Audix Technology Corp.
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New Taipei City244, Taiwan

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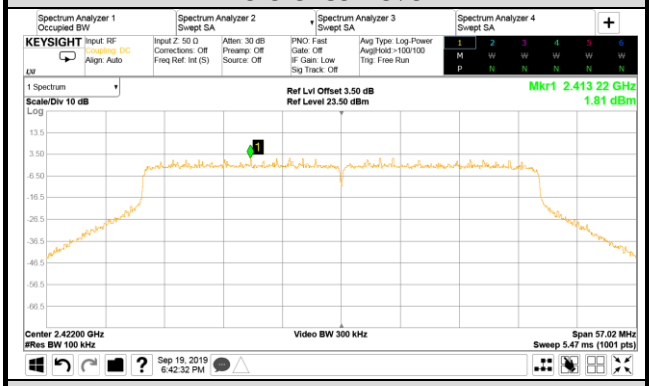
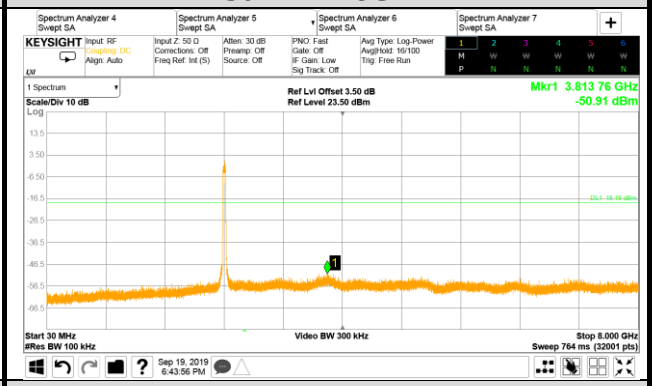
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11ax-HE40	Tested By	Martin Chen
Frequency	TX 2422MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3

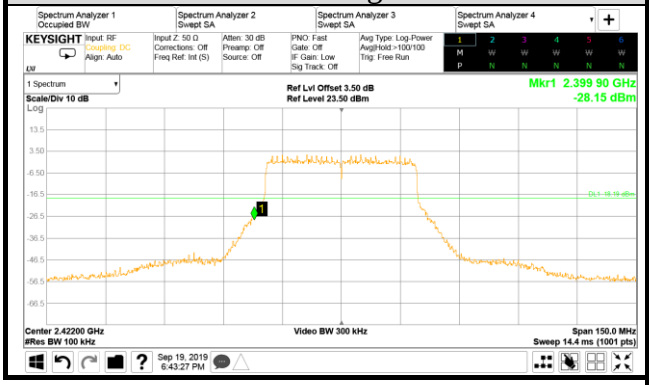
Reference Level



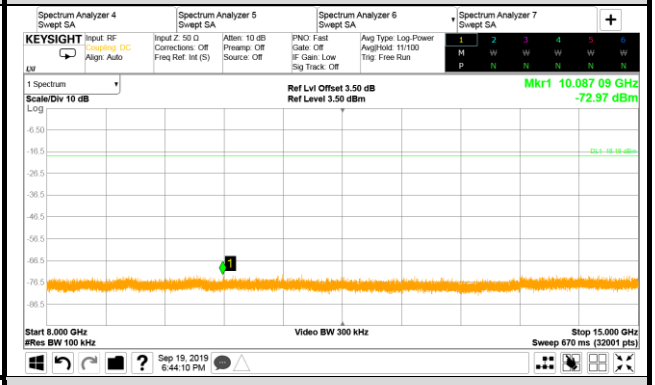
30MHz – 8GHz



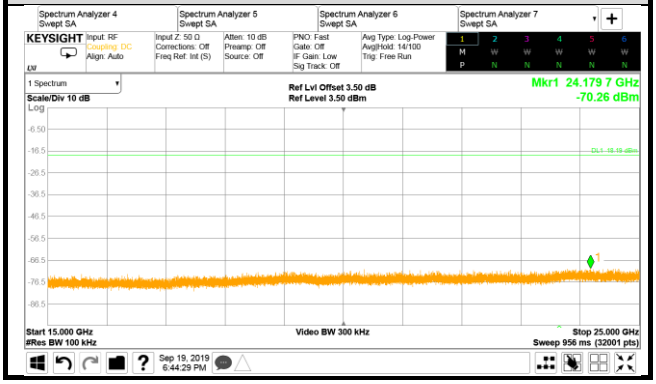
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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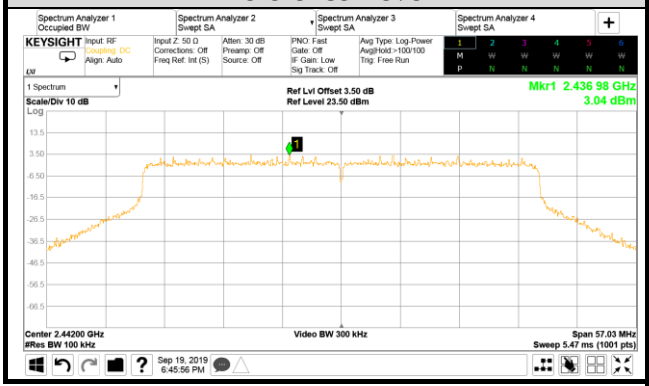
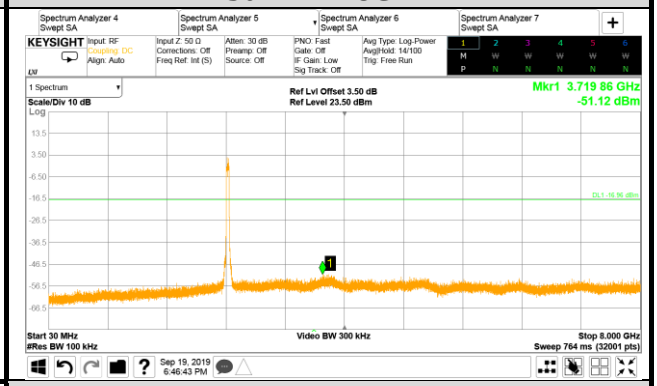
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11ax-HE40	Tested By	Martin Chen
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3

