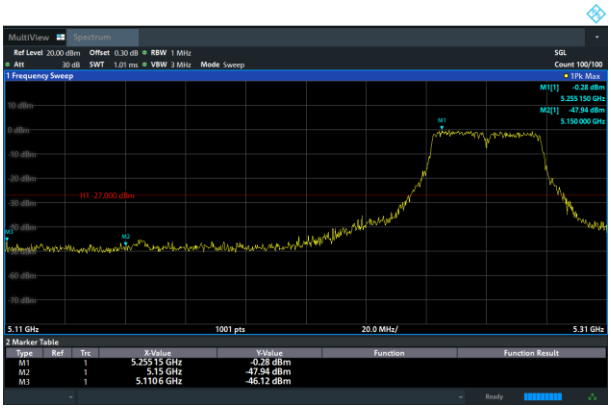
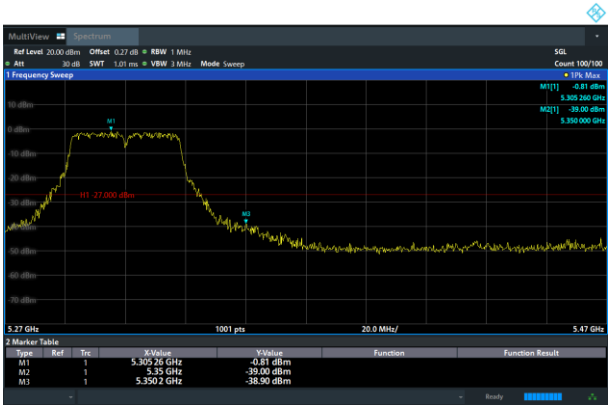
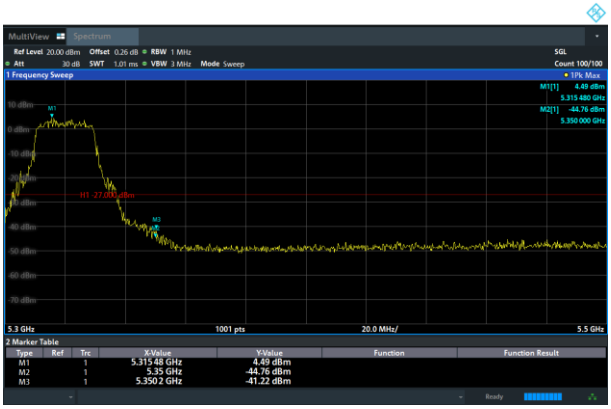
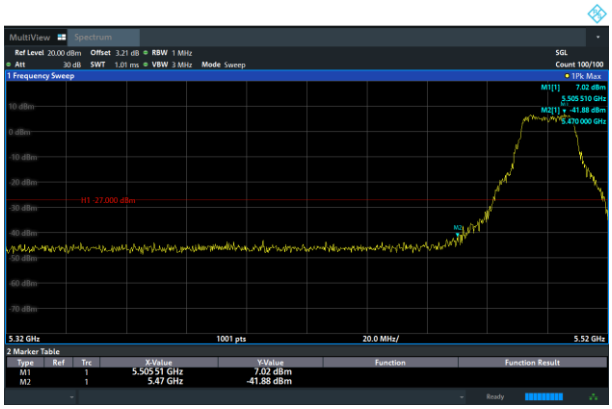
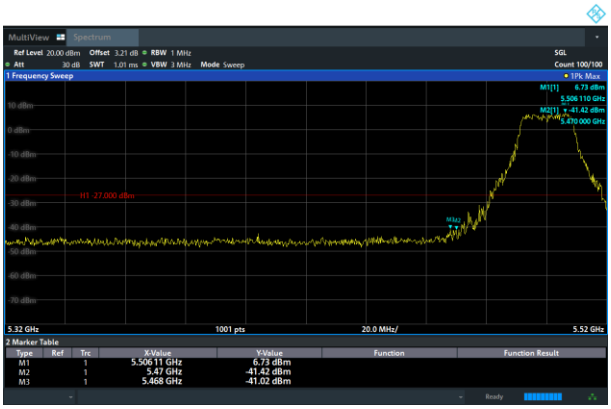
5250-5235 MHz	
(802.11ac40) Band Edge, Left Side	(802.11ax20) Band Edge, Left Side
	
(802.11ac40) Band Edge, Right Side	(802.11ax20) Band Edge, Right Side
	

5250-5235 MHz	
(802.11ax40) Band Edge, Left Side	(802.11ax40) Band Edge, Right Side

5470-5725 MHz	
(802.11a) Band Edge, Left Side	(802.11n20) Band Edge, Left Side
	
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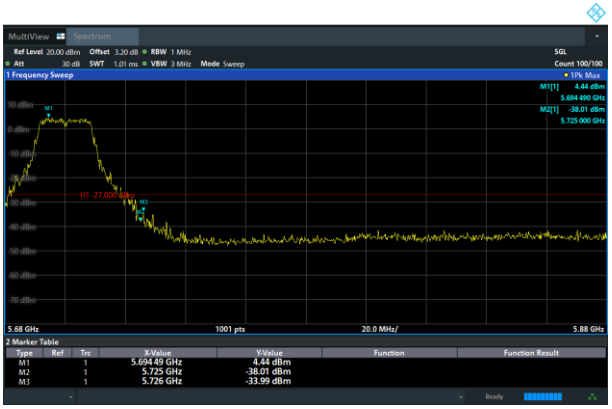
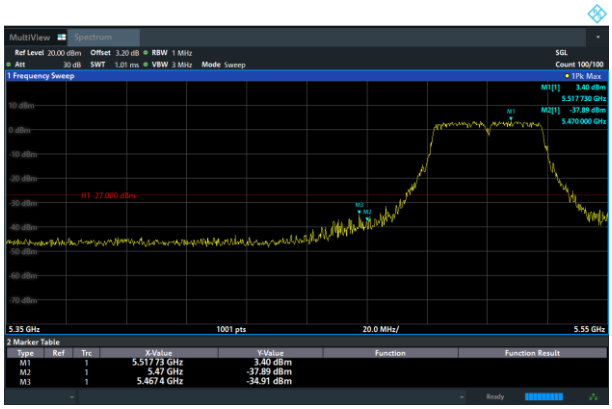
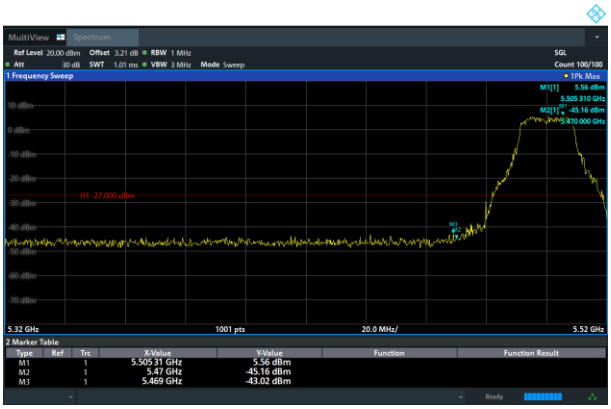
	

5470-5725 MHz	
(802.11n40) Band Edge, Left Side	(802.11ac20) Band Edge, Left Side
	
