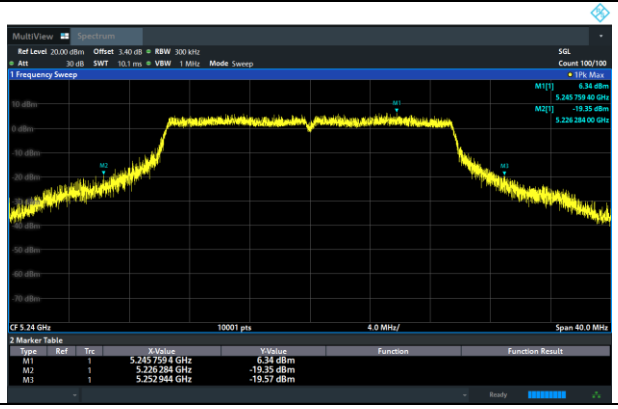
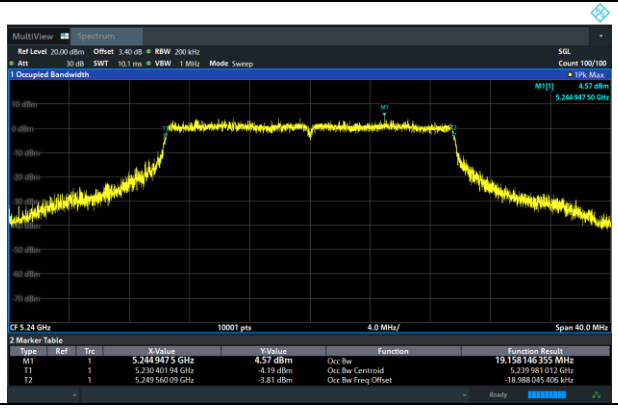
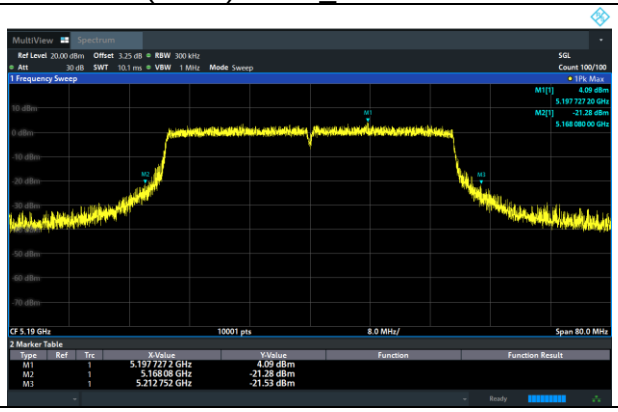
11ax (HT20) CH48_26dB bandwidth



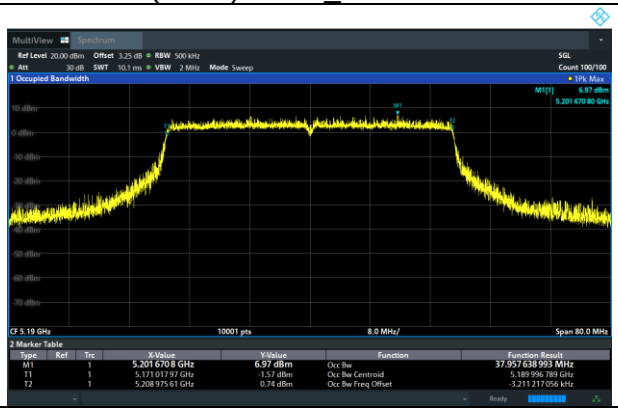
11ax (HT20) CH48_99% bandwidth



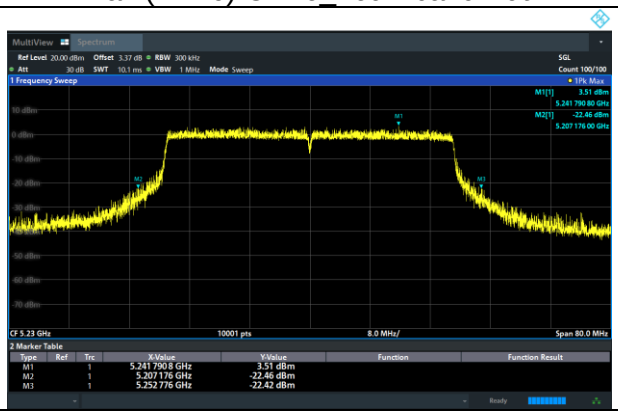
11ax (HT40) CH38_26dB bandwidth



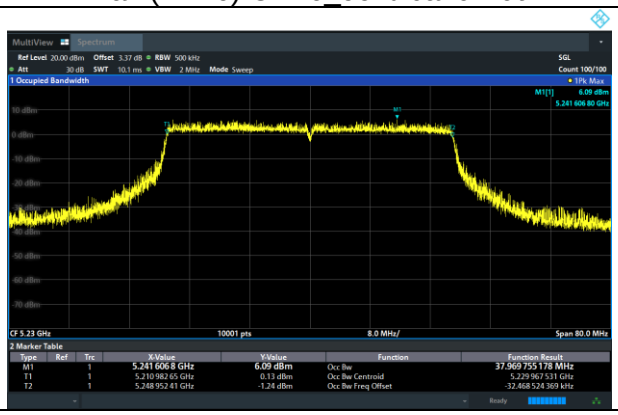
11ax (HT40) CH38_99% bandwidth



11ax (HT40) CH46_26dB bandwidth



11ax (HT40) CH46_99% bandwidth



U-NII-2A

Channel	Test Channel	Frequency (MHz)	26dB bandwidth (MHz)	Limit (kHz)	99% bandwidth	Limit (kHz)	Result
11a	CH52	5260	28.06	/	18.068	/	Pass
11a	CH56	5280	27.96	/	18.057	/	Pass
11a	CH64	5320	27.096	/	18.051	/	Pass
11n (HT20)	CH52	5260	26.724	/	18.095	/	Pass
11n (HT20)	CH56	5280	27.368	/	18.066	/	Pass
11n (HT20)	CH64	5320	26.892	/	18.036	/	Pass
11n (HT40)	CH54	5270	46.504	/	36.926	/	Pass
11n (HT40)	CH62	5310	45.672	/	36.858	/	Pass
11ac (HT20)	CH52	5260	28.36	/	18.071	/	Pass
11ac (HT20)	CH56	5280	26.26	/	18.031	/	Pass
11ac (HT20)	CH64	5320	26.44	/	18.029	/	Pass
11ac (HT40)	CH54	5270	48.472	/	36.844	/	Pass
11ac (HT40)	CH62	5310	46.472	/	36.782	/	Pass
11ax (HE20)	CH52	5260	26.12	/	19.175	/	Pass
11ax (HE20)	CH56	5280	26.812	/	19.151	/	Pass
11ax (HE20)	CH64	5320	26.532	/	19.17	/	Pass
11ax (HE40)	CH54	5270	46.064	/	37.992	/	Pass
11ax (HE40)	CH62	5310	45.456	/	37.988	/	Pass

Test plots:

