Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
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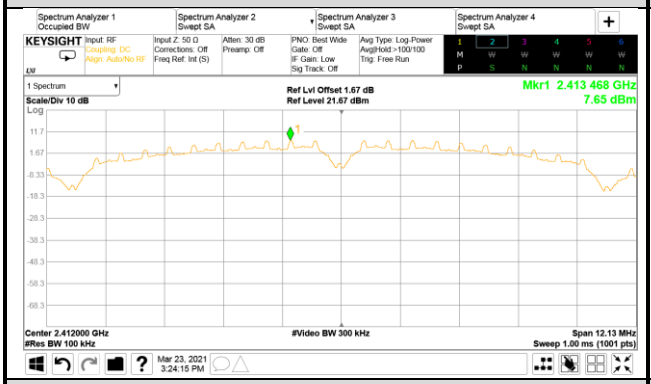
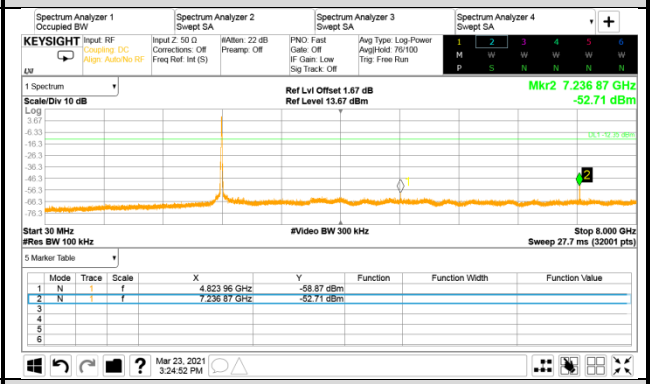
A.5 EMISSION LIMITATIONS

Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Sean Wang
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

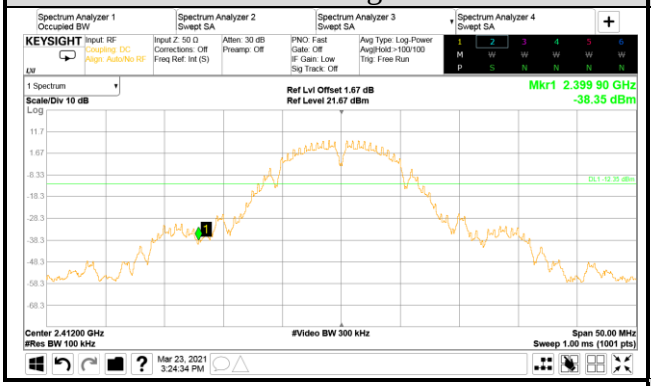
Reference Level



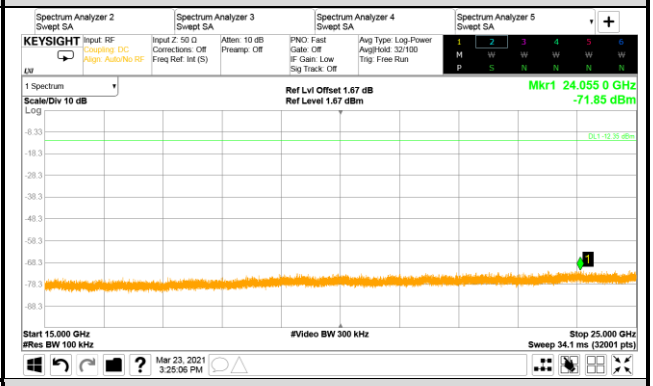
30MHz – 8GHz



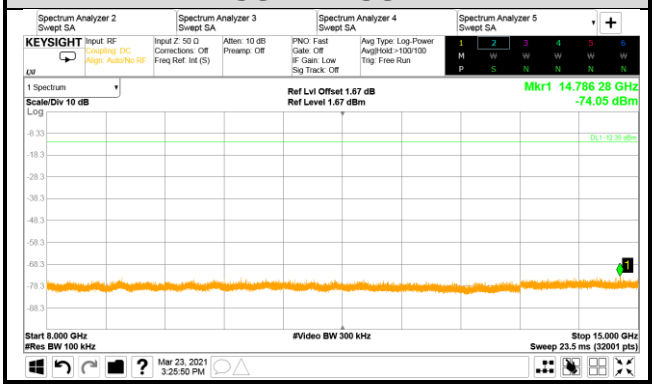
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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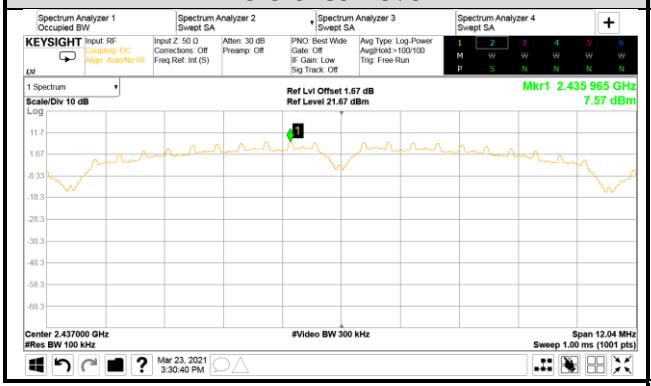
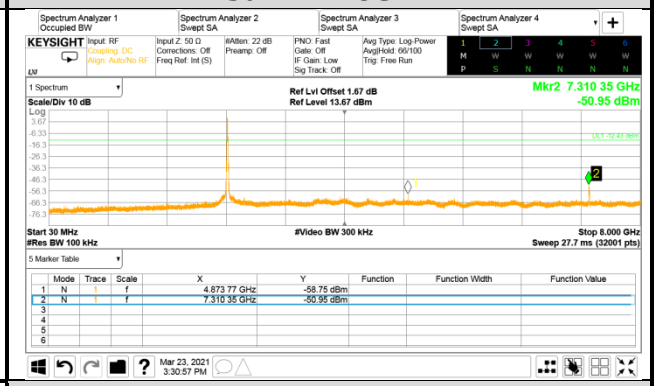
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Sean Wang
Frequency	TX 2437MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

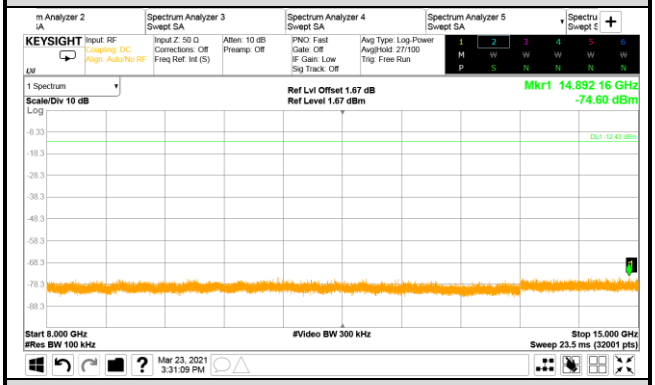
Reference Level



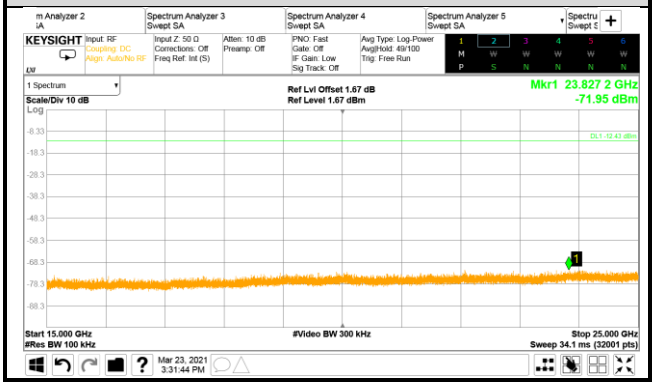
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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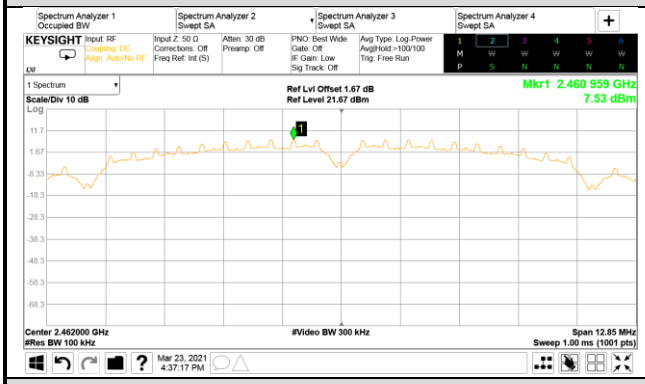
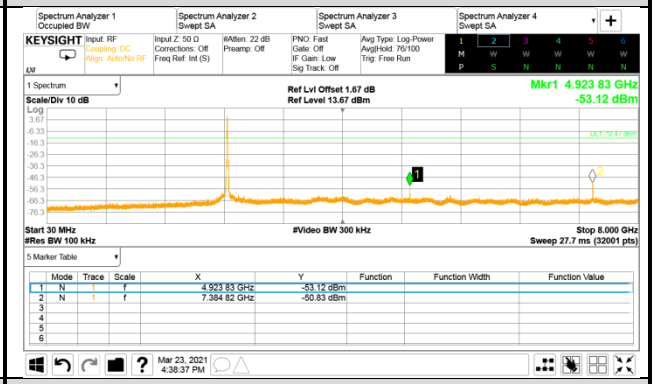
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Sean Wang
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

