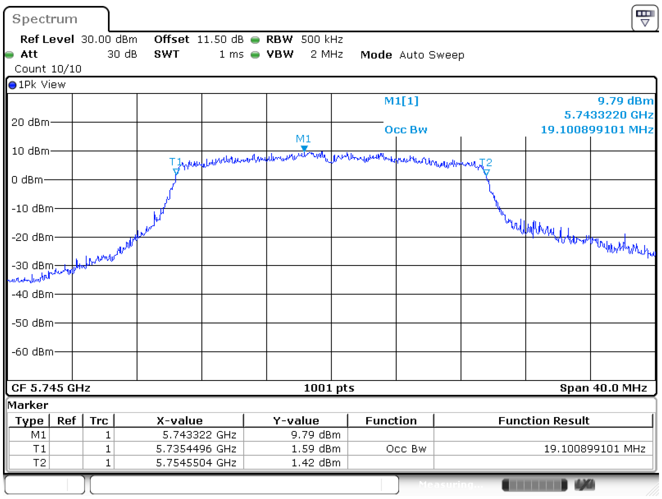

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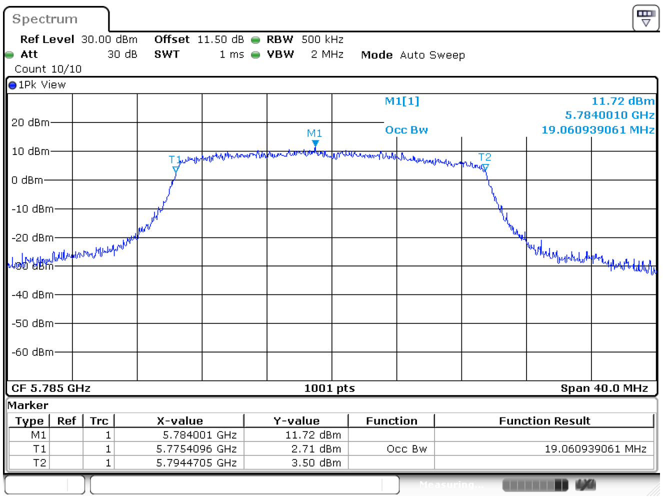

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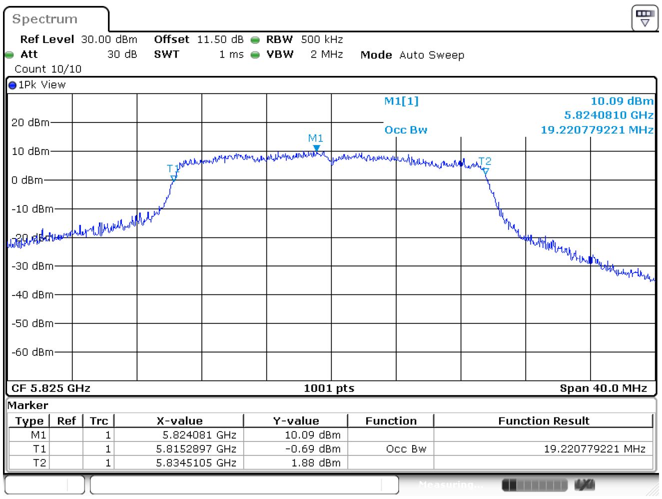
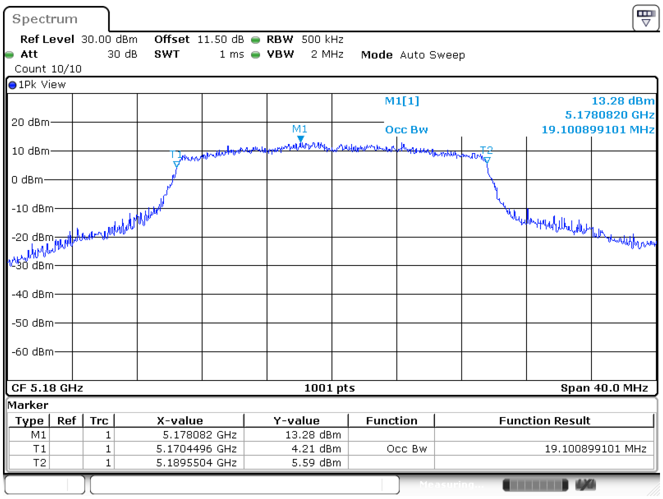
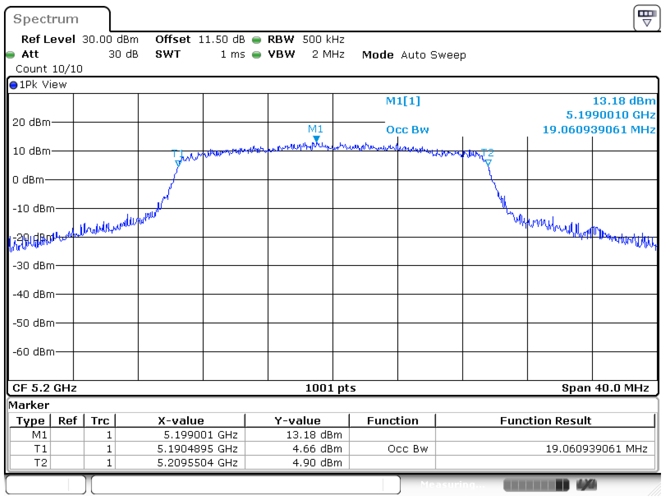
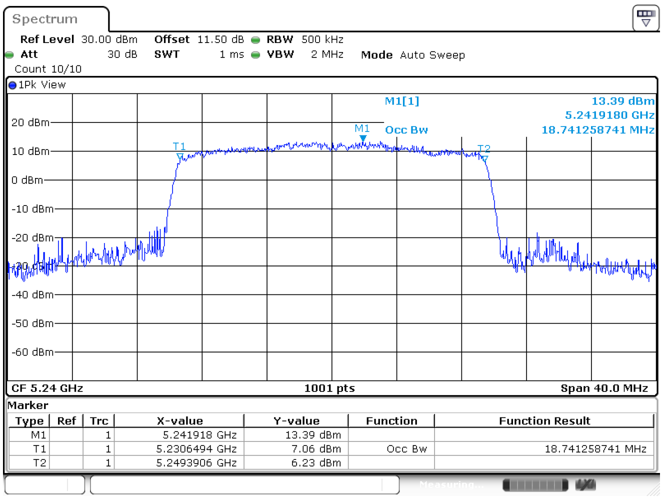
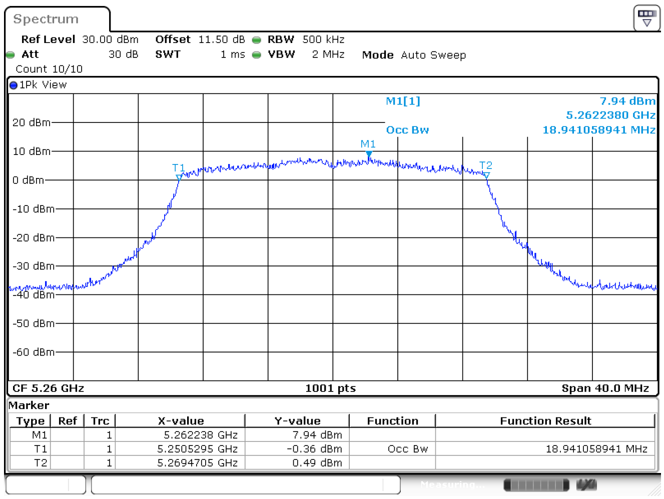


