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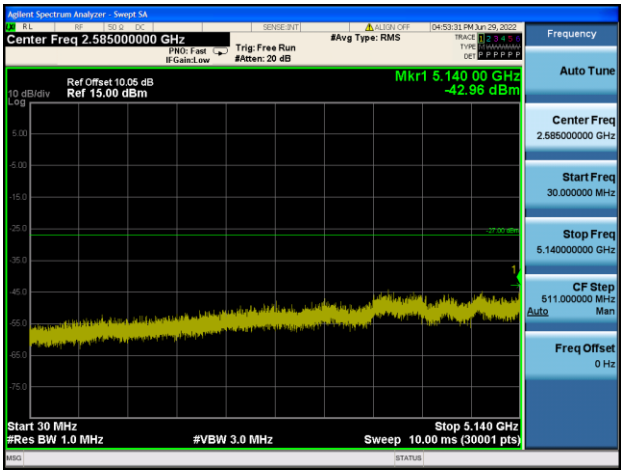	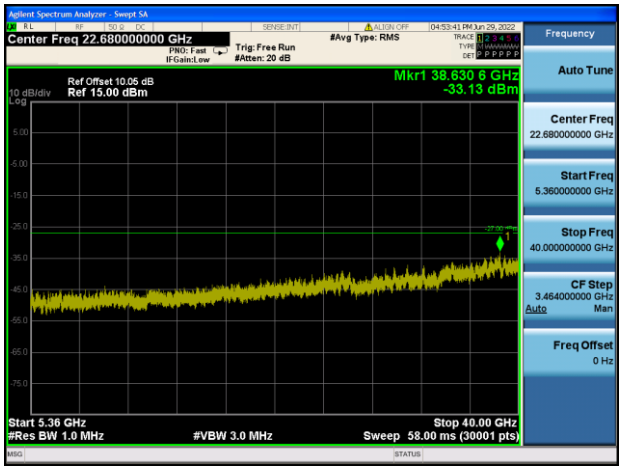
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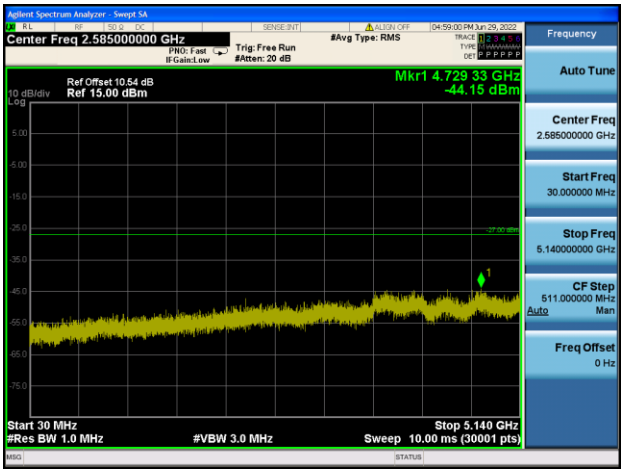	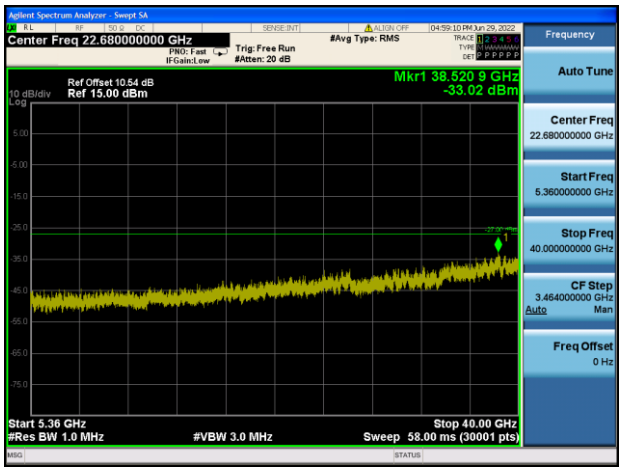

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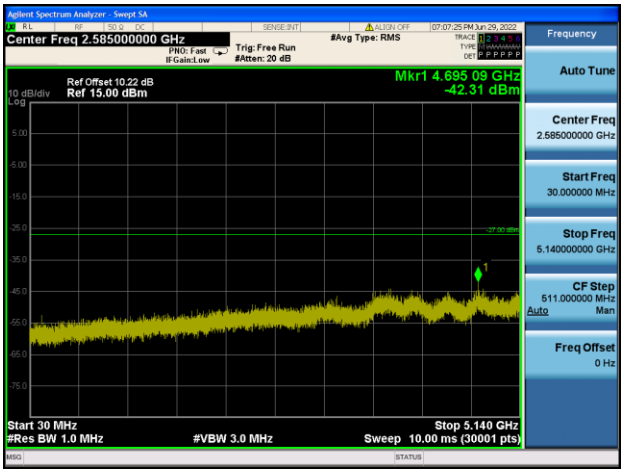	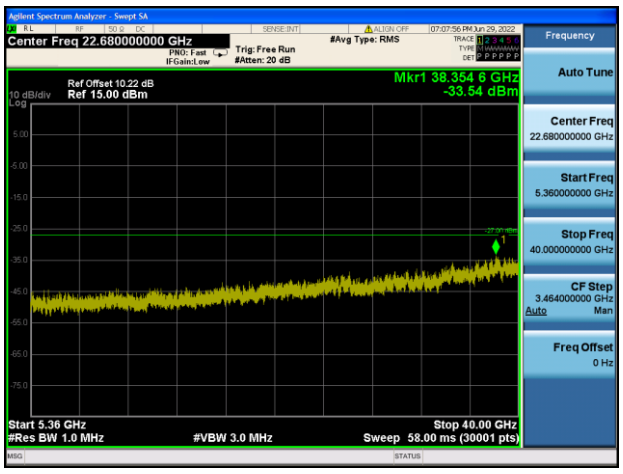
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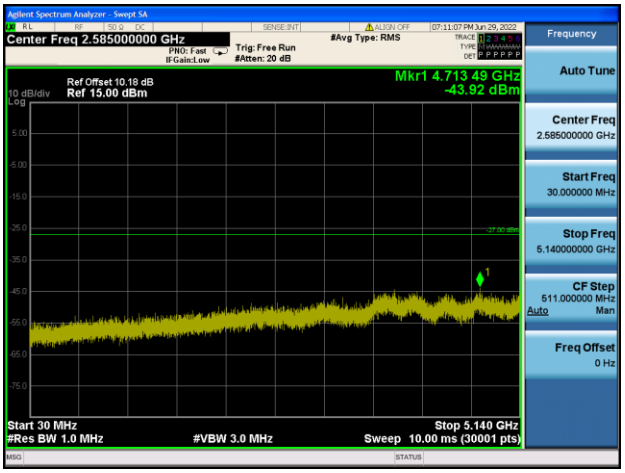	
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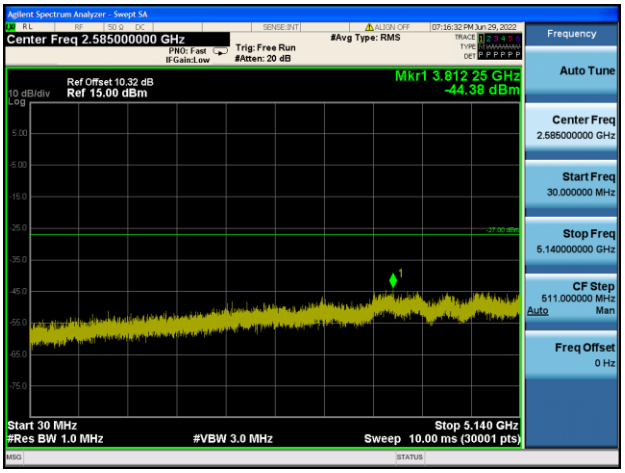	