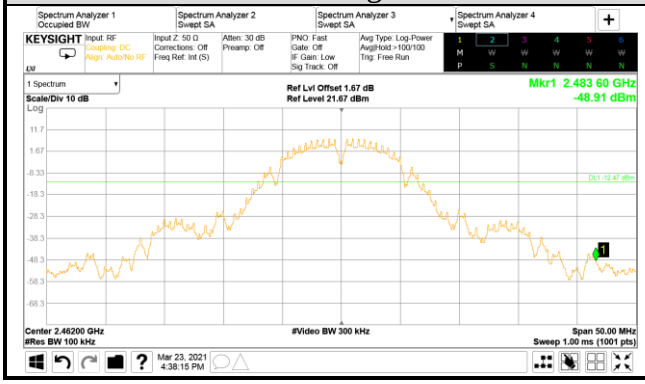
Reference Level



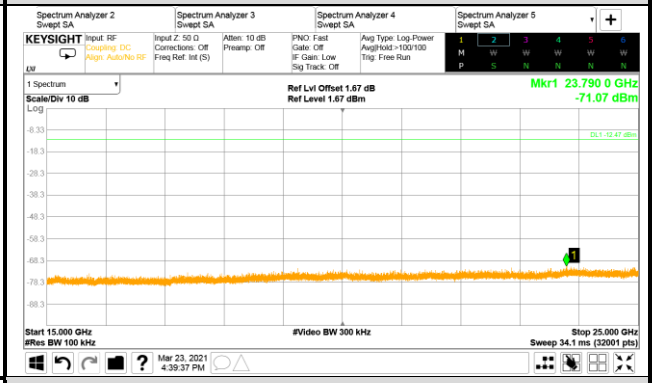
30MHz – 8GHz



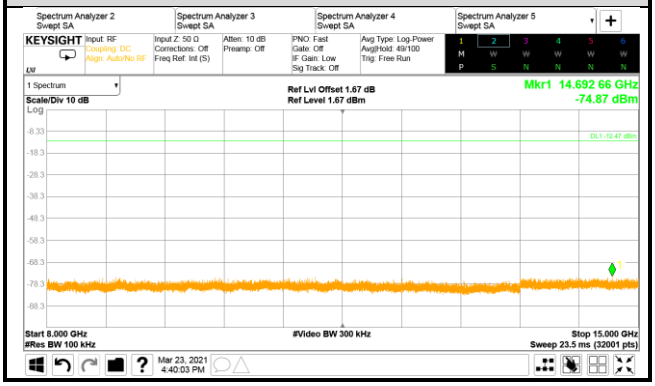
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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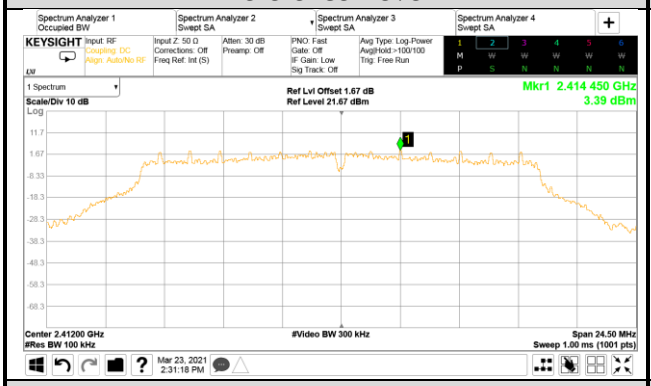
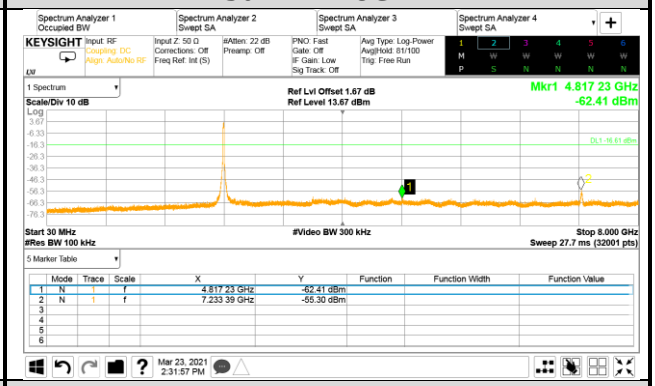
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Sean Wang
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

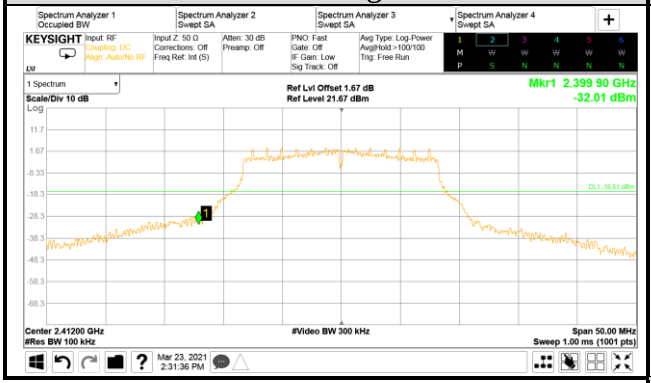
Reference Level



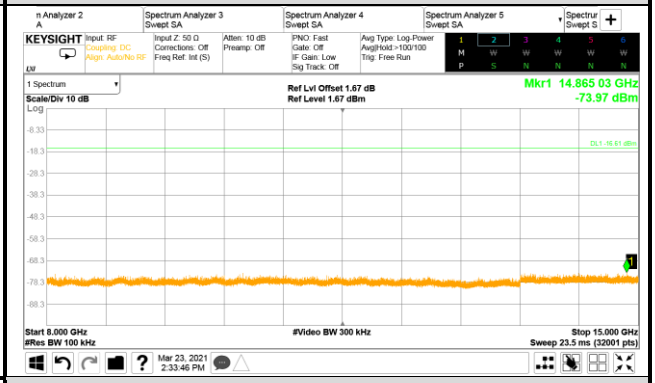
30MHz – 8GHz



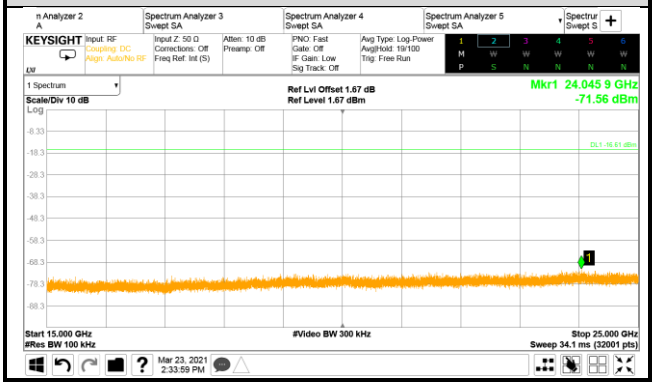
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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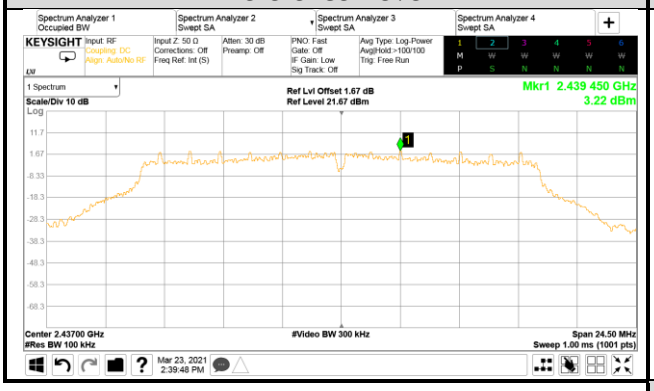
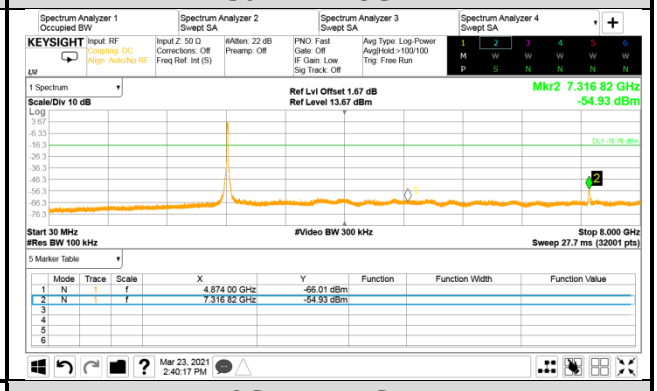
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Sean Wang
Frequency	TX 2437MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