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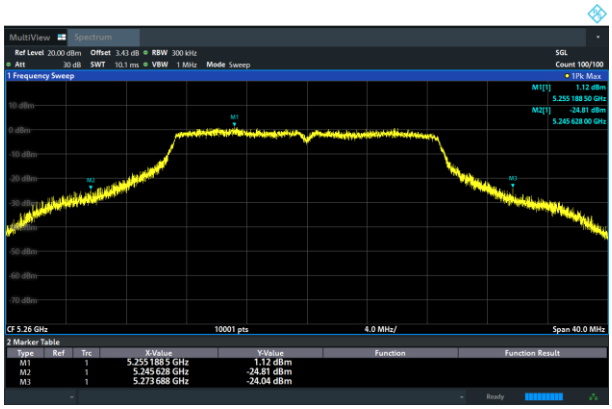
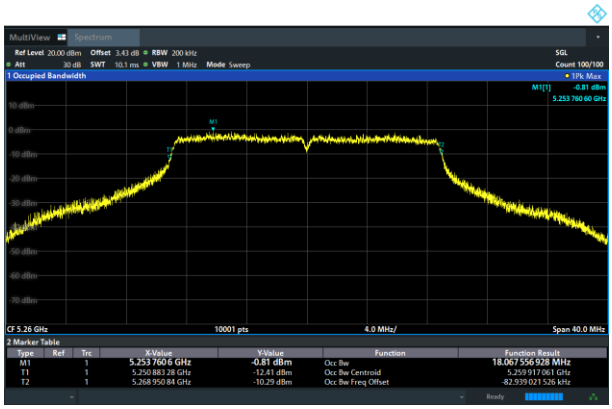
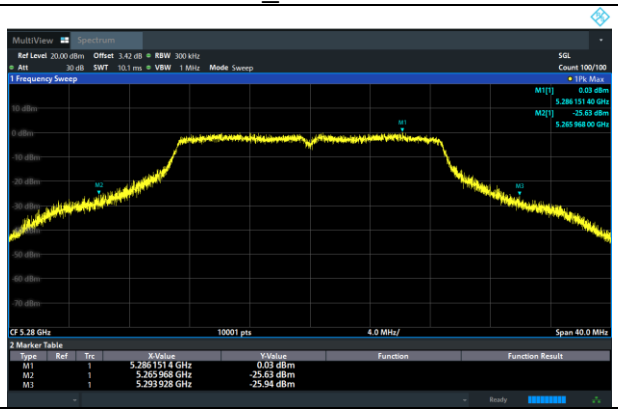
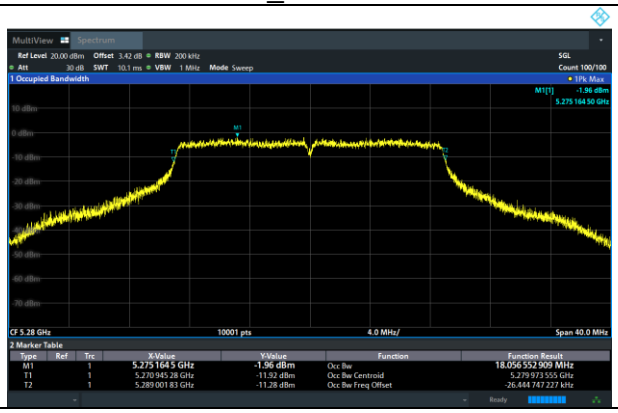
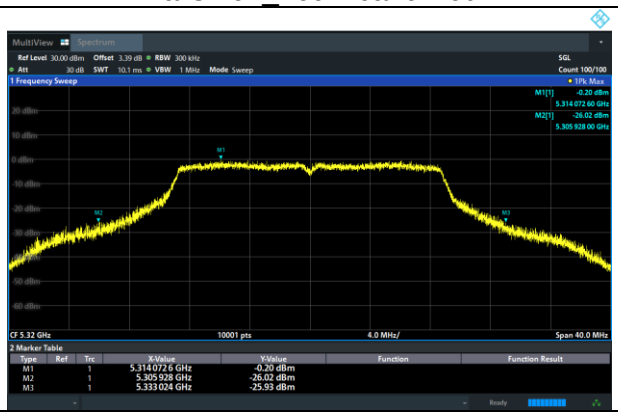
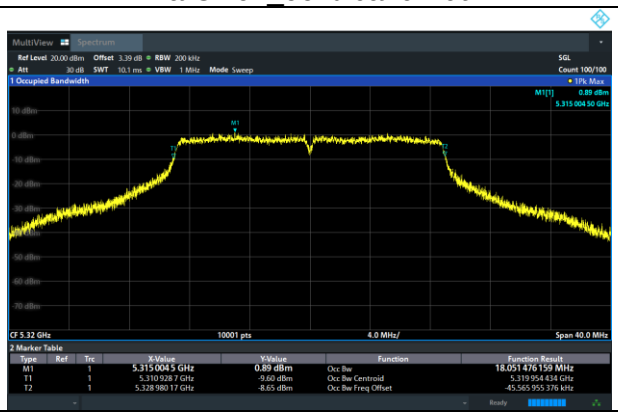
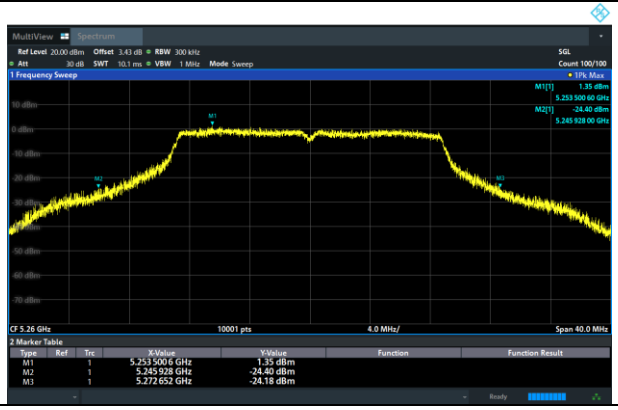
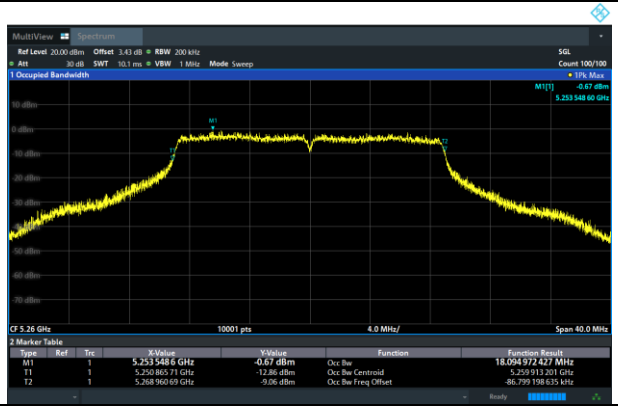
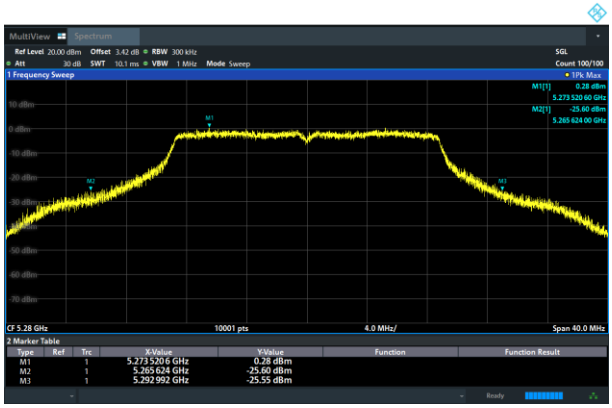
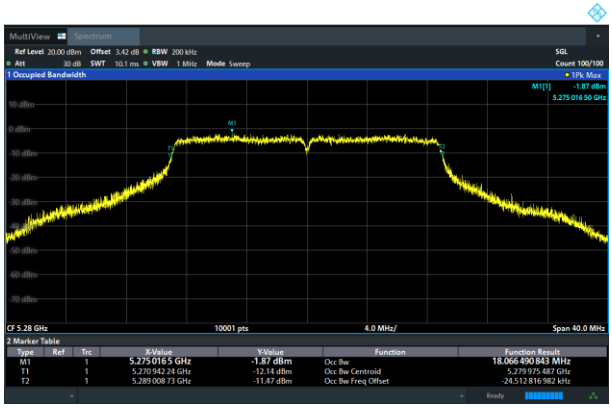
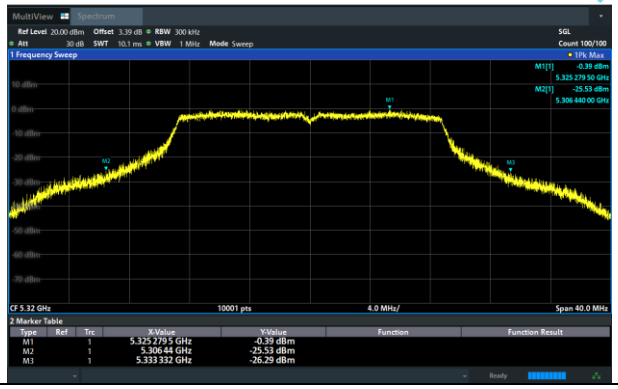
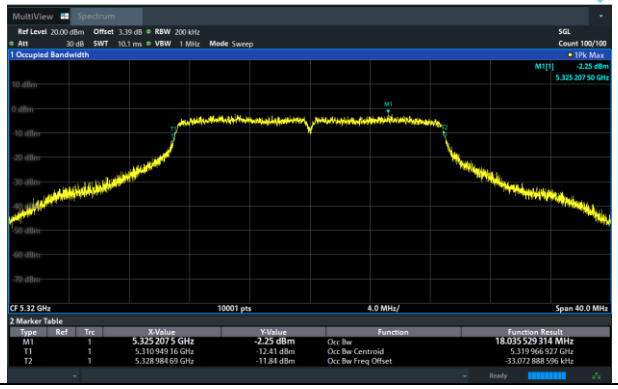
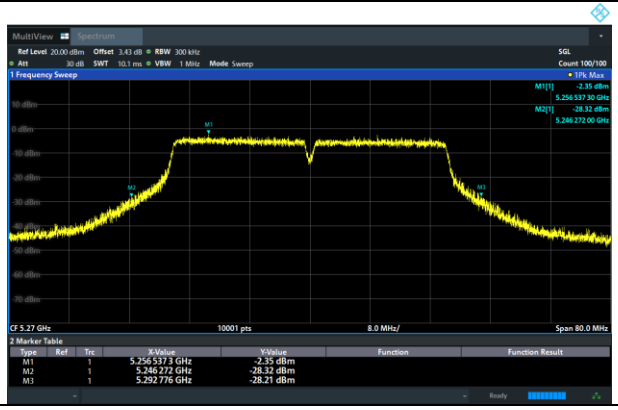
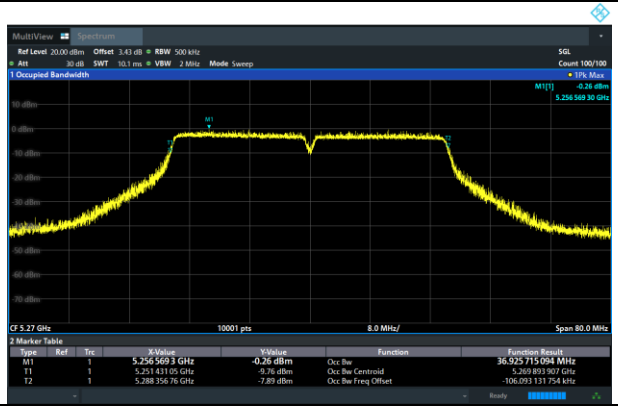
11a CH52_26dB bandwidth	11a CH52_99% bandwidth
	