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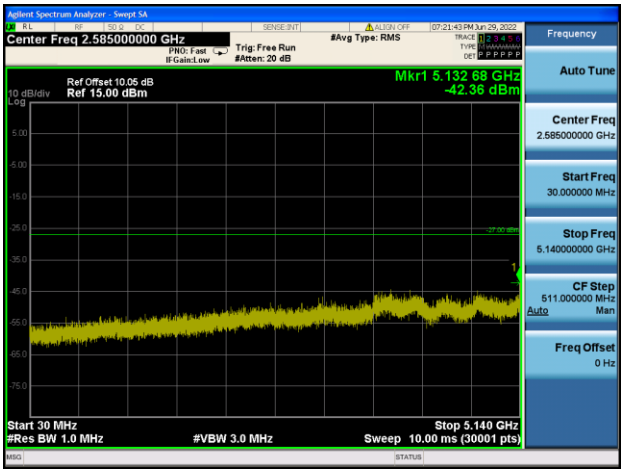	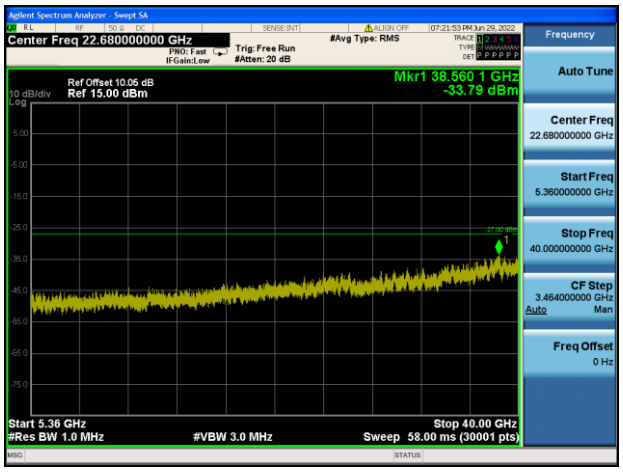
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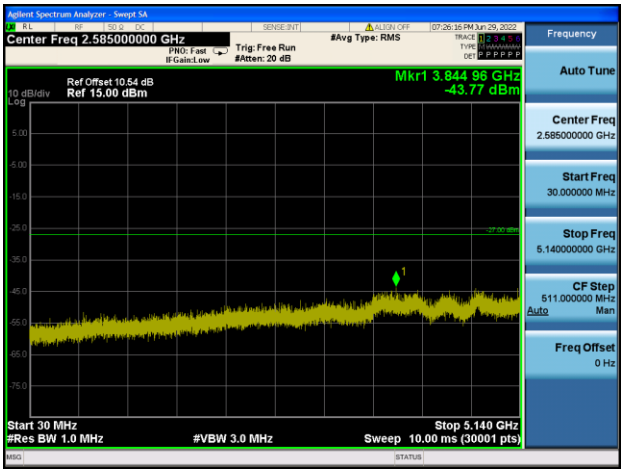	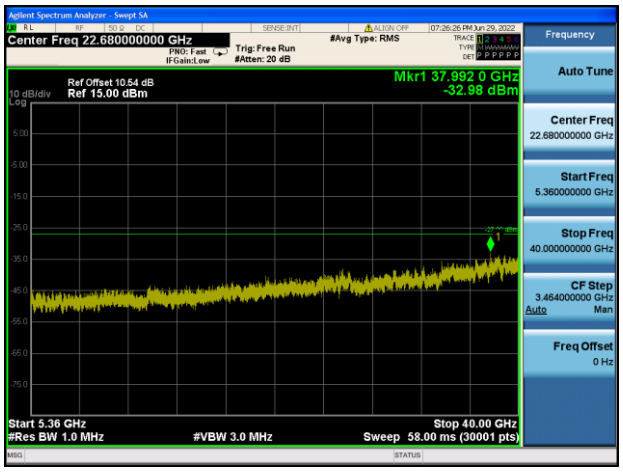

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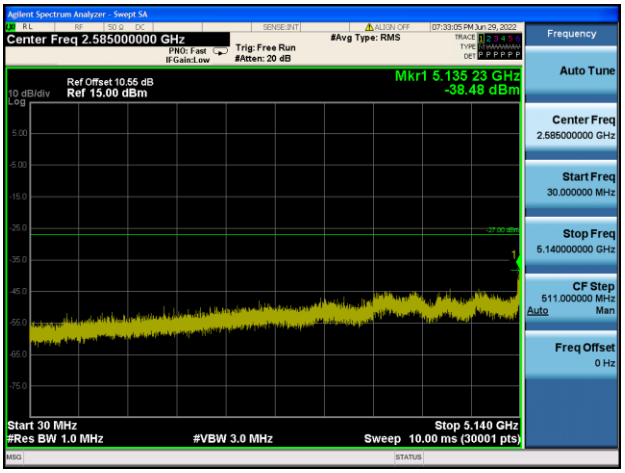	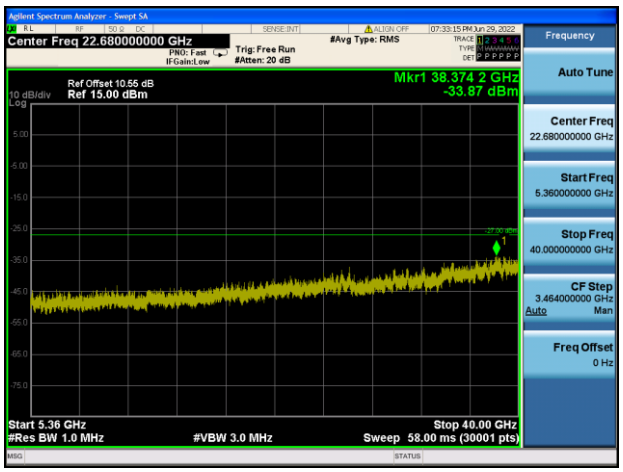