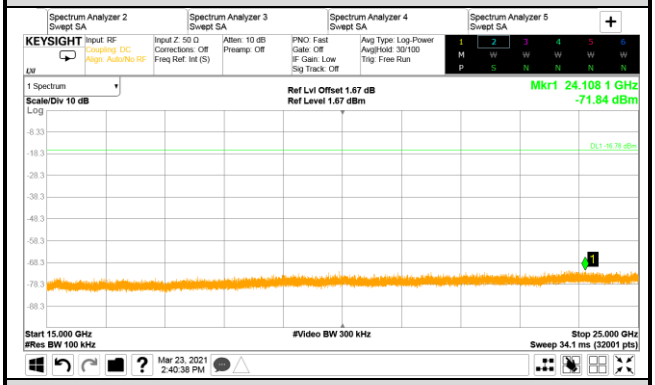
Reference Level



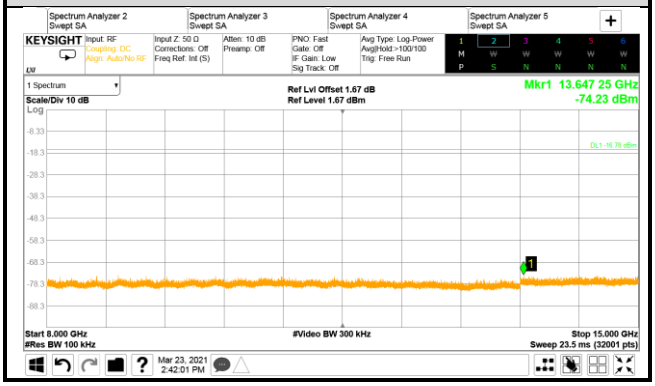
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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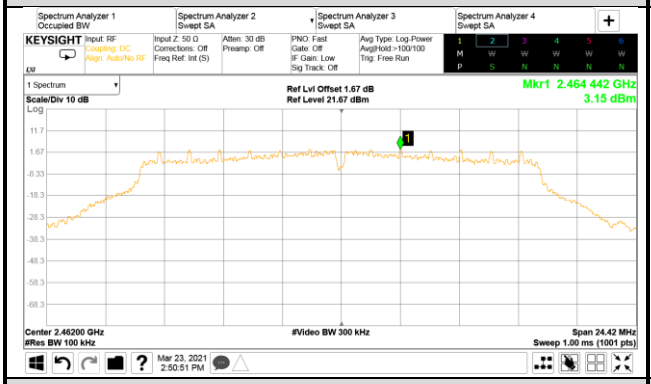
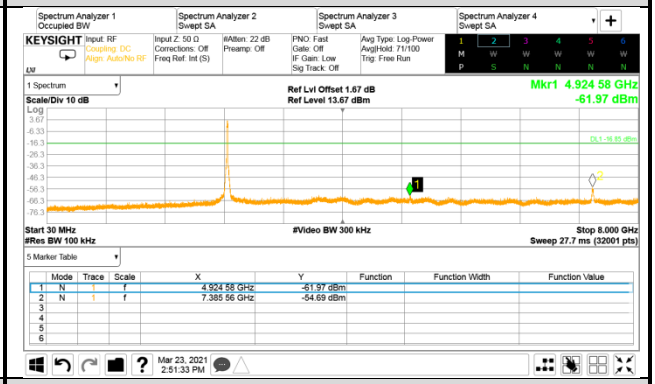
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Sean Wang
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

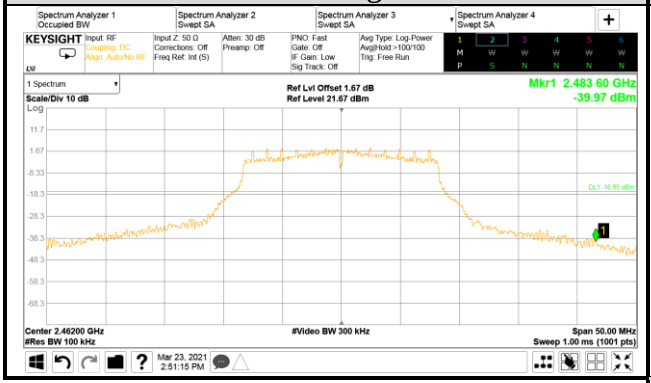
Reference Level



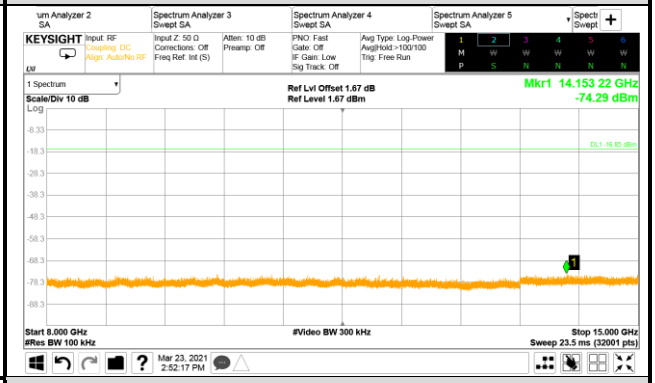
30MHz – 8GHz



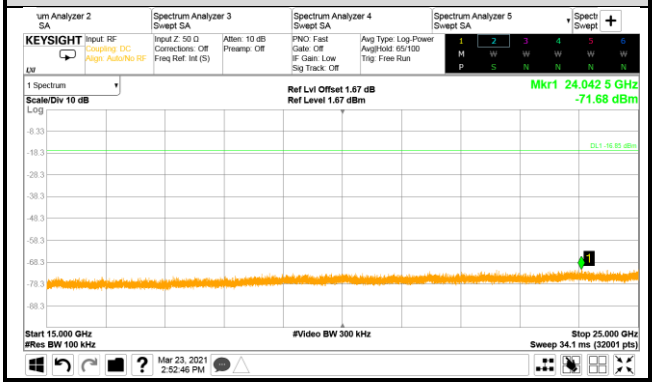
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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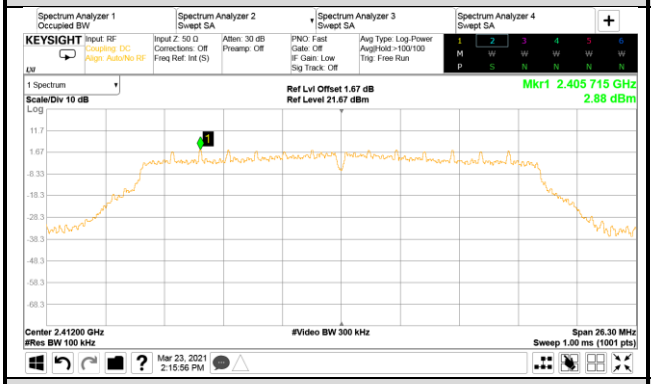
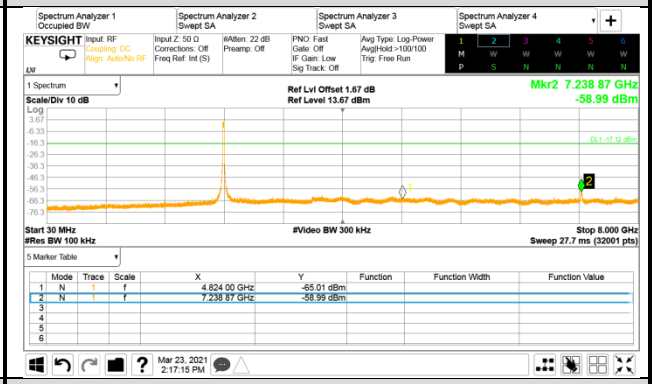
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Sean Wang
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