11a CH56_26dB bandwidth	**11a CH56_99% bandwidth**
	
11a CH64_26dB bandwidth	**11a CH64_99% bandwidth**
	

11n (HT20) CH52_26dB bandwidth	11n (HT20) CH52_99% bandwidth
	
11n (HT20) CH56_26dB bandwidth	**11n (HT20) CH56_99% bandwidth**
	
11n (HT20) CH64_26dB bandwidth	**11n (HT20) CH64_99% bandwidth**
	

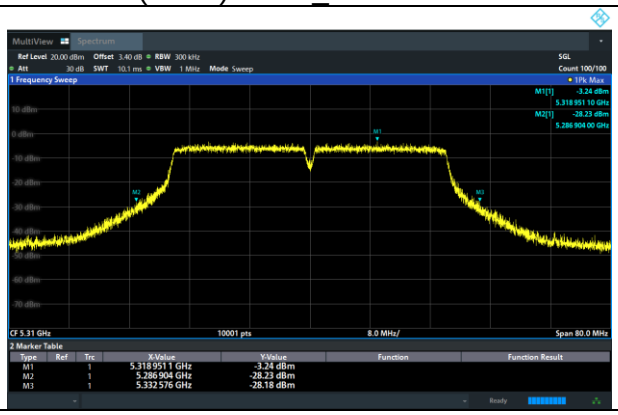
11n (HT40) CH54_26dB bandwidth



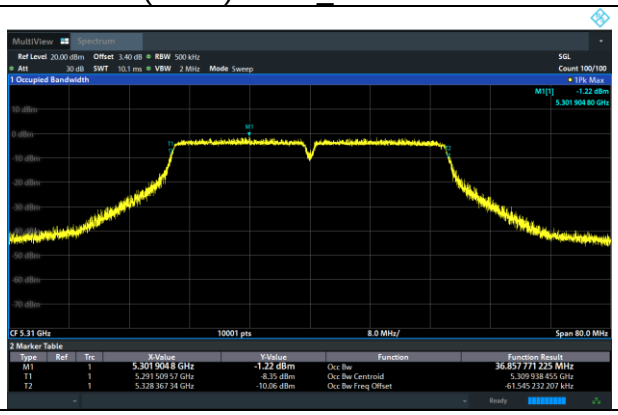
11n (HT40) CH54_99% bandwidth



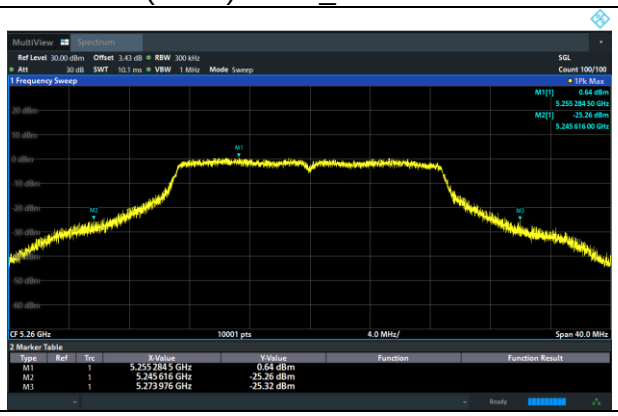
11n (HT40) CH62_26dB bandwidth



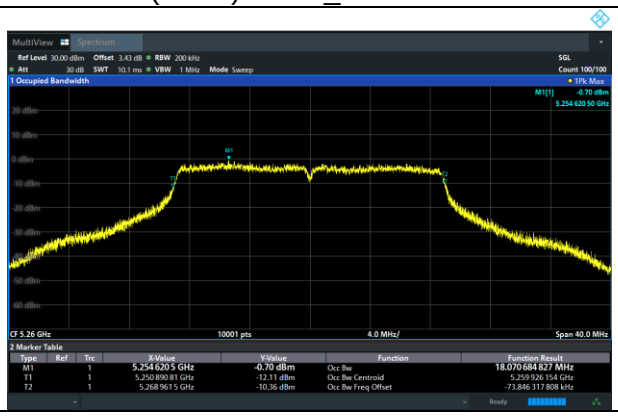
11n (HT40) CH62_99% bandwidth



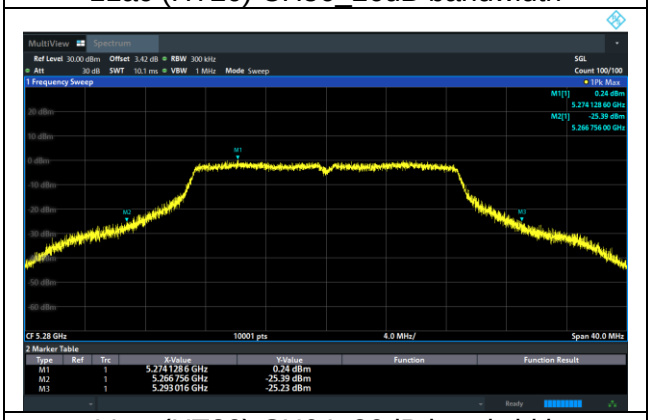
11ac (HT20) CH52_26dB bandwidth



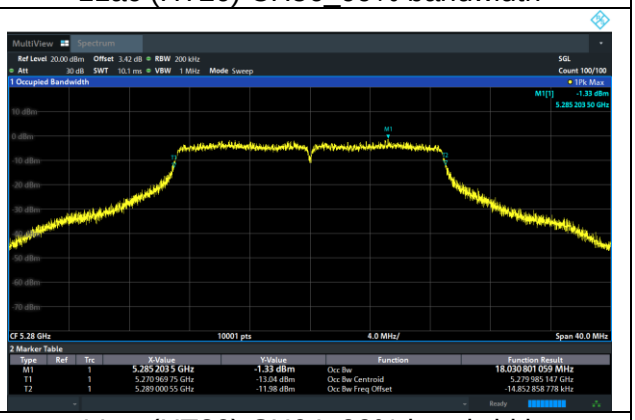
11ac (HT20) CH52_99% bandwidth



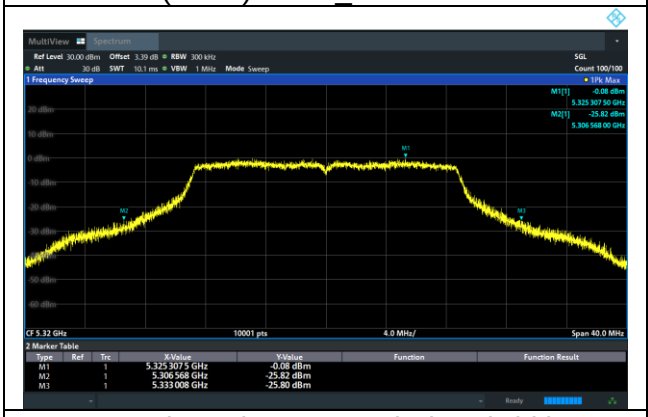
11ac (HT20) CH56_26dB bandwidth



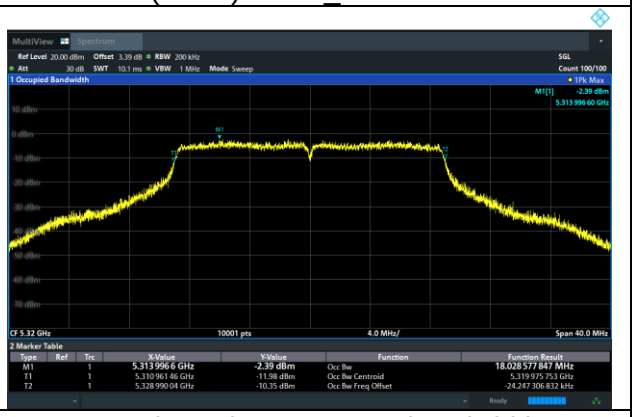
11ac (HT20) CH56_99% bandwidth



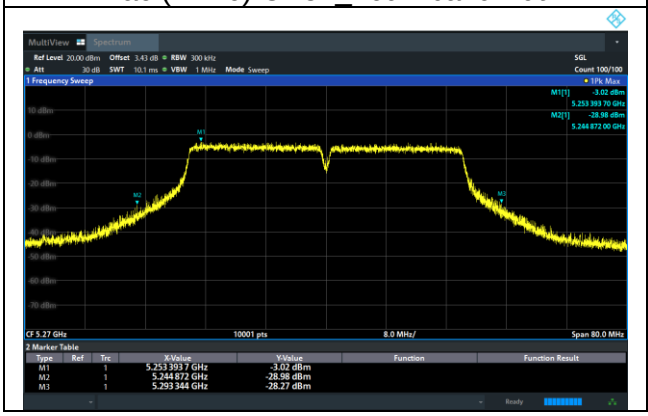
11ac (HT20) CH64_26dB bandwidth



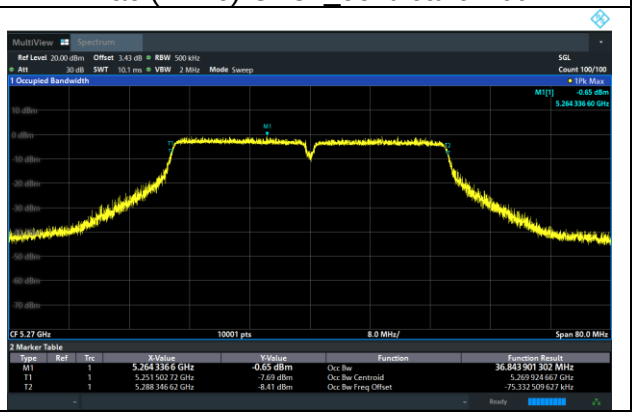