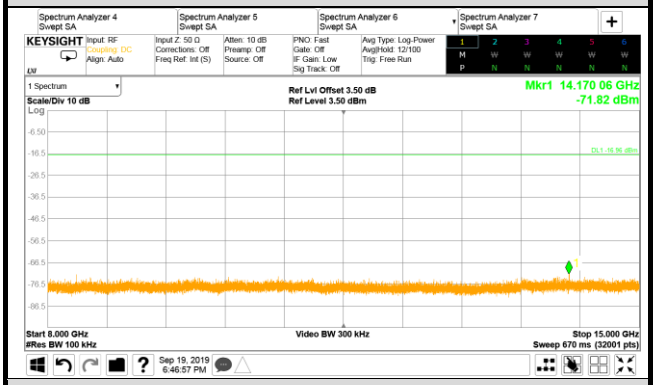
Reference Level



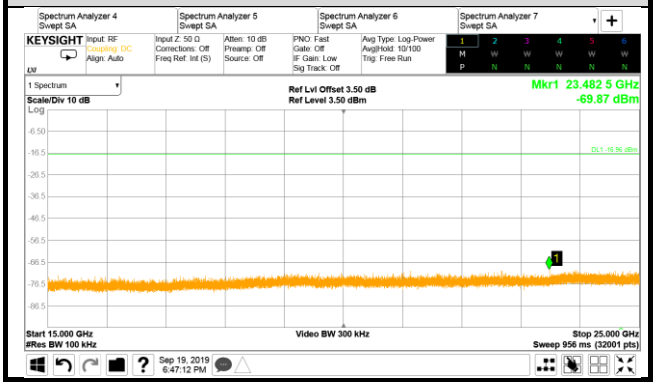
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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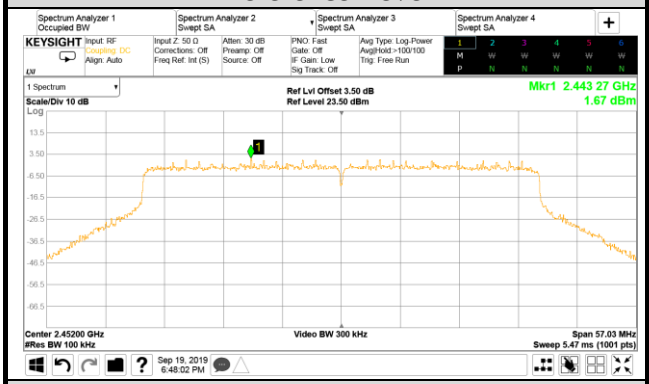
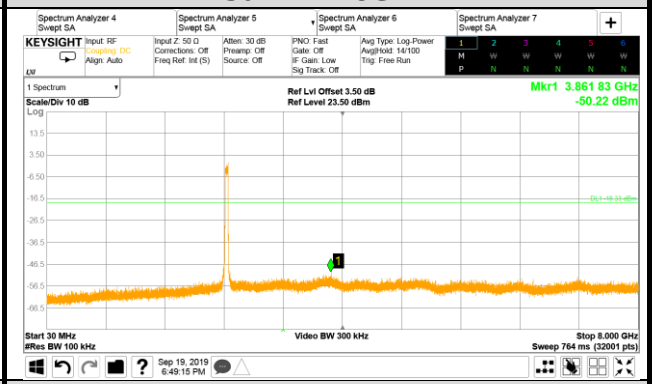
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11ax-HE40	Tested By	Martin Chen
Frequency	TX 2452MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3

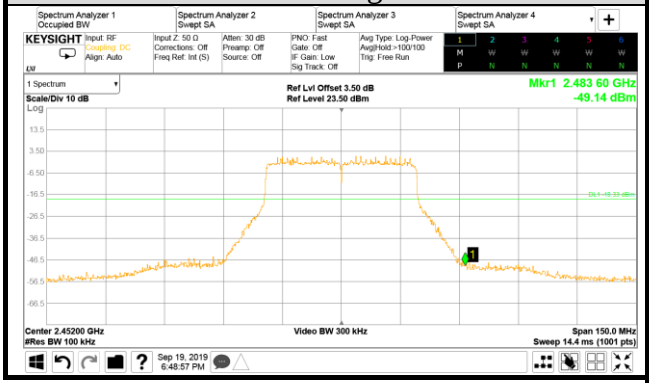
Reference Level



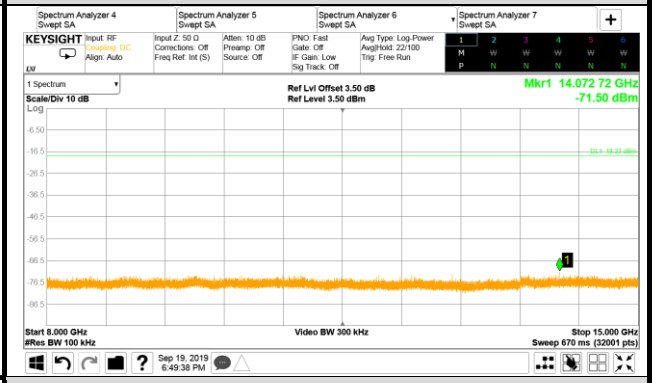
30MHz – 8GHz



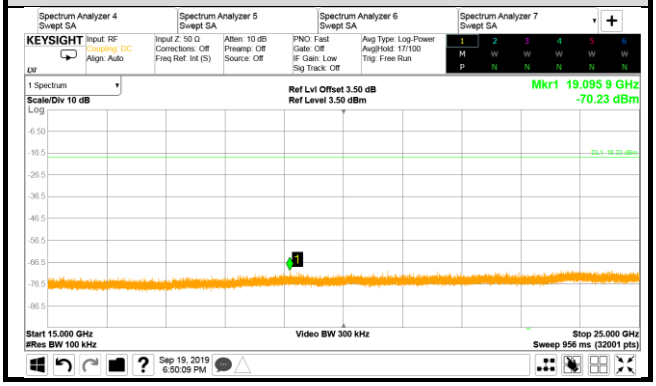
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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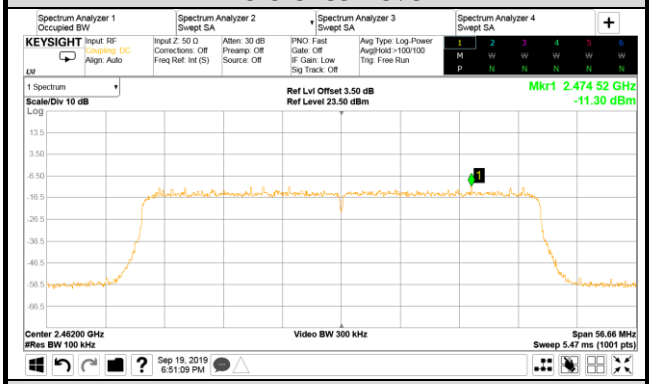
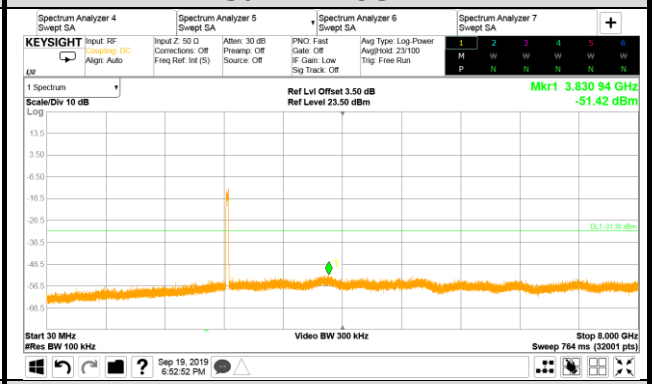
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11ax-HE40	Tested By	Martin Chen
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3