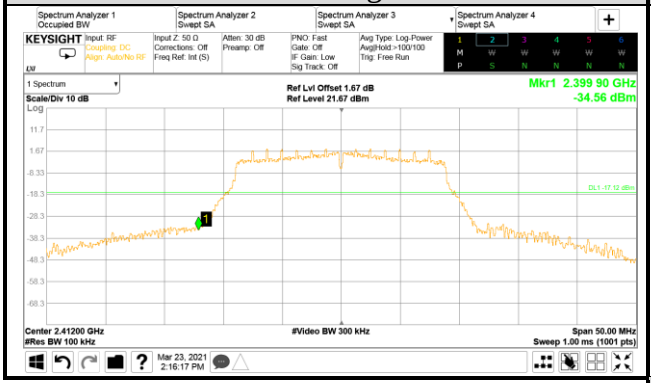
Reference Level



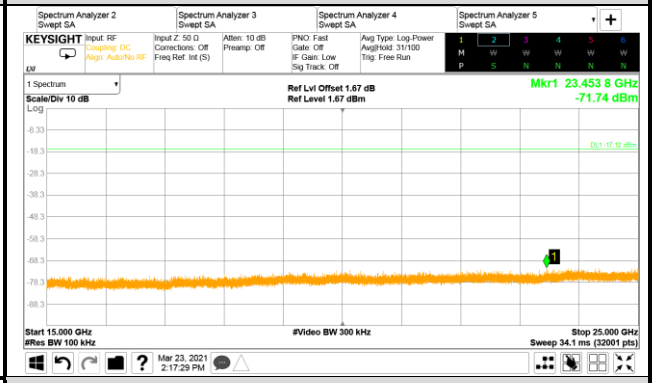
30MHz – 8GHz



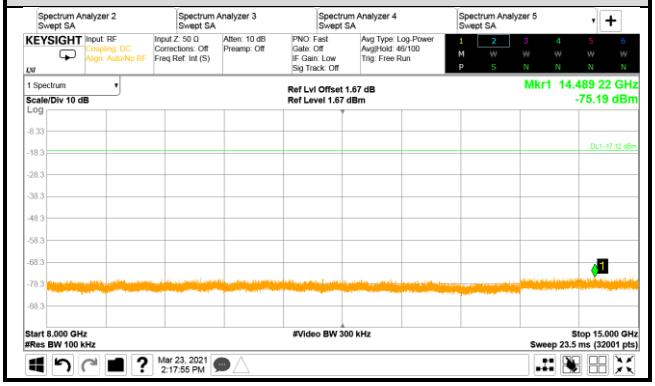
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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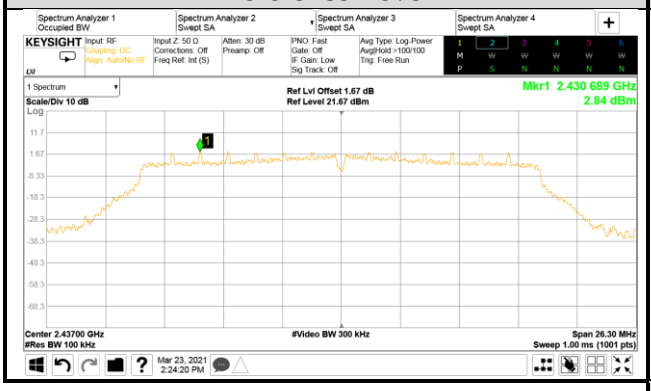
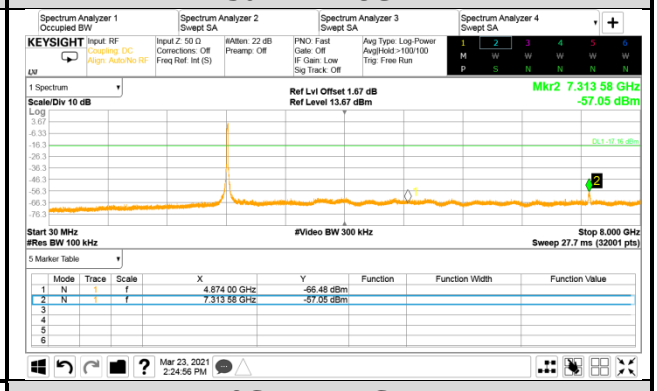
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Sean Wang
Frequency	TX 2437MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

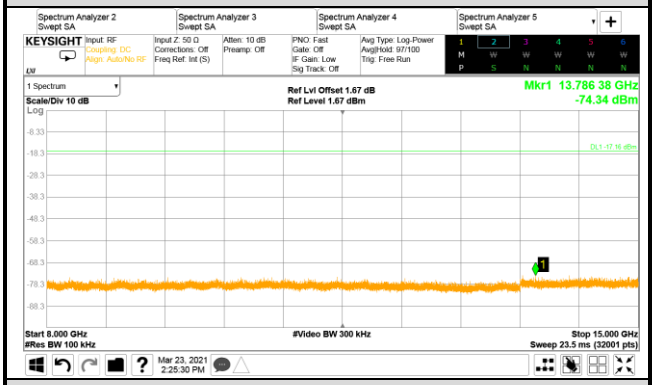
Reference Level



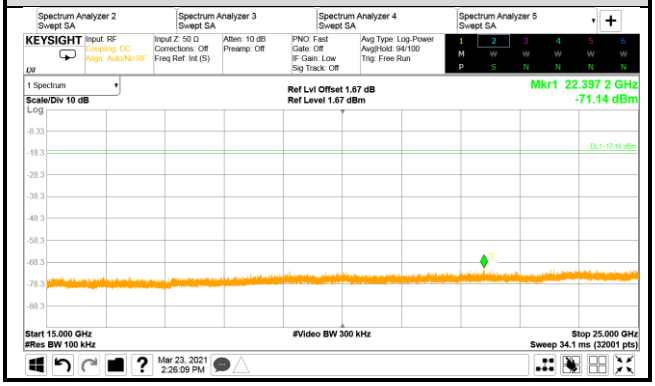
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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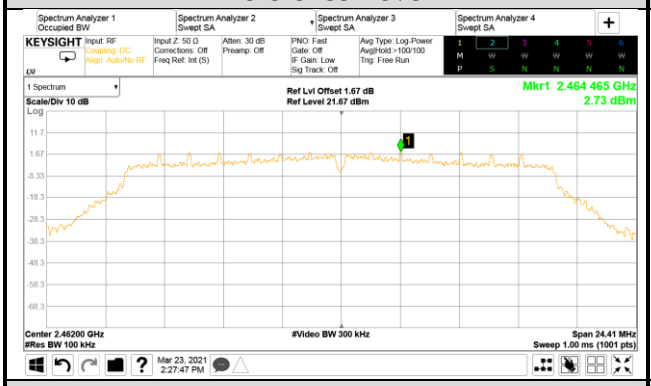
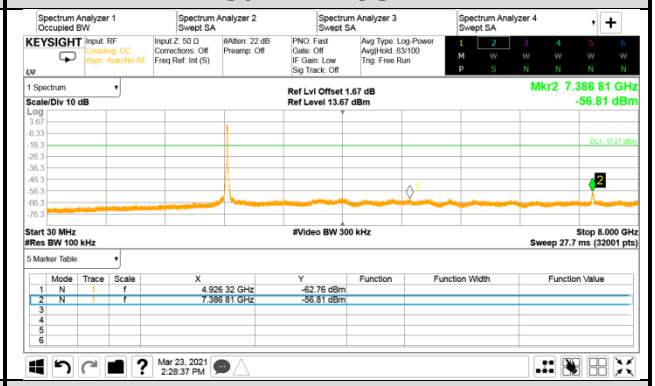
Test Date	2021/03/23	Temp./Hum.	17°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Sean Wang
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

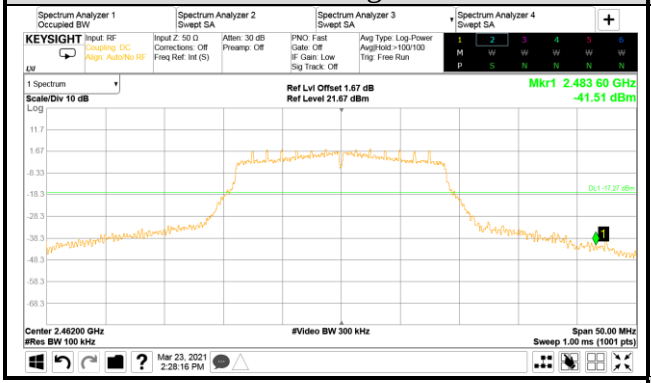
Reference Level



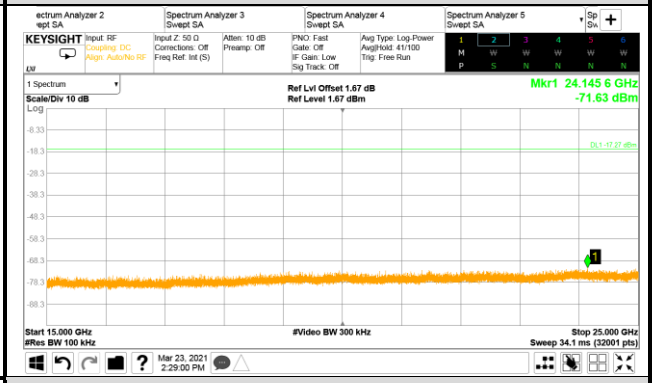
30MHz – 8GHz



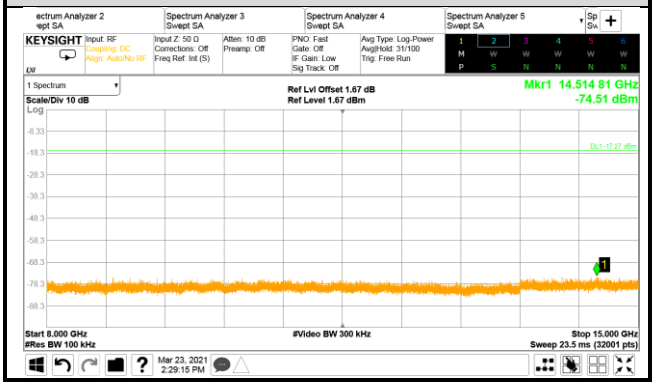
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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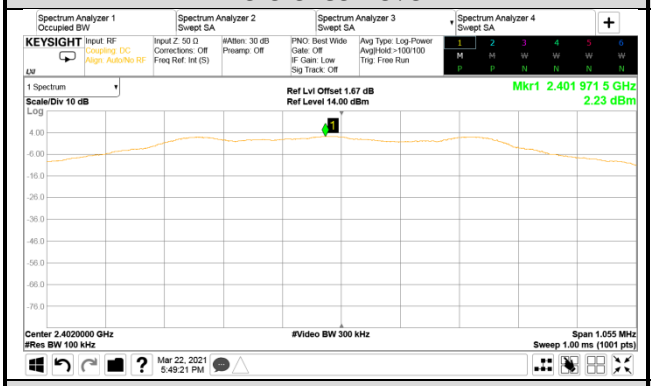
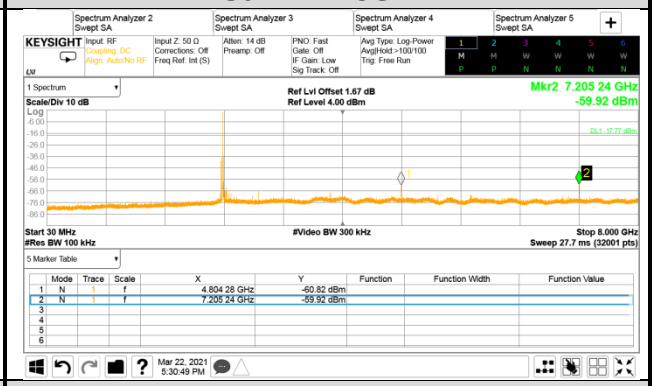
Test Date	2021/03/22	Temp./Hum.	18°C/59%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Sean Wang
Frequency	TX 2402MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

