Audix Technology Corp.
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Tel: +886 2 26099301
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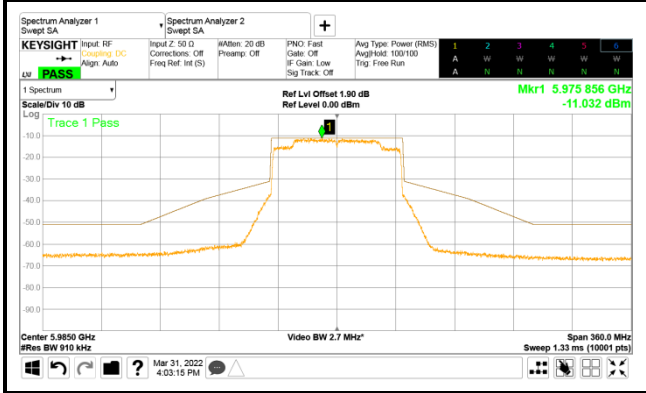
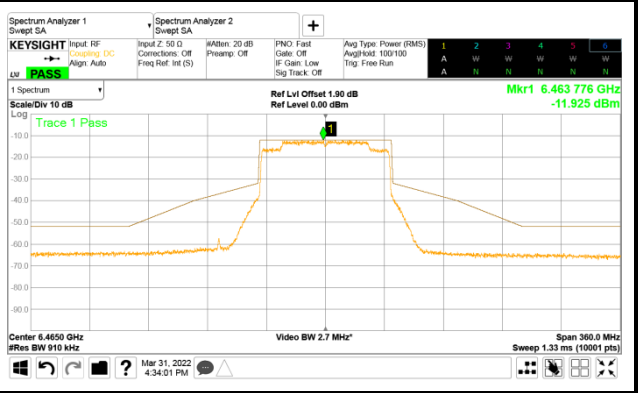
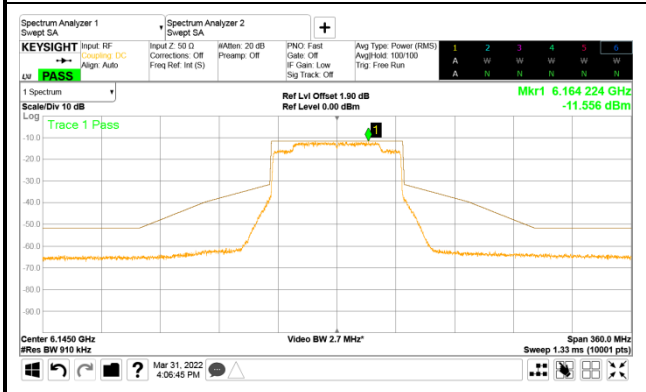
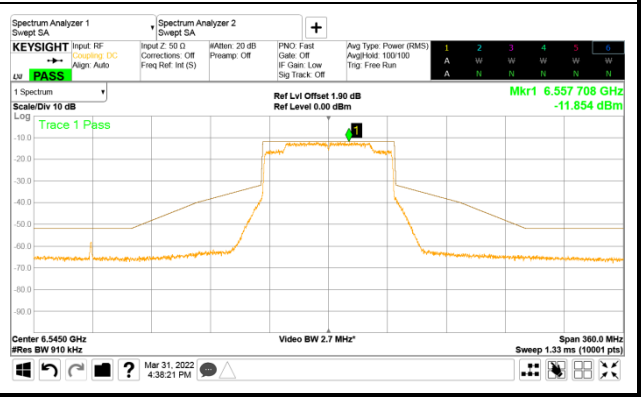
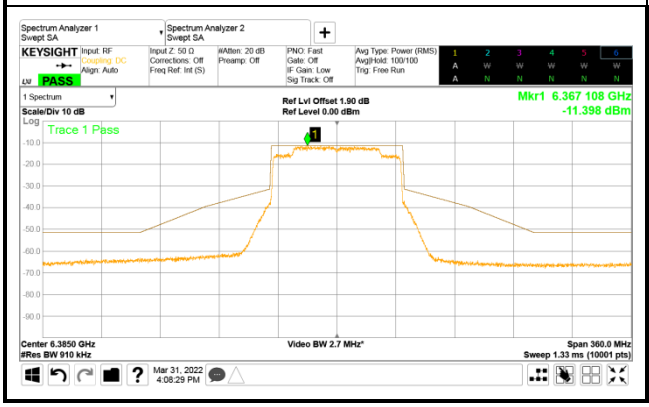
ANT B (Main) Port	
Mode: 802.11ax-HE80	
U-NII Band 5	U-NII Band 6
	
	
	