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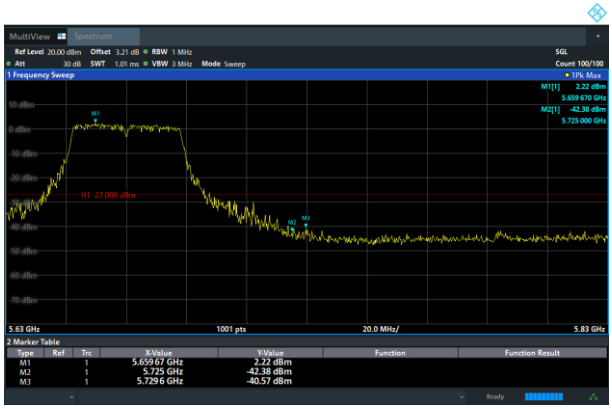
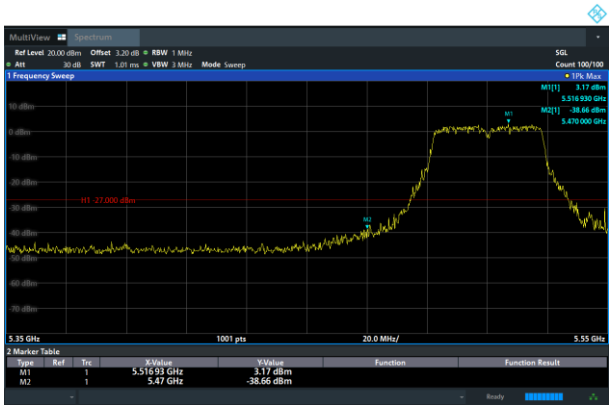
	

5470-5725 MHz	
(802.11ac40) Band Edge, Left Side	(802.11ax20) Band Edge, Left Side
	
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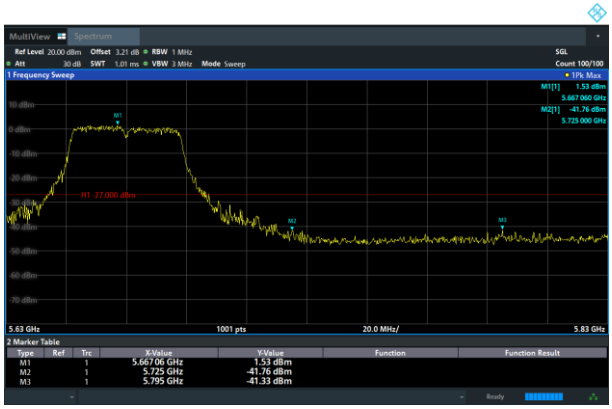
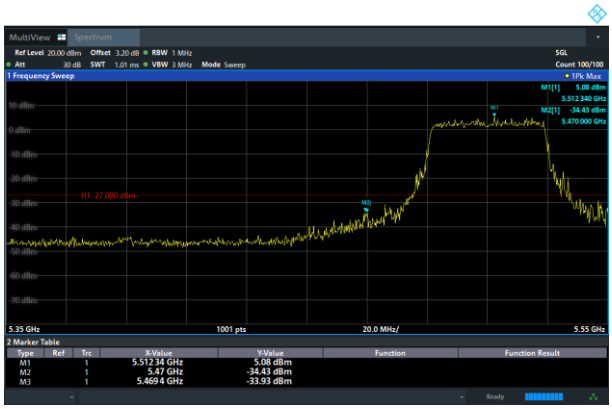
	

5470-5725 MHz	
(802.11ax40) Band Edge, Left Side	(802.11ax40) Band Edge, Right Side
	

5750-5850 MHz	
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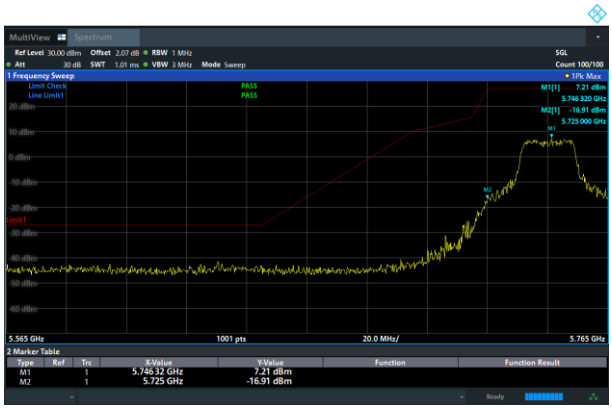
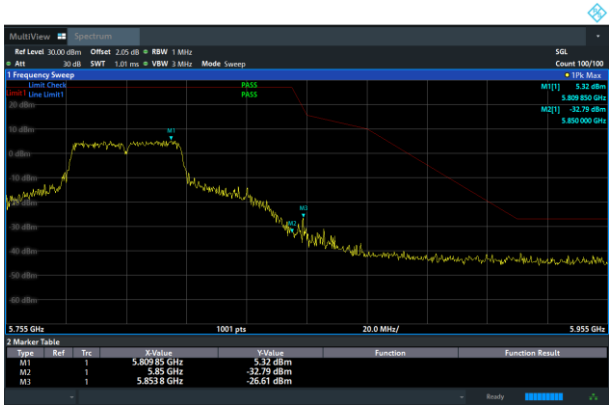
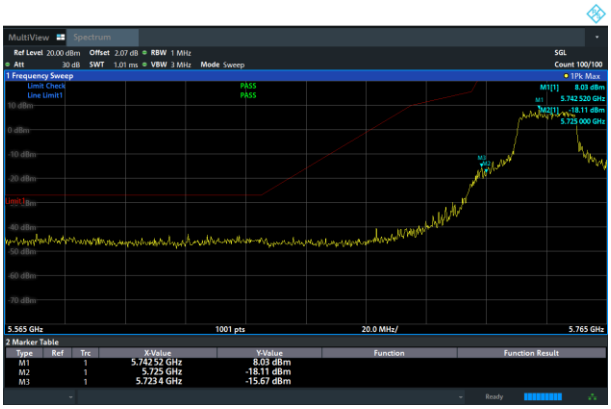
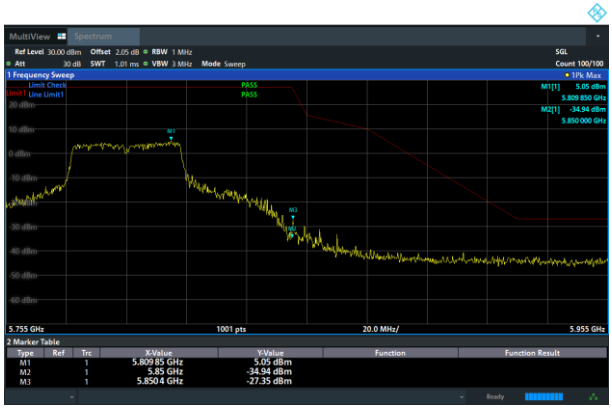
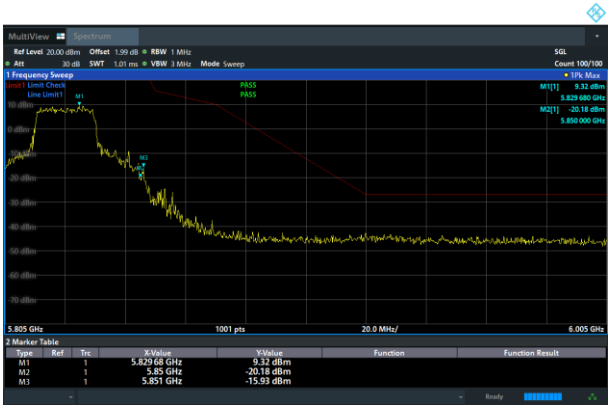
	