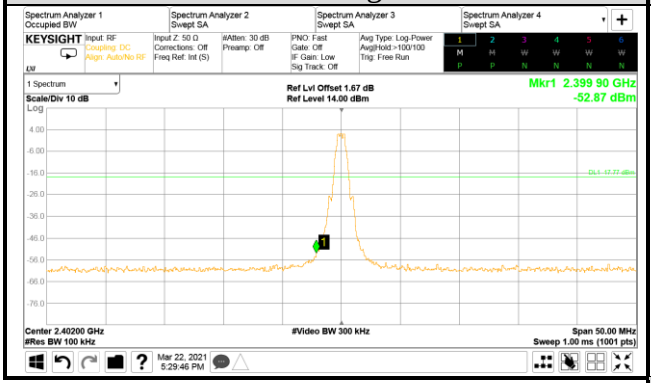
Reference Level



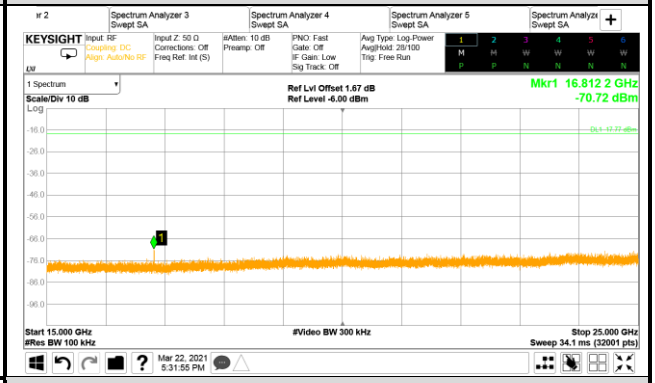
30MHz – 8GHz



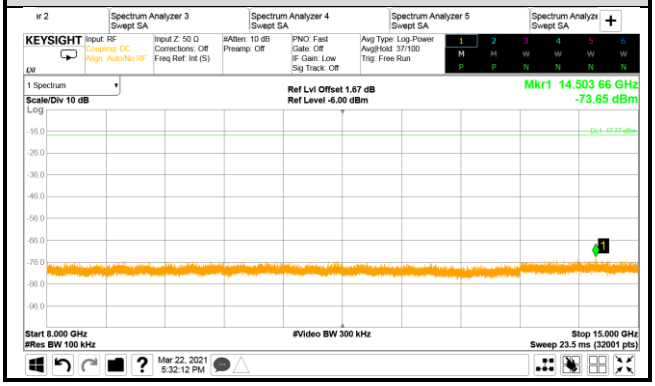
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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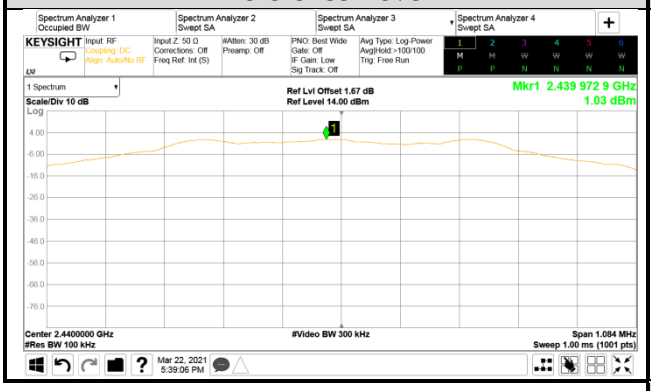
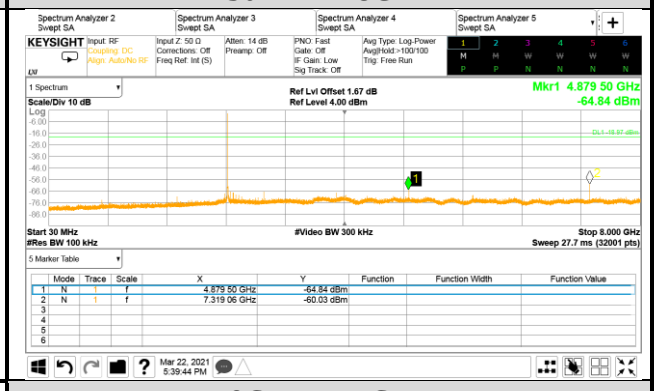
Test Date	2021/03/22	Temp./Hum.	18°C/59%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Sean Wang
Frequency	TX 2440MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

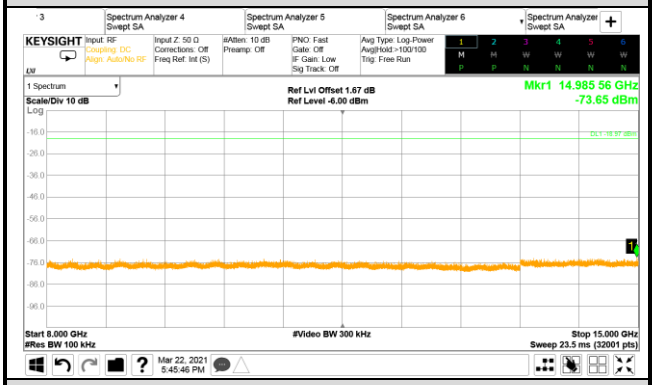
Reference Level



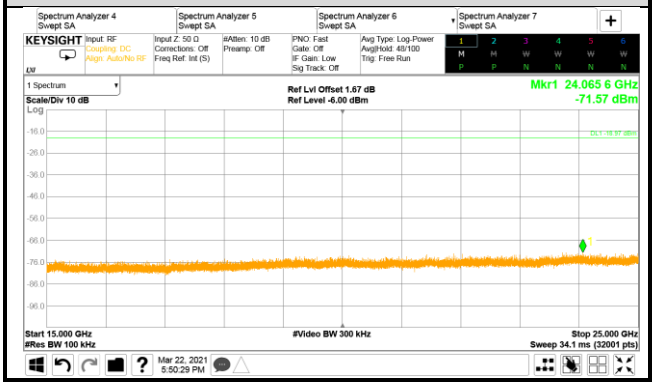
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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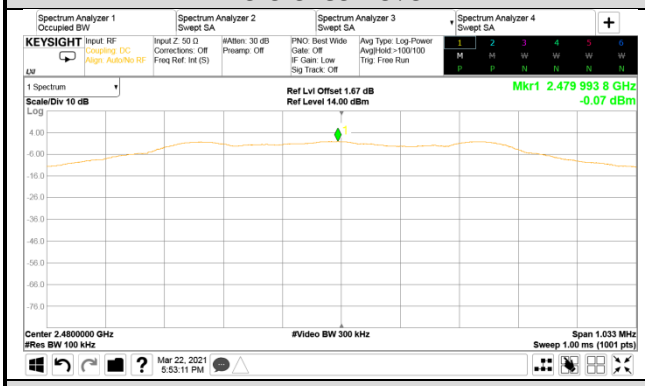
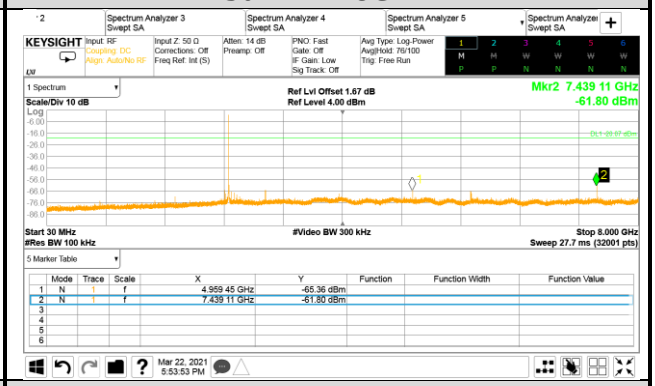
Test Date	2021/03/22	Temp./Hum.	18°C/59%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Tested By	Sean Wang
Frequency	TX 2480MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