11ac (HT20) CH64_99% bandwidth



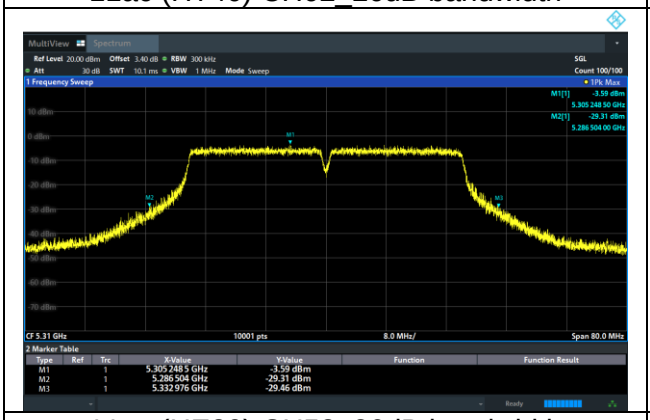
11ac (HT40) CH54_26dB bandwidth



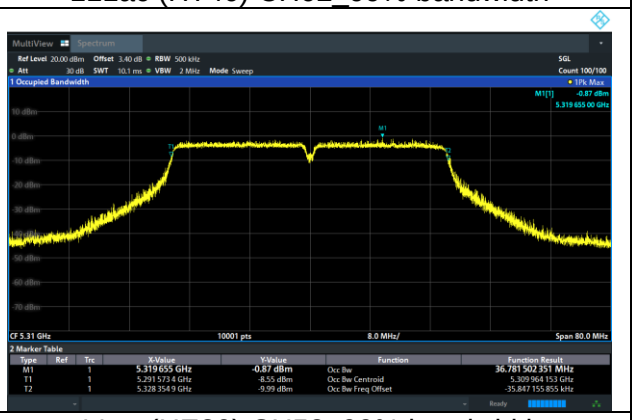
11ac (HT40) CH54_99% bandwidth



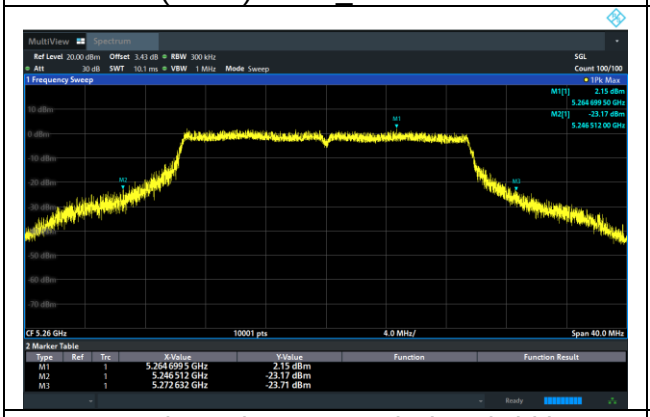
11ac (HT40) CH62_26dB bandwidth



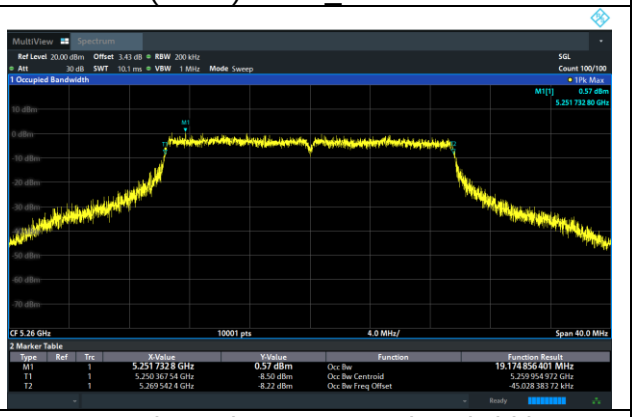
111ac (HT40) CH62_99% bandwidth



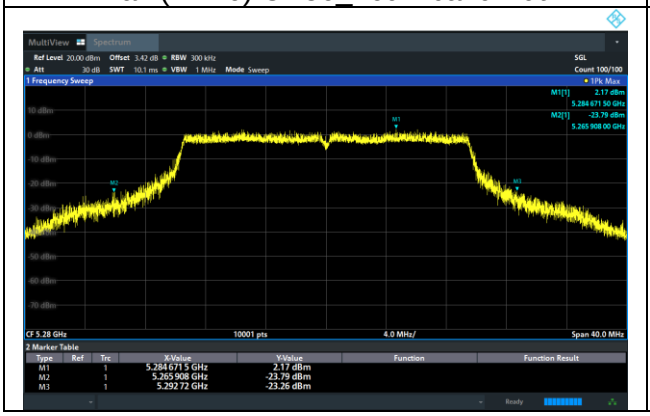
11ax (HE20) CH52_26dB bandwidth



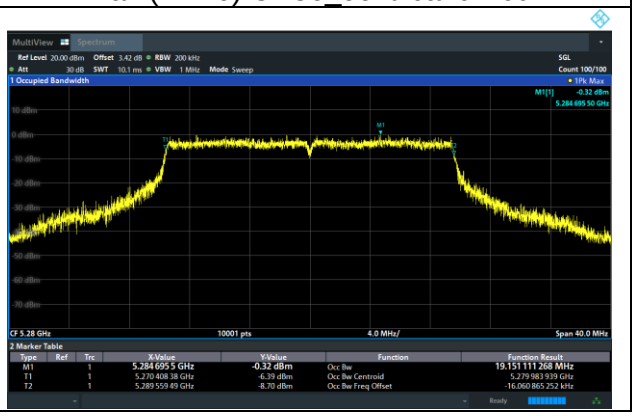
11ax (HE20) CH52_99% bandwidth

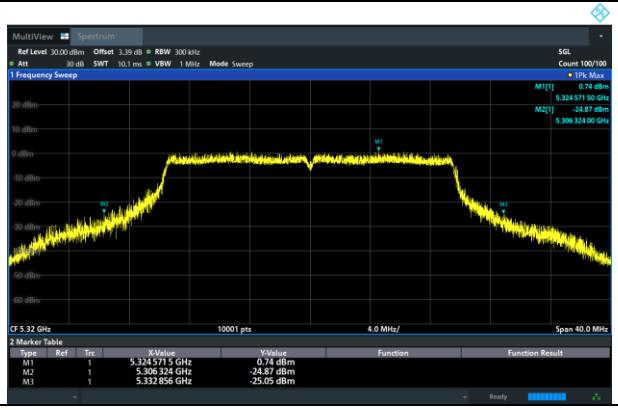
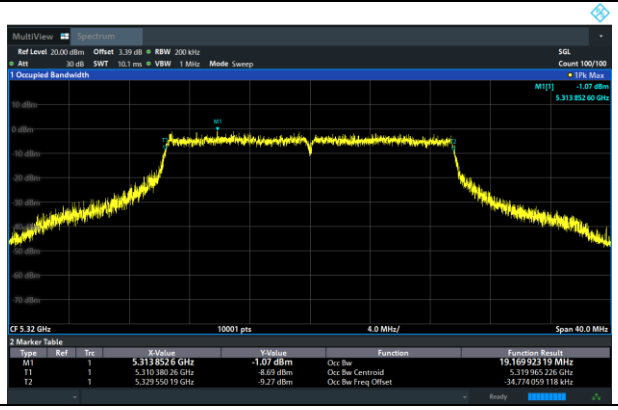
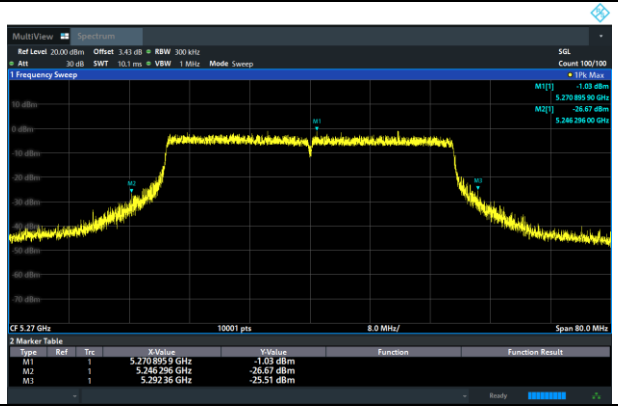
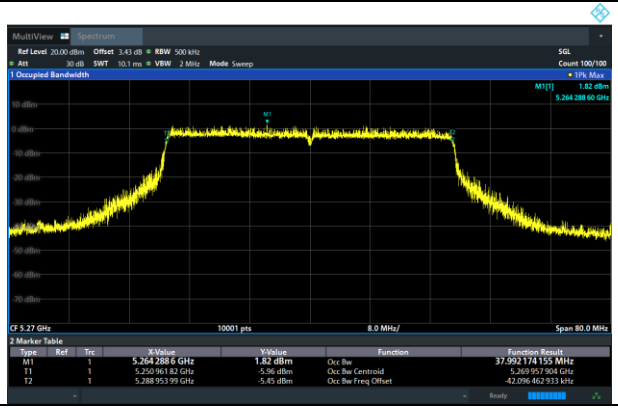
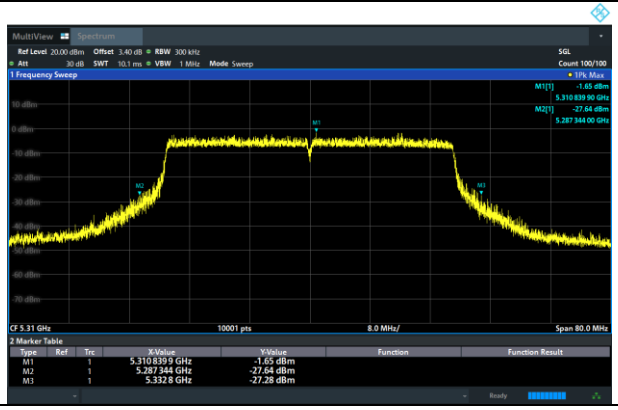
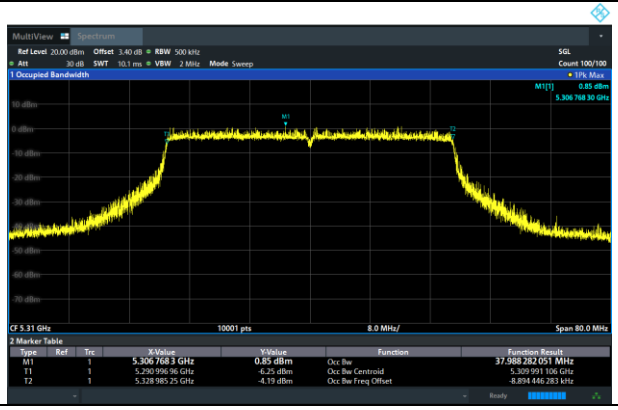


11ax (HE20) CH56_26dB bandwidth



11ax (HE20) CH56_99% bandwidth



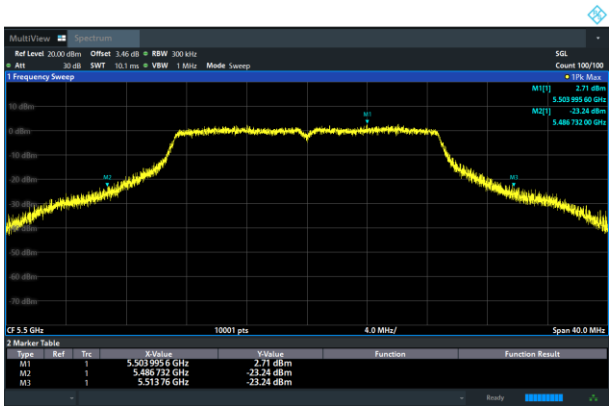
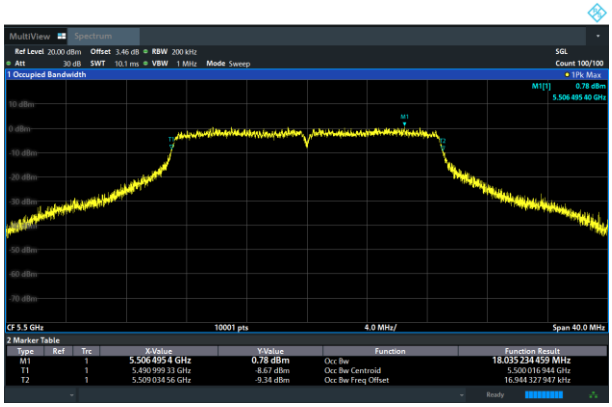
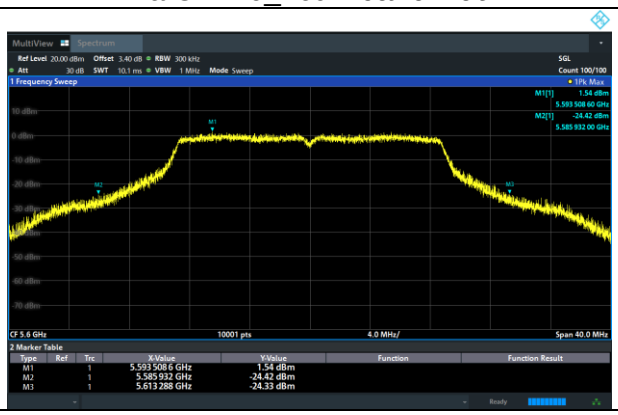
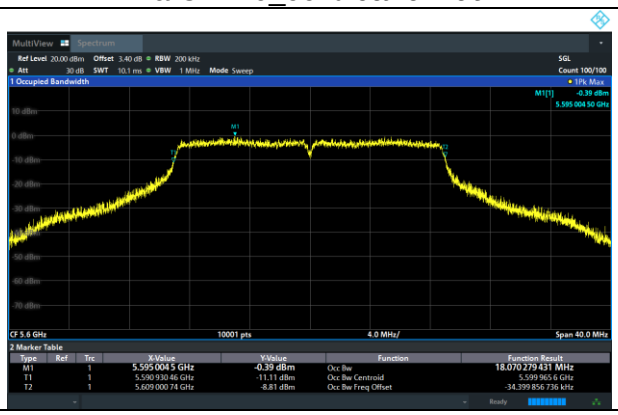
11ax (HE20) CH64_26dB bandwidth	11ax (HE20) CH64_99% bandwidth
	