For U-NII-3

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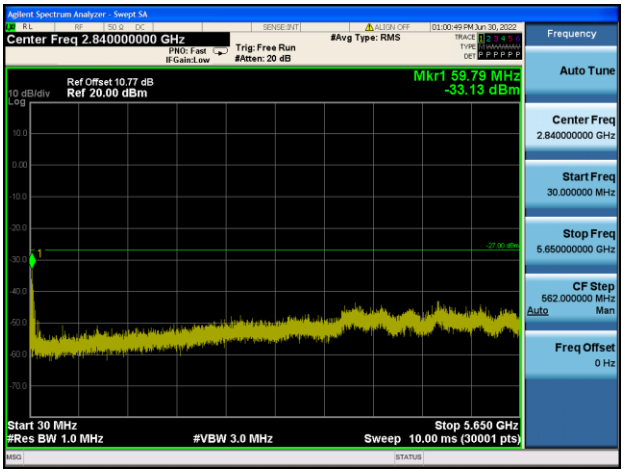
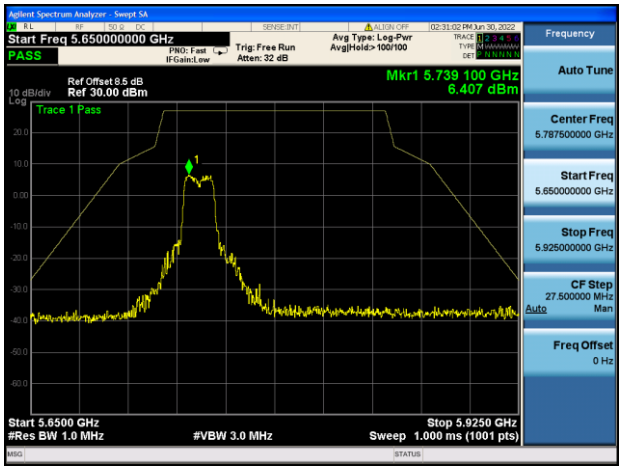
<tr><td> 
</td><td> 
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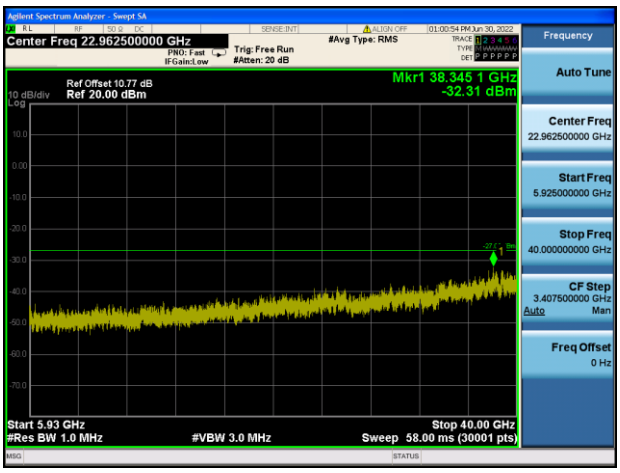
<tr><td> 
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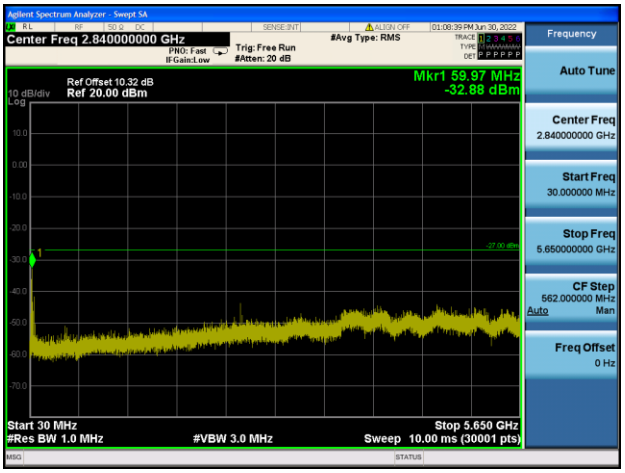
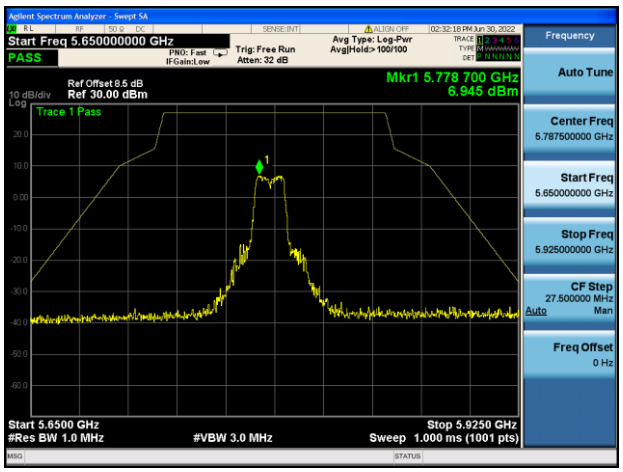
<tr><td> 
</td><td> 
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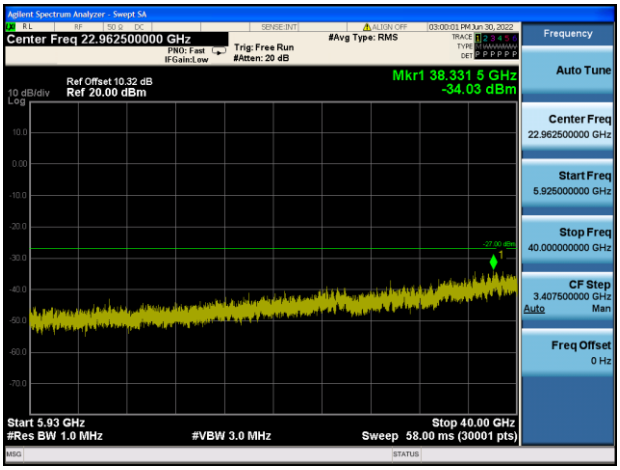	/
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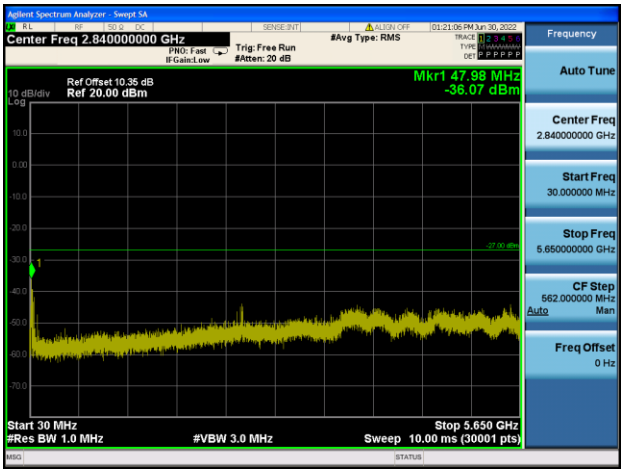	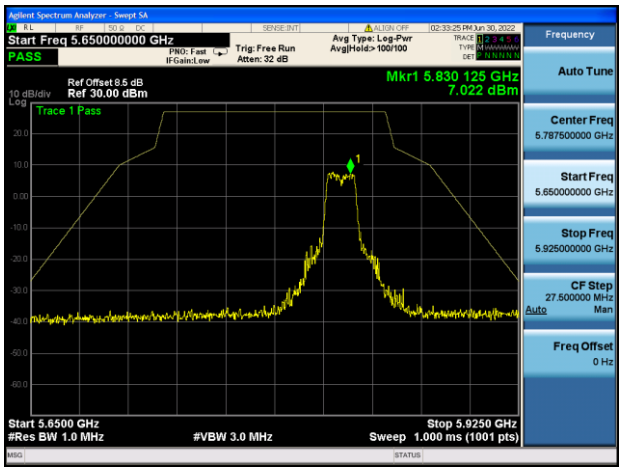
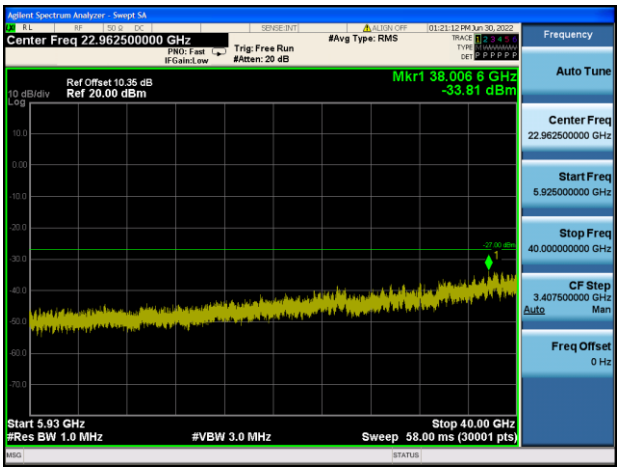	/