<Chain 3>

802.11ax HE20	
Channel 36	Channel 40
	
Channel 48	Channel 52
	

802.11ax HE20	
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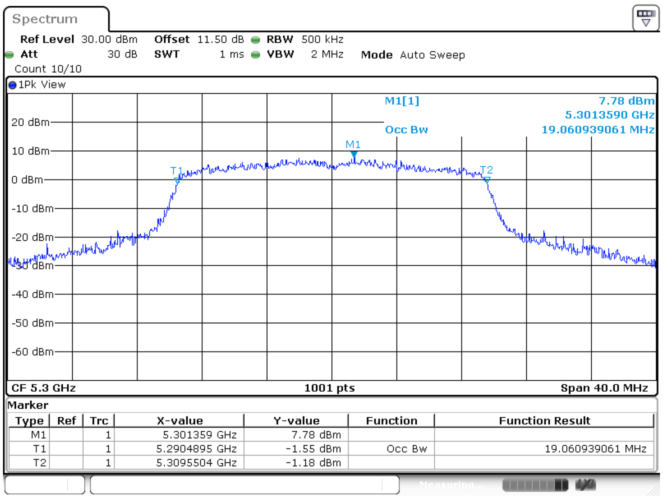
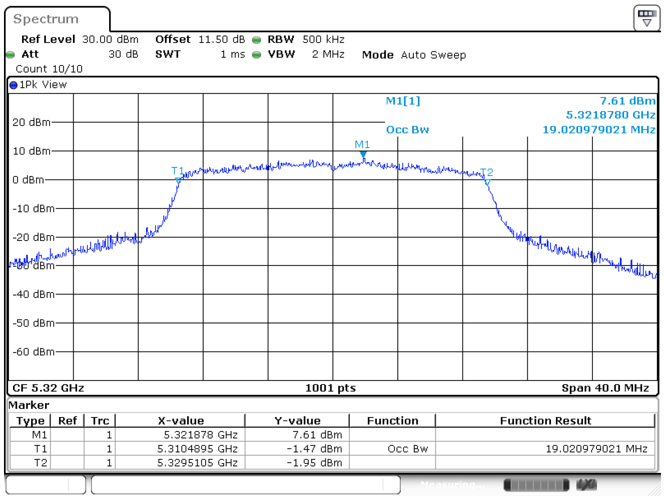
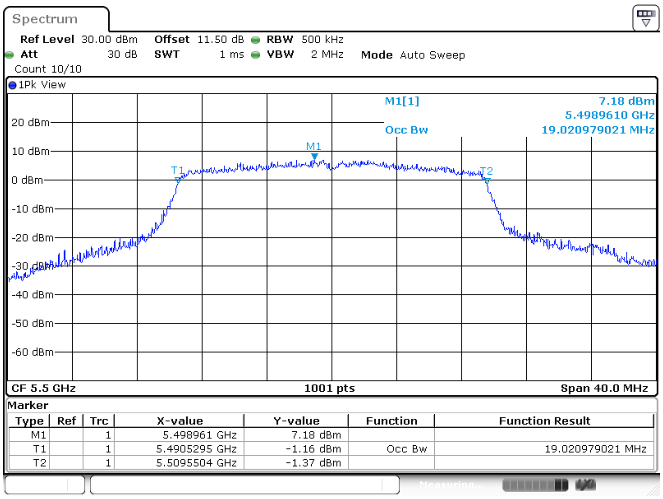
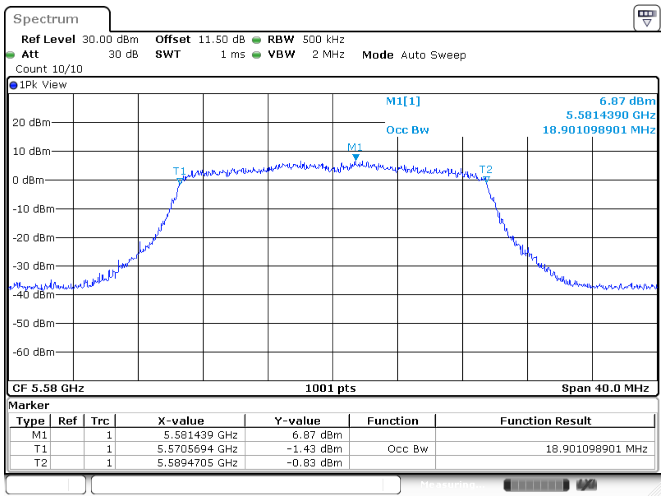
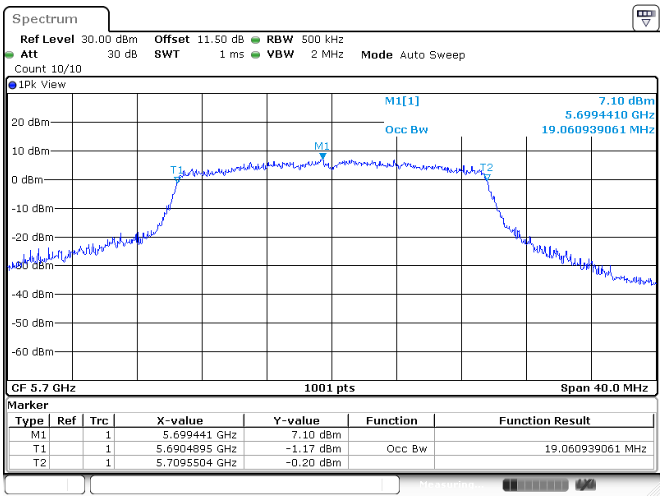
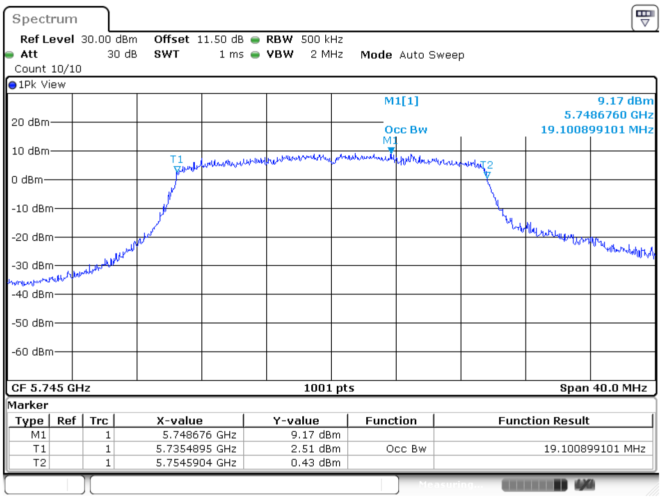
	
Channel 100	**Channel 116**
	

802.11ax HE20

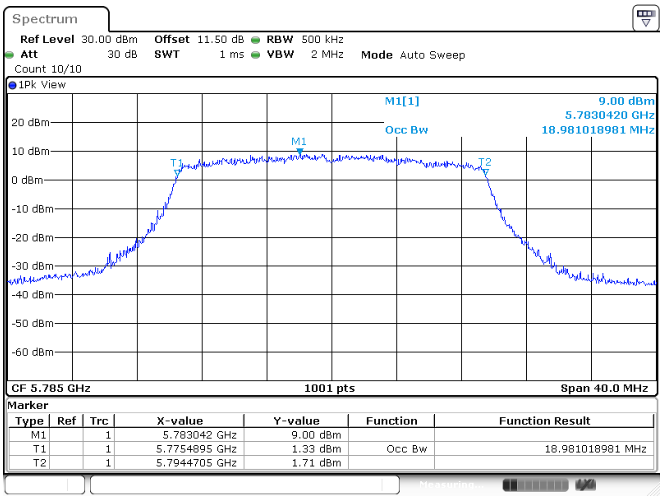
Channel 140



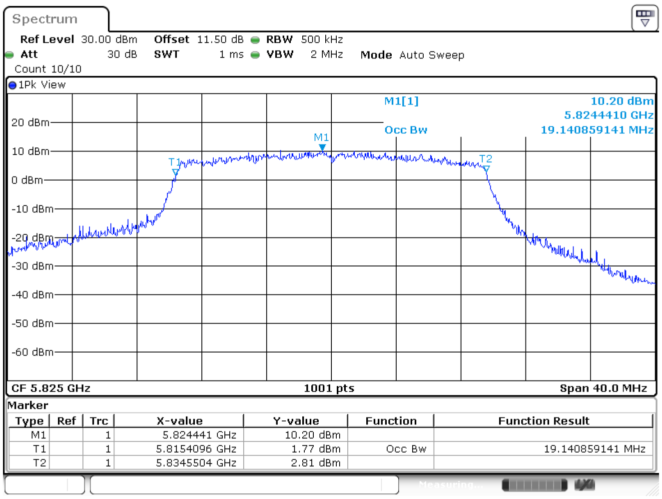
Channel 149



Channel 157



Channel 165



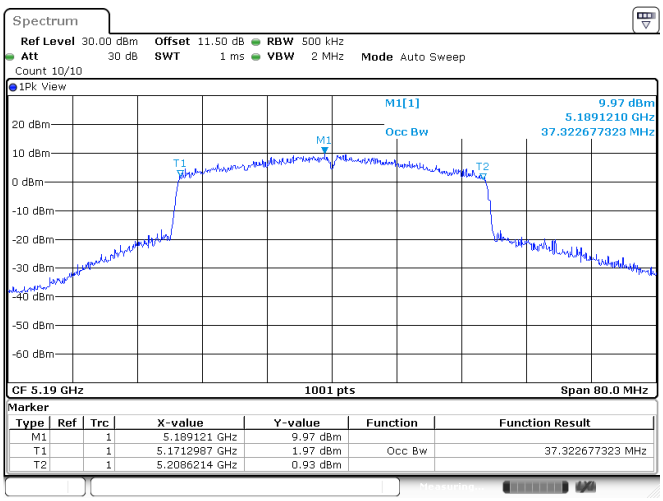
802.11ax HE40

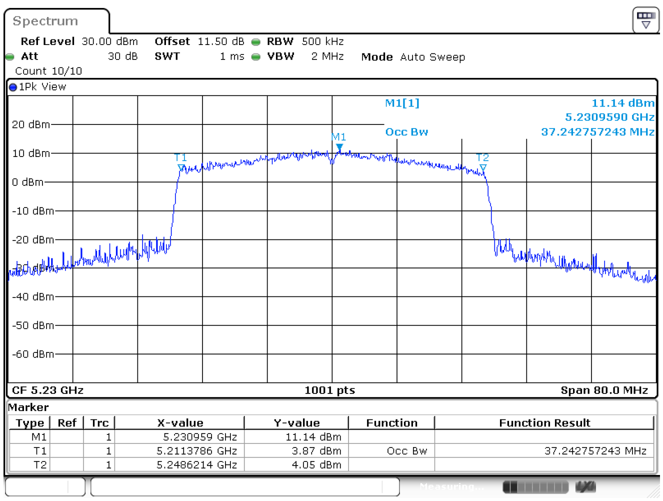
Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	38	5190	37.32	37.32	37.32	37.32
	46	5230	37.24	37.24	37.24	37.32
U-NII-2A	54	5270	37.24	37.24	37.24	37.24
	62	5310	37.32	37.40	37.40	37.40
U-NII-2C	102	5510	37.32	37.40	37.40	37.40
	110	5550	37.24	37.24	37.16	37.32
	134	5670	37.24	37.32	37.32	37.40
U-NII-3	151	5755	37.24	37.32	37.32	37.32
	159	5795	37.16	37.16	37.16	37.24