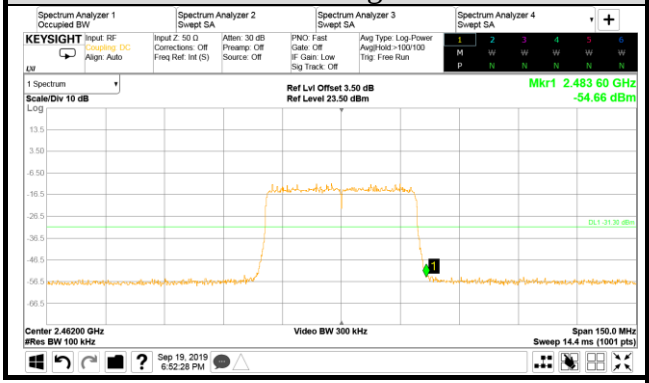
Reference Level



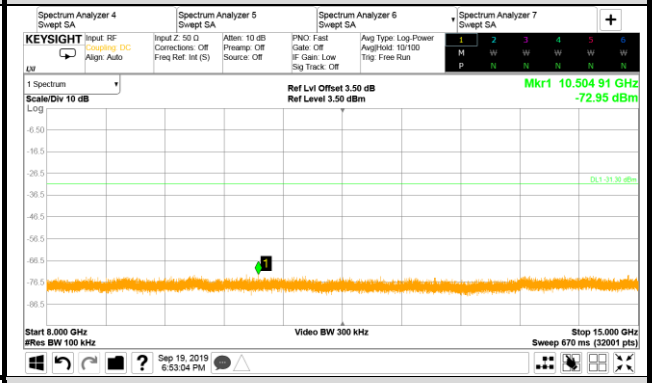
30MHz – 8GHz



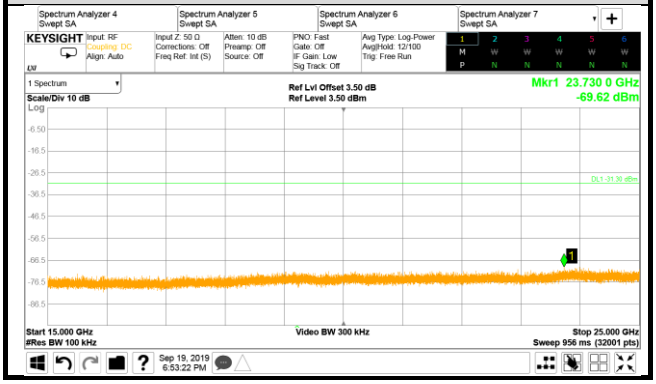
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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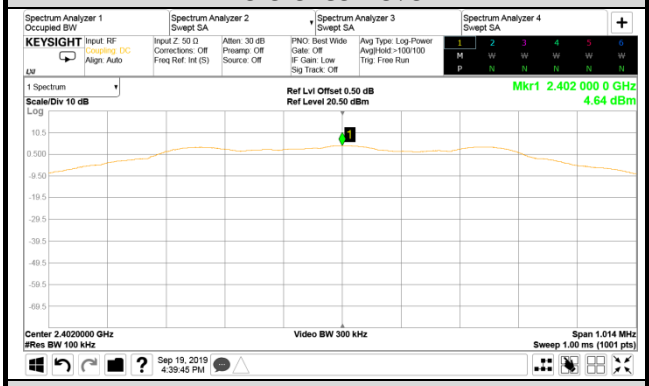
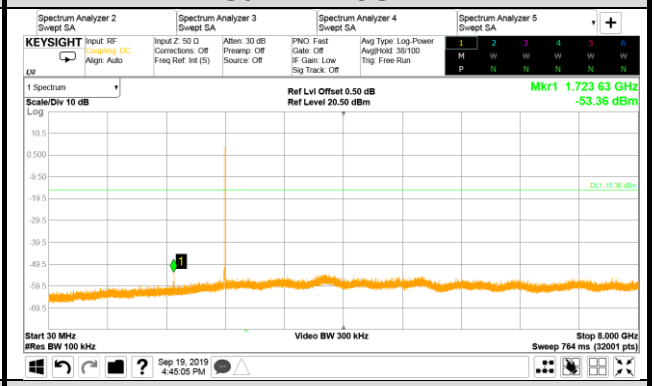
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Martin Chen
Frequency	TX 2402MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

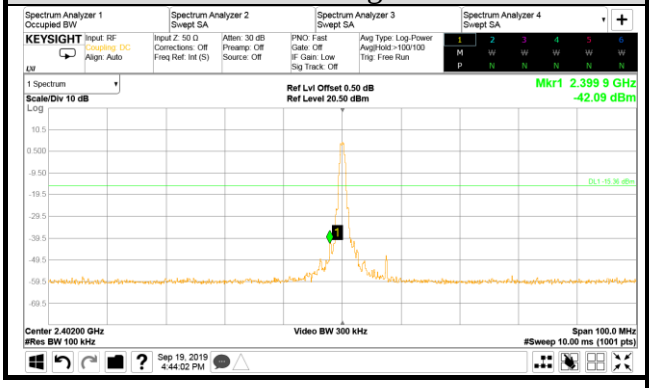
Reference Level



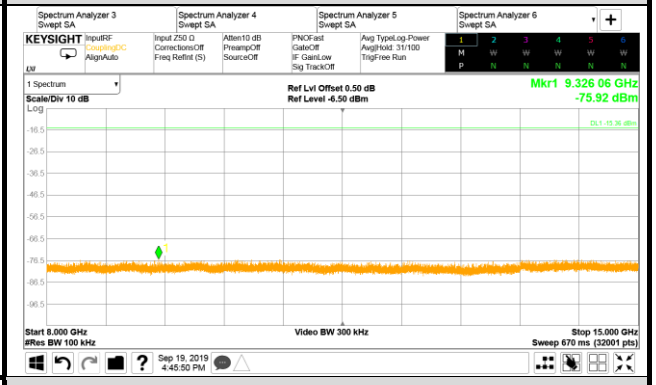
30MHz – 8GHz



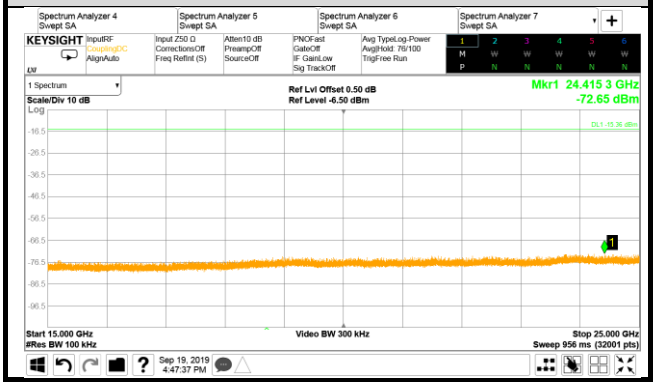
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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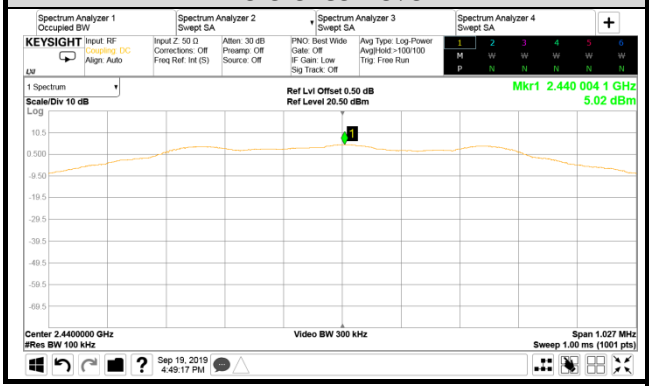
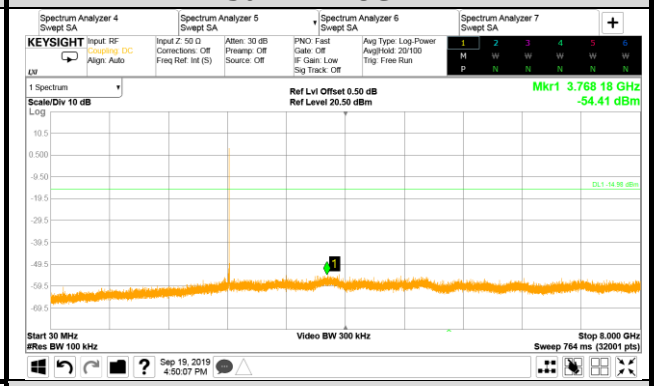
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Martin Chen
Frequency	TX 2440MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