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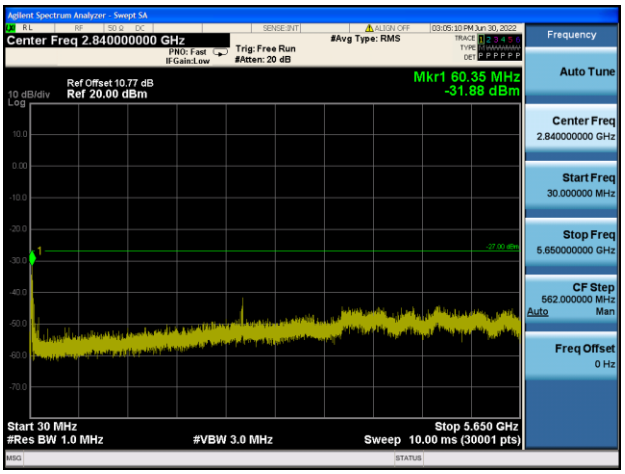	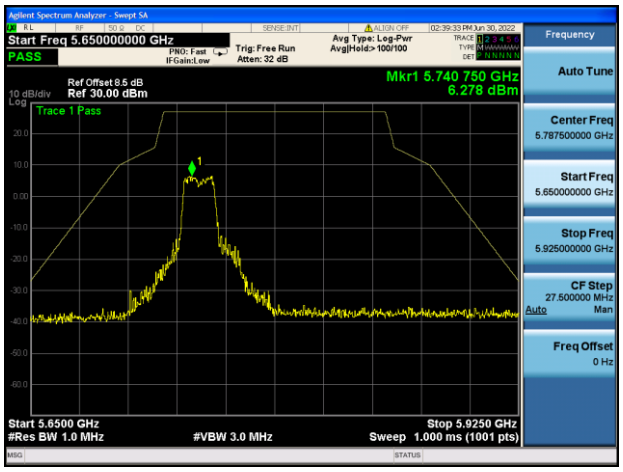
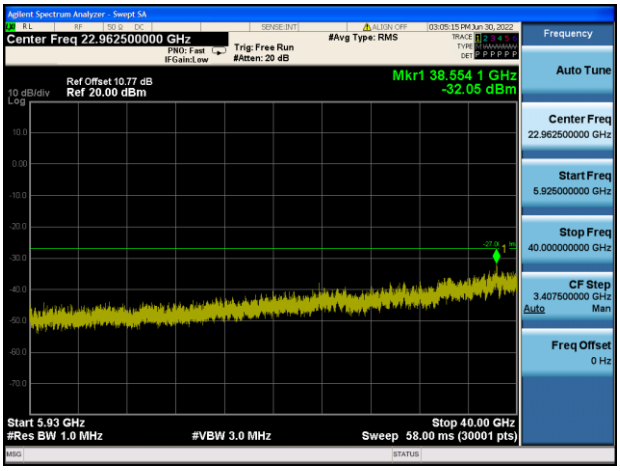	/
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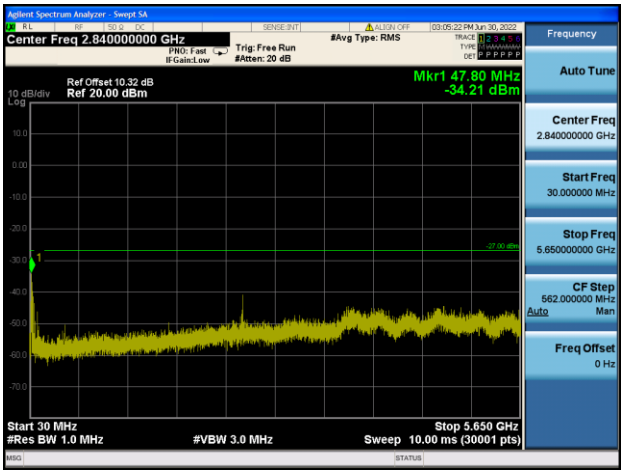	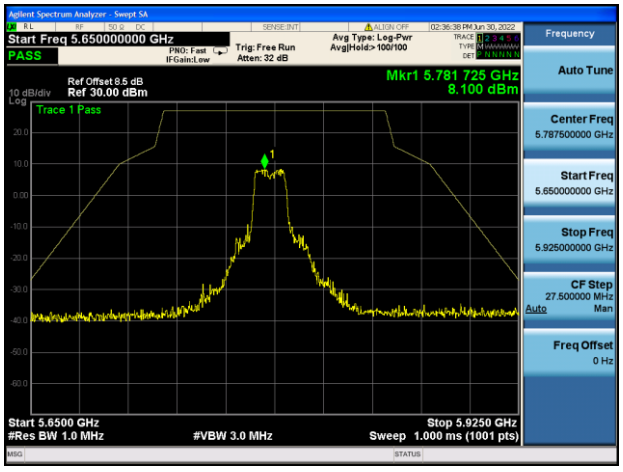

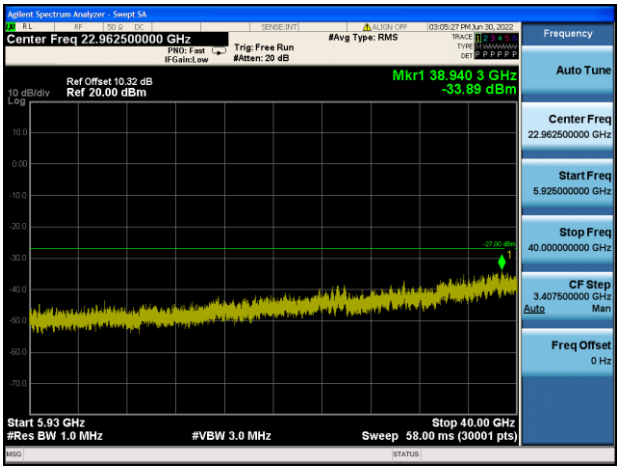	/
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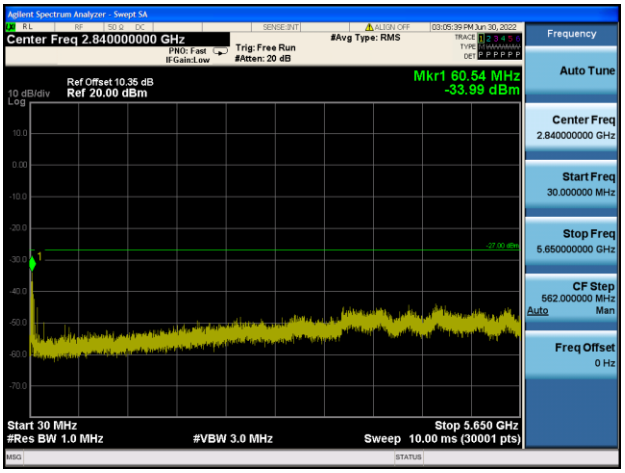	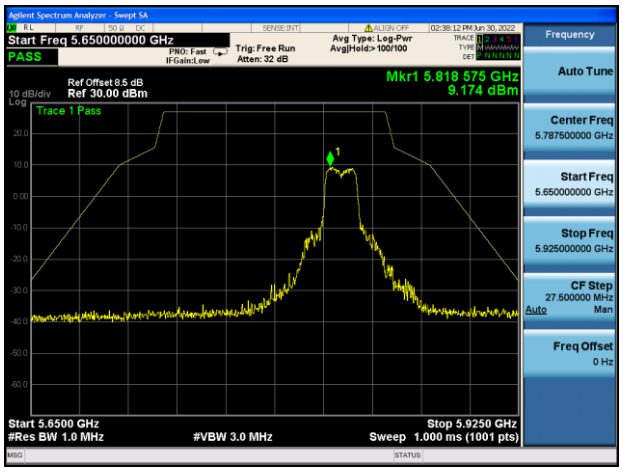
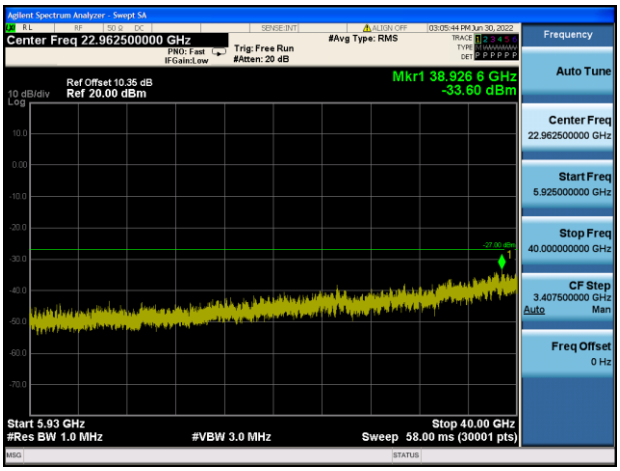	/