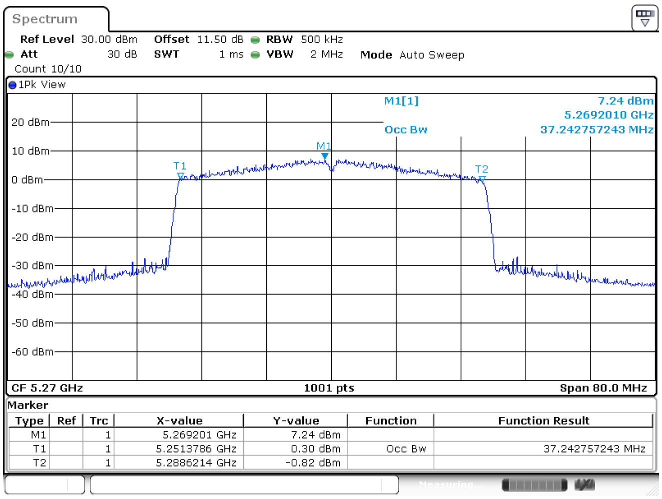
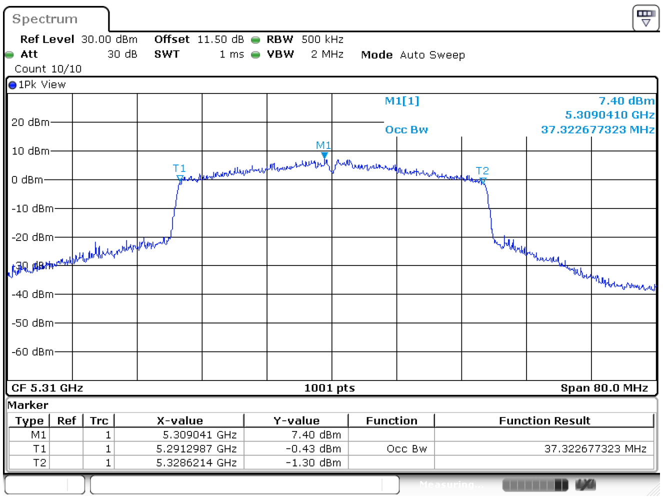
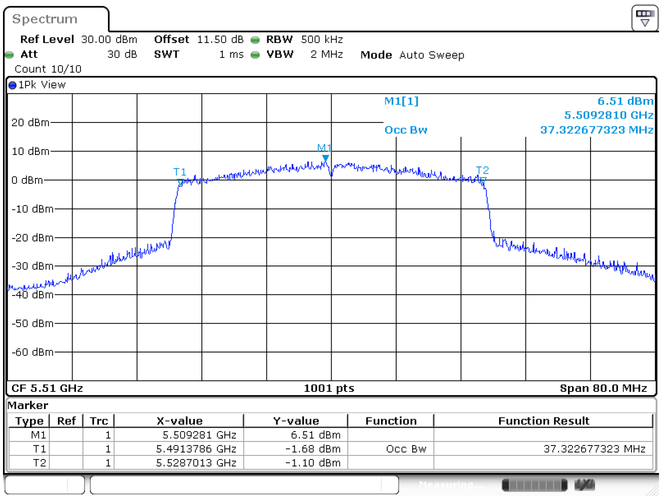
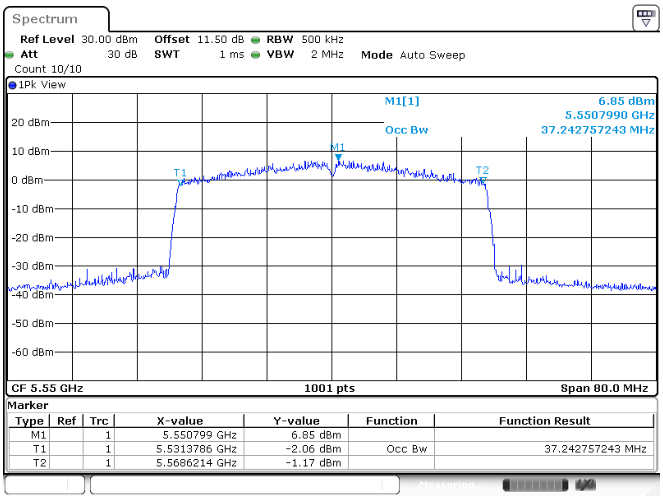
<Chain 0>