(802.11a) Band Edge, Right Side	(802.11n20) Band Edge, Right Side

5750-5850 MHz	
(802.11n40) Band Edge, Left Side	(802.11ac20) Band Edge, Left Side
(802.11n40) Band Edge, Right Side	(802.11ac20) Band Edge, Right Side
	

5750-5850 MHz	
(802.11ac40) Band Edge, Left Side	(802.11ax20) Band Edge, Left Side
	
(802.11ac40) Band Edge, Right Side	(802.11ax20) Band Edge, Right Side
	

5750-5850 MHz	
(802.11ax40) Band Edge, Left Side	(802.11ax40) Band Edge, Right Side

5.9 Spurious RF Conducted Emissions

5.9.1 Limit

According to FCC §15.407(b).

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15–5.25 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

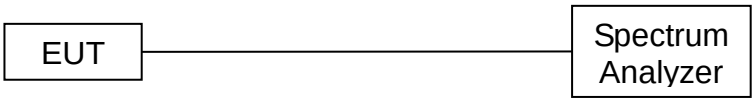
(4) For transmitters operating solely in the 5.725–5.850 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

5.9.2 Test Procedure

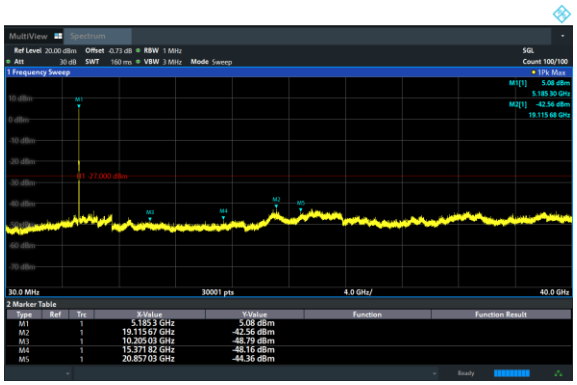
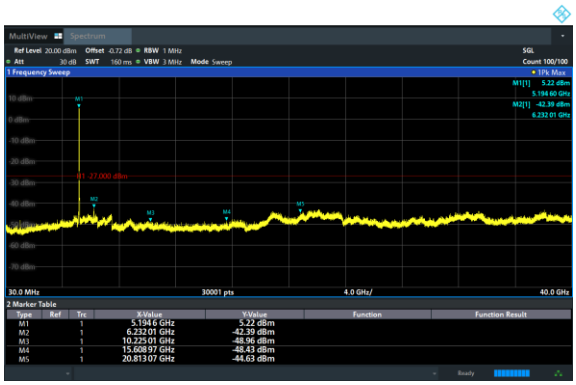
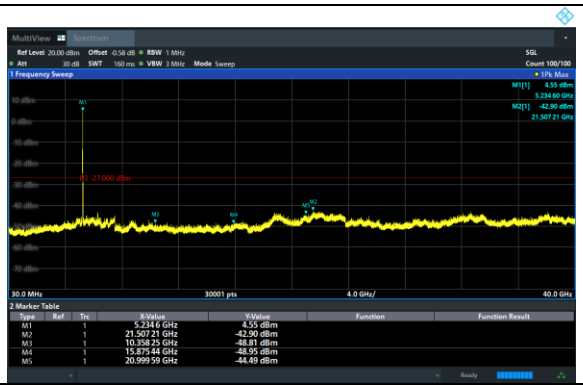
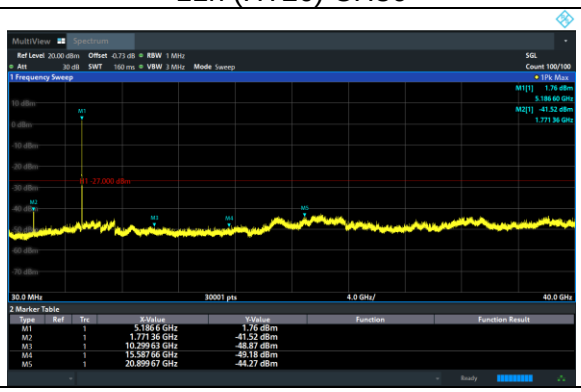
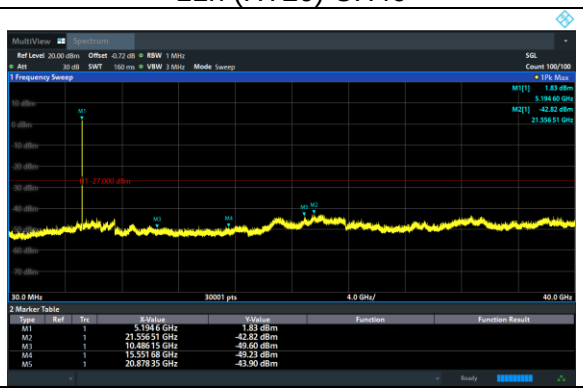
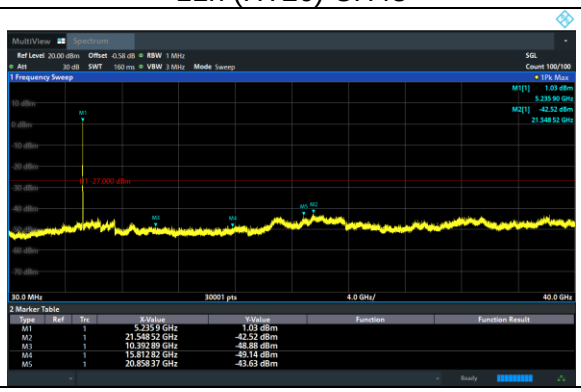
The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2020 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300kHz to measure the peak field strength, and measure frequency range from 9kHz to 26.5GHz.

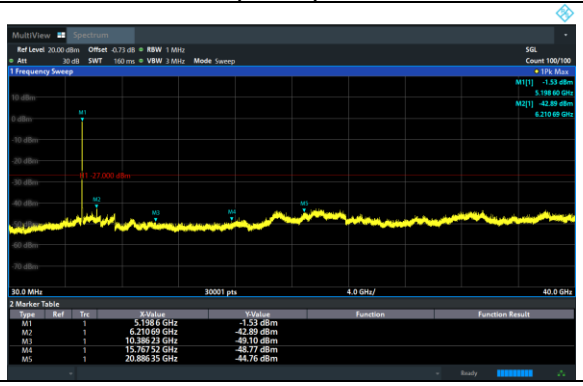
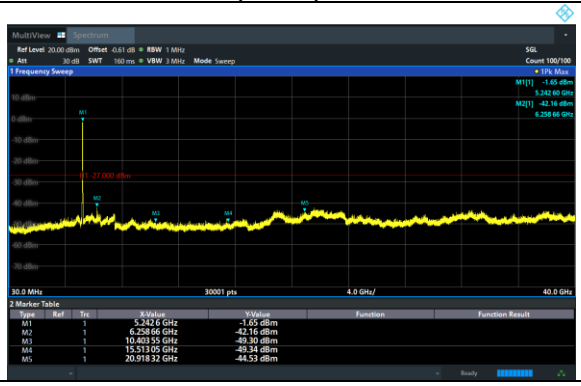
5.9.3 Test Setup