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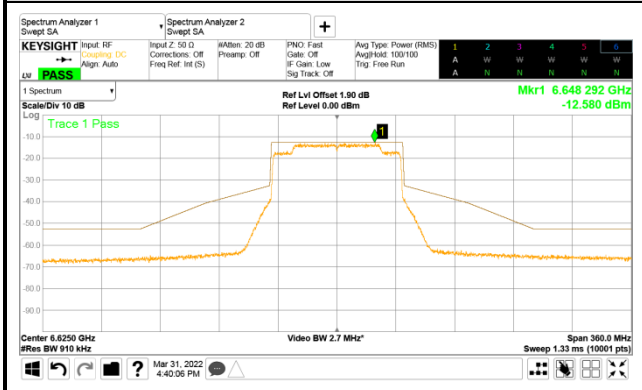
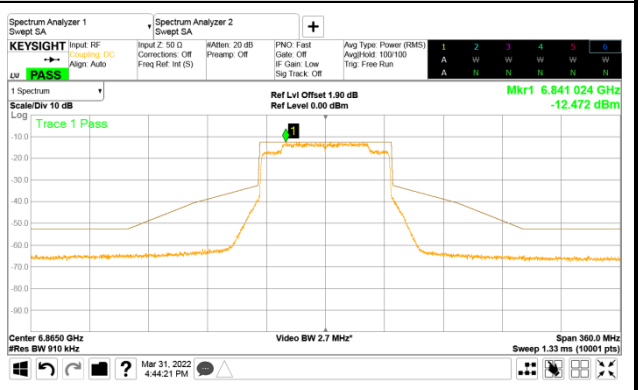
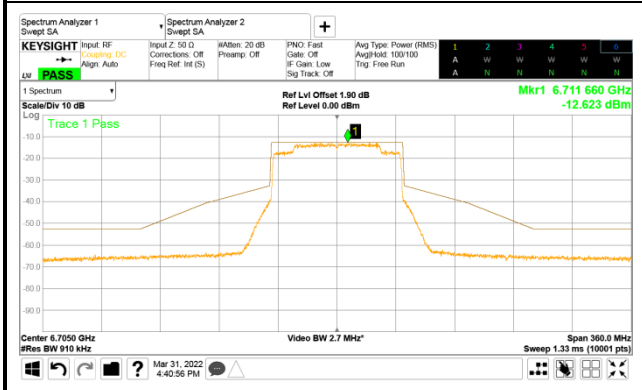
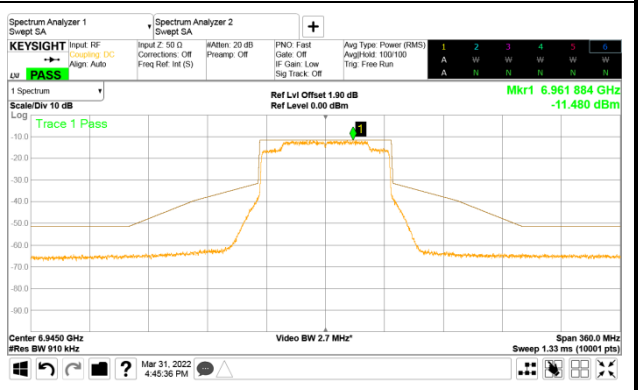
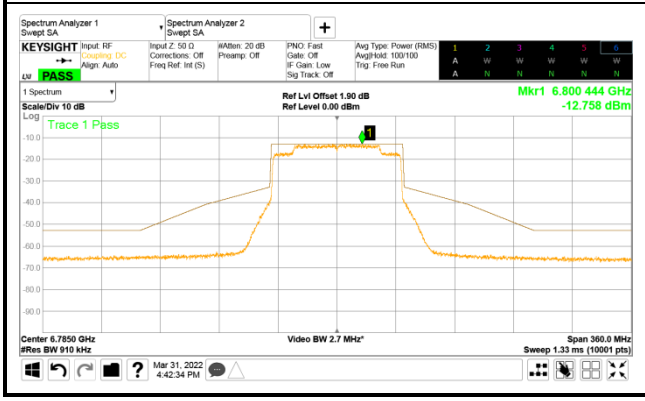
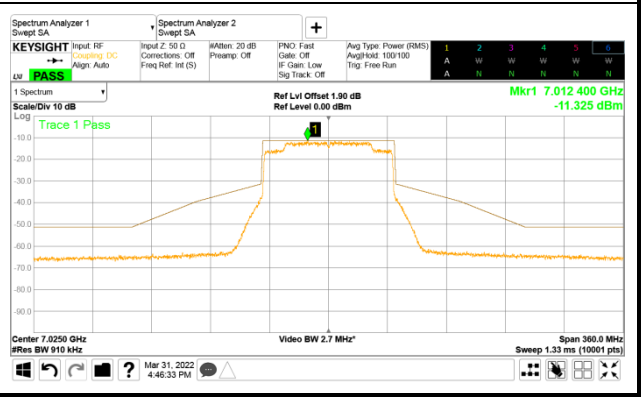
ANT B (Main) Port	
Mode: 802.11ax-HE80	
U-NII Band 7	U-NII Band 8
	
	
	