802.11ax HE40

Channel 38	Channel 46

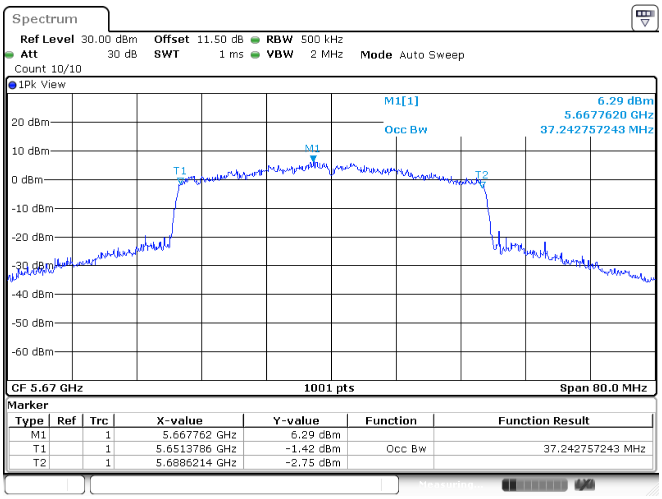




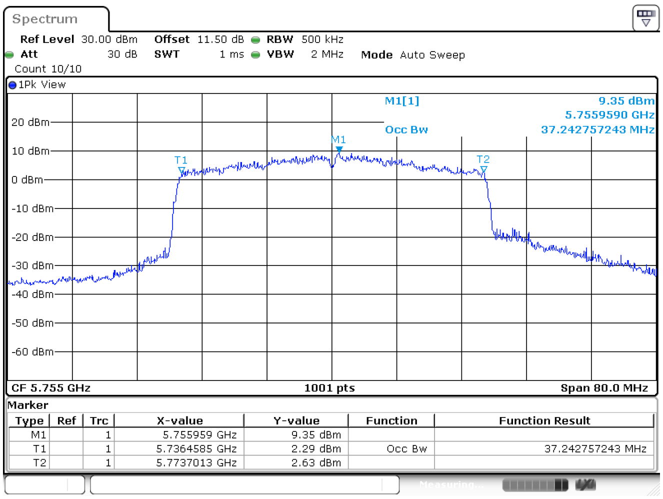
802.11ax HE40	
Channel 54	Channel 62
	
Channel 102	Channel 110
	

802.11ax HE40

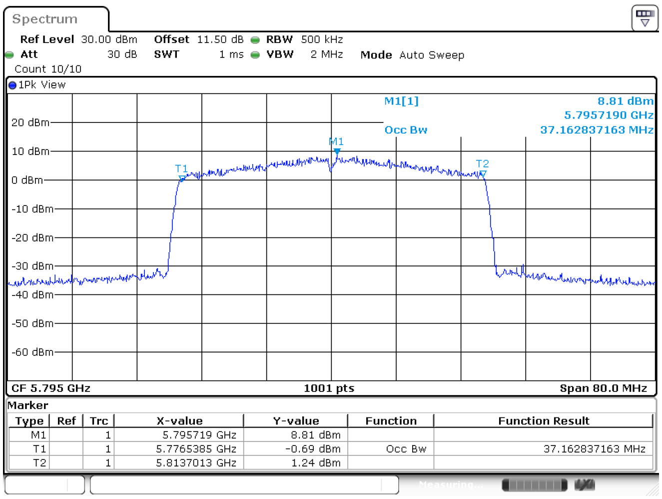
Channel 134



Channel 151



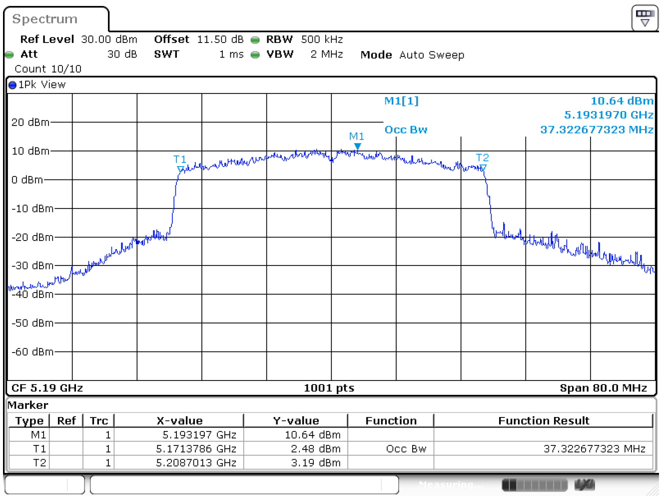
Channel 159



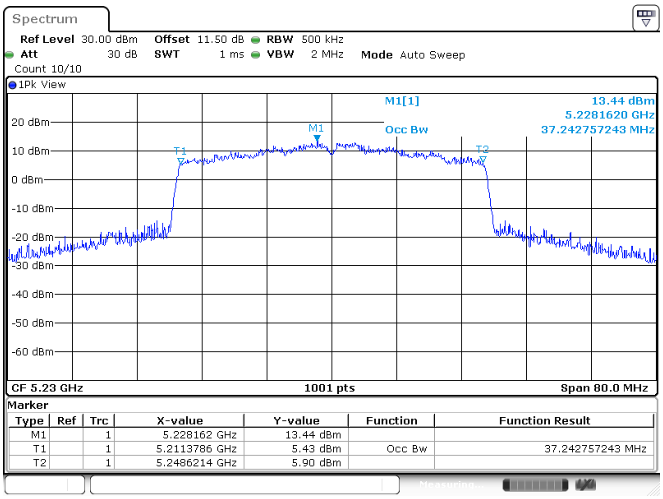
<Chain 1>

802.11ax HE40

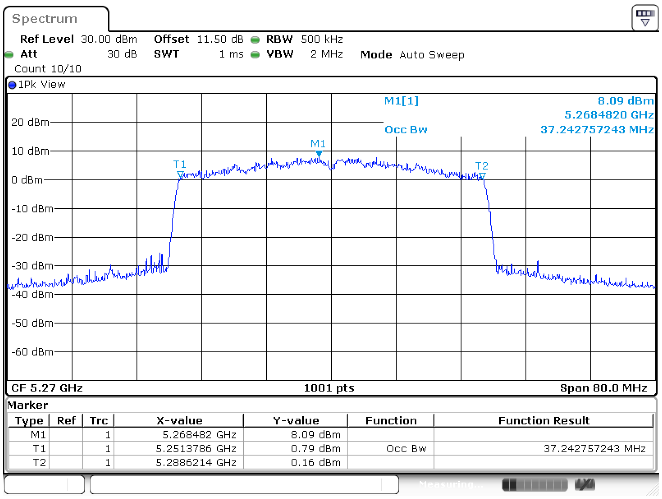
Channel 38



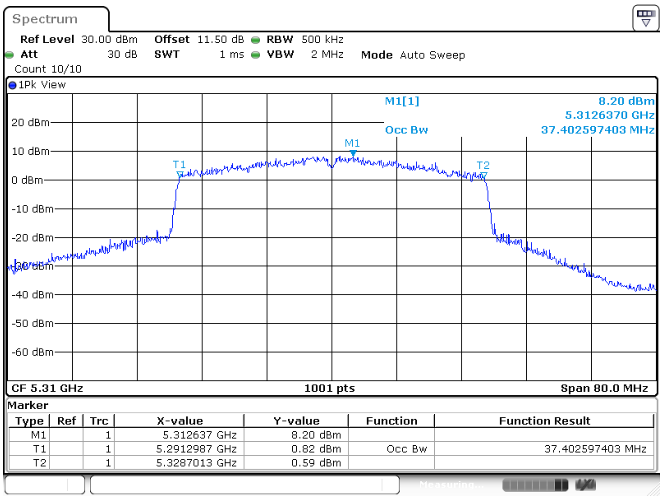
Channel 46



Channel 54

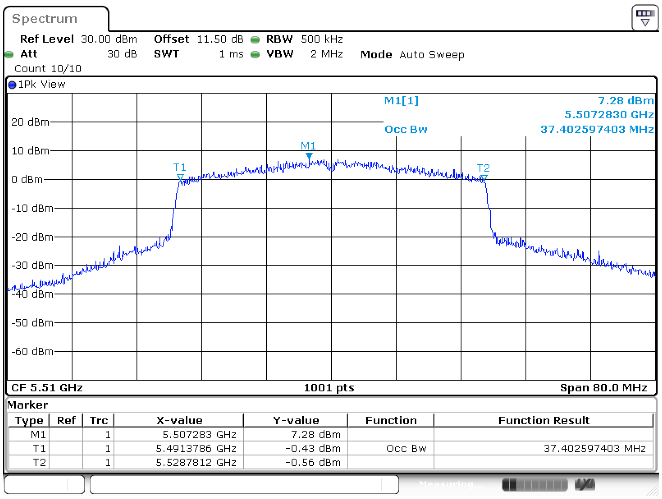


Channel 62

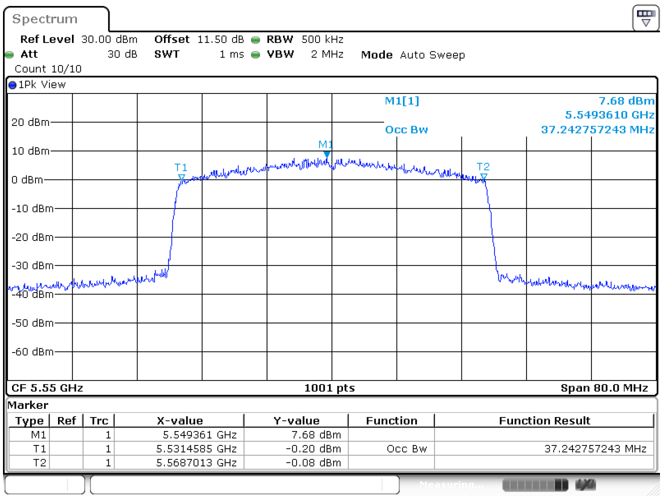