5.9.4 Test Results

Note: the measurement frequency range is from 9kHz to the 10th harmonic of the fundamental frequency; The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

U-NII-1	
11a CH36	11a CH40
	
11a CH48	11n (HT20) CH36
	
11n (HT20) CH40	11n (HT20) CH48
	

11n (HT40) CH38	11n (HT40) CH46
	
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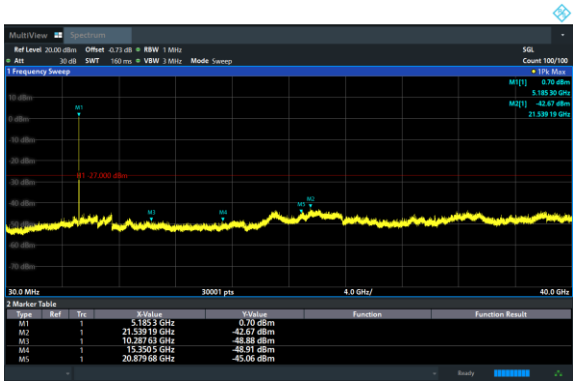	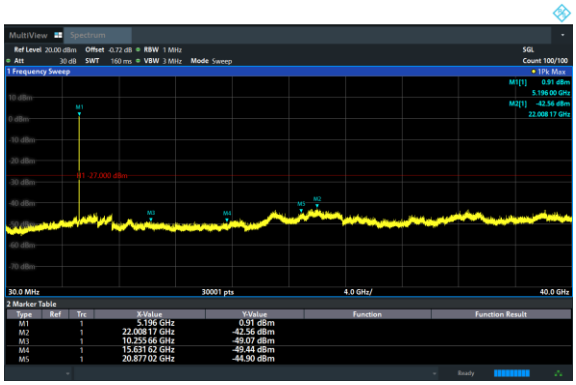
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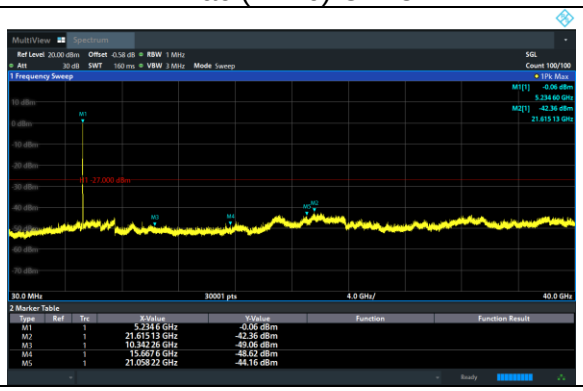
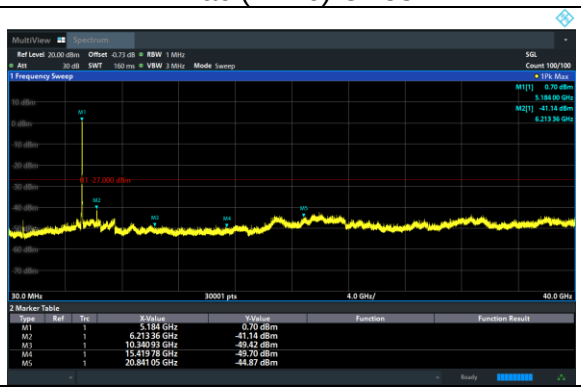
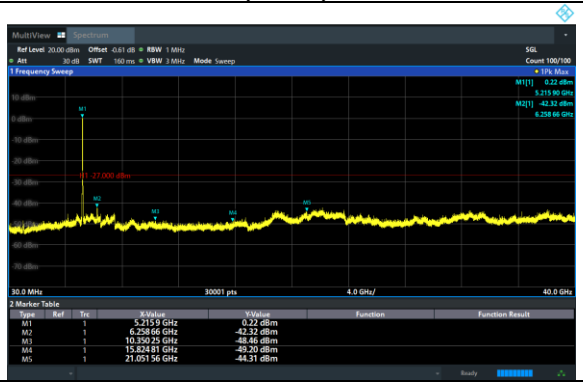
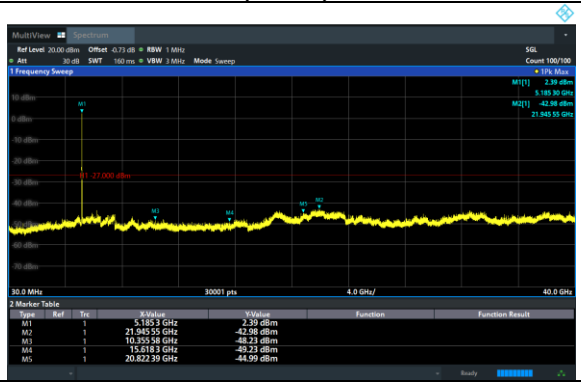
	