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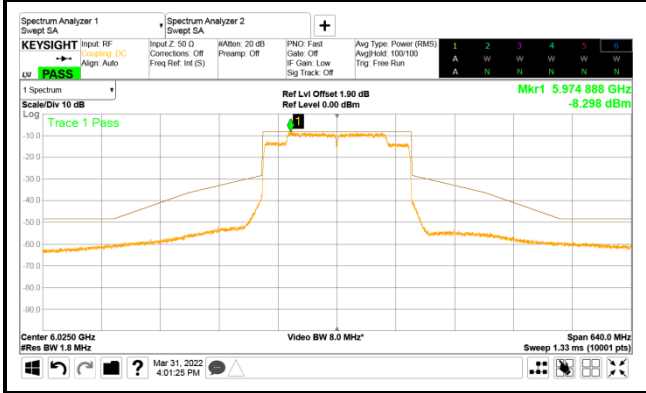
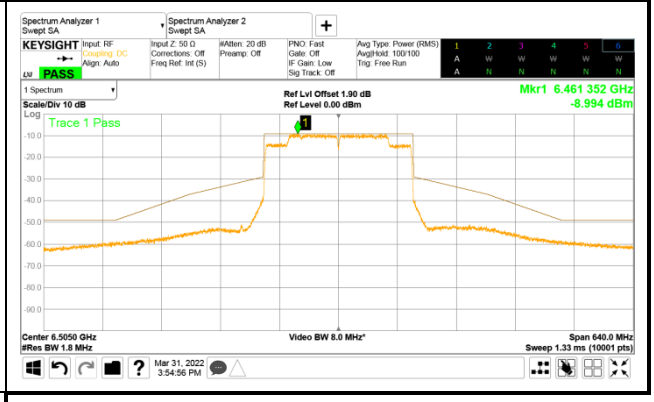
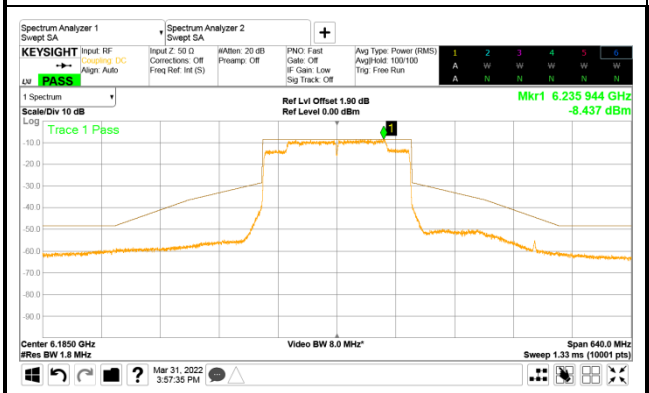
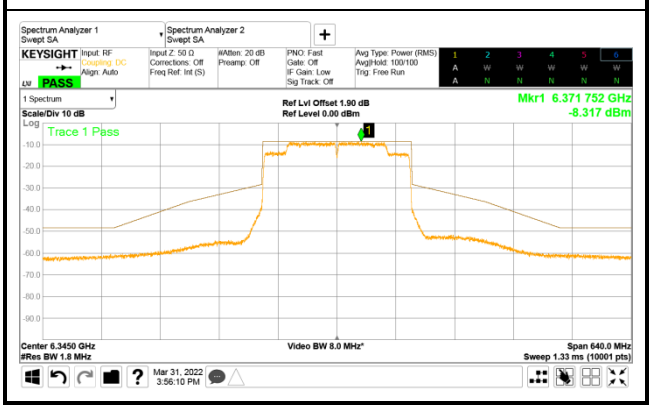
ANT B (Main) Port	
Mode: 802.11ax-HE160	
U-NII Band 5	U-NII Band 6









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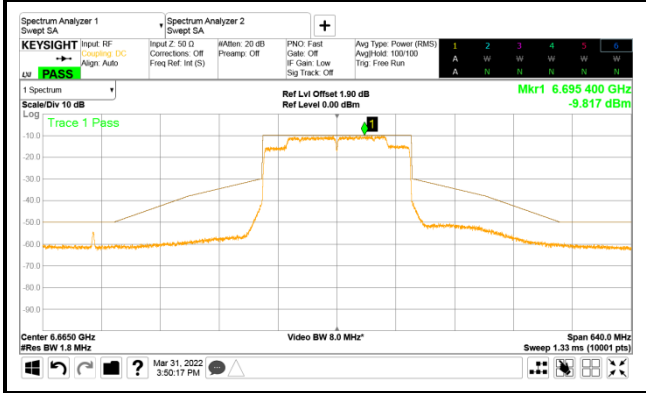
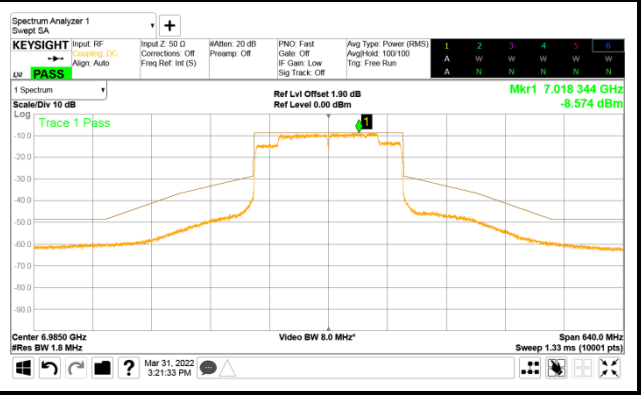
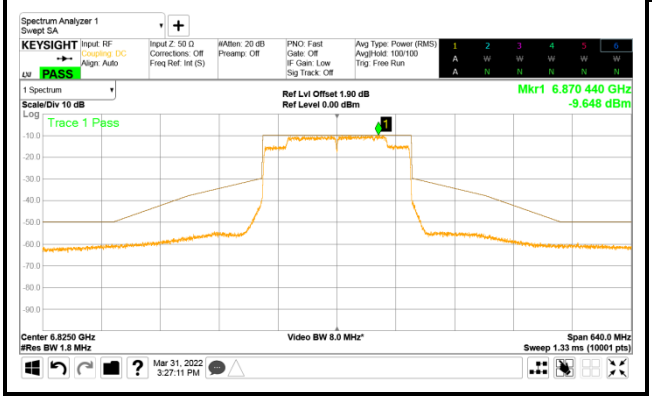
ANT B (Main) Port	
Mode: 802.11ax-HE160	
U-NII Band 7	U-NII Band 8
	
	