802.11ax HE40

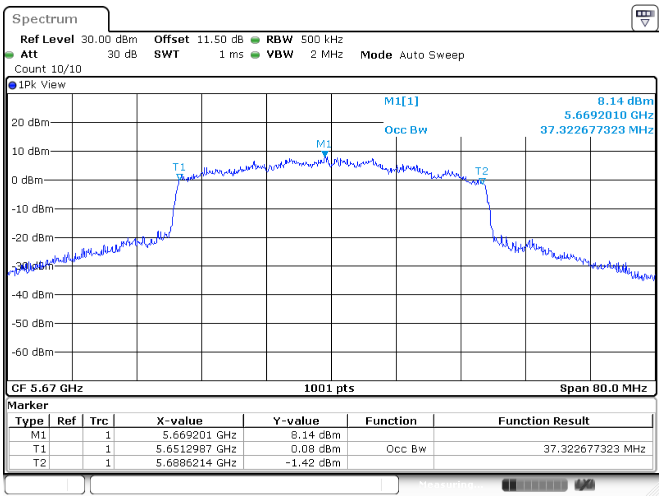
Channel 102



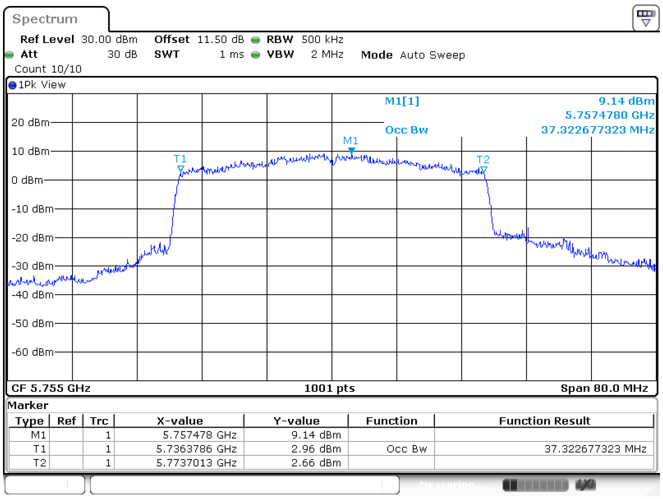
Channel 110

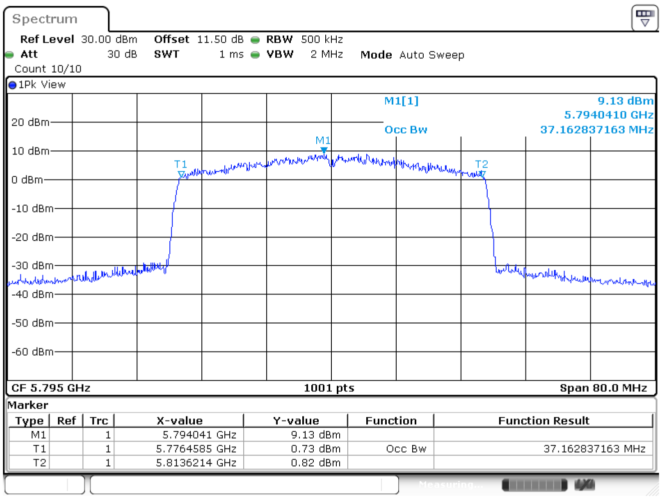


Channel 134



Channel 151

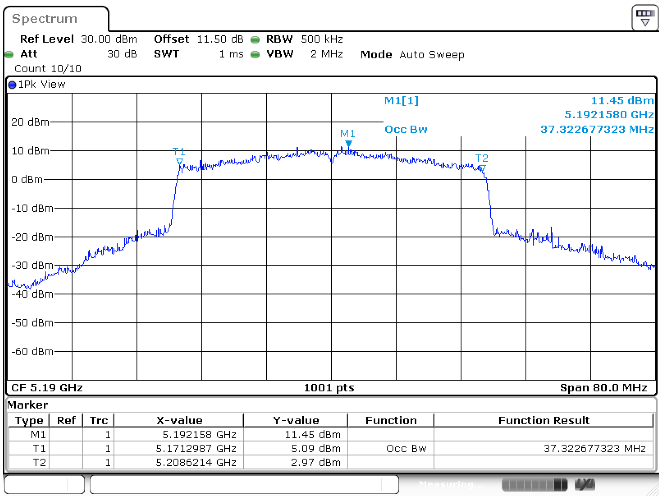


802.11ax HE40	
Channel 159	
	

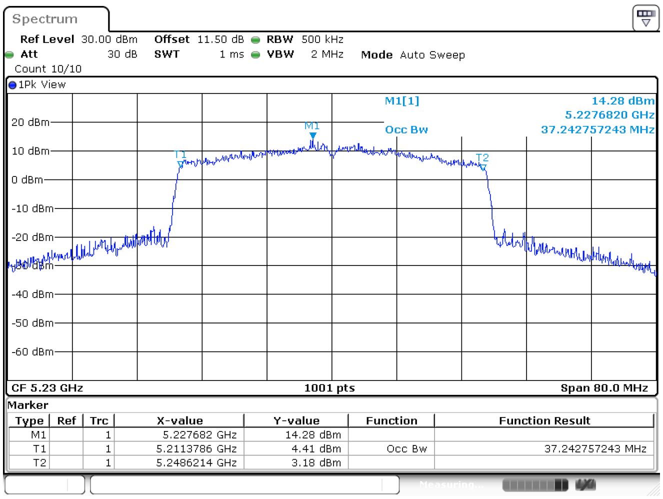
<Chain 2>

802.11ax HE40

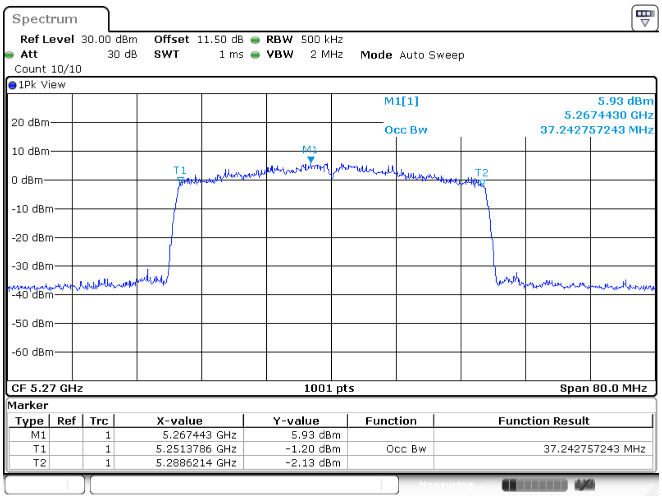
Channel 38



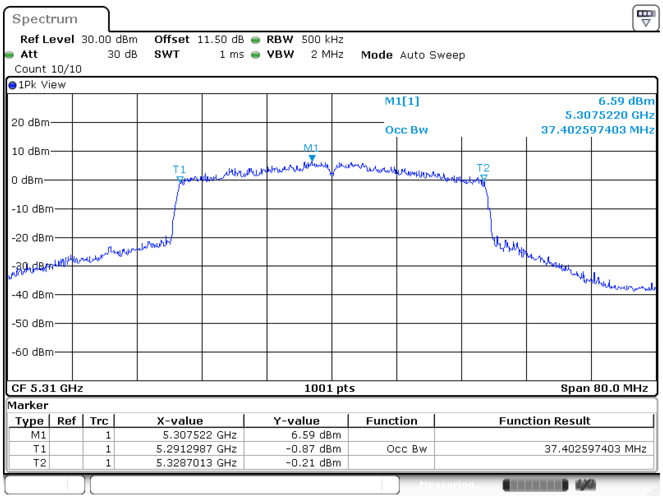
Channel 46



Channel 54

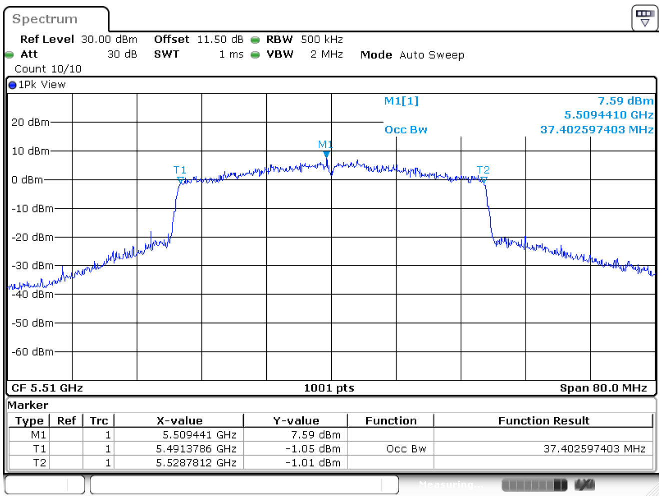


Channel 62

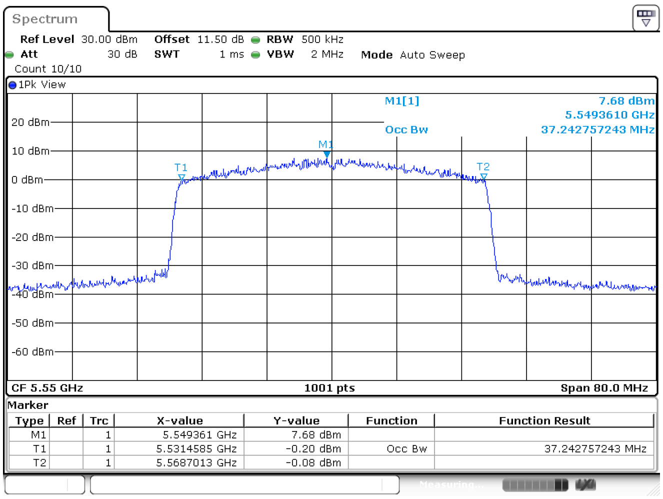


802.11ax HE40