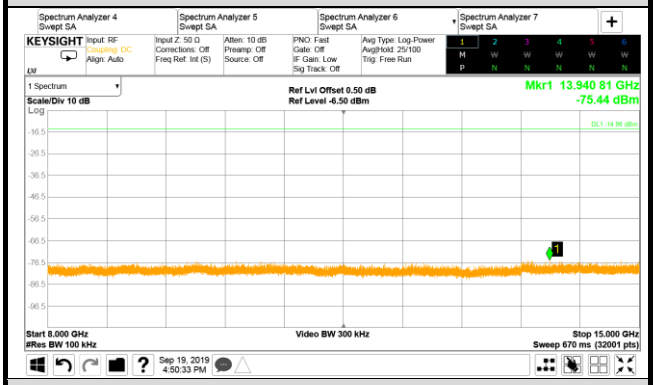
Reference Level



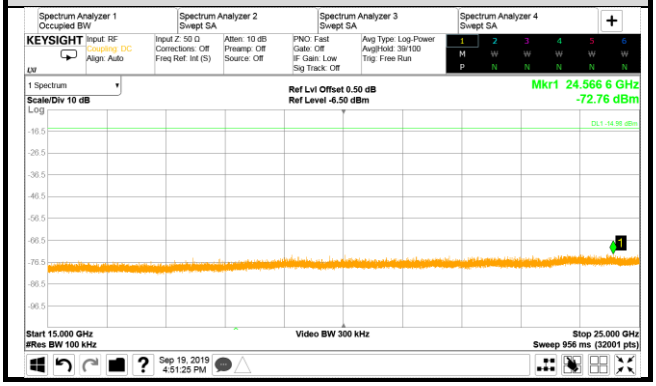
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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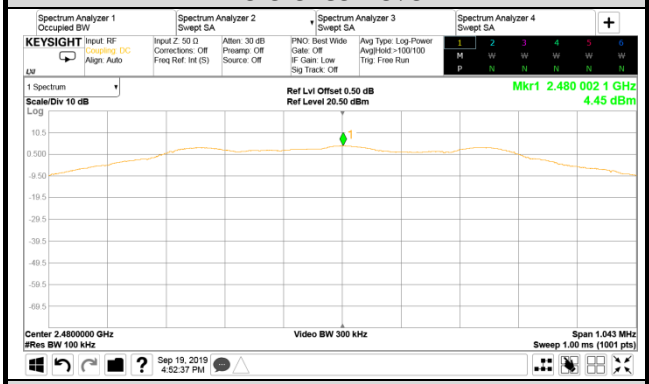
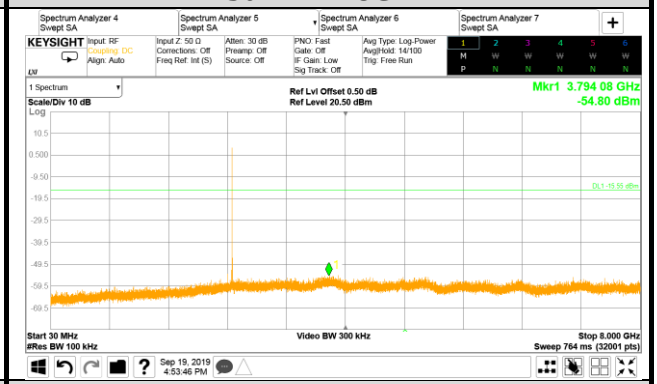
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Martin Chen
Frequency	TX 2480MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

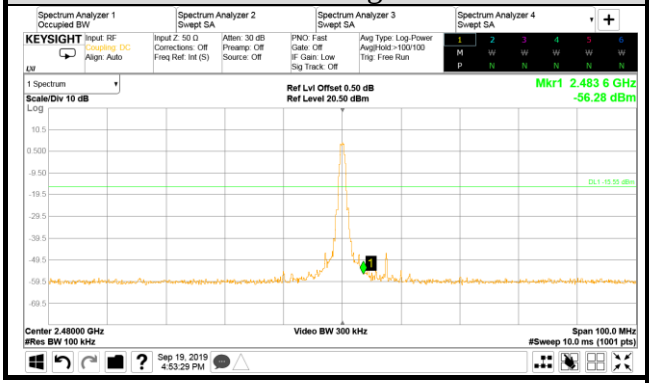
Reference Level



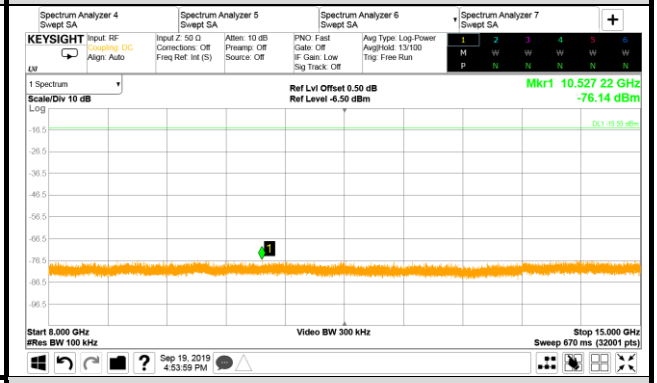
30MHz – 8GHz



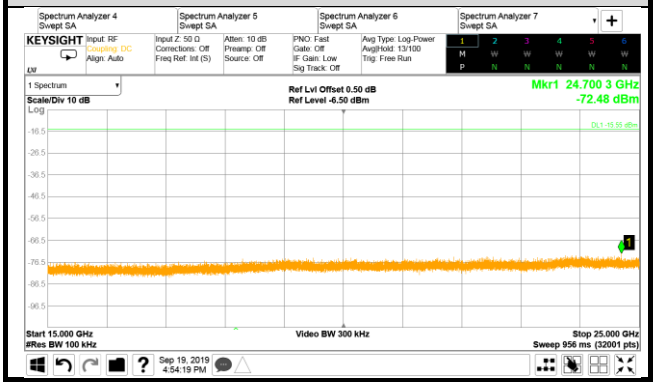
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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A.6 POWER SPECTRAL DENSITY

Test Date	2019/09/19 ~ 25	Temp./Hum.	24 ~ 25℃/50 ~ 54%
Cable Loss	0.50dB	Tested By	Martin Chen
Test Voltage	AC 120V, 60Hz (via AC Adapter)		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			802.11b/g/BLE: 0, 802.11n-HT20/40: 3, 802.11ax-HE20/40: 3

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	-4.55	<8 dBm/3kHz
	2442	-3.61	
	2462	-4.98	
	2472	-11.49	
802.11g	2412	-7.59	
	2442	-5.02	
	2462	-7.67	
	2472	-24.47	
802.11n-HT20	2412	-8.32	
	2442	-6.04	
	2462	-7.19	
	2472	-23.13	
802.11n-HT40	2422	-12.39	
	2442	-10.36	
	2452	-12.26	
	2462	-23.30	
802.11ax-HE20	2412	-9.16	
	2442	-6.72	
	2462	-8.45	
	2472	-24.08	
802.11ax-HE40	2422	-13.47	
	2442	-12.82	
	2452	-13.58	
	2462	-25.48	

Note: All results have been included cable loss and Simultaneous Factor.