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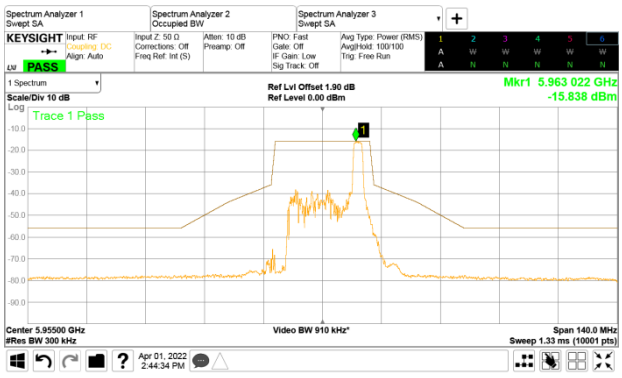
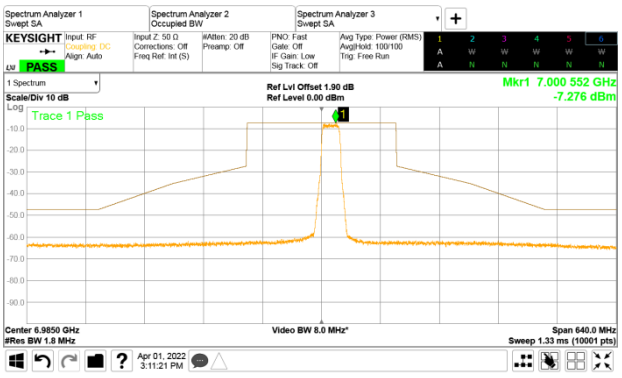
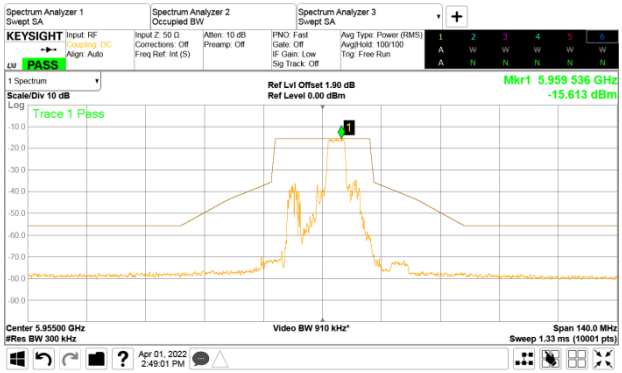
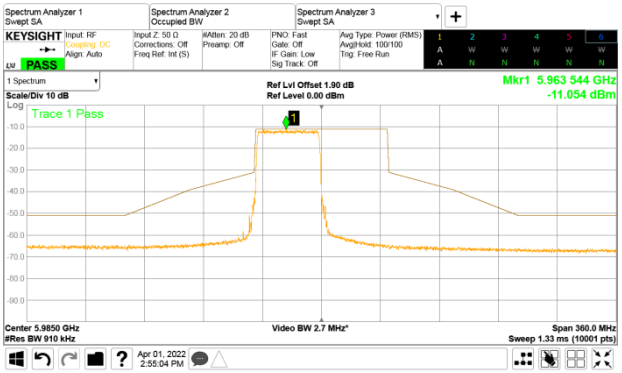
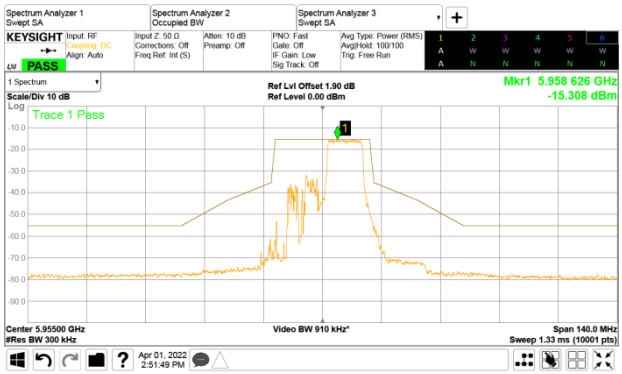
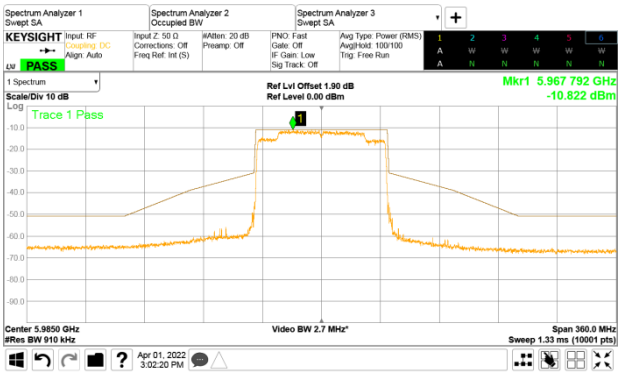
- OFDMA Modulation

ANT A (AUX) Port	
Tones: 26T	Tones: 242T
802.11ax-HE20, RU Index: 8	802.11ax-HE160, RU Index: S61
Centre Frequency: 5955MHz	Centre Frequency: 6985MHz
	
Tones: 52T	Tones: 484T
802.11ax-HE20, RU Index: 39	802.11ax-HE80, RU Index: 65
Centre Frequency: 5955MHz	Centre Frequency: 5985MHz
	
Tones: 106T	Tones: 996T
802.11ax-HE20, RU Index: 54	802.11ax-HE80, RU Index: 67
Centre Frequency: 5955MHz	Centre Frequency: 5985MHz
	