11ax (HE40) CH54_26dB bandwidth	**11ax (HE40) CH54_99% bandwidth**
	
11ax (HE40) CH62_26dB bandwidth	**111ax (HE40) CH62_99% bandwidth**
	

U-NII-2C

Channel	Test Channel	Frequency (MHz)	26dB bandwidth (MHz)	Limit (kHz)	99% bandwidth	Limit (kHz)	Result
11a	CH100	5500	27.028	/	18.035	/	Pass
11a	CH120	5600	27.356	/	18.07	/	Pass
11a	CH140	5700	32.184	/	18.167	/	Pass
11n (HT20)	CH100	5500	26.904	/	18.05	/	Pass
11n (HT20)	CH120	5600	27.252	/	18.073	/	Pass
11n (HT20)	CH140	5700	28.52	/	18.125	/	Pass
11n (HT40)	CH102	5510	46.704	/	36.799	/	Pass
11n (HT40)	CH110	5550	47.04	/	36.765	/	Pass
11n (HT40)	CH134	5670	46.176	/	36.935	/	Pass
11ac (HT20)	CH100	5500	28.236	/	18.028	/	Pass
11ac (HT20)	CH120	5600	27.46	/	18.061	/	Pass
11ac (HT20)	CH140	5700	30.348	/	18.134	/	Pass
11ac (HT40)	CH102	5510	46.504	/	36.716	/	Pass
11ac (HT40)	CH110	5550	48.264	/	36.744	/	Pass
11ac (HT40)	CH134	5670	48.568	/	36.812	/	Pass
11ax (HE20)	CH100	5500	26.464	/	19.167	/	Pass
11ax (HE20)	CH120	5600	33.772	/	19.298	/	Pass
11ax (HE20)	CH140	5700	30.348	/	19.224	/	Pass
11ax (HE40)	CH102	5510	45.736	/	37.935	/	Pass
11ax (HE40)	CH110	5550	47.128	/	38.063	/	Pass
11ax (HE40)	CH134	5670	44.832	/	37.996	/	Pass

Test plots:

U-NII-2C

11a CH100_26dB bandwidth	11a CH100_99% bandwidth
	
11a CH120_26dB bandwidth	**11a CH120_99% bandwidth**
	
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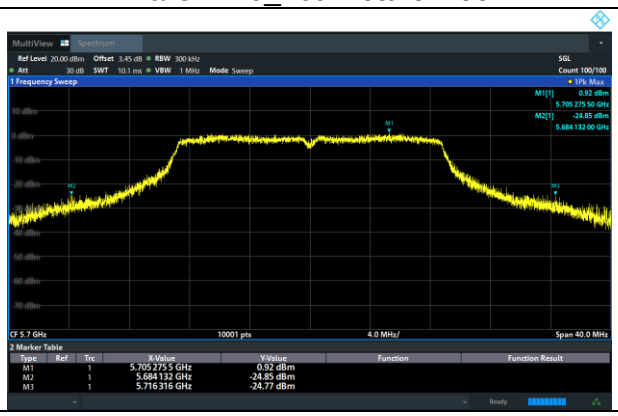
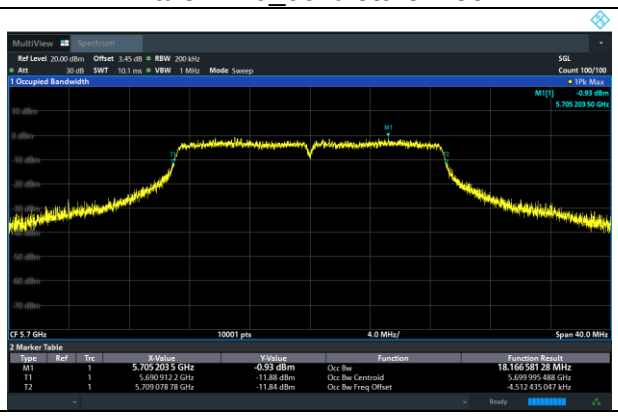
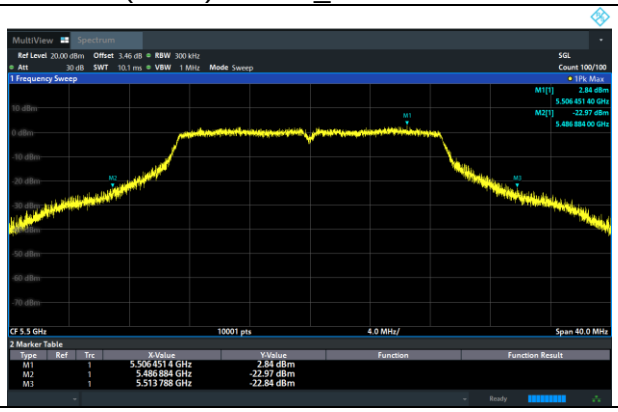
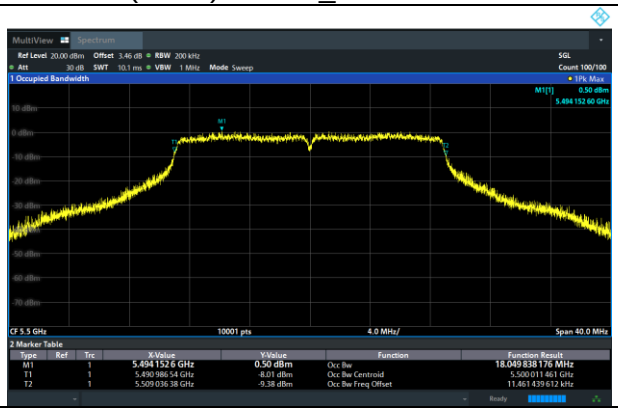
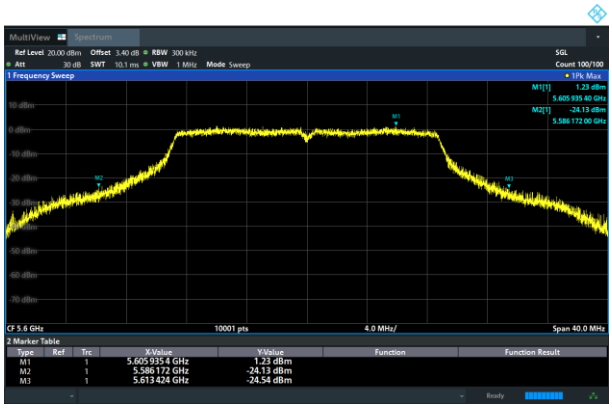
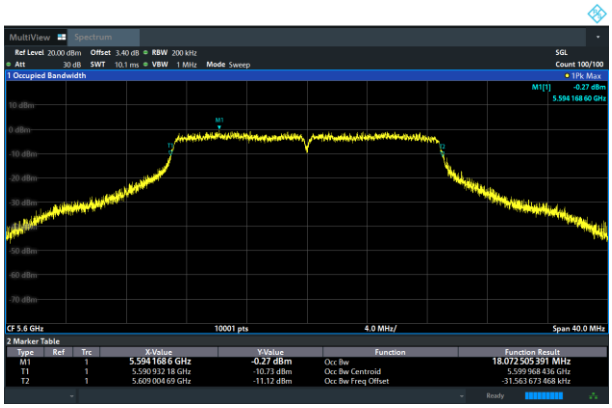
	

11n (HT20) CH100_26dB bandwidth	11n (HT20) CH100_99% bandwidth
	
11n (HT20) CH120_26dB bandwidth	**11n (HT20) CH120_99% bandwidth**
	
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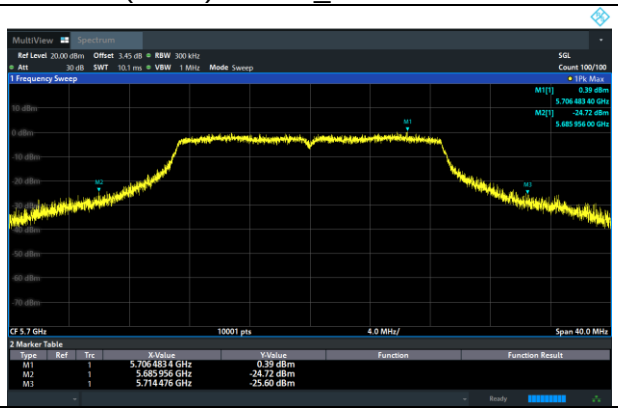
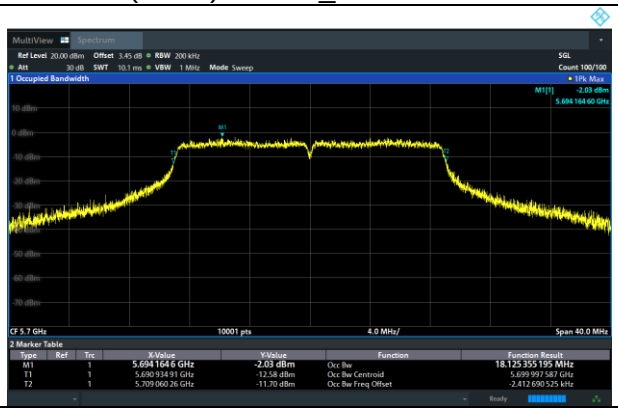
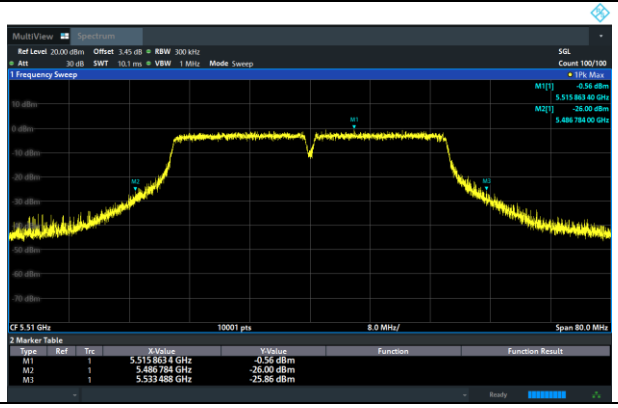
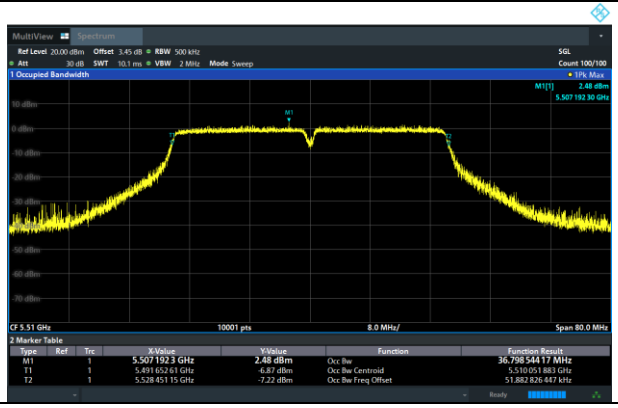
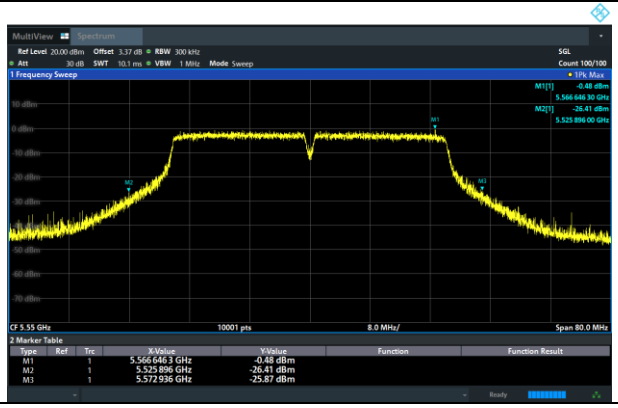
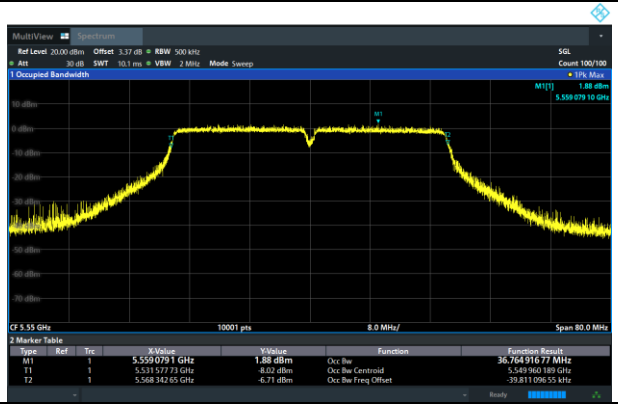
	