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Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11ax-HE20	26/0	2412	0.82	<8 dBm/3kHz
	52/37		-3.22	
	106/53		-6.05	
	26/8	2472	-15.19	
	52/40		-19.27	
	106/54		-22.06	
802.11ax-HE40	242/61	2422	-9.87	
	242/62	2462	-22.13	

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-10.19	<8 dBm/3kHz
	2440	-10.29	
	2480	-11.03	

Note: All results have been included cable loss and Simultaneous Factor.

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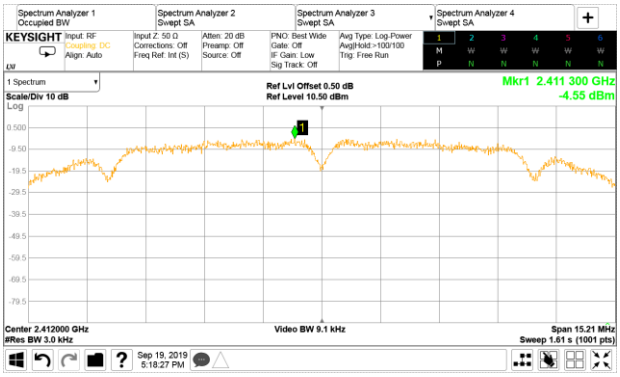
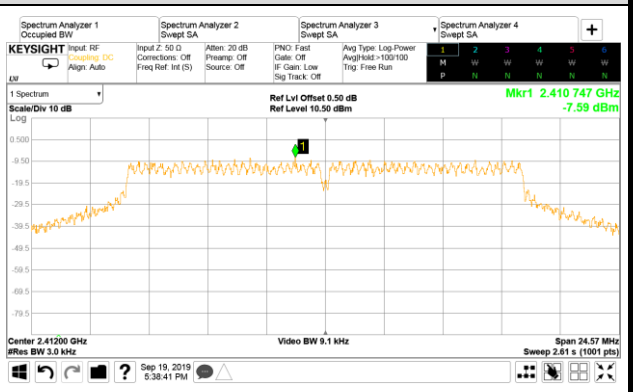
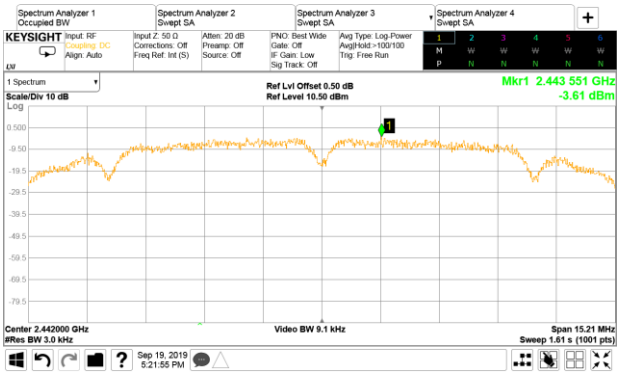
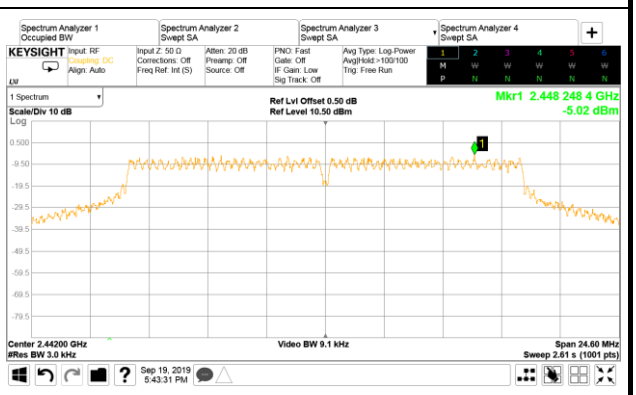
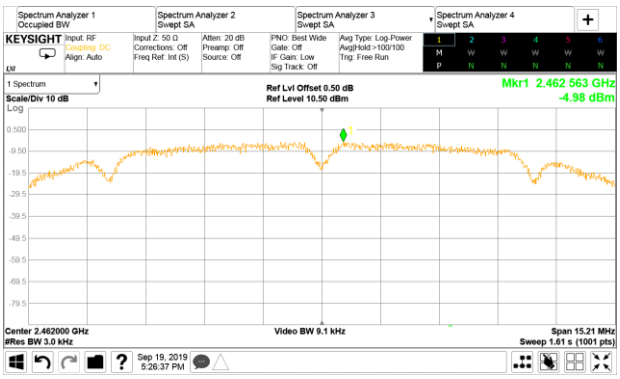
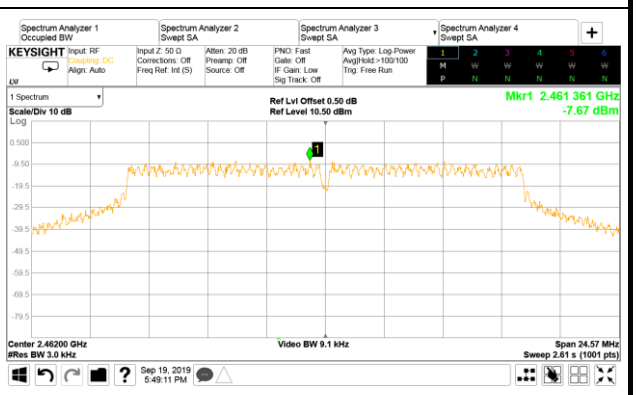
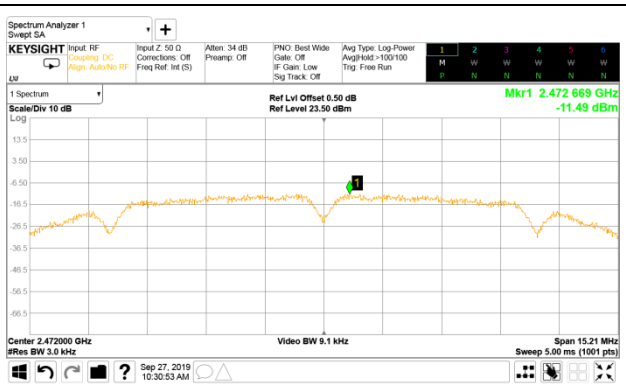
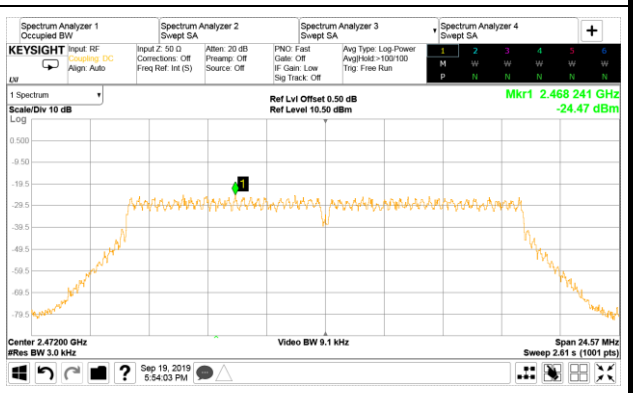
A.6.2 Measurement Plots

802.11b	802.11g
	
	
	
	

Note: All results have been included cable loss and Simultaneous Factor.