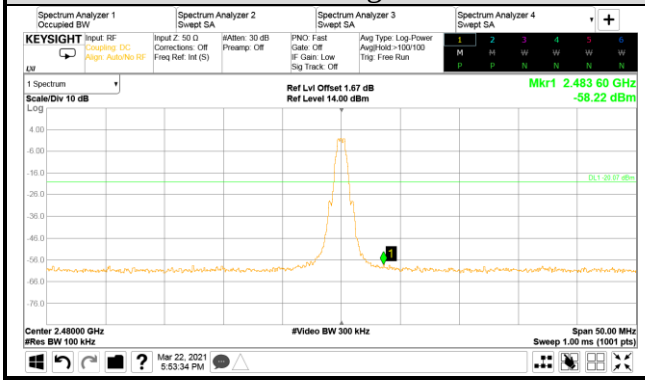
Reference Level



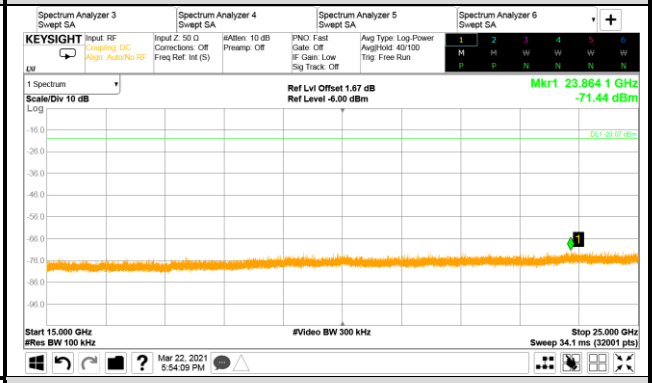
30MHz – 8GHz



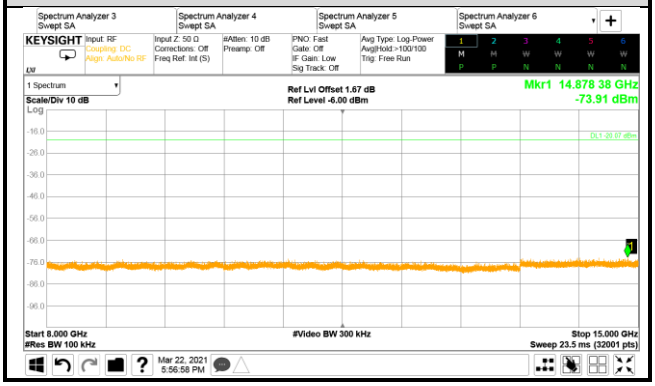
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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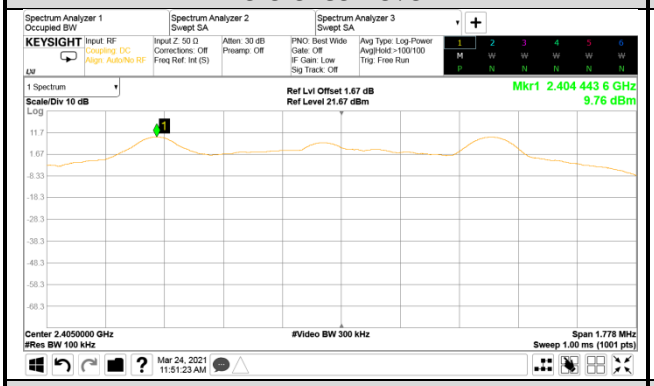
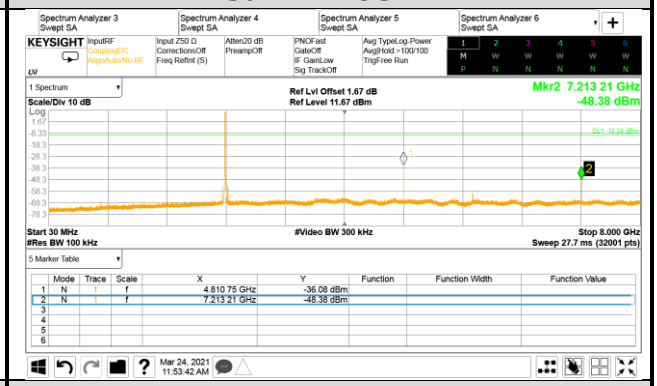
Test Date	2021/03/24	Temp./Hum.	20°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	ZigBee	Tested By	Sean Wang
Frequency	TX 2405MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

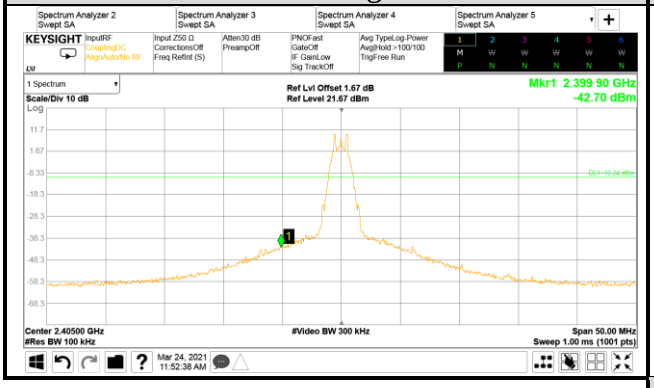
Reference Level



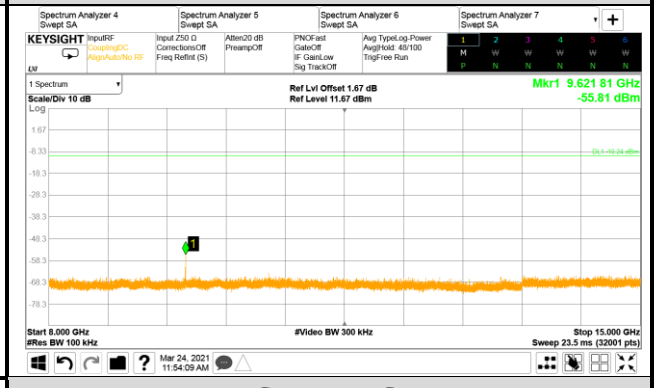
30MHz – 8GHz



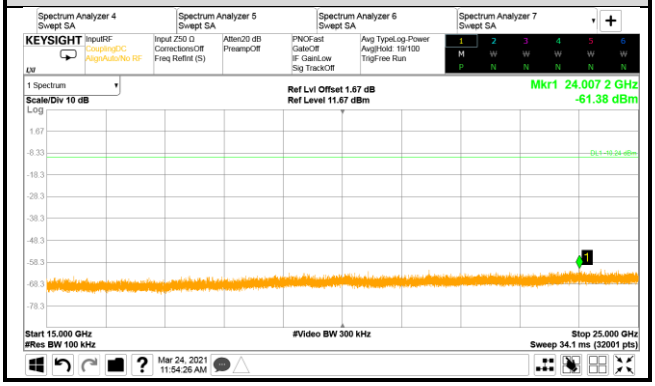
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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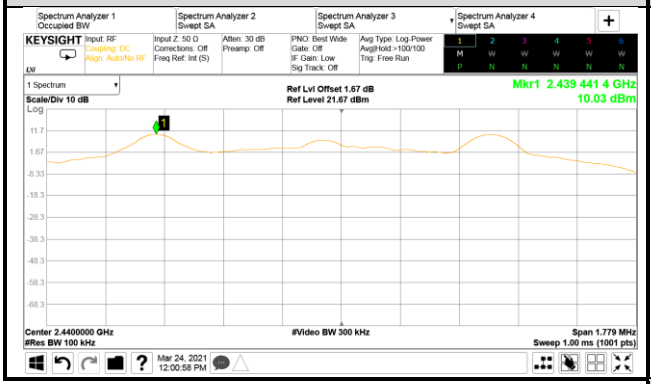
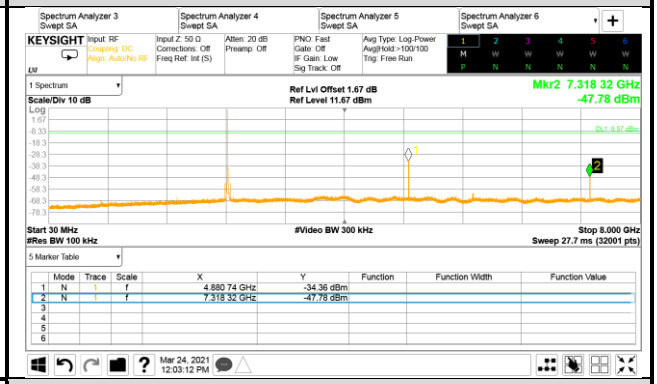
Test Date	2021/03/24	Temp./Hum.	20°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	ZigBee	Tested By	Sean Wang
Frequency	TX 2440MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