11n (HT40) CH102_26dB bandwidth	11n (HT40) CH102_99% bandwidth
	
11n (HT40) CH110_26dB bandwidth	11n (HT40) CH110_99% bandwidth
	
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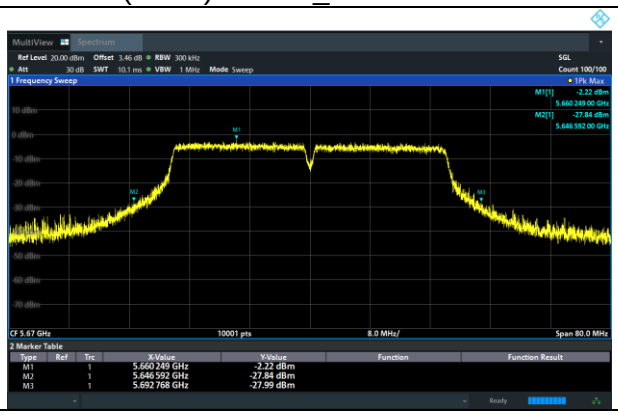
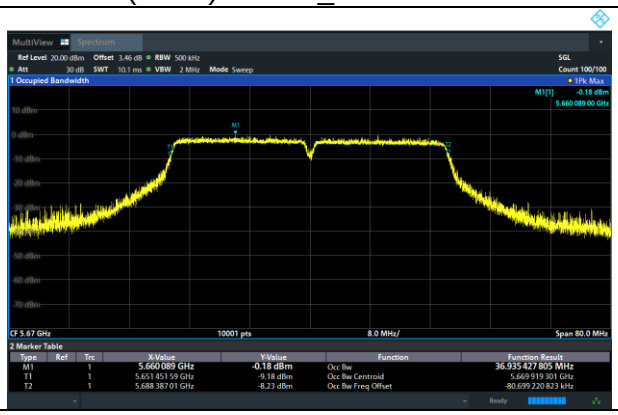
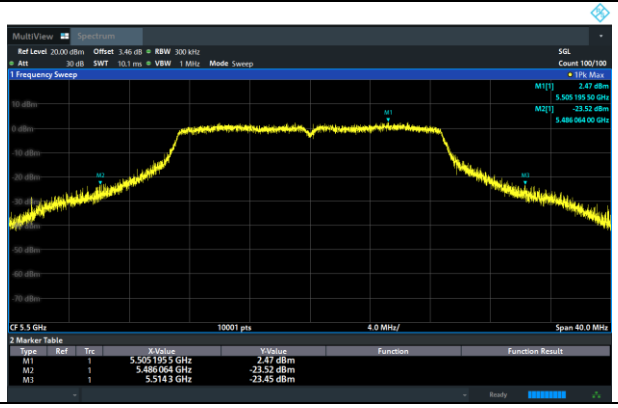
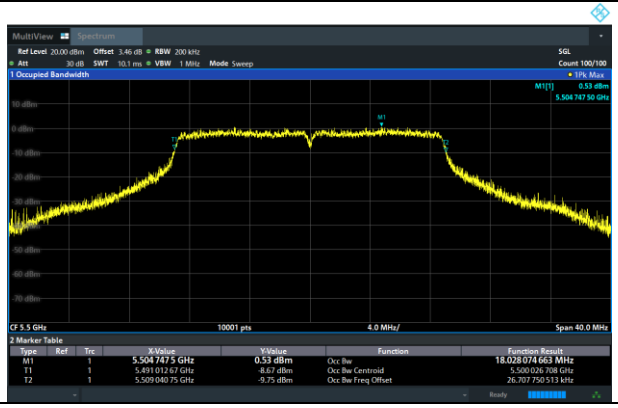
	

11ac (HT20) CH100_26dB bandwidth	11ac (HT20) CH100_99% bandwidth
	
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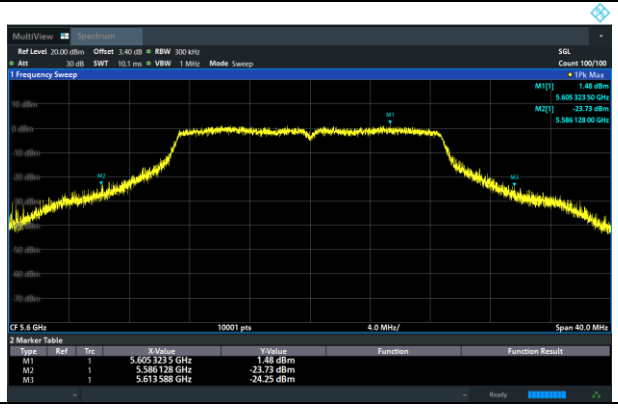
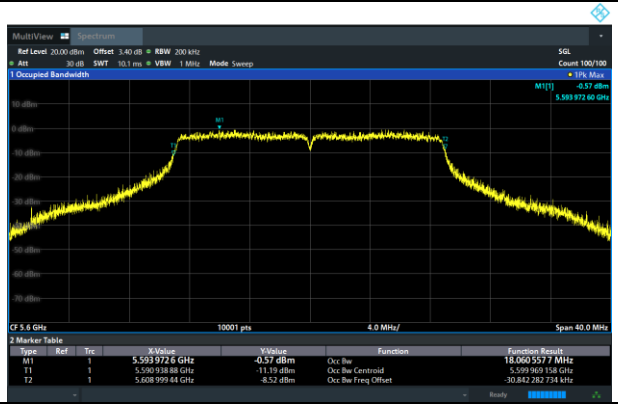
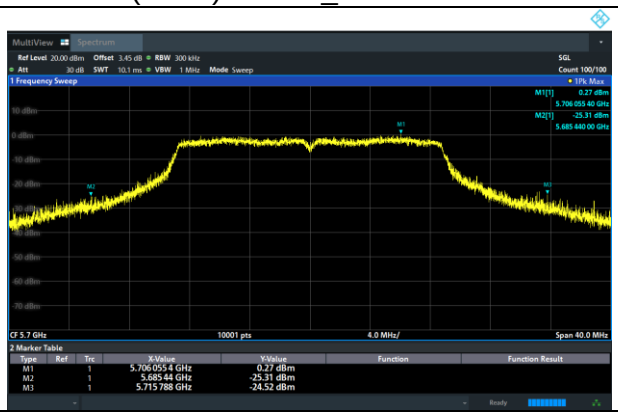
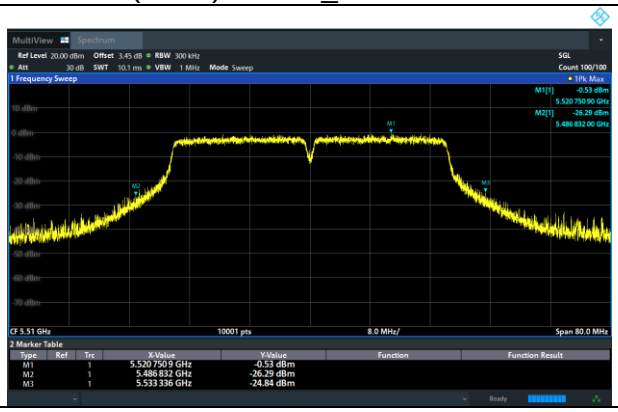
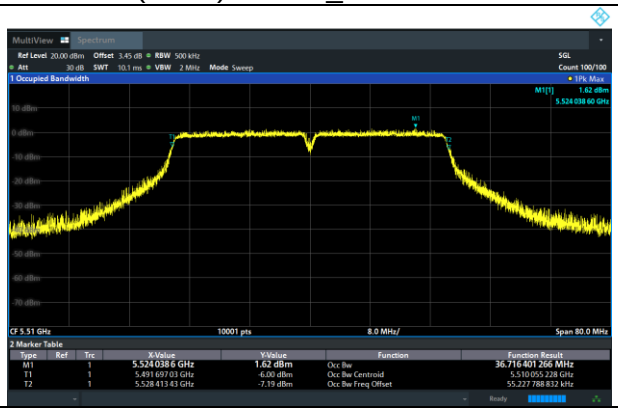
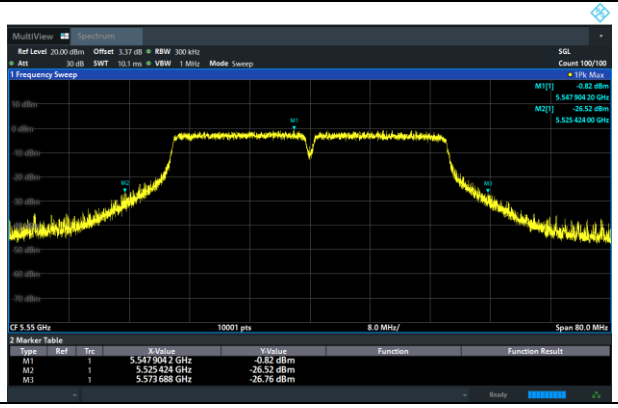
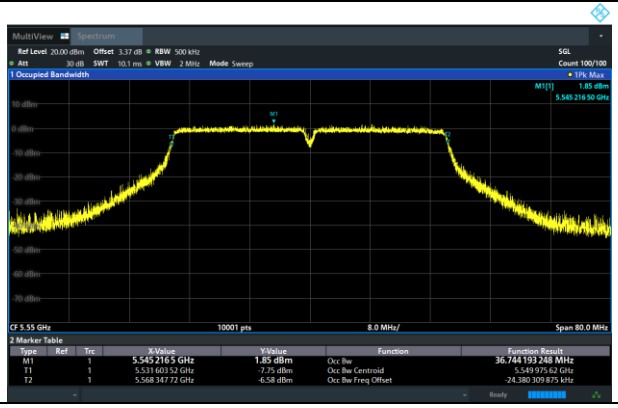
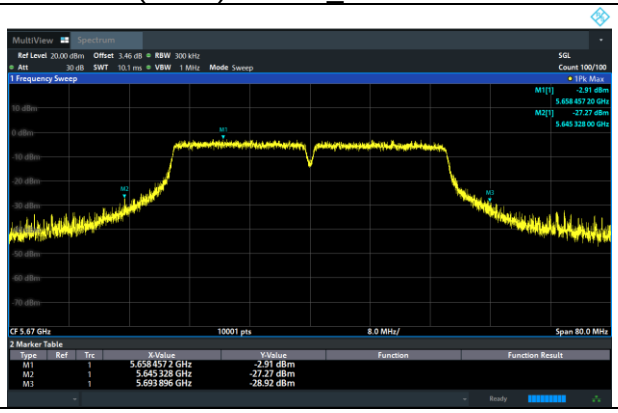
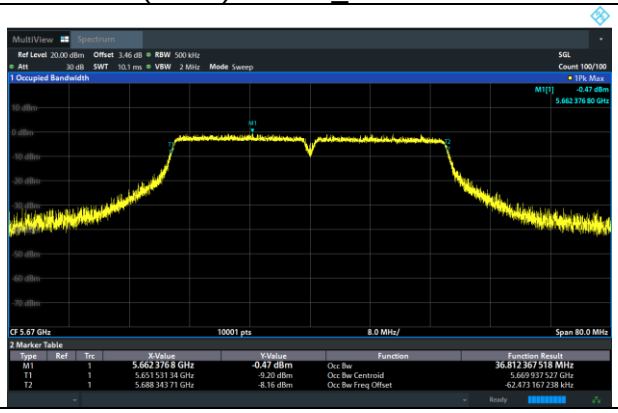
	