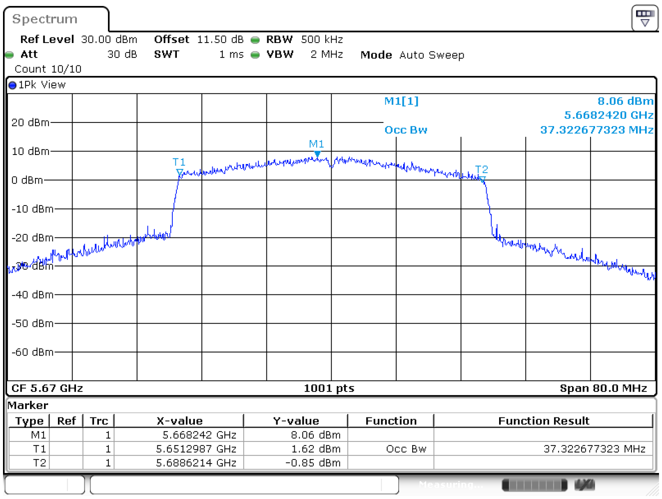
Channel 102



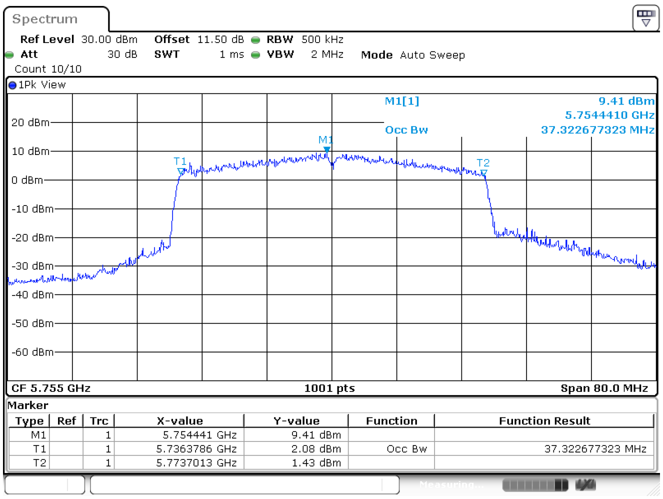
Channel 110

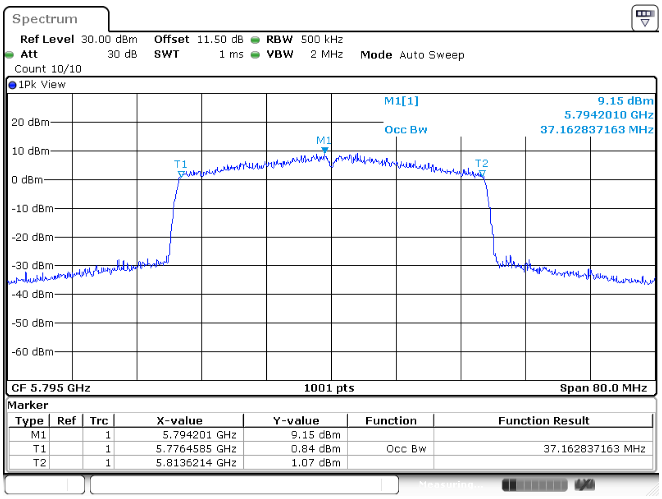


Channel 134



Channel 151

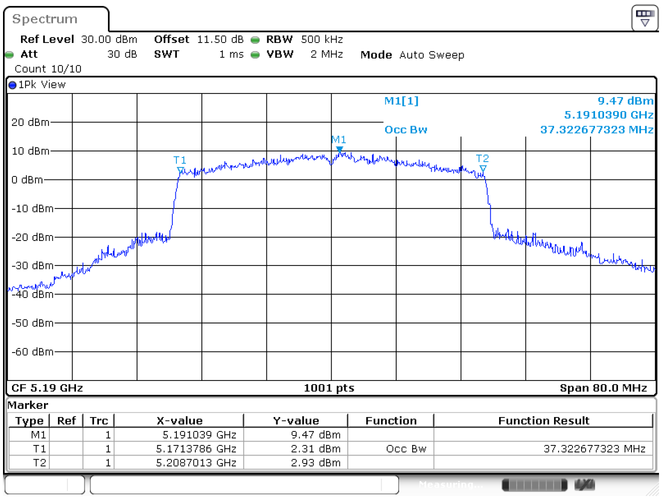


802.11ax HE40	
Channel 159	
	

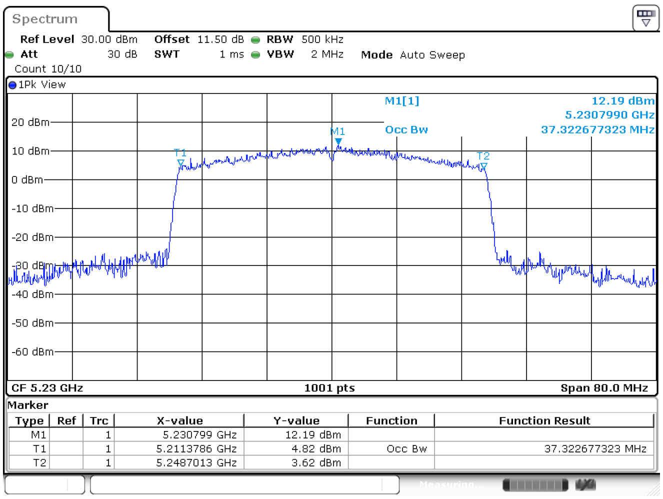
<Chain 3>

802.11ax HE40

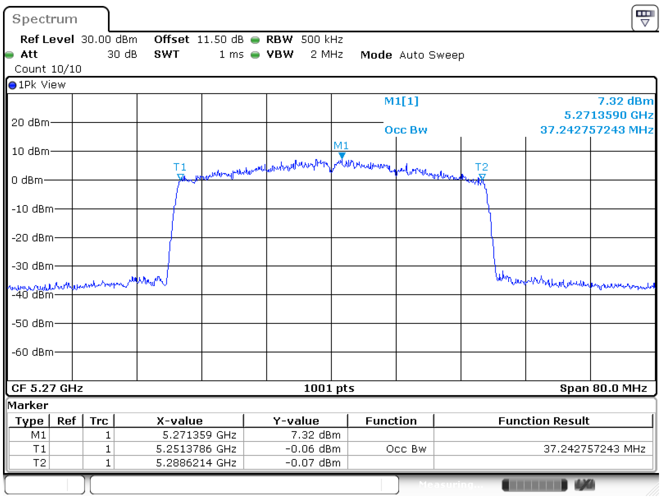
Channel 38



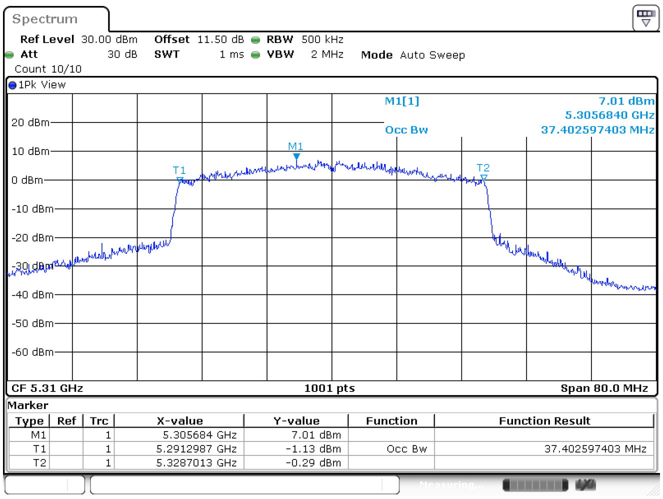
Channel 46



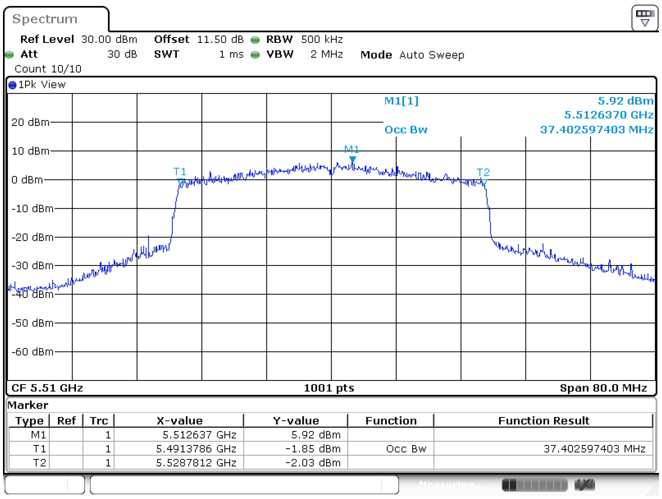
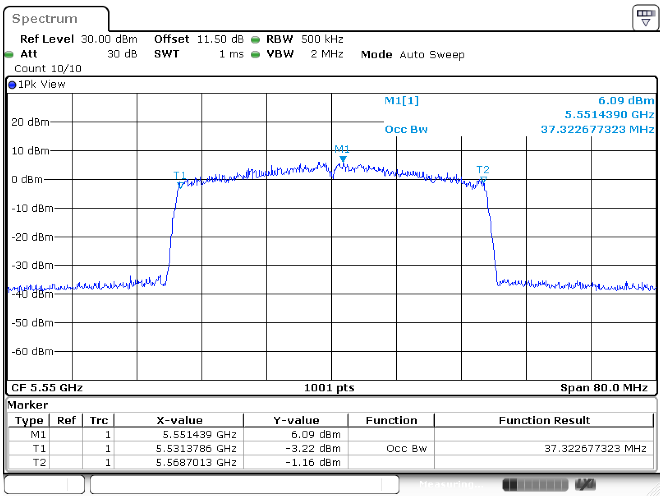
Channel 54

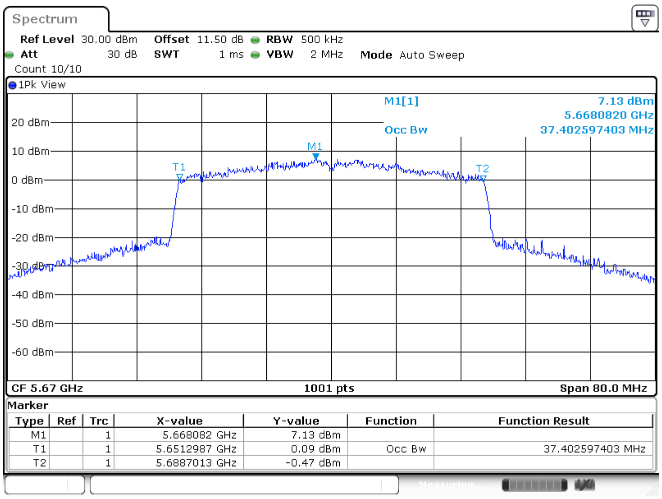
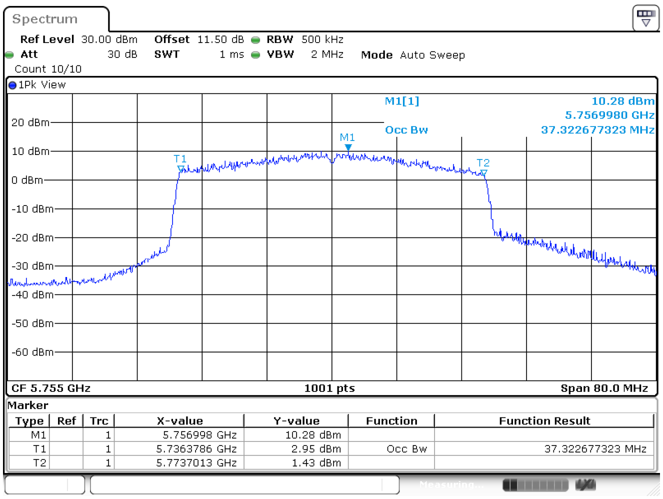