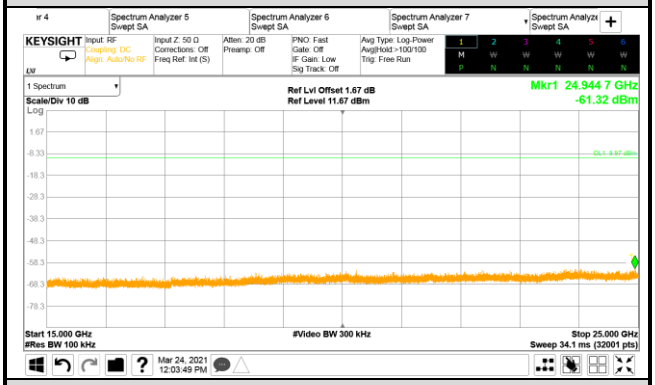
Reference Level



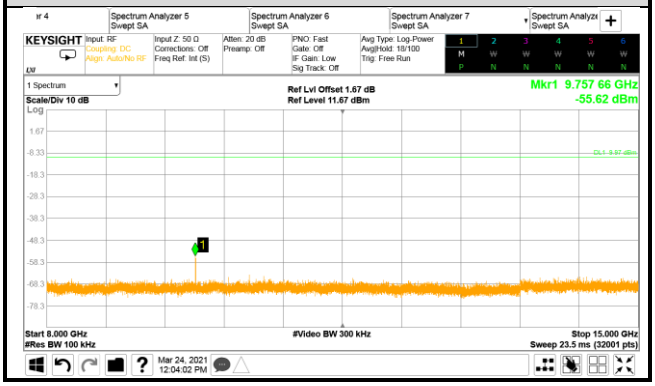
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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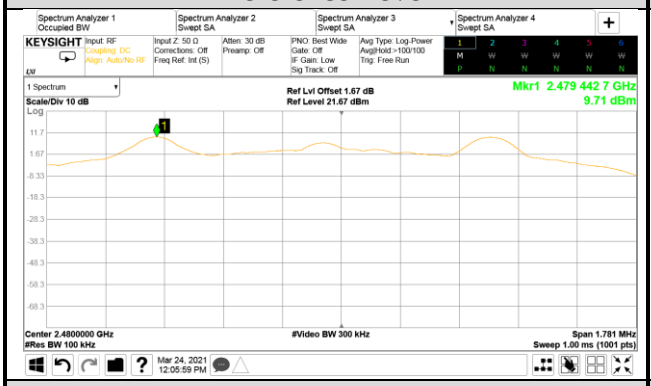
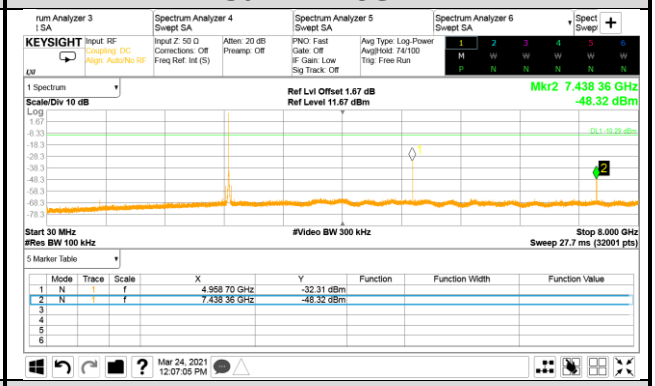
Test Date	2021/03/24	Temp./Hum.	20°C/63%
Cable Loss	1.67dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	ZigBee	Tested By	Sean Wang
Frequency	TX 2480MHz		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

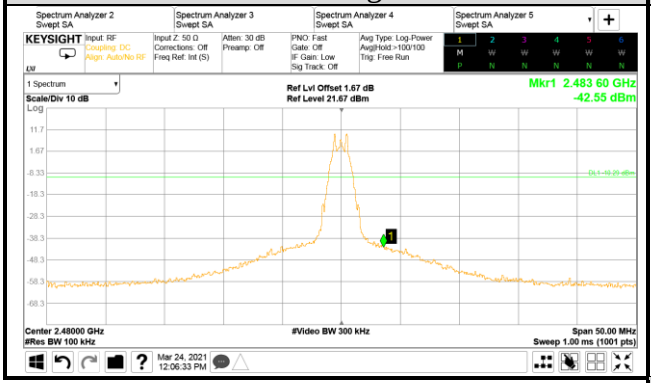
Reference Level



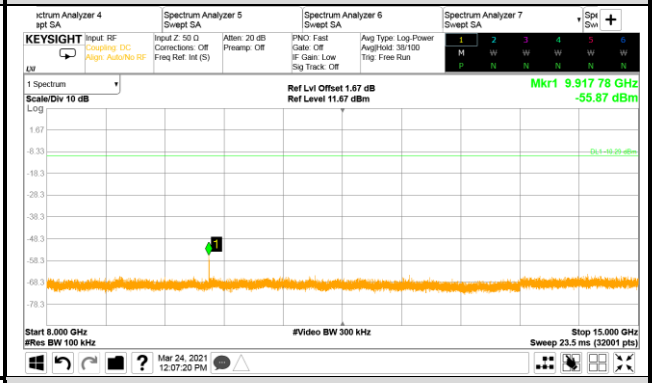
30MHz – 8GHz



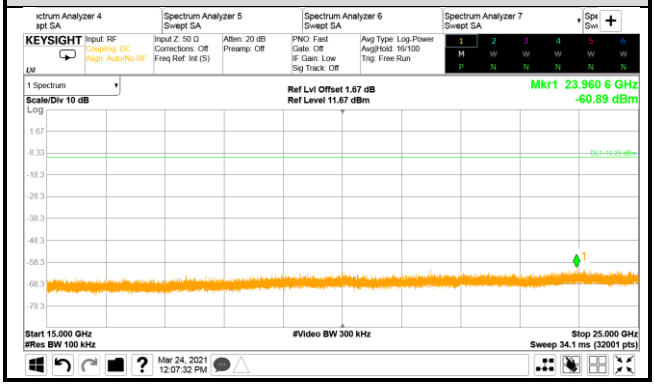
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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A.6 POWER SPECTRAL DENSITY

Test Date	2021/03/24 ~ 30	Temp./Hum.	20~25℃/60~63%
Cable Loss	1.67dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	-3.65	<8 dBm/3kHz
	2437	-3.62	
	2462	-3.69	
802.11g	2412	-7.01	
	2437	-7.11	
	2462	-7.20	
802.11n-HT20	2412	-7.93	
	2437	-7.62	
	2462	-7.54	

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-10.27	<8 dBm/3kHz
	2440	-11.20	
	2480	-12.13	

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
ZigBee	2405	4.57	<8 dBm/3kHz
	2437	4.87	
	2480	4.56	

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

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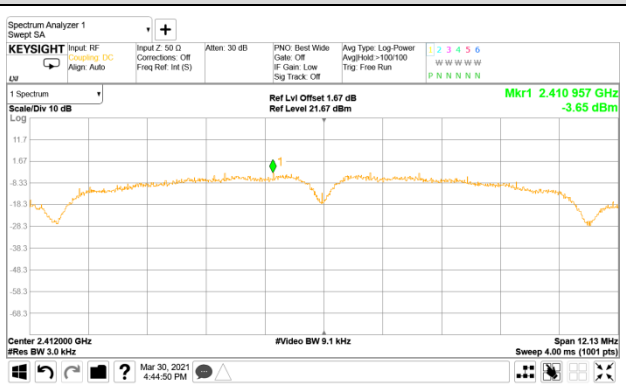
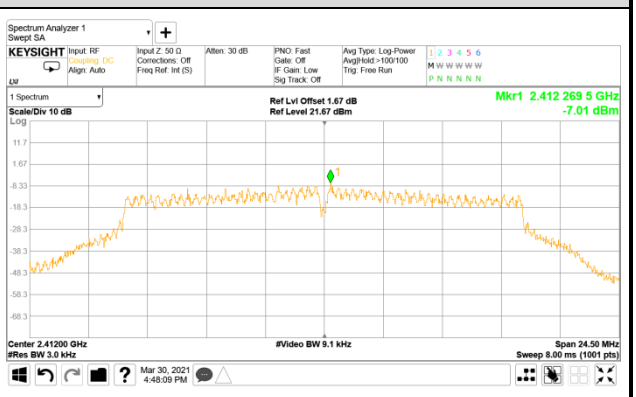
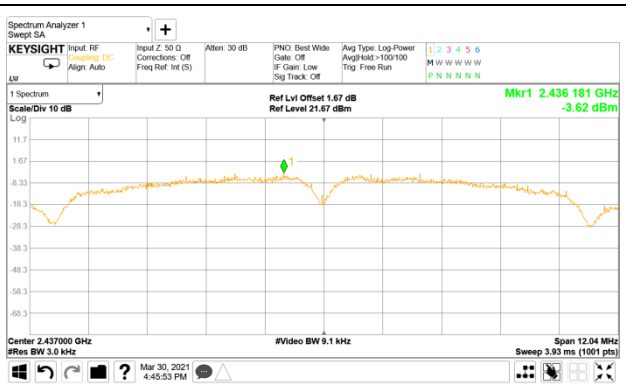
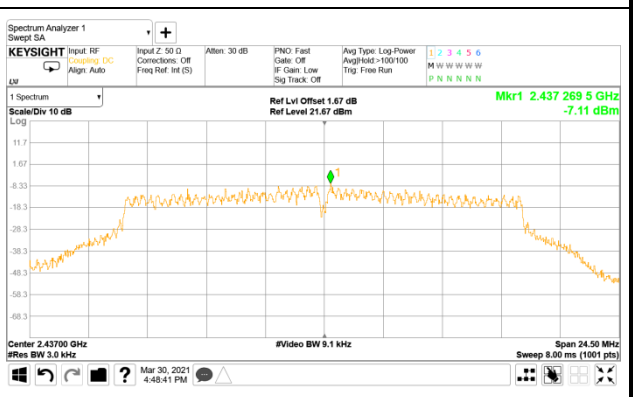
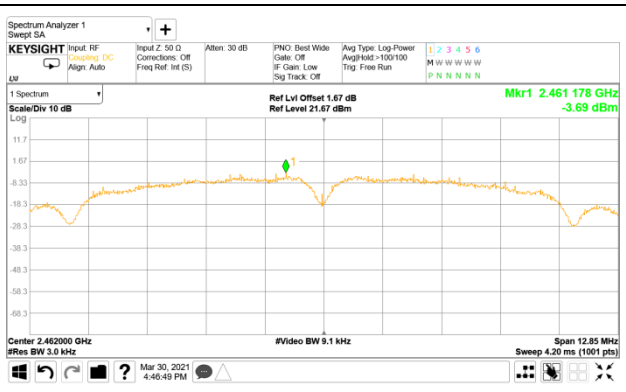
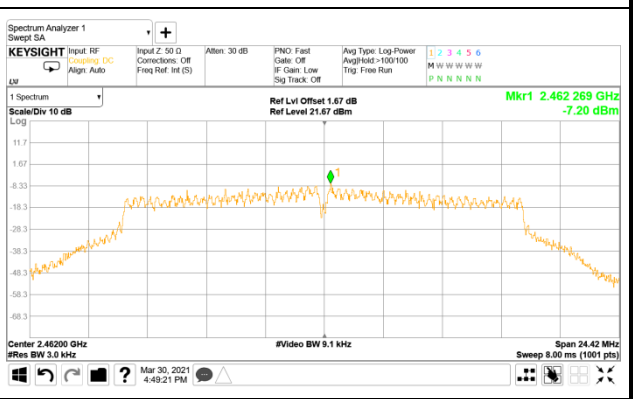
A.6.2 Measurement Plots