11ac (HT20) CH140_26dB bandwidth	**11ac (HT20) CH140_99% bandwidth**
	

11ac (HT40) CH102_26dB bandwidth	11ac (HT40) CH102_99% bandwidth
	
11ac (HT40) CH110_26dB bandwidth	**11ac (HT40) CH110_99% bandwidth**
	
11ac (HT40) CH134_26dB bandwidth	**11ac (HT40) CH134_99% bandwidth**
	

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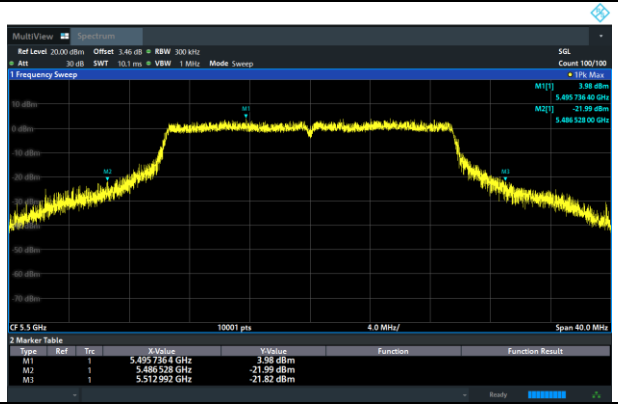	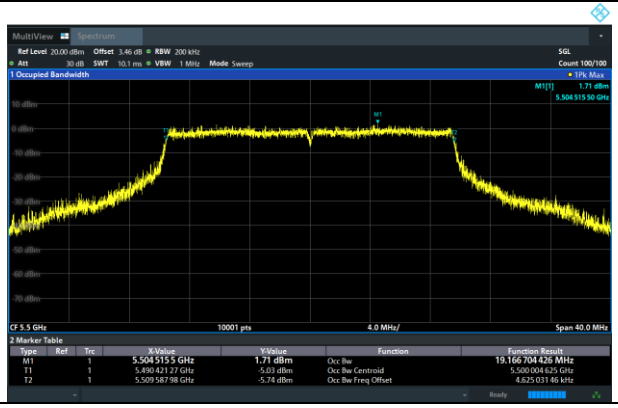
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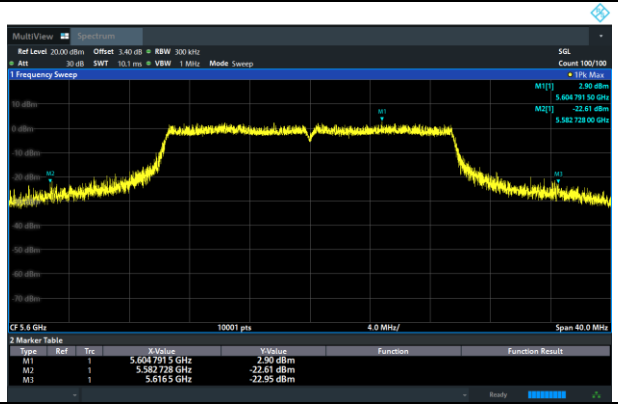
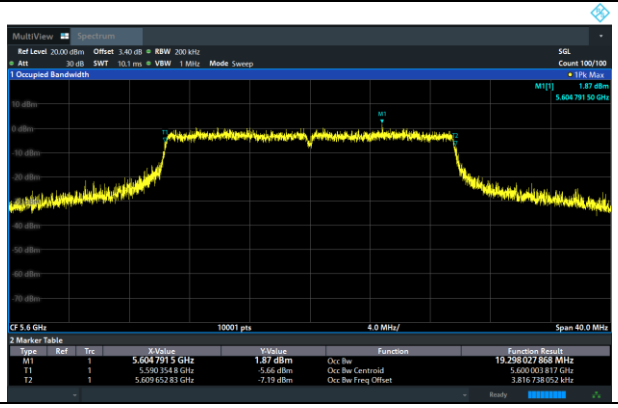
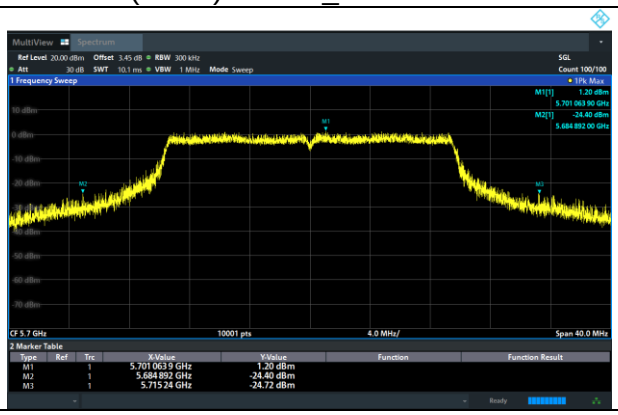
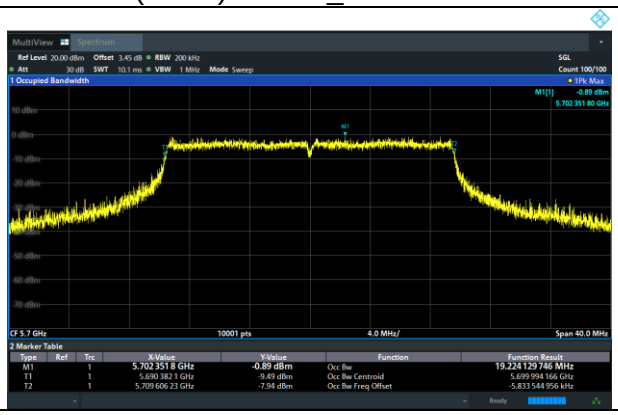
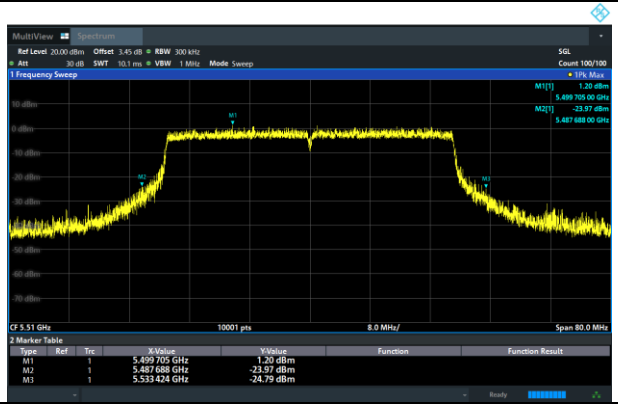
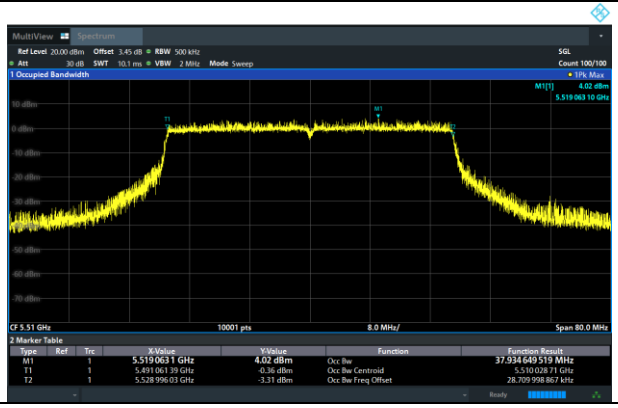
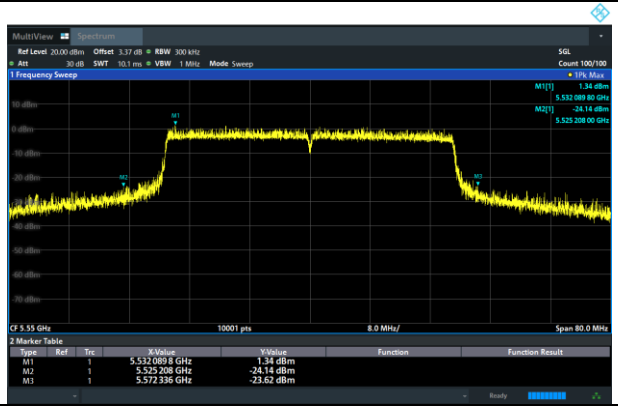
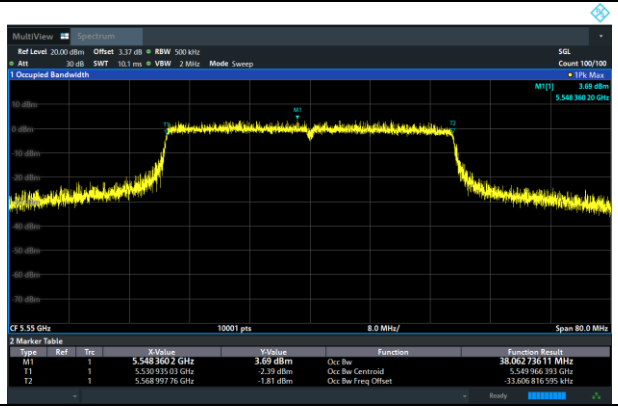
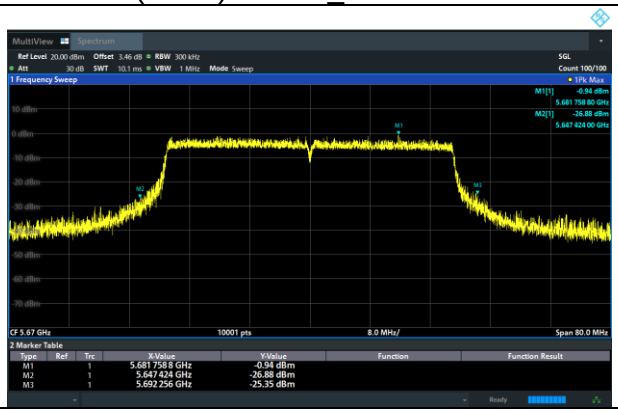
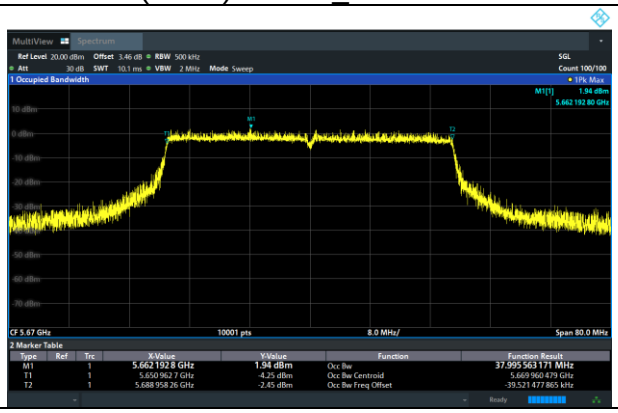
	