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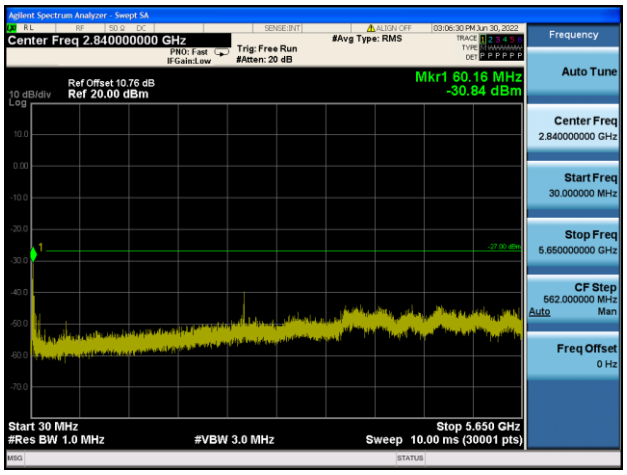	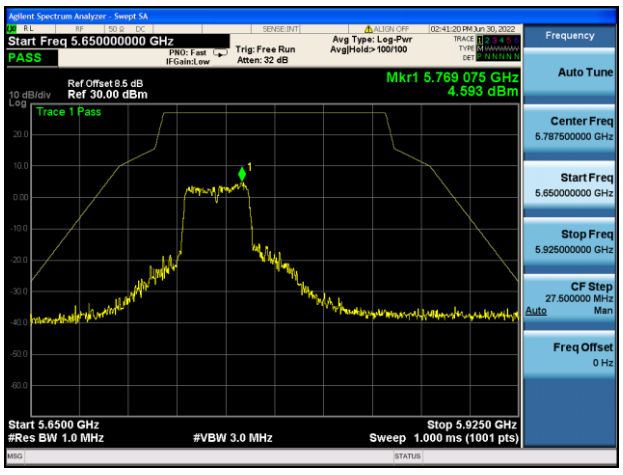
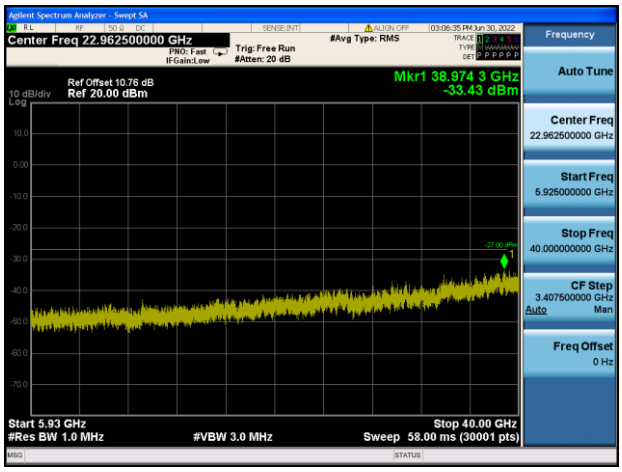	/
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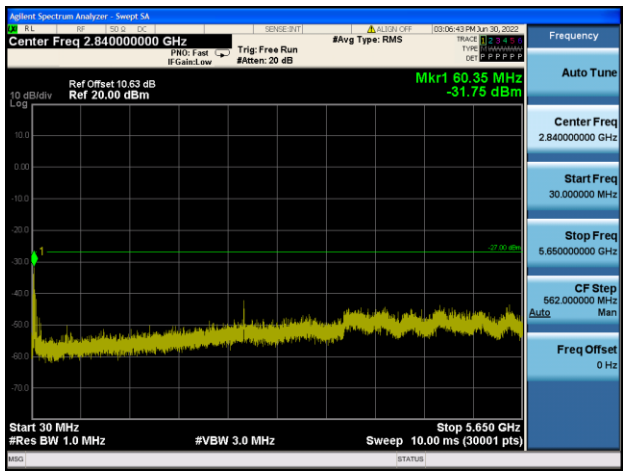	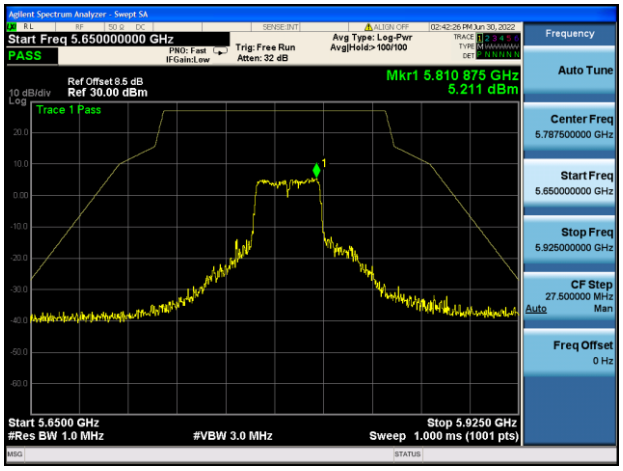