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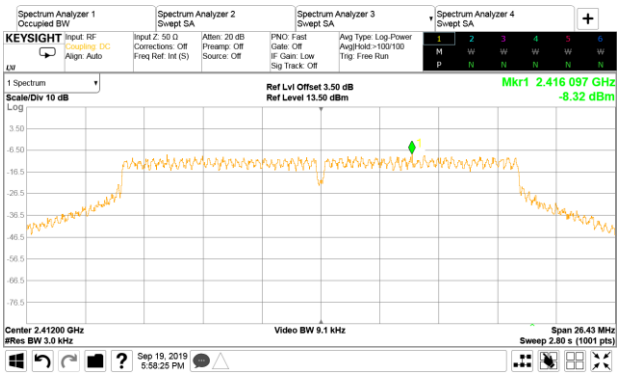
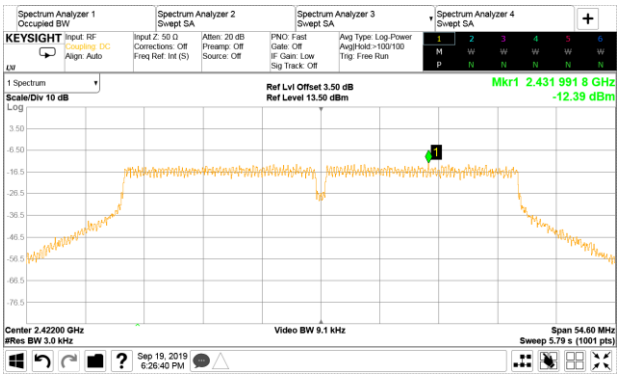
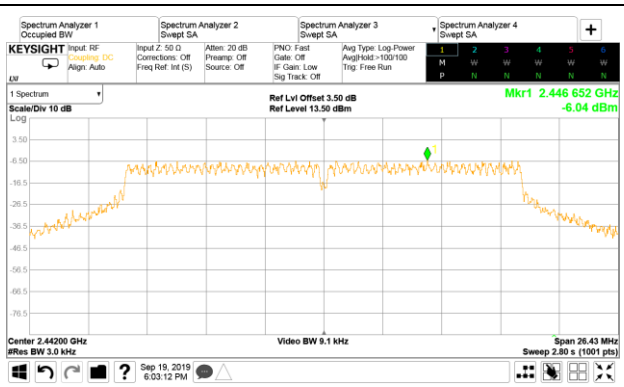
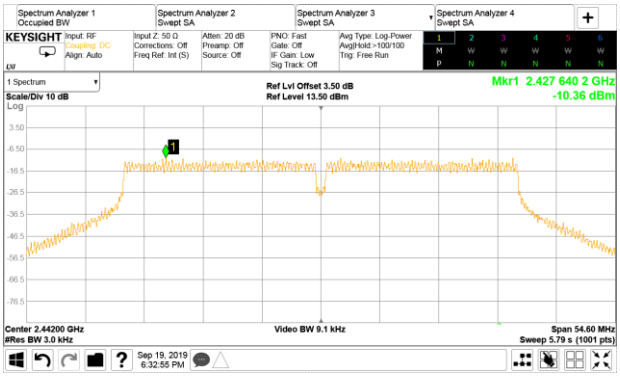
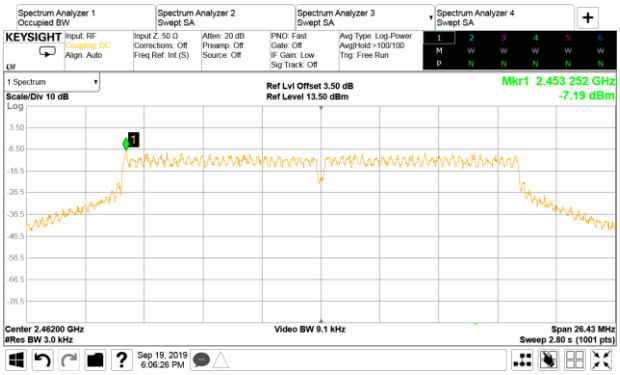
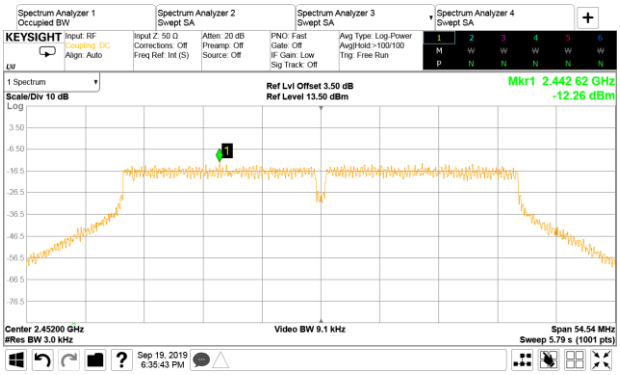
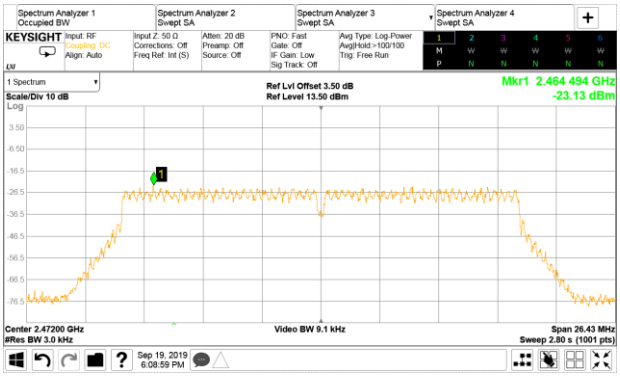
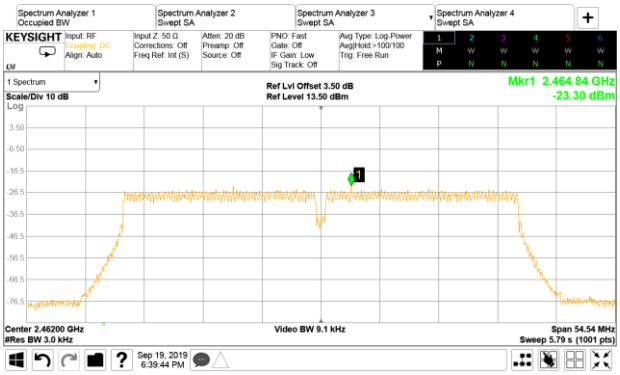
802.11n-HT20	802.11n-HT40
	
	
	
	