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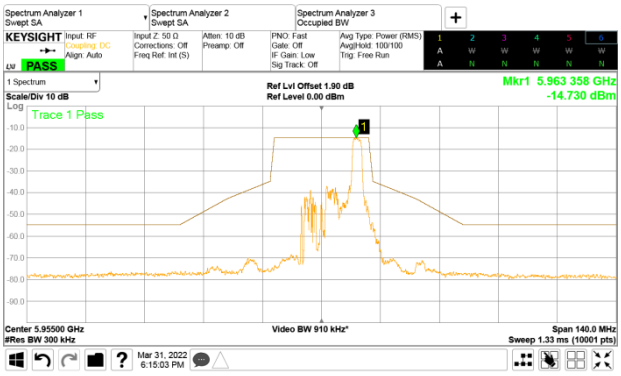
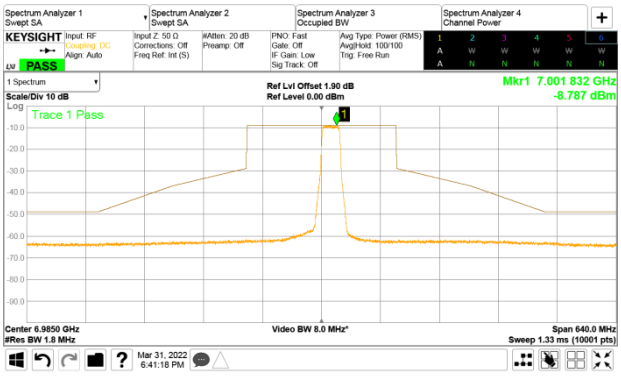
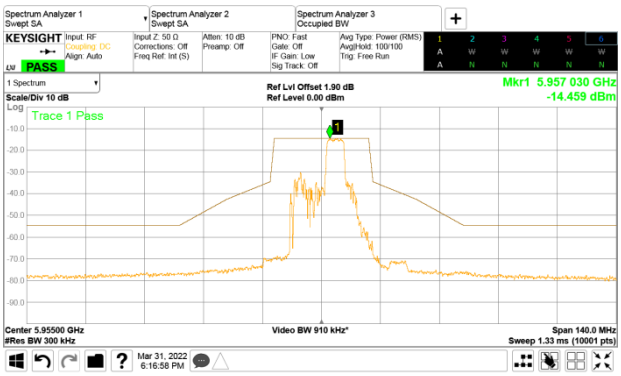
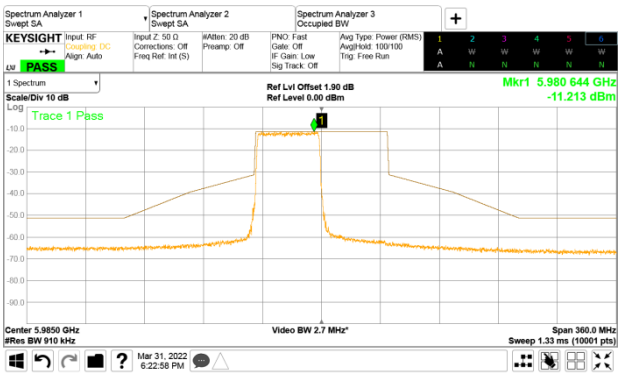
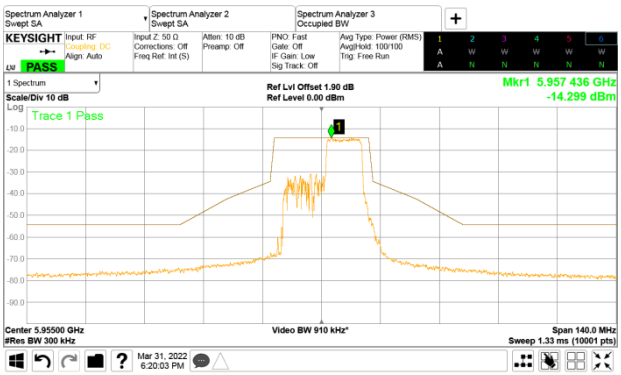
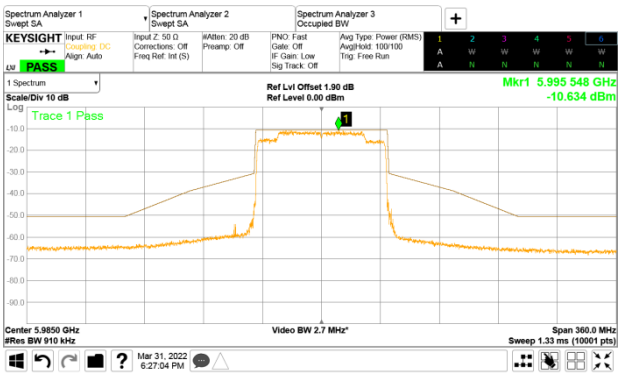
ANT B (Main) Port	
Tones: 26T	Tones: 242T
802.11ax-HE20, RU Index: 8	802.11ax-HE160, RU Index: S61
Centre Frequency: 5955MHz	Centre Frequency: 6985MHz
	
Tones: 52T	Tones: 484T
802.11ax-HE20, RU Index: 39	802.11ax-HE80, RU Index: 65
Centre Frequency: 5955MHz	Centre Frequency: 5985MHz
	
Tones: 106T	Tones: 996T
802.11ax-HE20, RU Index: 54	802.11ax-HE80, RU Index: 67
Centre Frequency: 5955MHz	Centre Frequency: 5985MHz
	

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A.8 CONTENTION BASED PROTOCOL

Test Date	2022/02/22 ~ 23	Temp./Hum.	17℃/70 ~ 72%
Cable Loss	N/A	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Contention-based Protocol

- Contention-based Protocol Threshold Incumbent Signal & Detected Level

  The EUT has support two antennas (INPQ and LUXSHARE-ICT), we select the smallest antenna gain to measure.

Mode	U-NII Band	Centre Frequency (MHz)	Incumbent Frequency (MHz)	Detected Level (dBm)	Threshold Incumbent Signal (dBm)
802.11ax-HE20	5	6135	6135	-70.4	-62.0
	6	6455	6455	-72.7	-62.0
	7	6695	6695	-76.2	-62.0
	8	7015	7015	-70.0	-62.0
802.11ax-HE160	5	6185	6110	-71.9	-62.0
			6185	-72.4	-62.0
			6260	-72.4	-62.0
	6	6505	6430	-78.7	-62.0
			6505	-67.7	-62.0
			6580	-75.2	-62.0
	7	6665	6590	-74.2	-62.0
			6665	-70.7	-62.0
			6740	-73.2	-62.0
	8	6985	6910	-73.5	-62.0
			6985	-68.5	-62.0
			7060	-76.0	-62.0

Note: Threshold incumbent signal is referenced to a 0 dBi antenna gain .