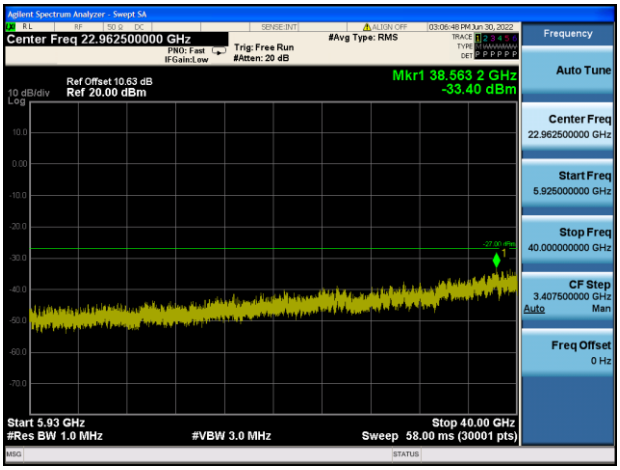	/

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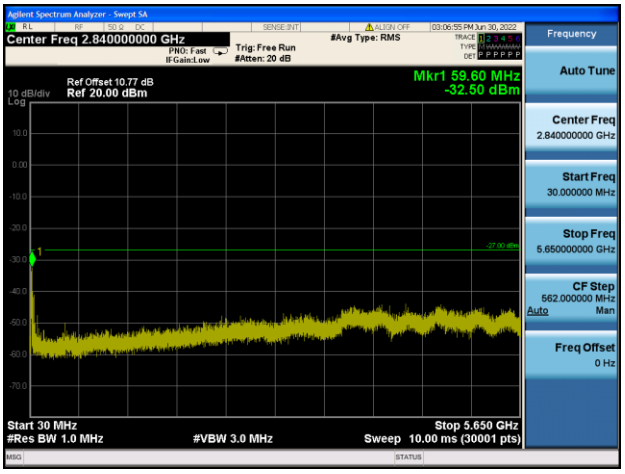	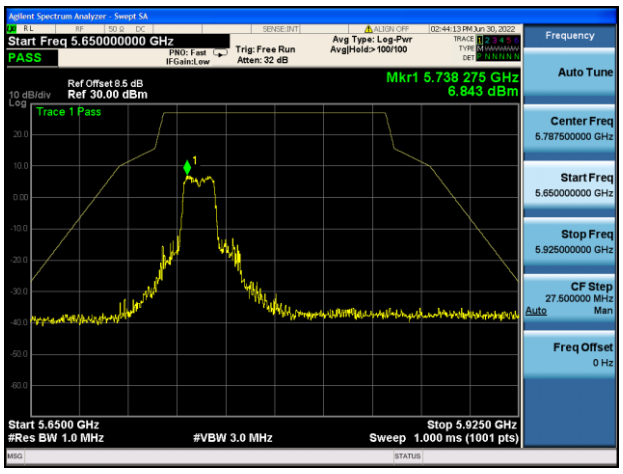
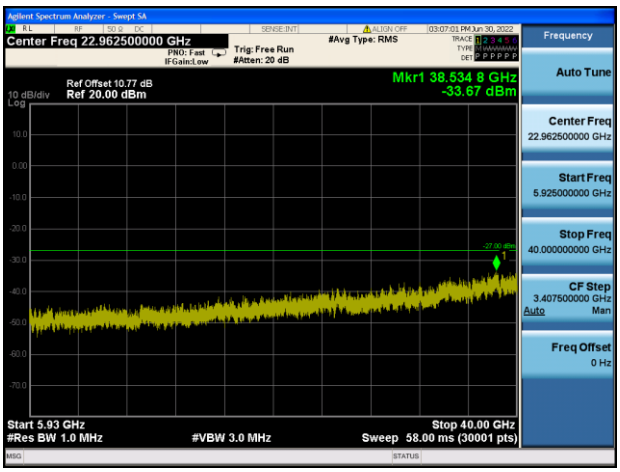	/

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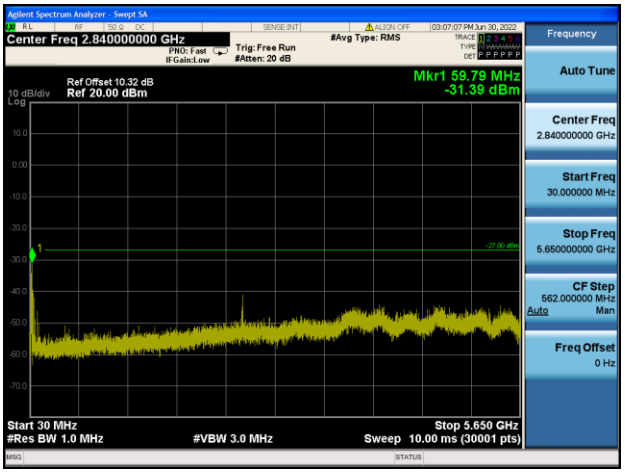	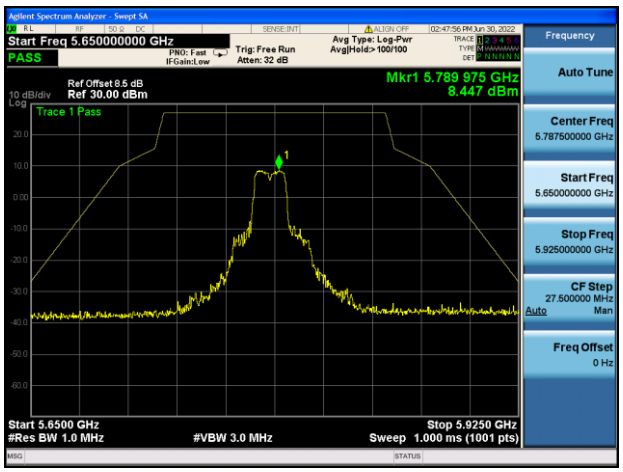
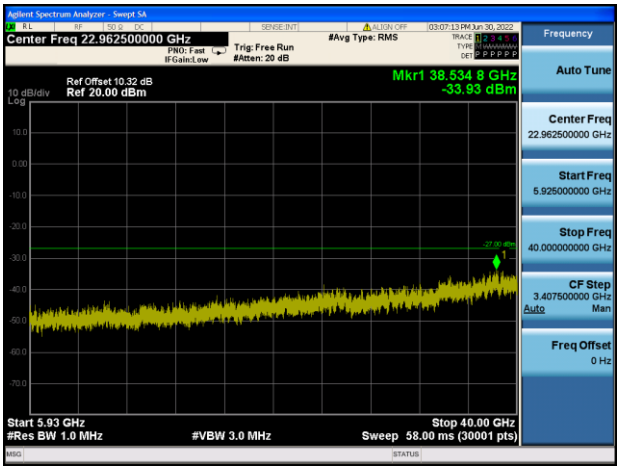	/
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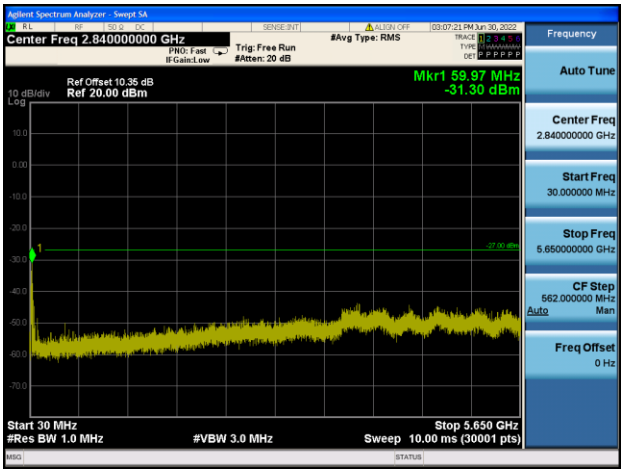	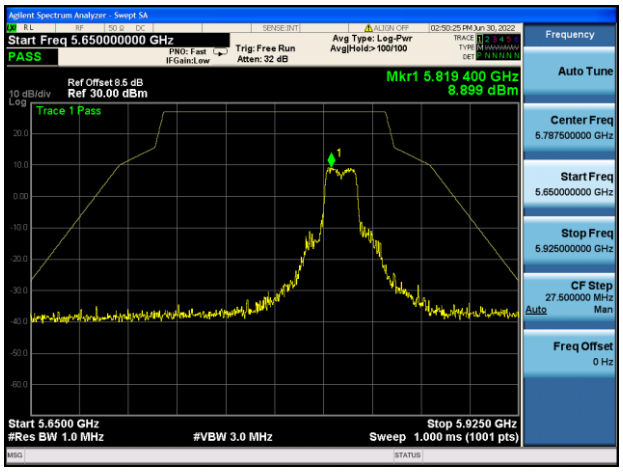