11ac (HT40) CH46	11ax (HE20) CH36
	
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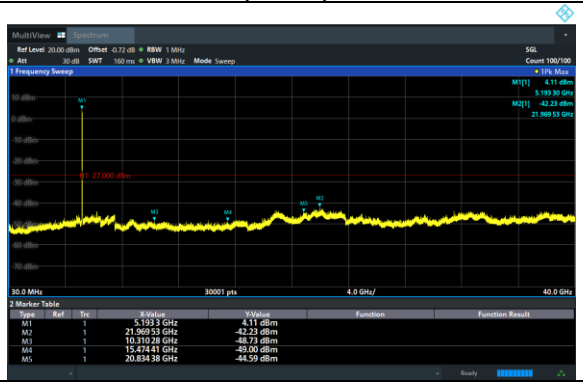
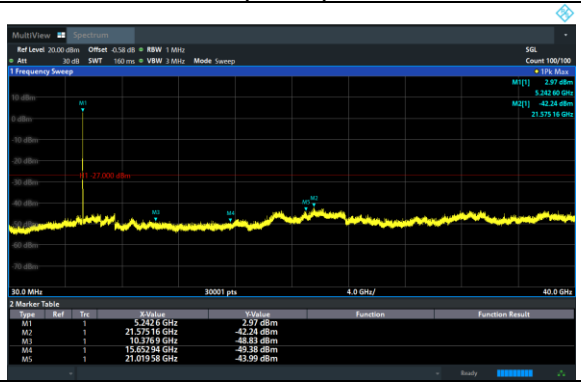
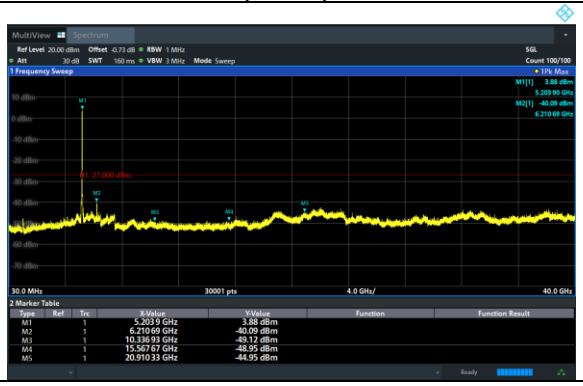
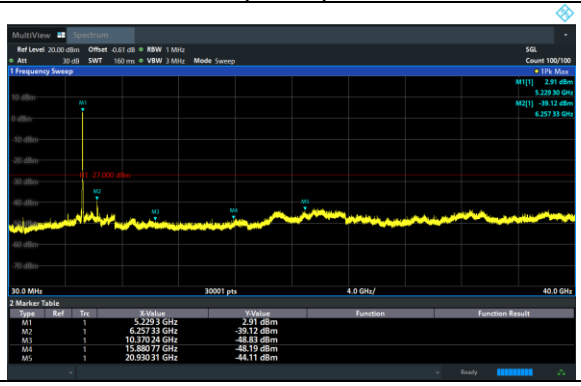
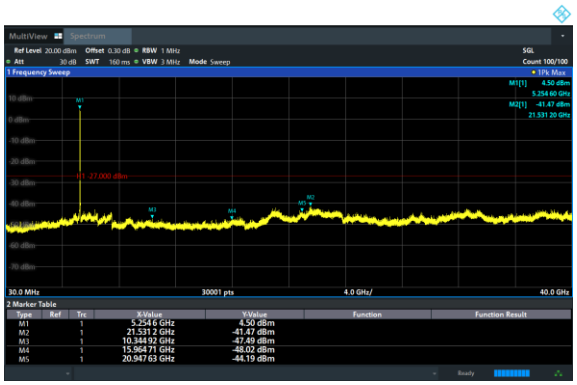
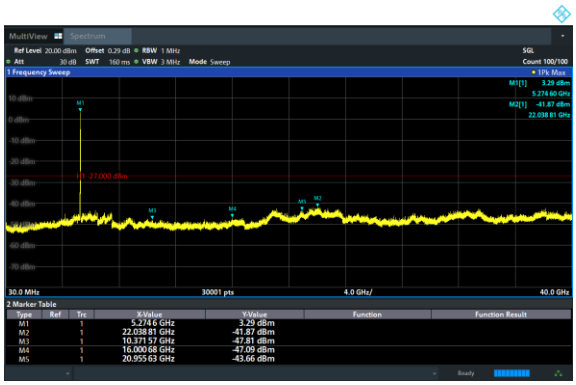
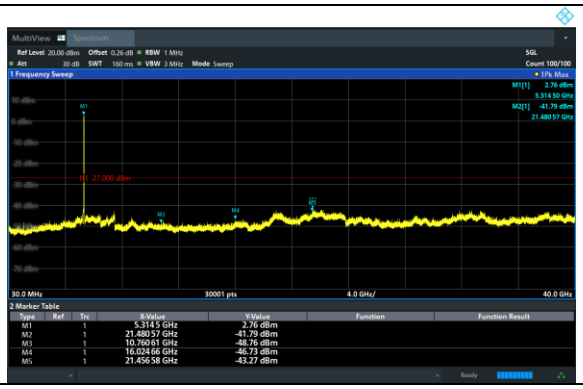
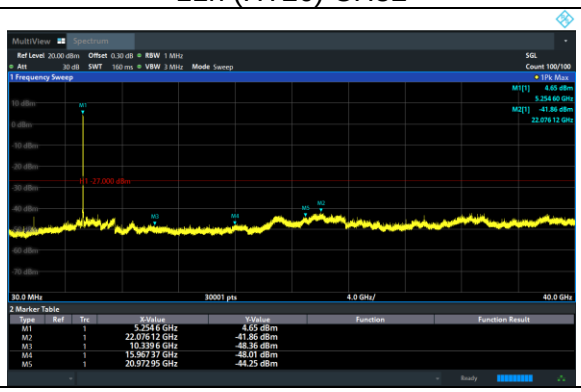
	
11ax (HE40) CH38	**11ax (HE40) CH46**
	

U-NII-2A	
11a CH52	11a CH56
	
11a CH64	11n (HT20) CH52
	
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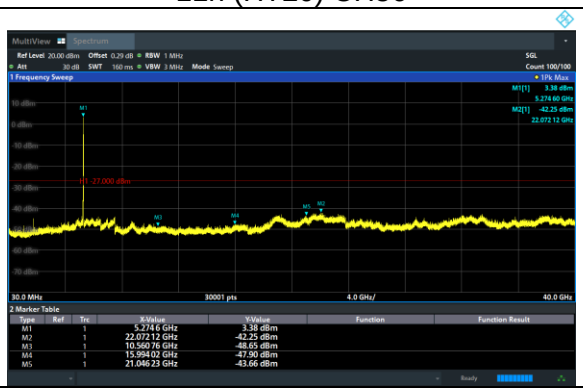
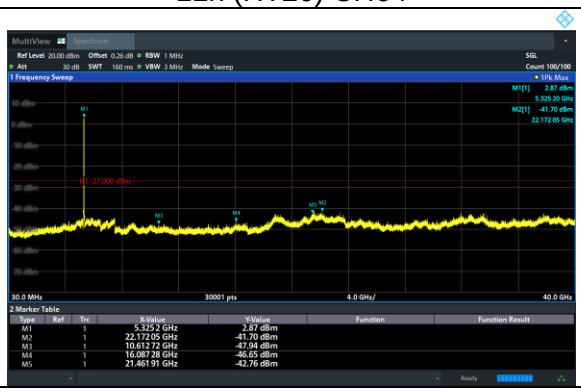
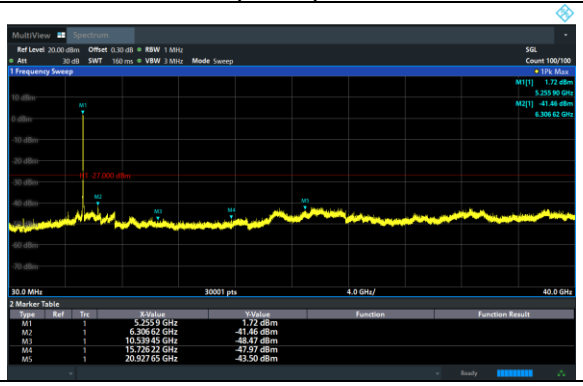
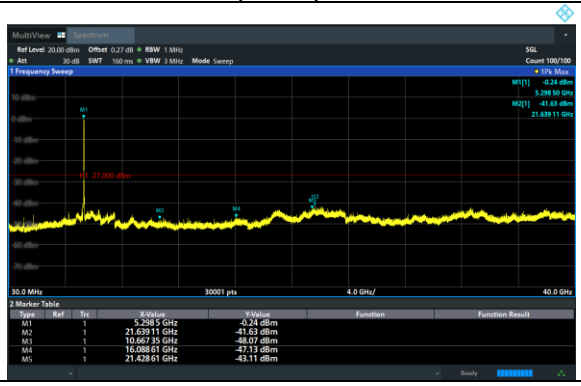
	