Detected level is EUT detect incumbent signal with minimum level.

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- Summary table

Mode	U-NII Band	Centre Frequency (MHz)	Incumbent Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Possibility (%)	Limit (%)
802.11ax -HE20	5	6135	6135	1	1	1	1	1	1	1	1	1	1	100	90
	6	6455	6455	1	1	1	1	1	1	1	1	1	1	100	90
	7	6695	6695	1	1	1	1	1	1	1	1	1	1	100	90
	8	7015	7015	1	1	1	1	1	1	1	1	1	1	100	90
802.11ax -HE160	5	6185	6110	1	1	1	1	1	1	1	1	1	1	100	90
			6185	1	1	1	1	1	1	1	1	1	1	100	90
			6260	1	1	1	1	1	1	1	1	1	1	100	90
	6	6505	6430	1	1	1	1	1	1	1	1	1	1	100	90
			6505	1	1	1	1	1	1	1	1	1	1	100	90
			6580	1	1	1	1	1	1	1	1	1	1	100	90
	7	6665	6590	1	1	1	1	1	1	1	1	1	1	100	90
			6665	1	1	1	1	1	1	1	1	1	1	100	90
			6740	1	1	1	1	1	1	1	1	1	1	100	90
	8	6985	6910	1	1	1	1	1	1	1	1	1	1	100	90
			6985	1	1	1	1	1	1	1	1	1	1	100	90
			7060	1	1	1	1	1	1	1	1	1	1	100	90

Note: CBP Detection Trials (1= Detection, 0= No Detection)

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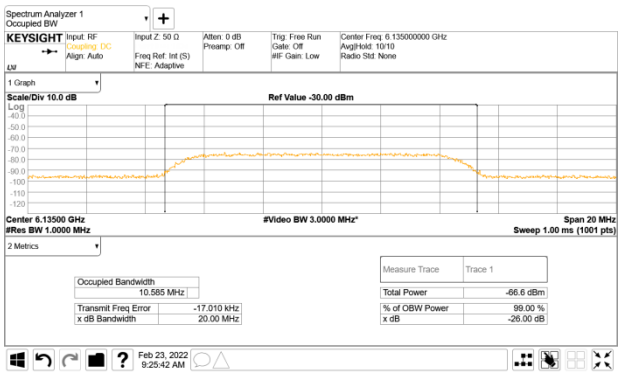
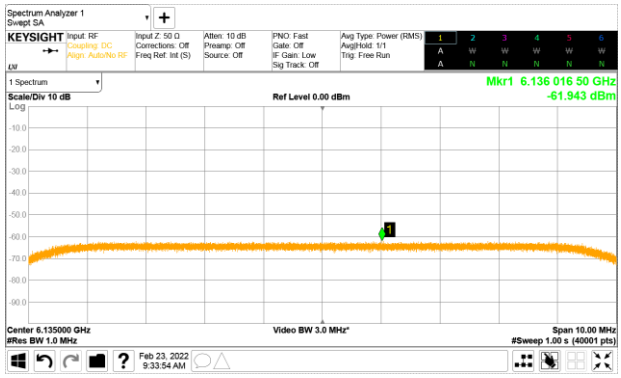
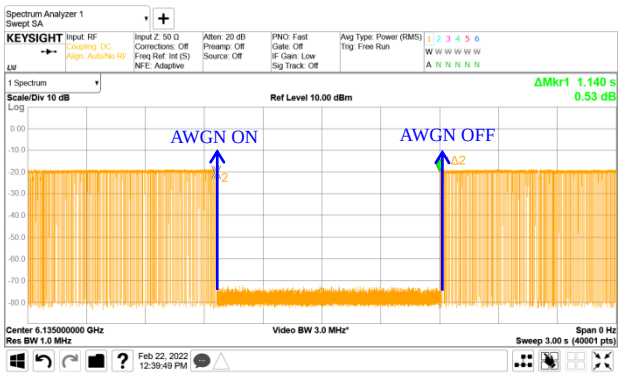
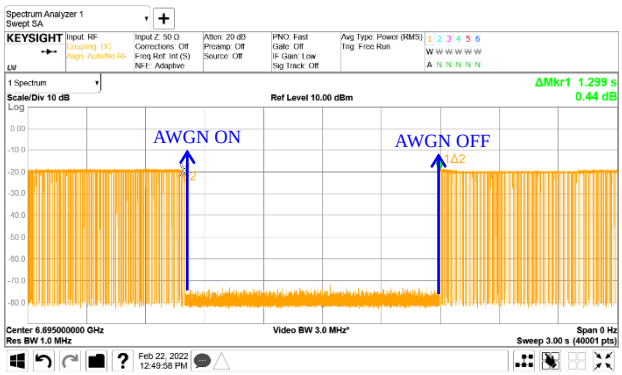
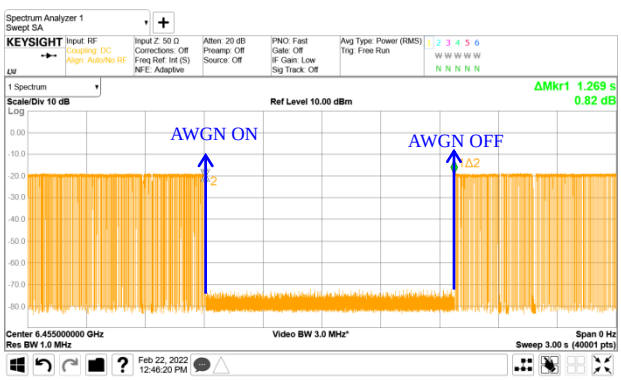
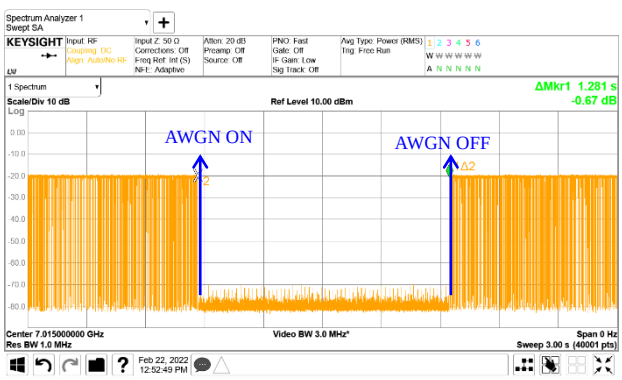
A.8.2 Measurement Plots