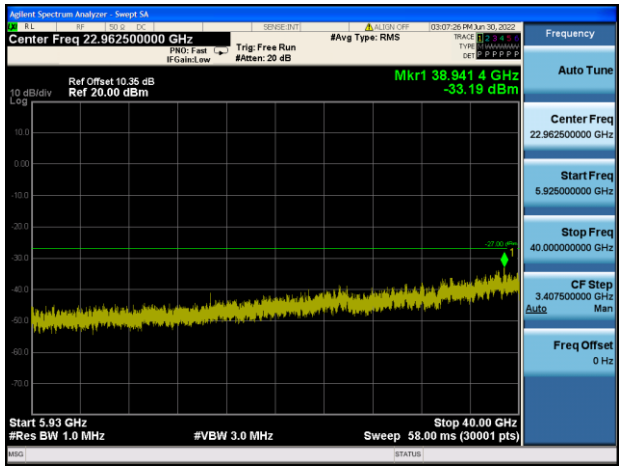	/

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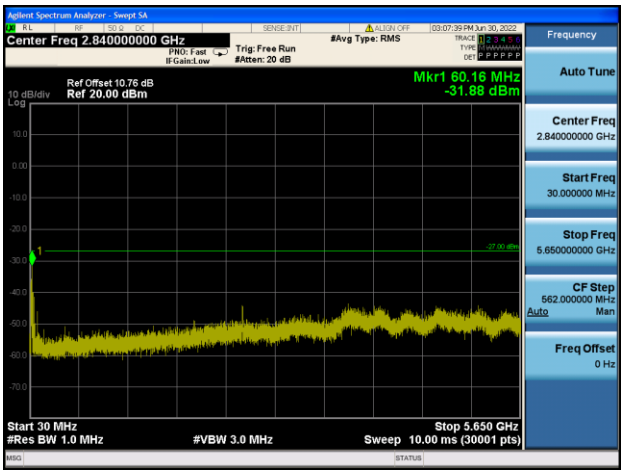	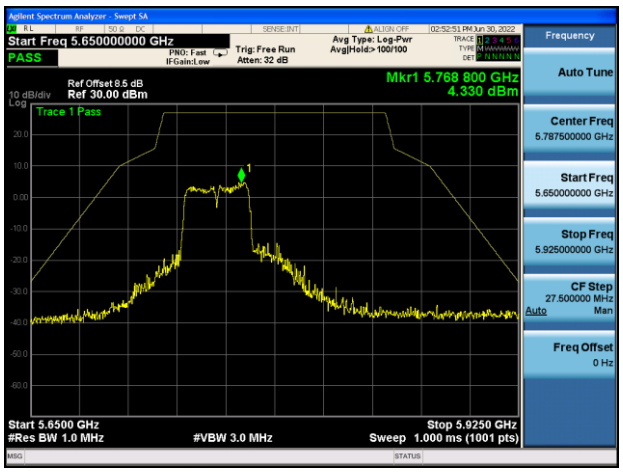
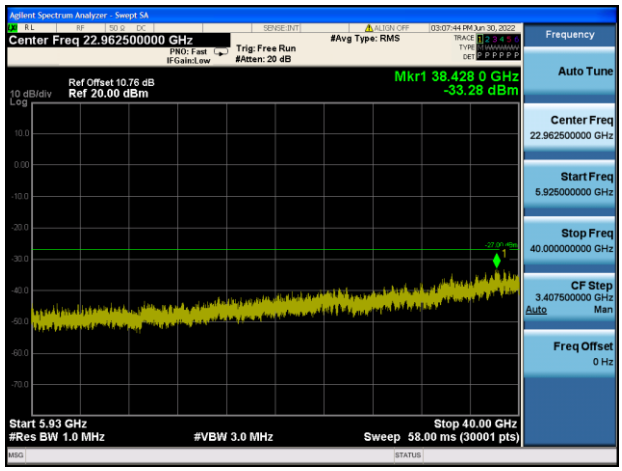	/

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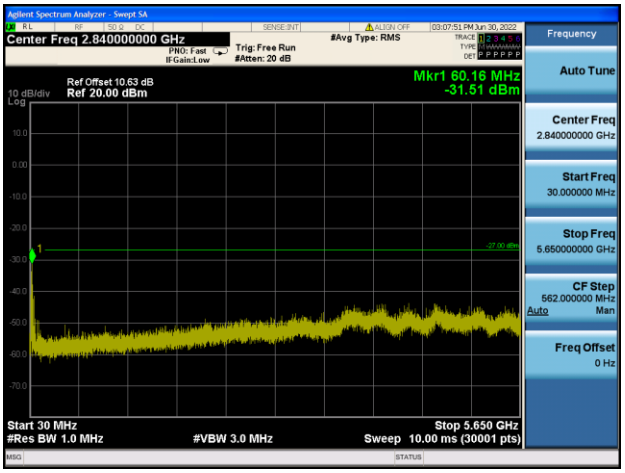	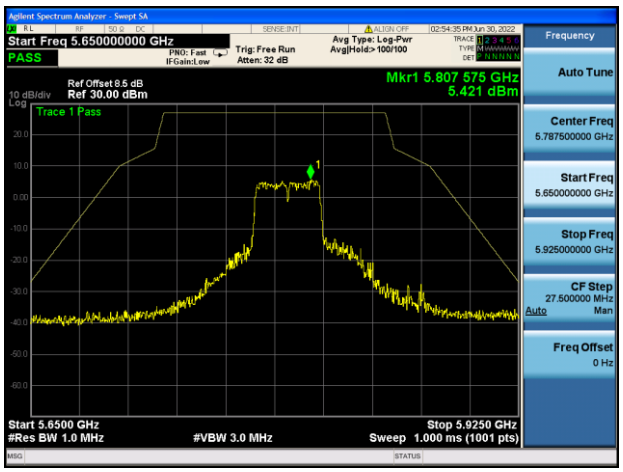
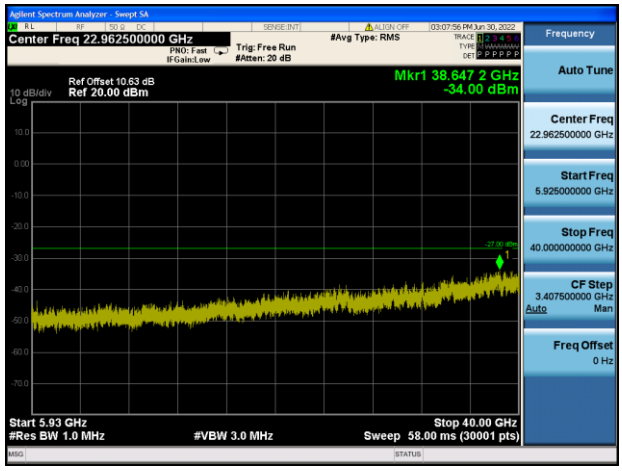	/

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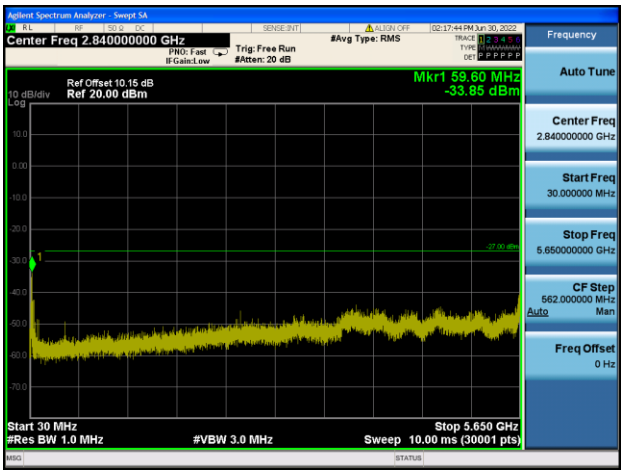
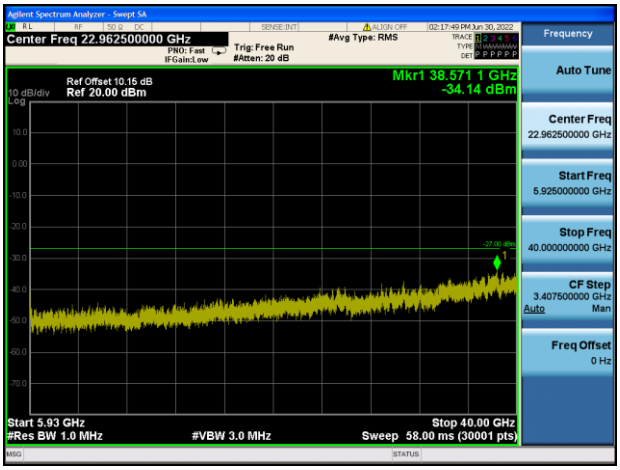
Low channel	Low channel
	