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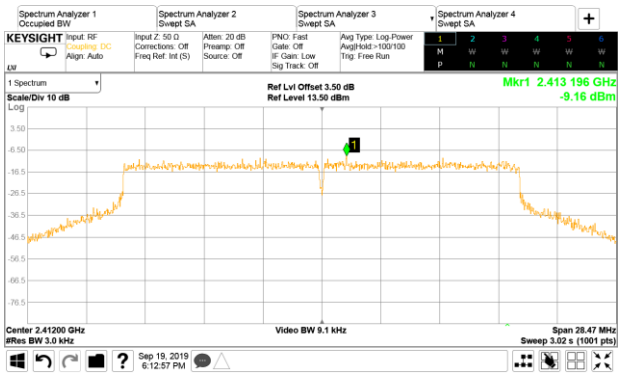
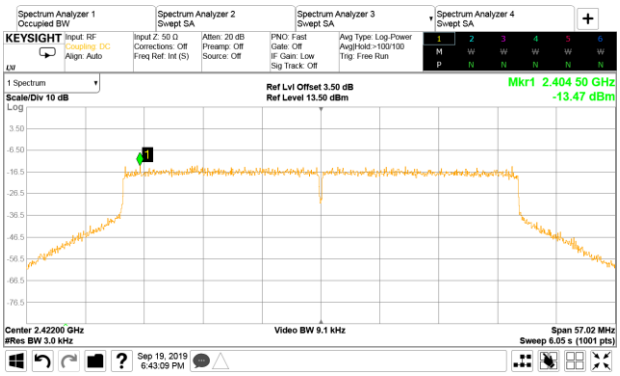
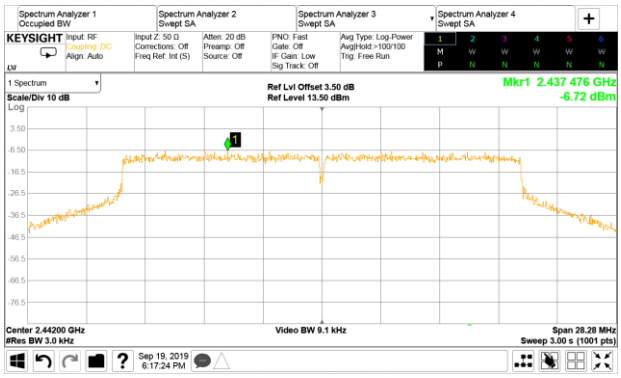
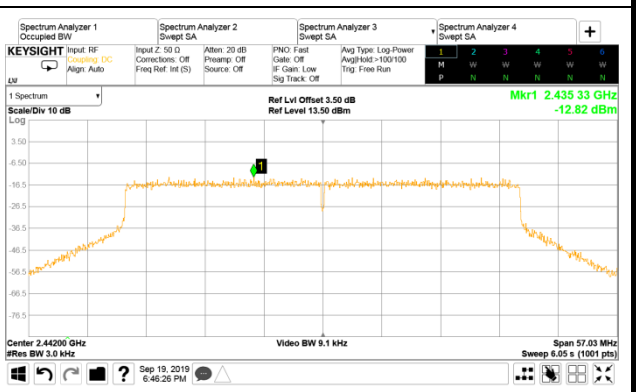
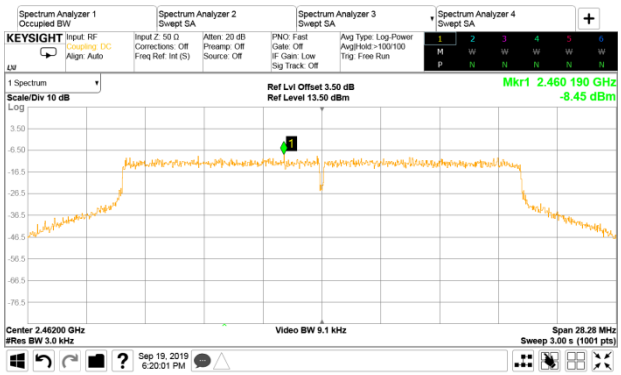
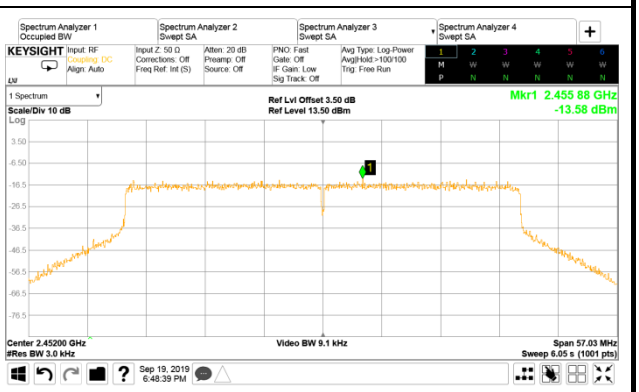
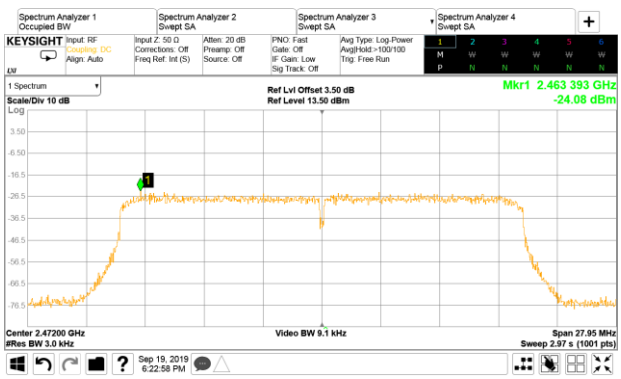
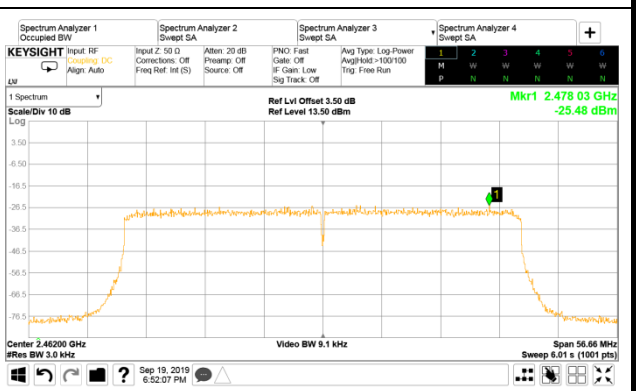
802.11ax-HE20	802.11ax-HE40
	
	
	
	

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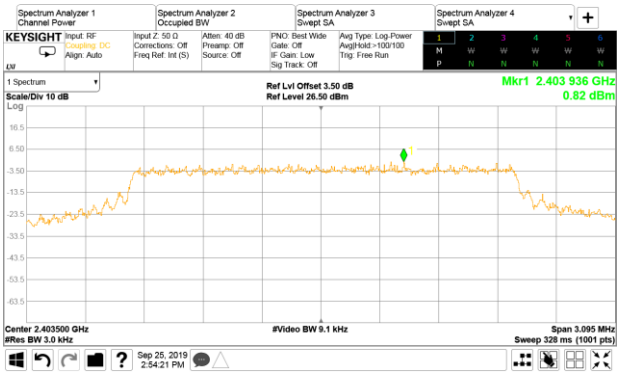
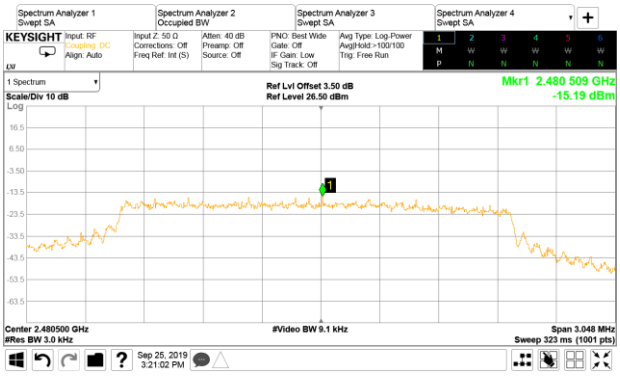
802.11ax-HE20	
2412MHz	2472MHz
26/0	26/8
	