Incumbent Signal (AWGN) Bandwidth	Incumbent Signal (AWGN) Threshold Level
	

802.11ax-HE20	
Incumbent Frequency	
6135MHz	6695MHz
	
6455MHz	7015MHz
	

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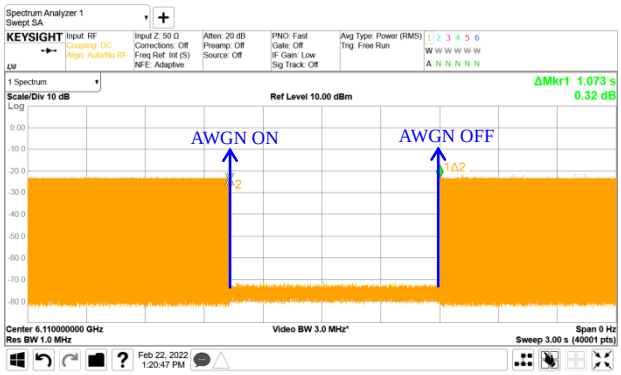
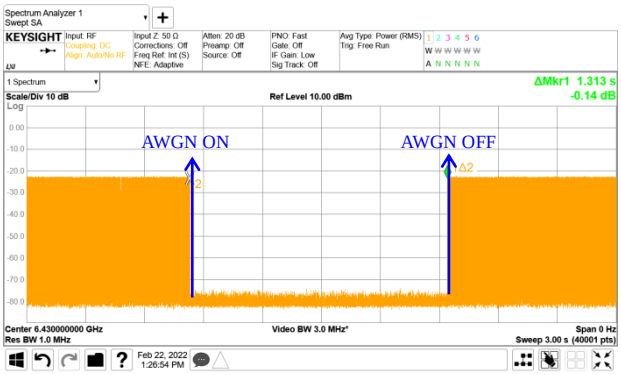
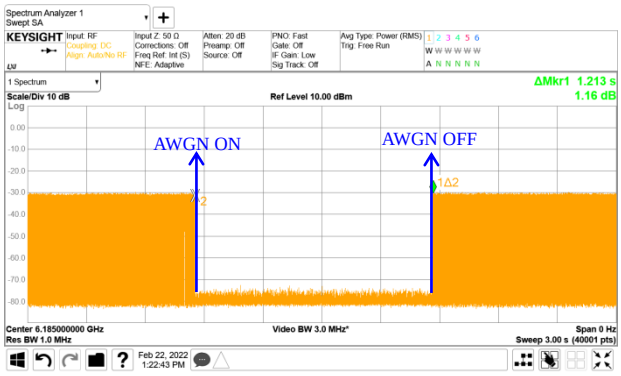
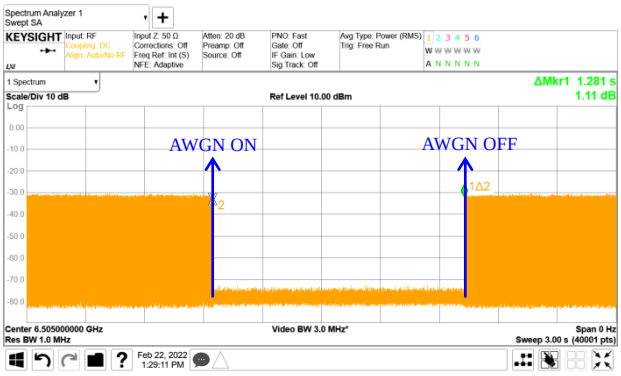
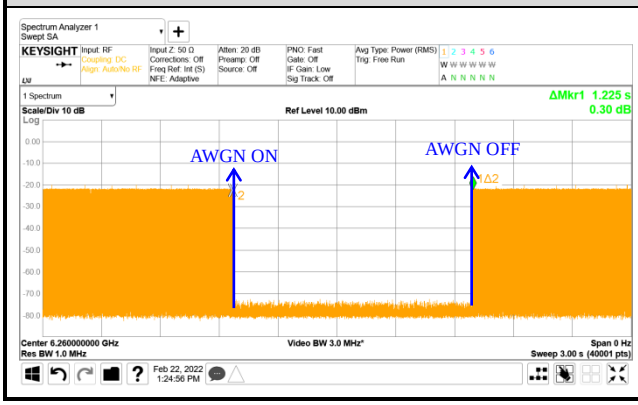
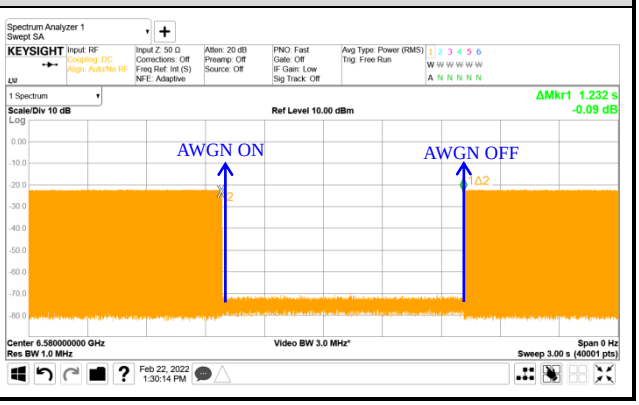
802.11ax-HE160	
Centre Frequency: 6185MHz	Centre Frequency: 6505MHz
Incumbent Frequency	Incumbent Frequency
6110MHz	6430MHz
	