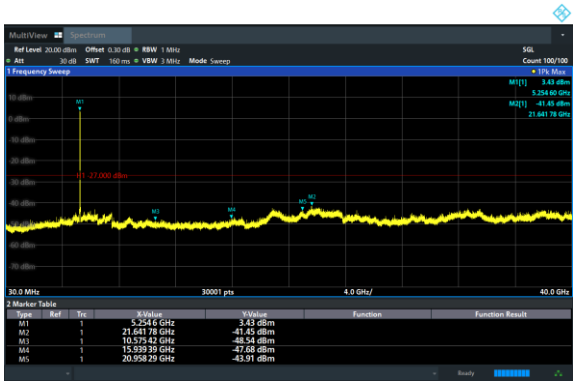
11n (HT40) CH54



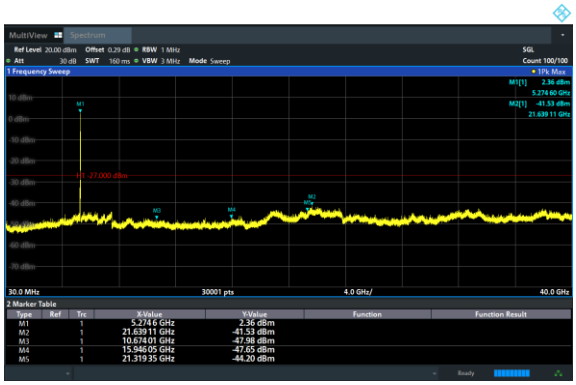
11n (HT40) CH62



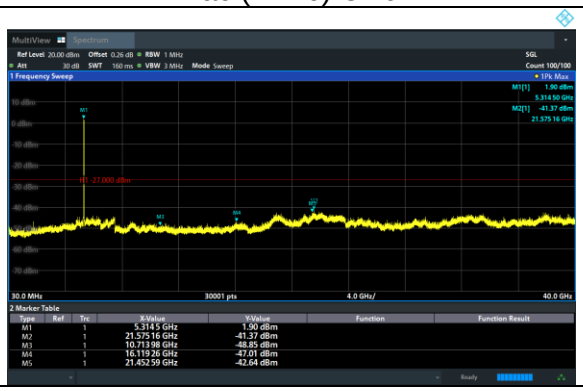
11ac (HT20) CH52



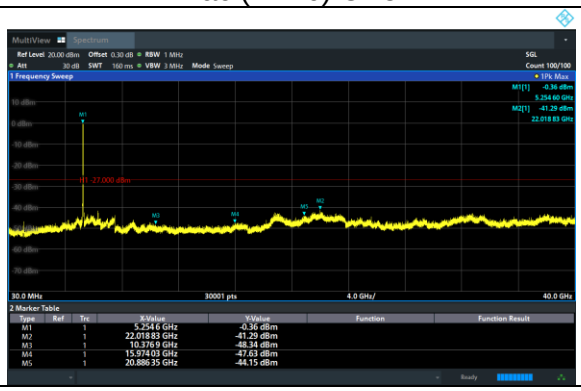
11ac (HT20) CH56

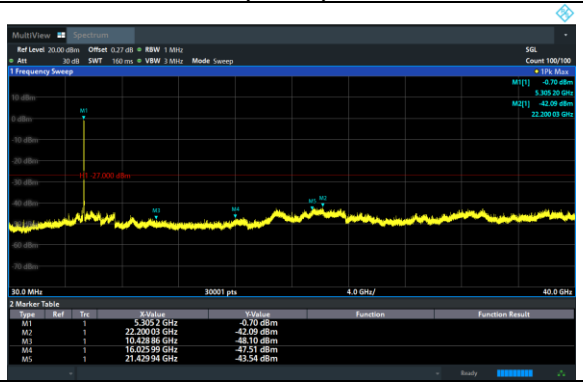
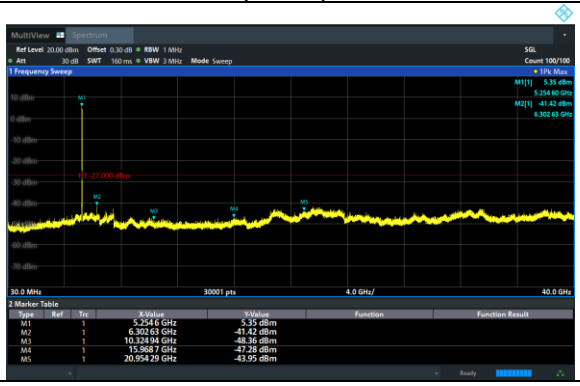


11ac (HT20) CH64



11ac (HT40) CH54



11ac (HT40) CH62	11ax (HE20) CH52
	
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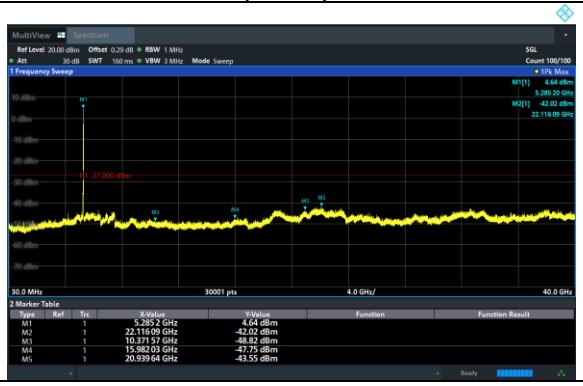
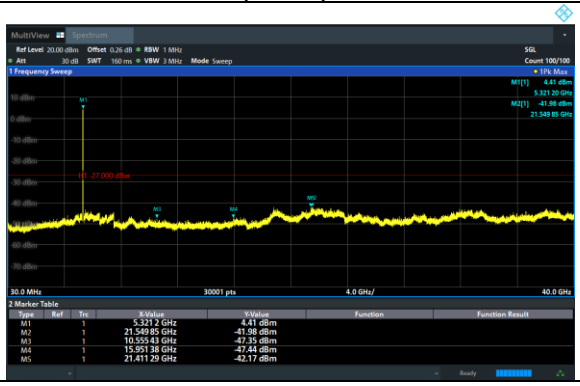
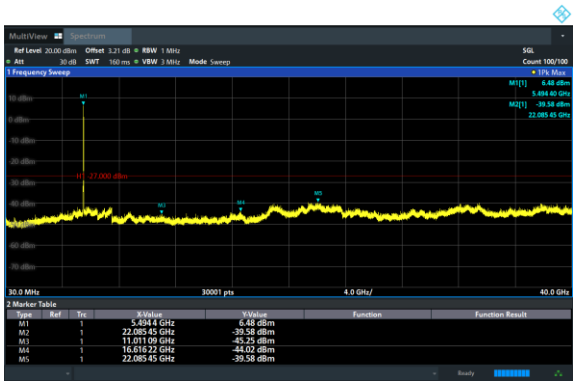
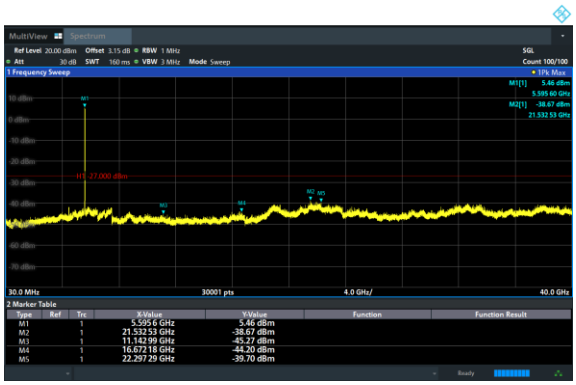
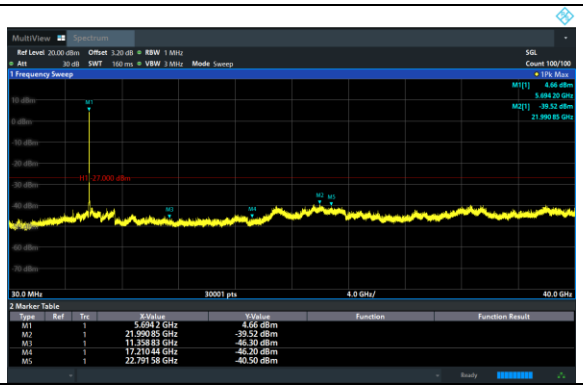
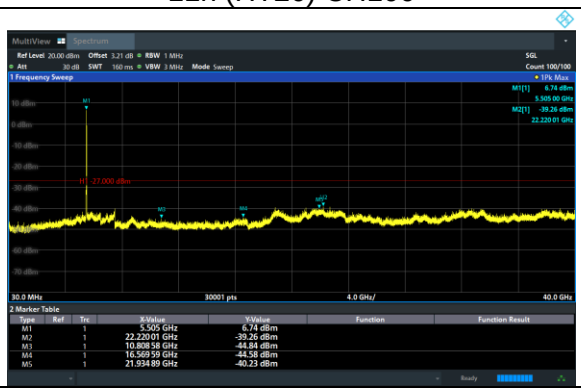
	