802.11b	802.11g
	
	
	

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

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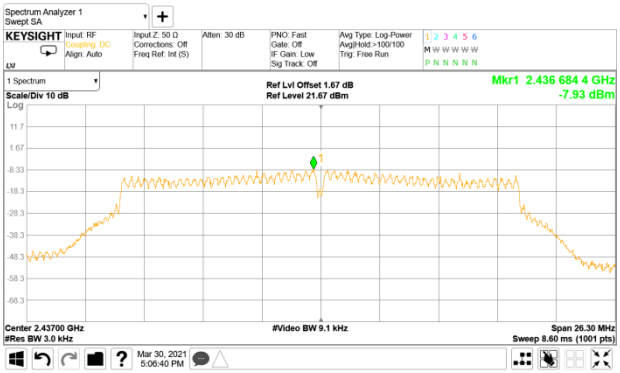
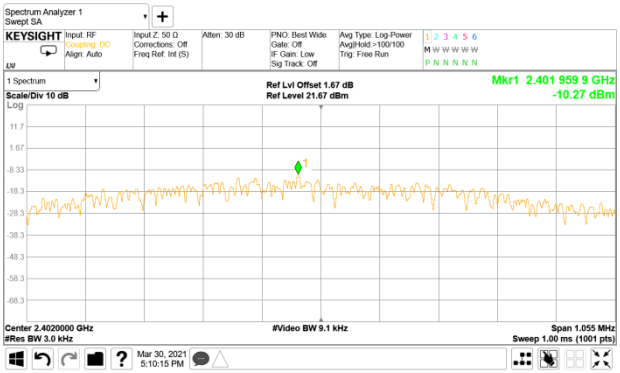
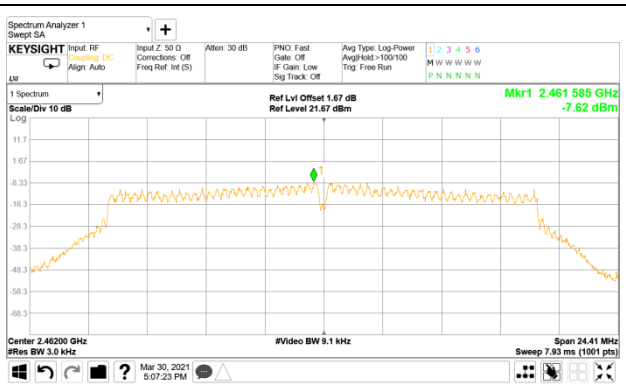
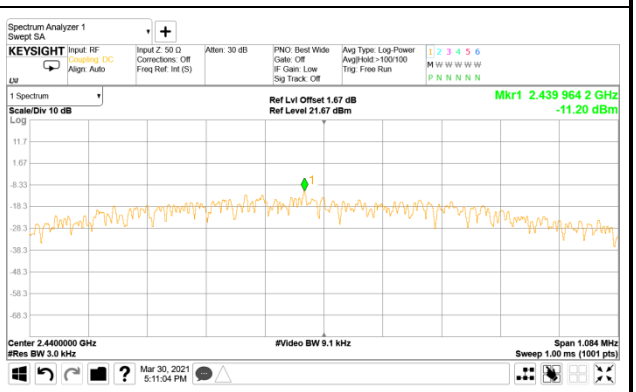
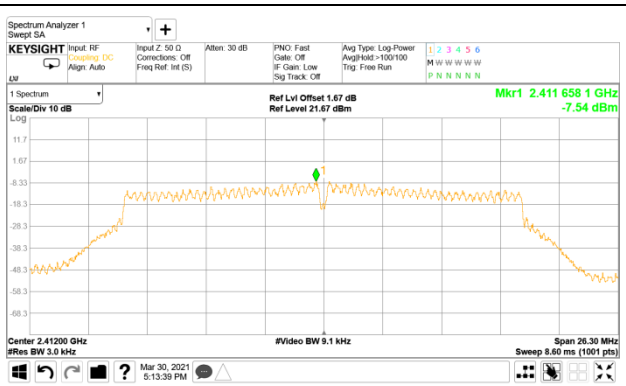
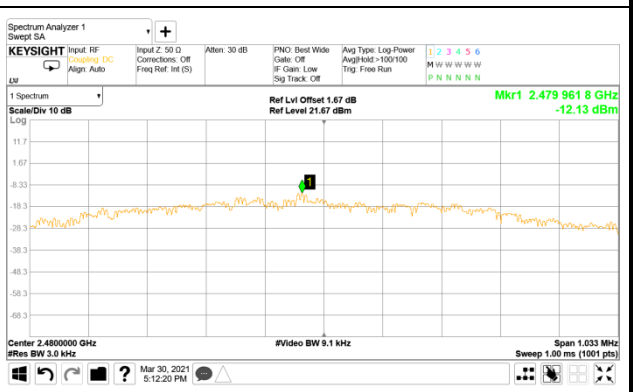
802.11n-HT20	BLE
	
	
	

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

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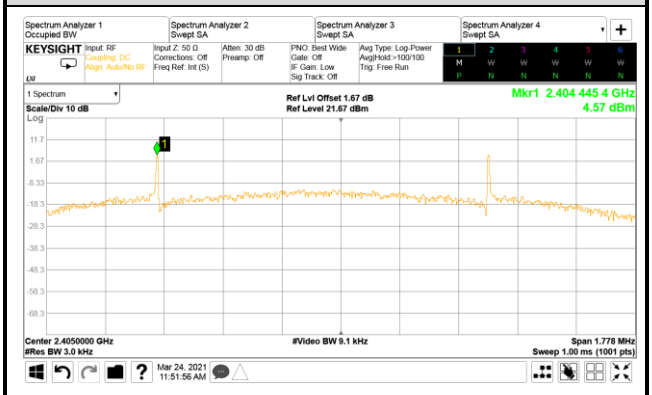
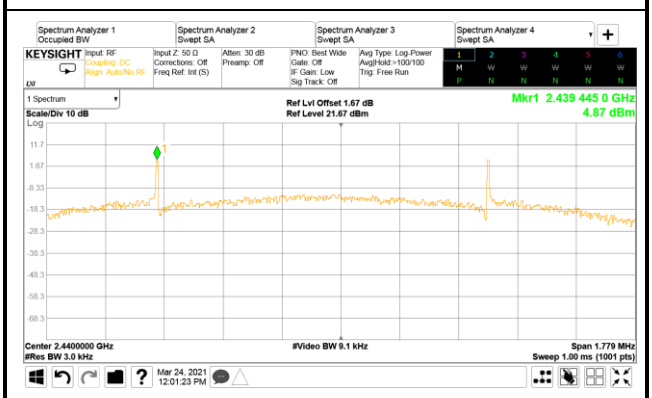
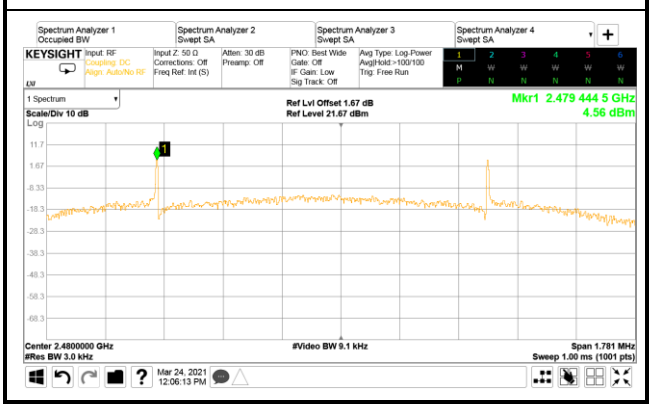
ZigBee




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

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