6185MHz	6505MHz
	
6260MHz	6580MHz
	

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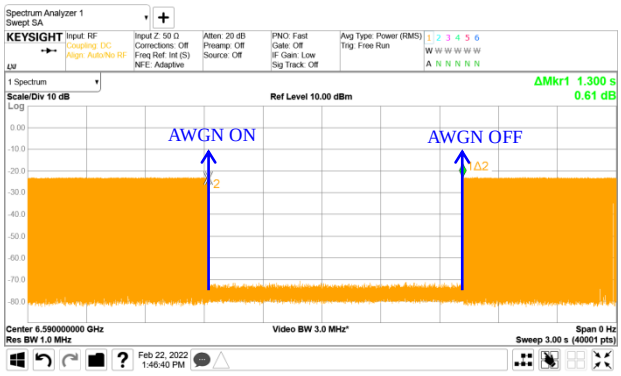
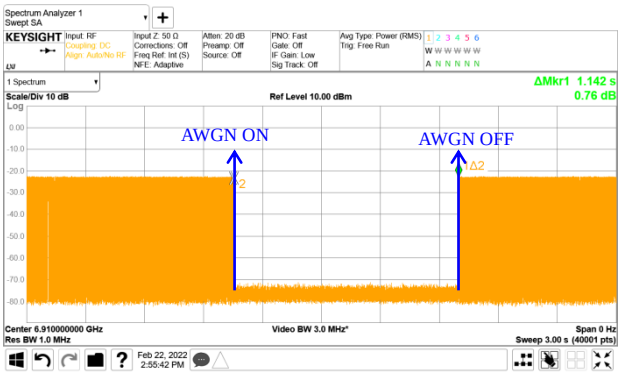
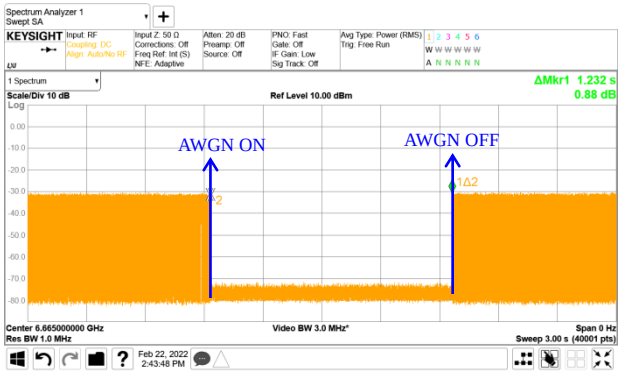
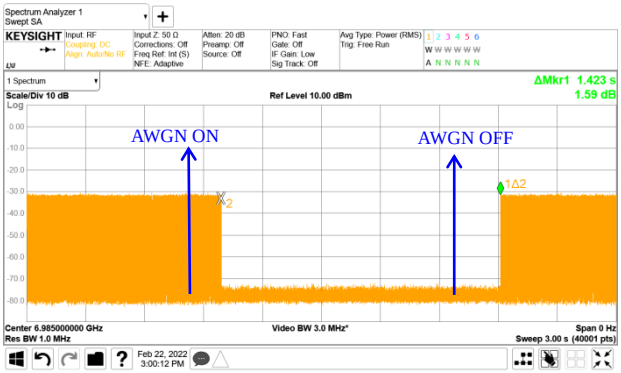
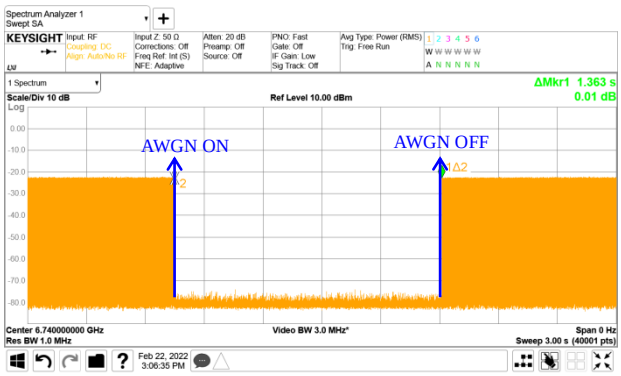
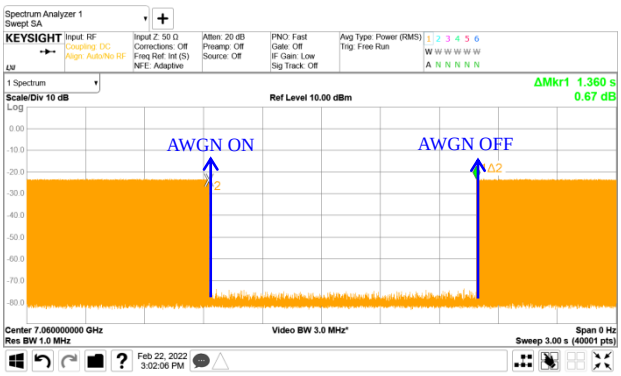
802.11ax-HE160	
Centre Frequency/Incumbent Signal	
Centre Frequency: 6665MHz	Centre Frequency: 6985MHz
Incumbent Frequency	Incumbent Frequency
6590MHz	6910MHz
	
6665MHz	6985MHz
	
6740MHz	7060MHz
	

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