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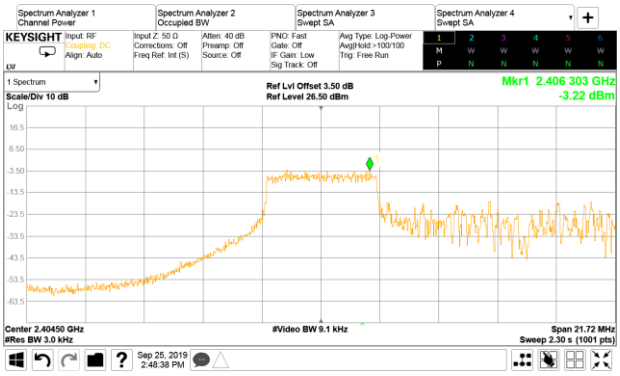	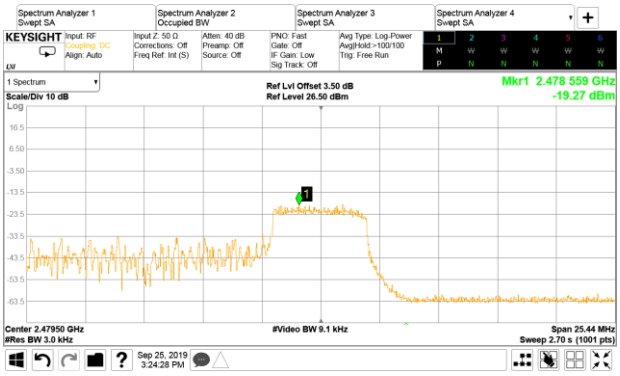
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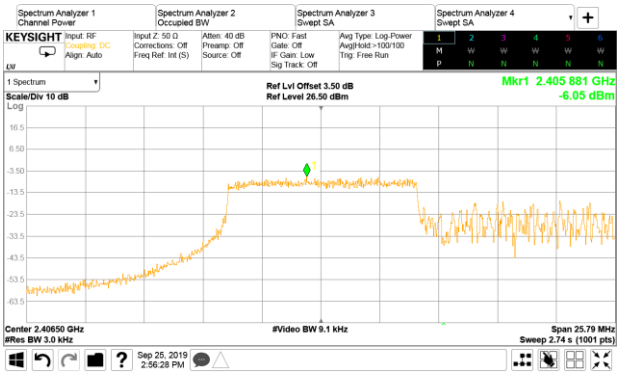	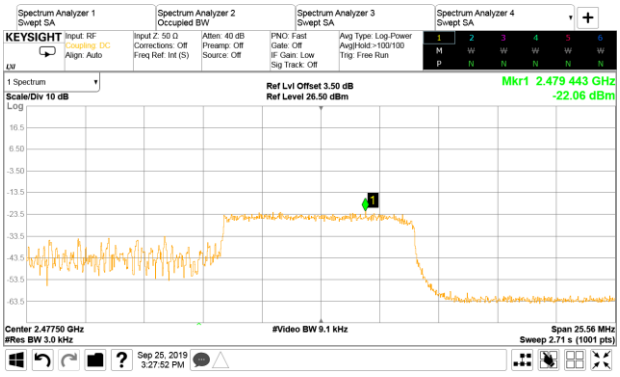

Note: All results have been included cable loss and Simultaneous Factor.

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Tel: +886 2 26099301
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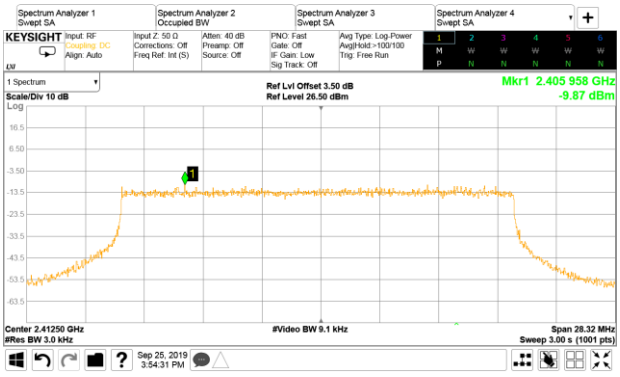
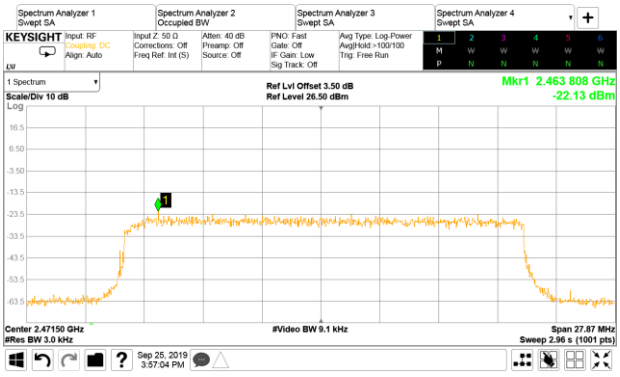
802.11ax-HE40	
2422MHz	2462MHz
242/61	242/62
	

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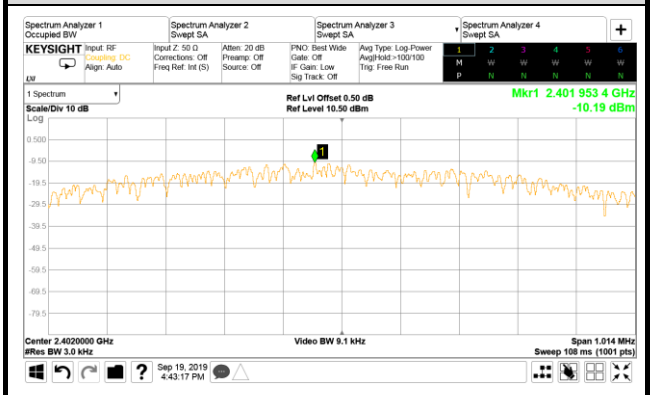
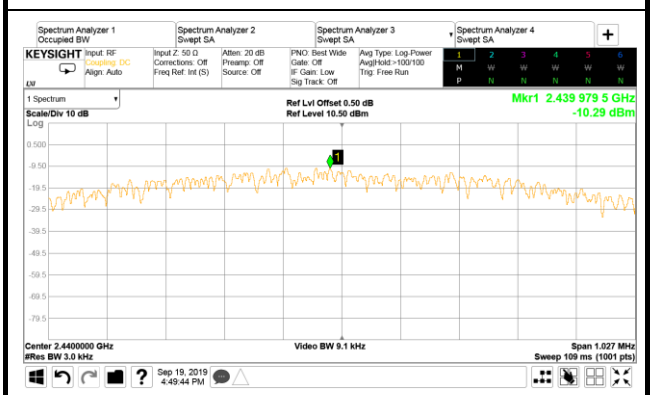
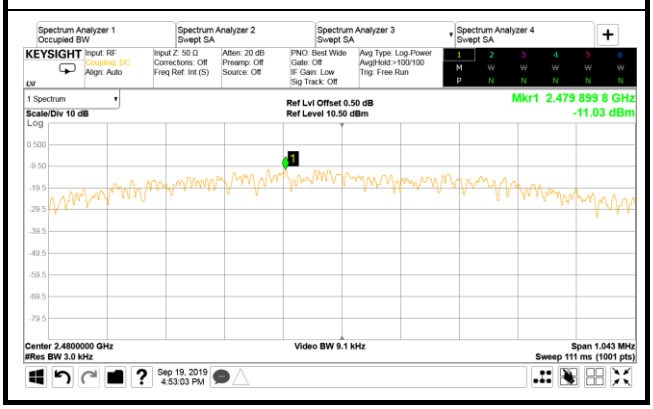
BLE







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APPDNDIX B

TEST PHOTOGRAPHS

(Model: 17Z90P)

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