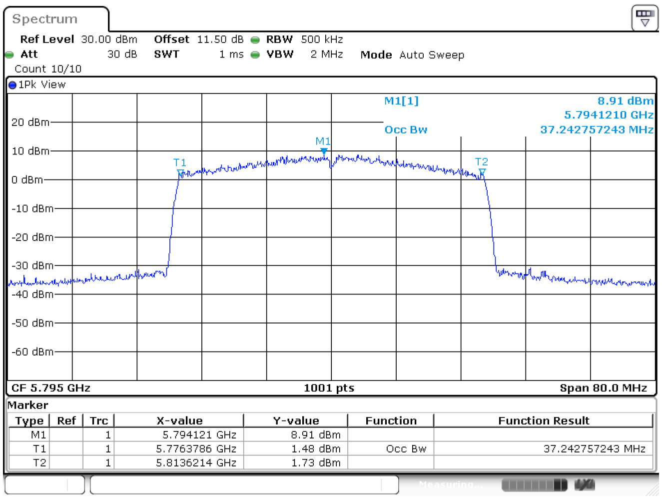
Channel 62



802.11ax HE40

Channel 102	Channel 110
	

Channel 134	Channel 151
	

802.11ax HE40	
Channel 159	
	

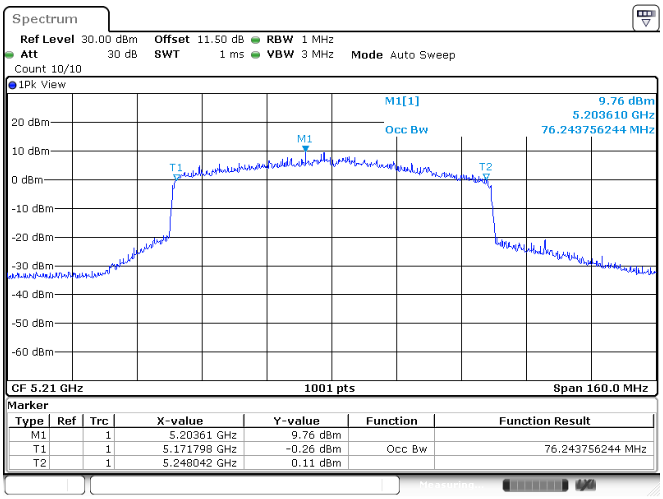
802.11ax HE80

Band	Channel	Frequency (MHz)	99% Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
U-NII-1	42	5210	76.24	75.92	76.24	76.08
U-NII-2A	58	5290	76.40	76.24	76.24	76.24
U-NII-2C	106	5530	76.40	76.08	76.24	76.40
	122	5610	75.76	76.08	75.76	76.08
U-NII-3	155	5775	76.08	76.24	76.08	75.92