11ax (HE40) CH54	**11ax (HE40) CH62**

U-NII-2C	
11a CH100	11a CH120
	
11a CH140	11n (HT20) CH100
	
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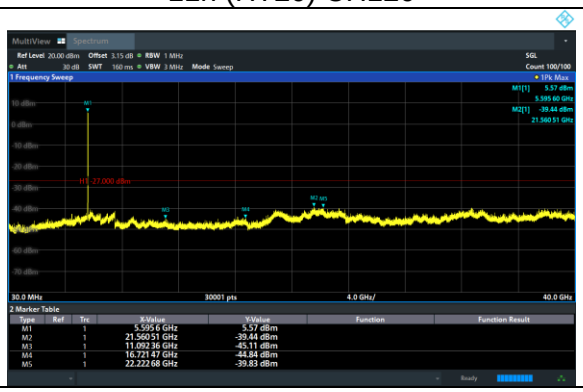
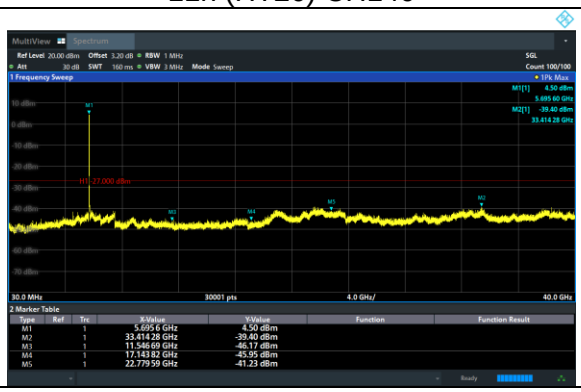
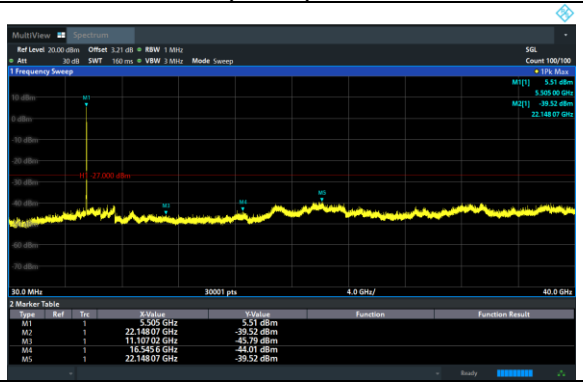
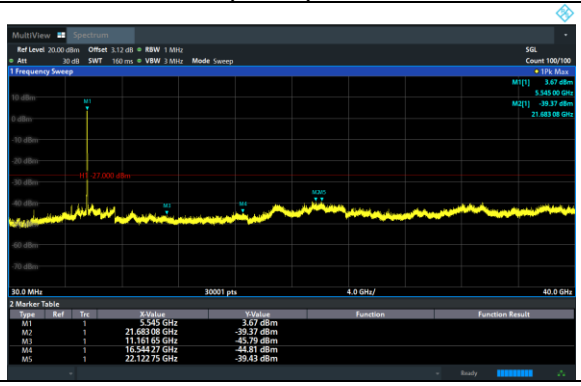
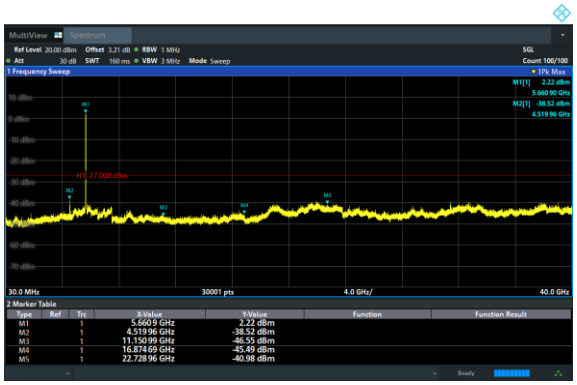
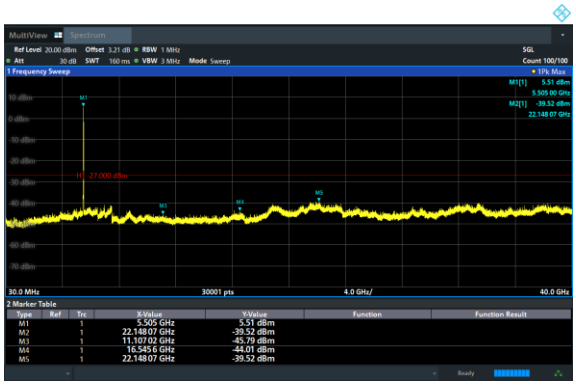
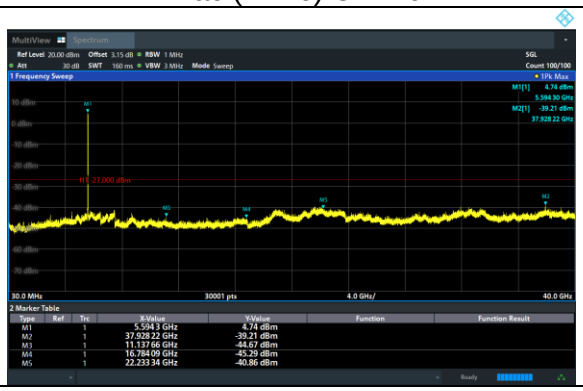
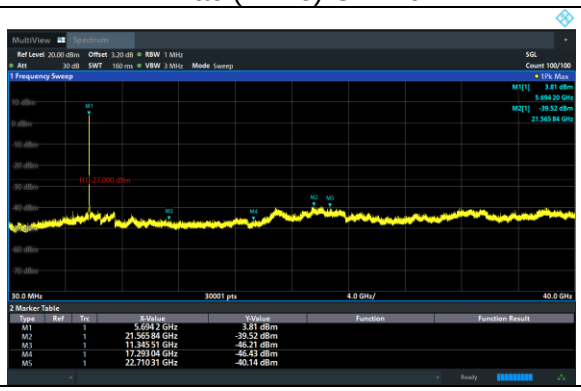
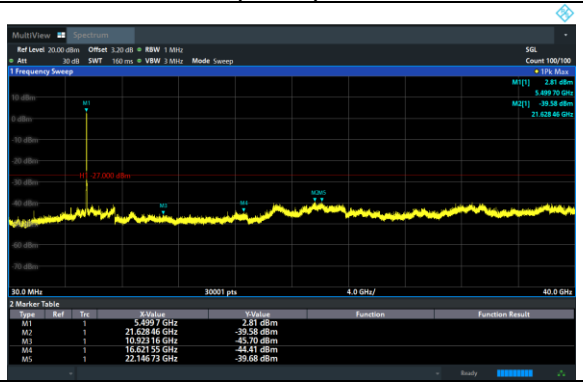
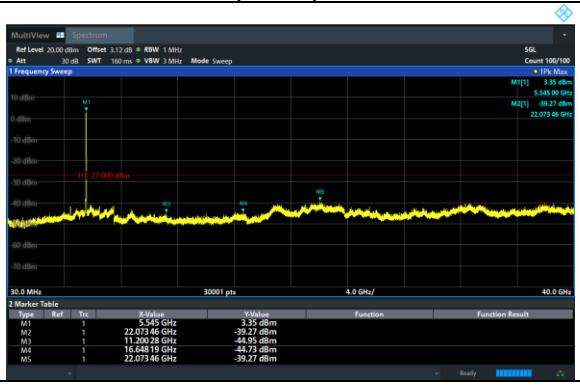
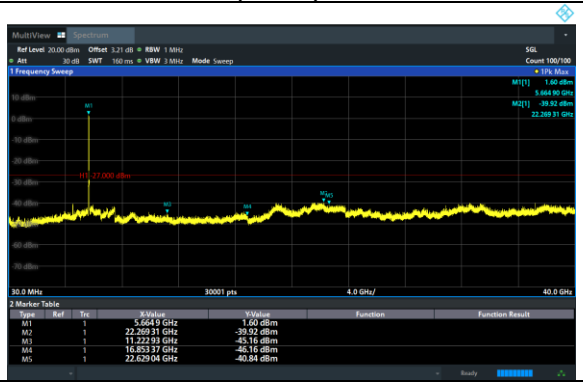
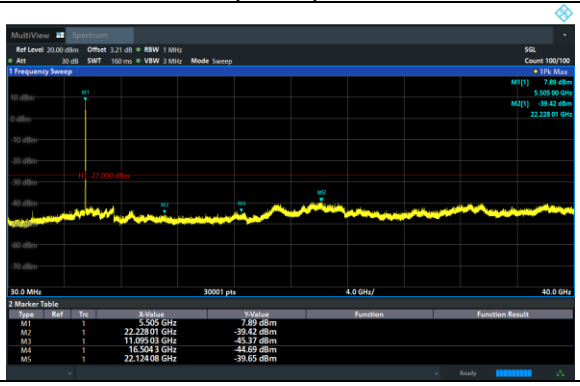
	