11ax (HE20) CH140_26dB bandwidth	**11ax (HE20) CH140_99% bandwidth**
	

11ax (HE40) CH102_26dB bandwidth	11ax (HE40) CH102_99% bandwidth
	
11ax (HE40) CH110_26dB bandwidth	11ax (HE40) CH110_99% bandwidth
	
11ax (HE40) CH134_26dB bandwidth	11ax (HE40) CH134_99% bandwidth
	

5.7 6 dB Bandwidth

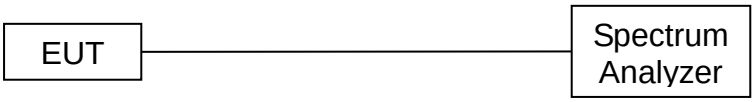
5.7.1 Limit

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.7.2 Test Procedure

1. Set RBW= 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

5.7.3 Test Setup



5.7.4 Test Results

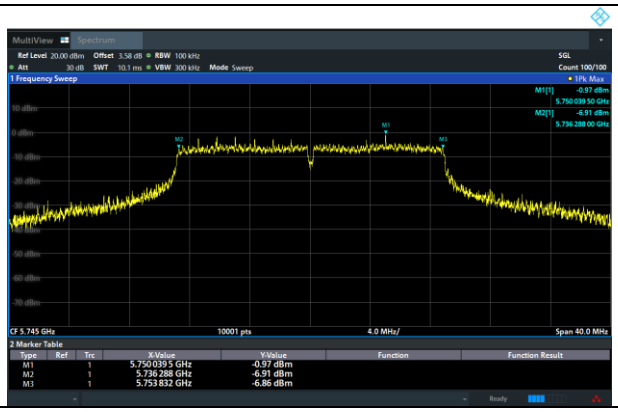
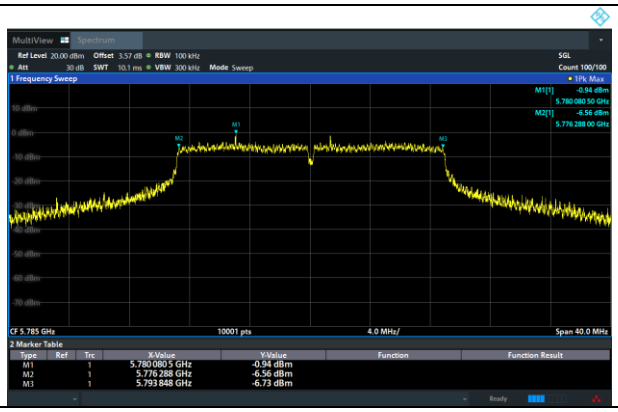
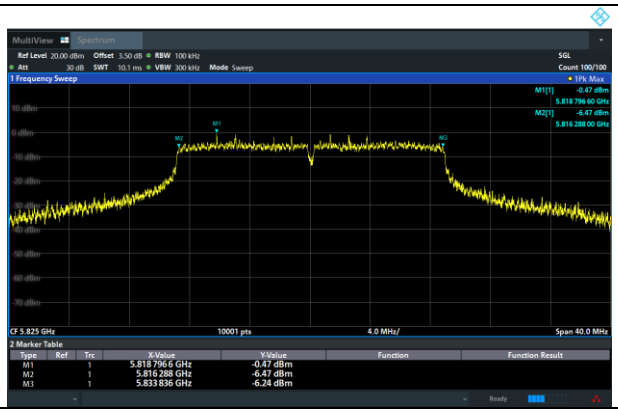
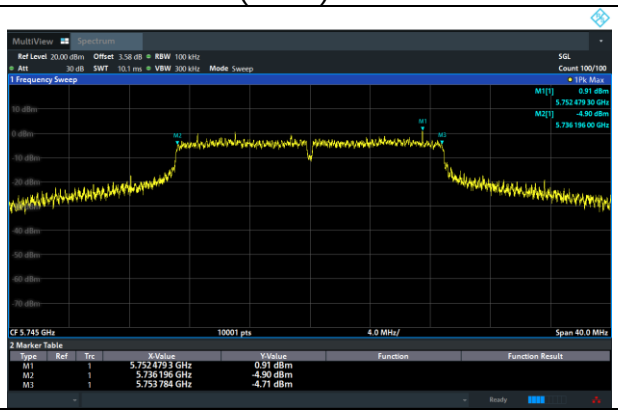
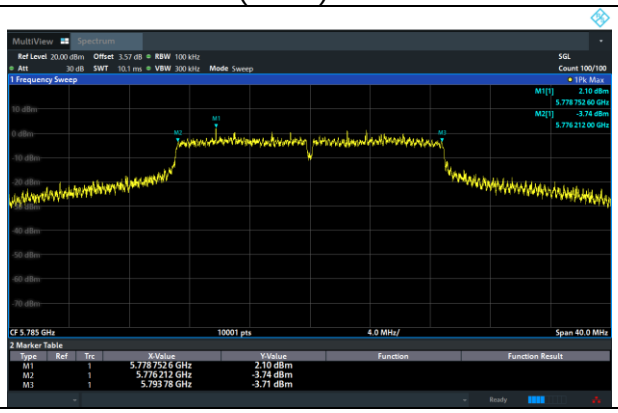
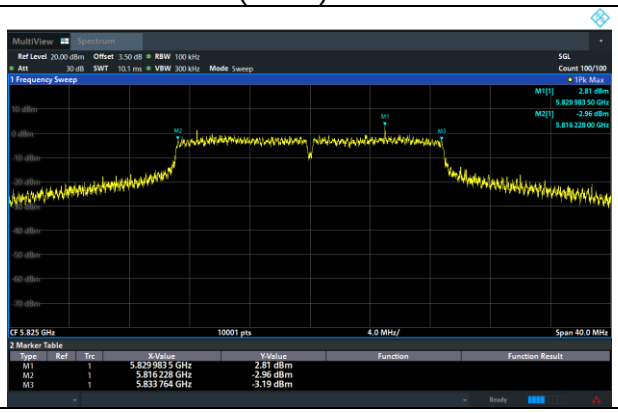
EUT:	Wireless Carplay/Android Auto Adapter	Model Name:	SYY01
Test Mode:	TX	Test Voltage:	DC 5V from adapter AC 120V/60Hz

For U-NII-3

Channel	Test Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
11a	CH149	5745	17.544	500	Pass
11a	CH157	5785	17.56	500	Pass
11a	CH165	5825	17.548	500	Pass
11n (HT20)	CH149	5745	17.588	500	Pass
11n (HT20)	CH157	5785	17.568	500	Pass
11n (HT20)	CH165	5825	17.536	500	Pass
11n (HT40)	CH151	5755	36.336	500	Pass
11n (HT40)	CH159	5795	36.312	500	Pass
11ac (HT20)	CH149	5745	17.56	500	Pass
11ac (HT20)	CH157	5785	17.588	500	Pass
11ac (HT20)	CH165	5825	17.564	500	Pass
11ac (HT40)	CH151	5755	36.064	500	Pass
11ac (HT40)	CH159	5795	36.304	500	Pass
11ax (HE20)	CH149	5745	18.948	500	Pass
11ax (HE20)	CH157	5785	18.932	500	Pass
11ax (HE20)	CH165	5825	19.012	500	Pass
11ax (HE40)	CH151	5755	37.664	500	Pass
11ax (HE40)	CH159	5795	37.848	500	Pass

Test plots:

For U-NII-3

11a CH149	11a CH157
	
11a CH165	**11n(HT20) CH149**
	
11n(HT20) CH157	**11n(HT20) CH165**