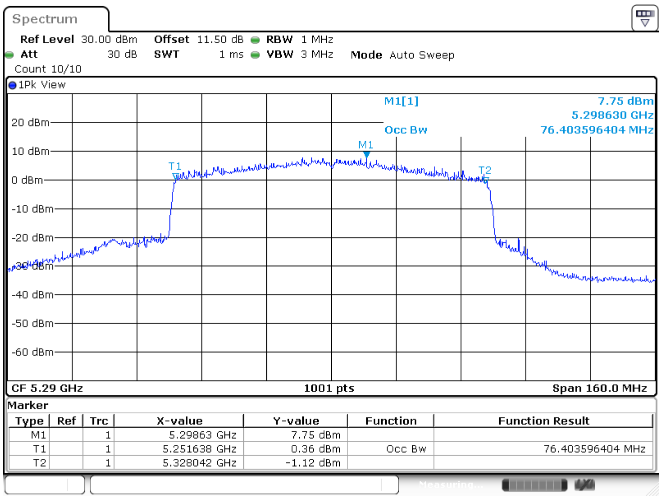
<Chain 0>

802.11ax HE80

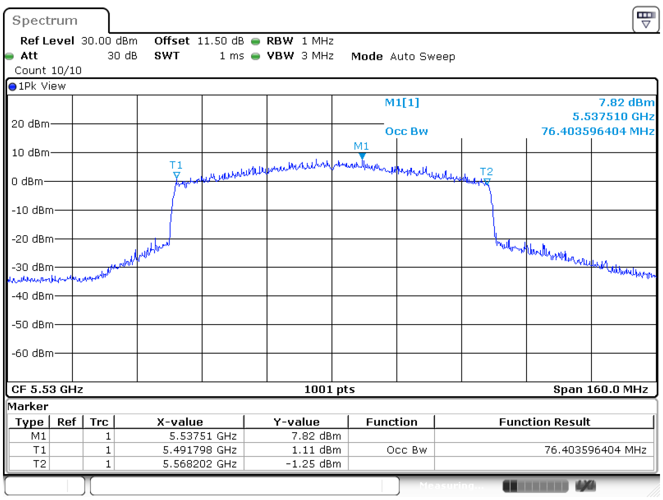
Channel 42



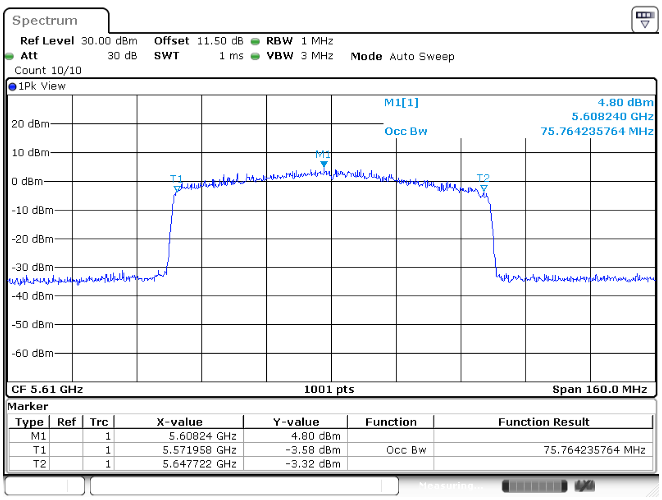
Channel 58

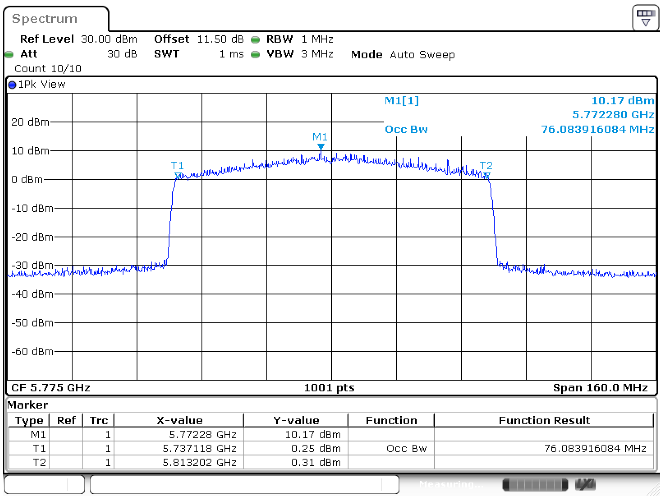


Channel 106



Channel 122

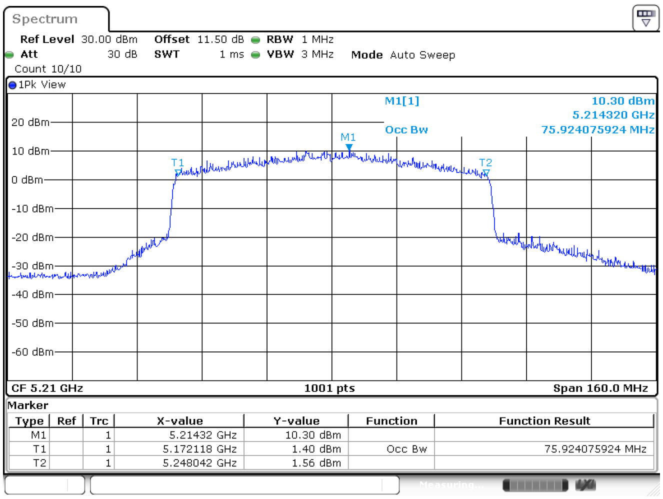


802.11ax HE80	
Channel 155	
	

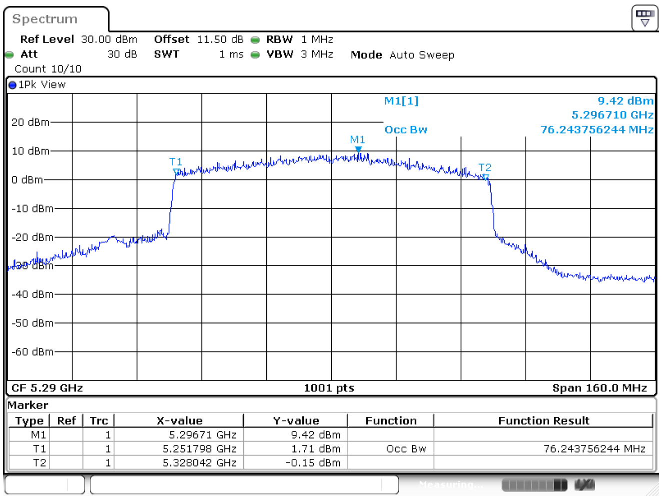
<Chain 1>

802.11ax HE80

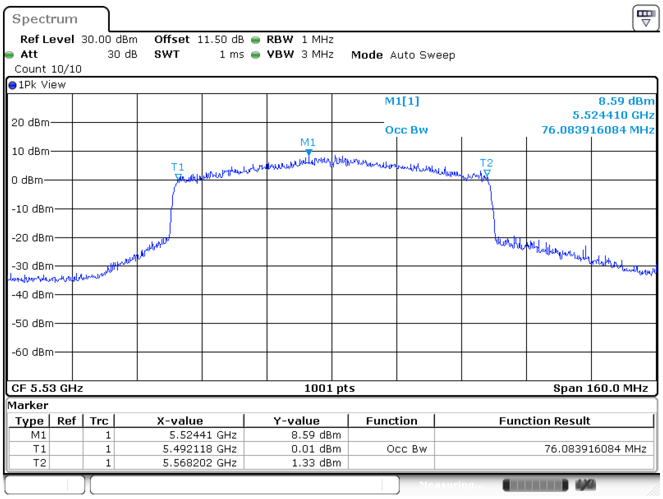
Channel 42



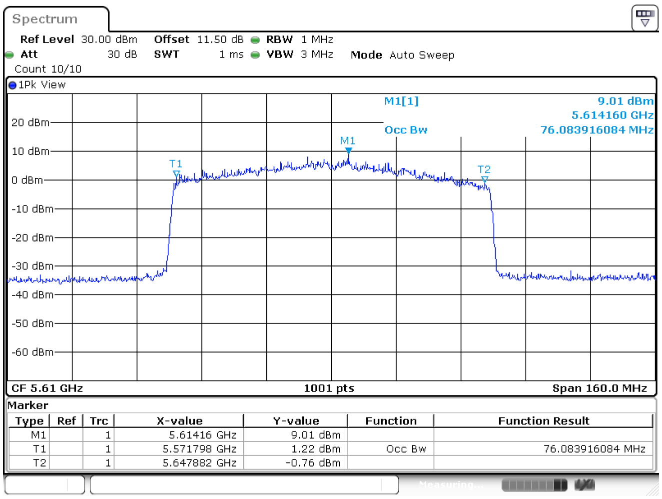
Channel 58

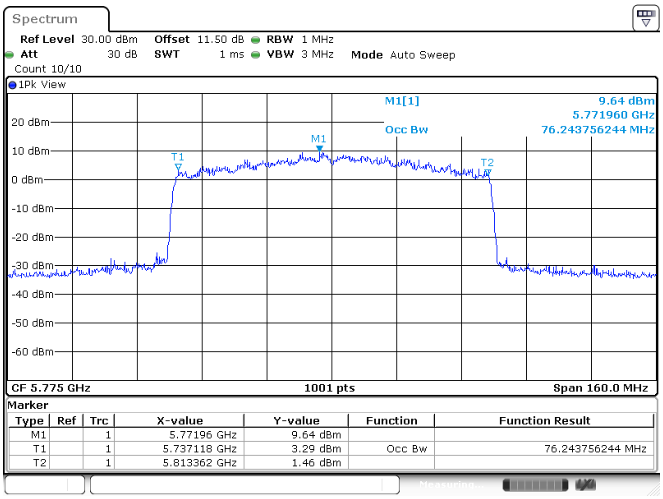


Channel 106

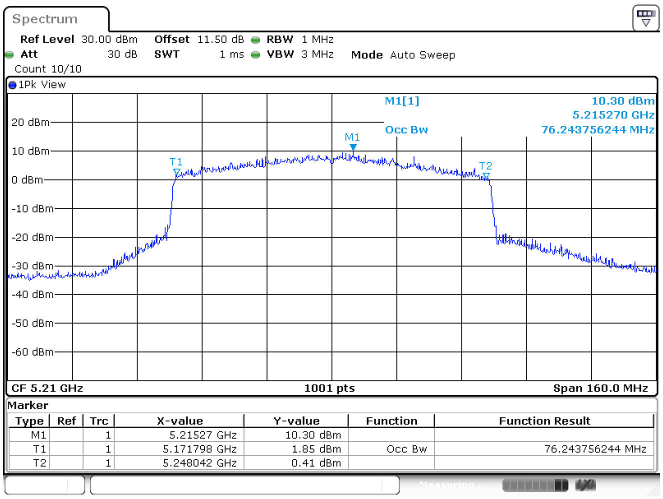
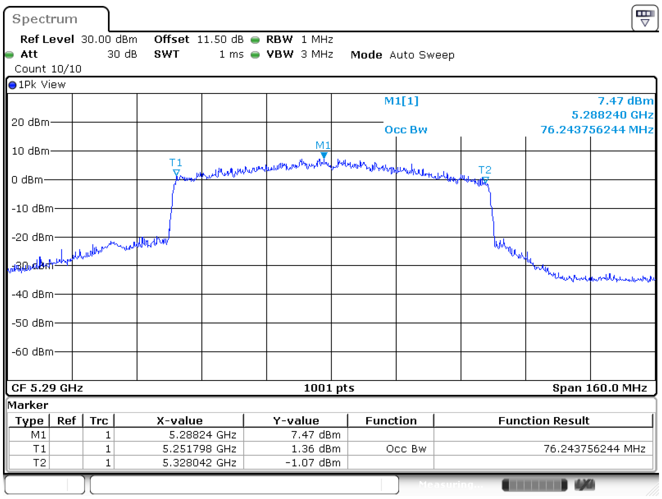
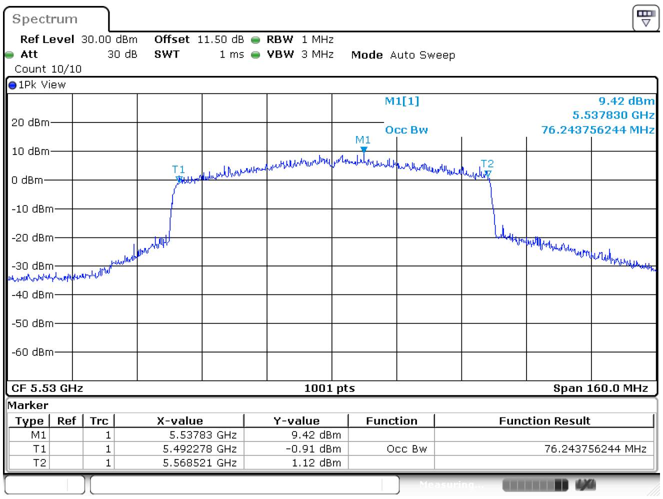
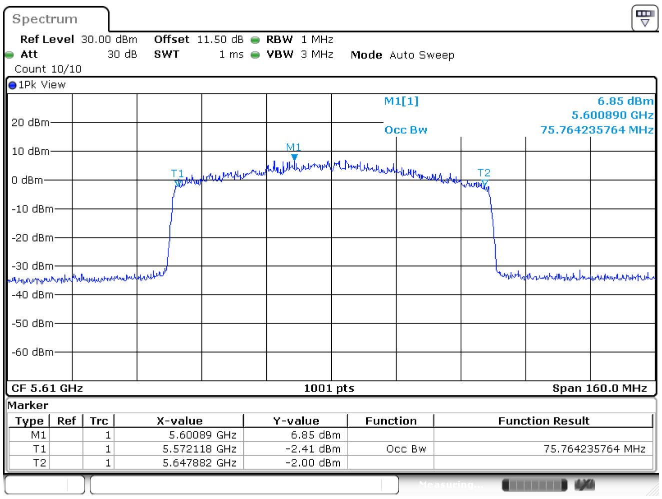


Channel 122



802.11ax HE80	
Channel 155	
	

<Chain 2>

802.11ax HE80	
Channel 42	Channel 58
	
Channel 106	Channel 122
	

802.11ax HE80	
Channel 155