11n (HT40) CH102	11n (HT40) CH110
	
11n (HT40) CH134	**11ac (HT20) CH100**
	
11ac (HT20) CH120	**11ac (HT20) CH140**
	

11ac (HT40) CH102	11ac (HT40) CH110
	
11ac (HT40) CH134	**11ax (HE20) CH100**
	
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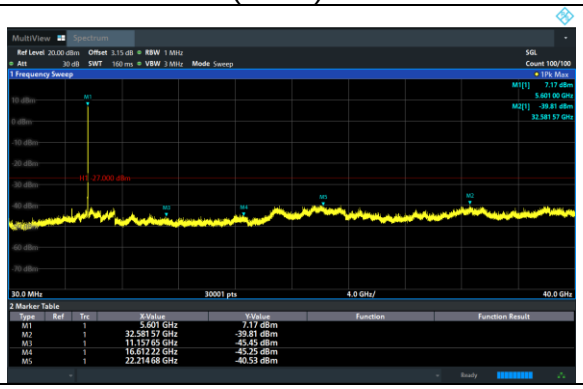
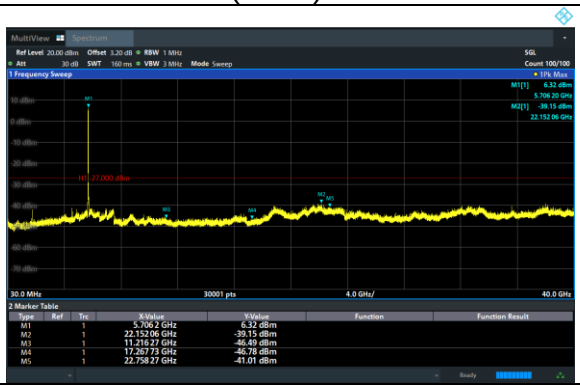
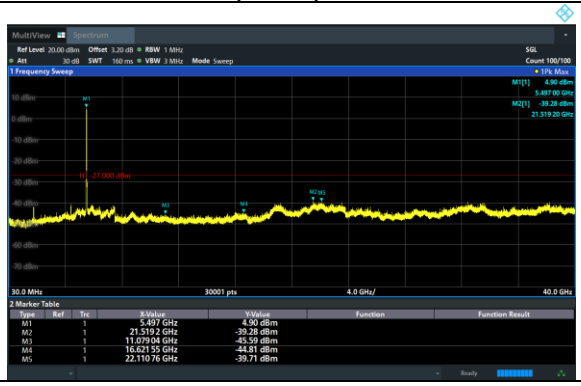
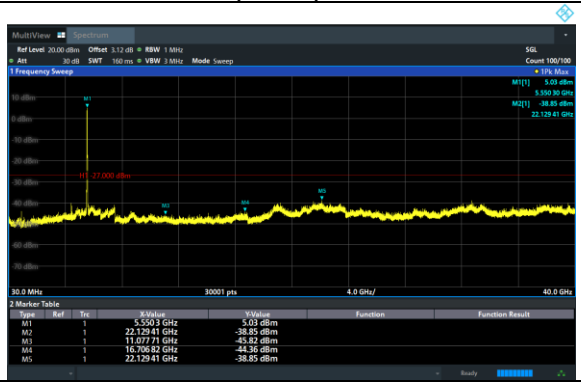
	

11ax (HE40) CH102	11ax (HE40) CH110
	
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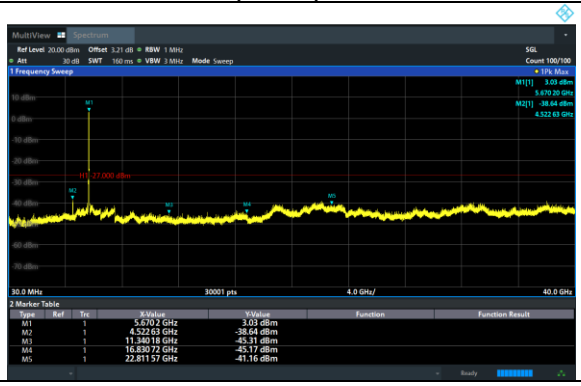	/