 Agilent Spectrum Analyzer - Swept SA Center Freq 22.962500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB #Avg Type: RMS 02:17:49 PM Jun 30, 2022 Ref Offset 10.16 dB 10 dB/div Ref 20.00 dBm Log Mkr1 38.571 1 GHz -34.14 dBm Start 5.93 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 40.00 GHz Sweep 58.00 ms (30001 pts) Frequency Auto Tune Center Freq 22.962500000 GHz Start Freq 5.925000000 GHz Stop Freq 40.000000000 GHz CF Step 3.407500000 GHz Auto Man Freq Offset 0 Hz	/

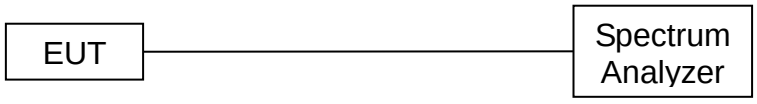
5.8 Conducted Band edge emission

5.8.1 Limits

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:

Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	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.

5.8.2 Test setup



5.8.3 Test procedure

a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

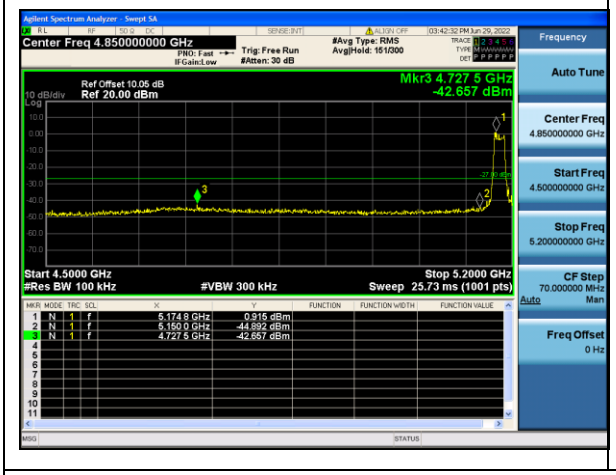
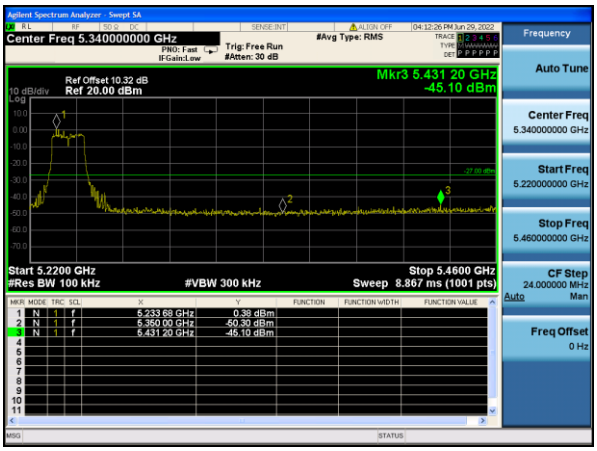
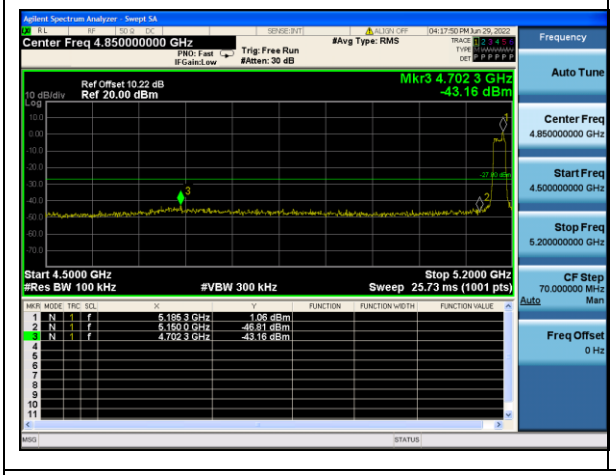
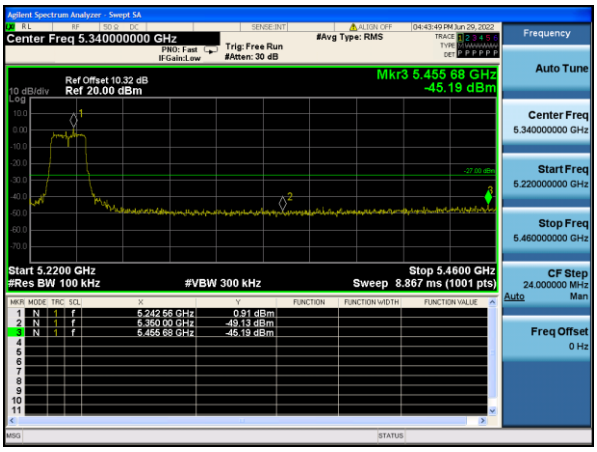
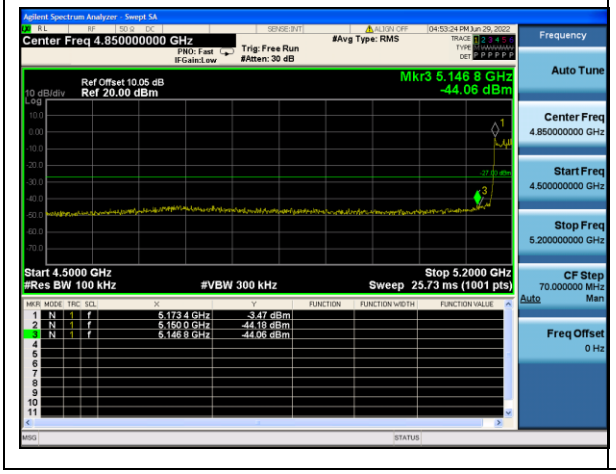
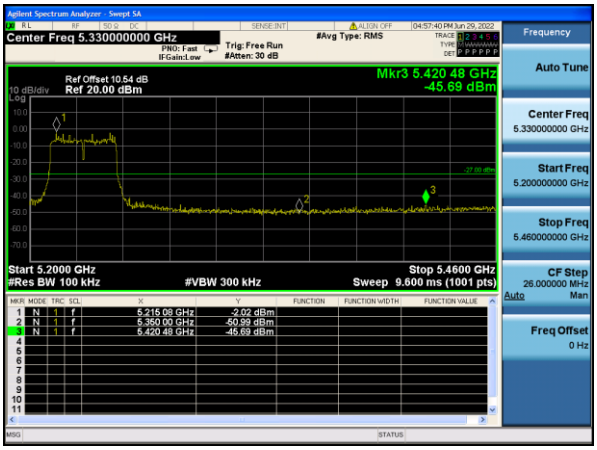
b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

e) Repeat above procedures until all measured frequencies were complete.

5.8.4 Test results

11a	
Band edge-Left	Band edge-Right
	
11n20	
Band edge-Left	Band edge-Right
	
11n40	
Band edge-Left	Band edge-Right