

A.6 POWER SPECTRAL DENSITY

Test Date	2022/03/15~22	Temp./Hum.	22~23℃/58~66%
Cable Loss	WLAN: 0.50dB, BLE: 0.80dB	Tested By	Hua Wu
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	-3.30	<8 dBm/3kHz
	2442	-2.53	
	2462	-3.32	
	2472	-7.92	
802.11g	2412	-7.65	
	2442	-3.28	
	2462	-7.71	
	2472	-11.98	
802.11n-HT20	2412	-5.76	
	2442	-4.56	
	2462	-6.24	
	2472	-13.03	
802.11n-HT40	2422	-8.57	
	2442	-8.96	
	2452	-9.80	
	2462	-15.82	
802.11ax-HE20	2412	-6.19	
	2442	-5.80	
	2462	-6.85	
	2472	-13.07	
802.11ax-HE40	2422	-10.67	
	2442	-10.25	
	2452	-9.94	
	2462	-16.02	

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

Mode	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm)	Limit
802.11ax-HE20	2412	26/0	-1.24	<8 dBm/3kHz
		52/37	-1.33	
		106/53	-5.04	
	2472	26/8	-13.85	
		52/40	-14.54	
		106/54	-14.97	
802.11ax-HE40	2422	242/61	-7.71	<8 dBm/3kHz
	2462	242/62	-11.01	

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

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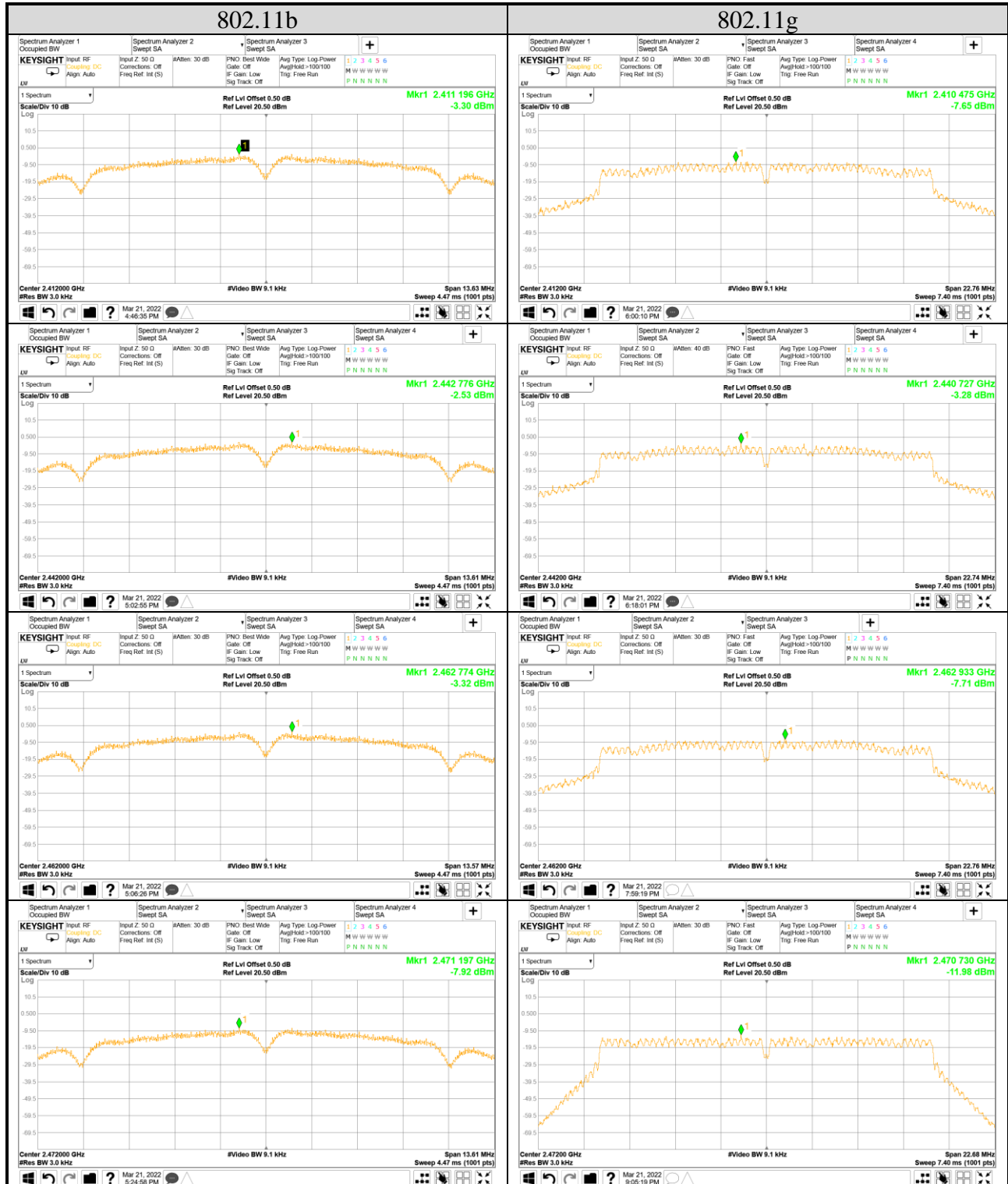
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.57	<8 dBm/3kHz
	2440	-11.64	
	2480	-10.97	

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

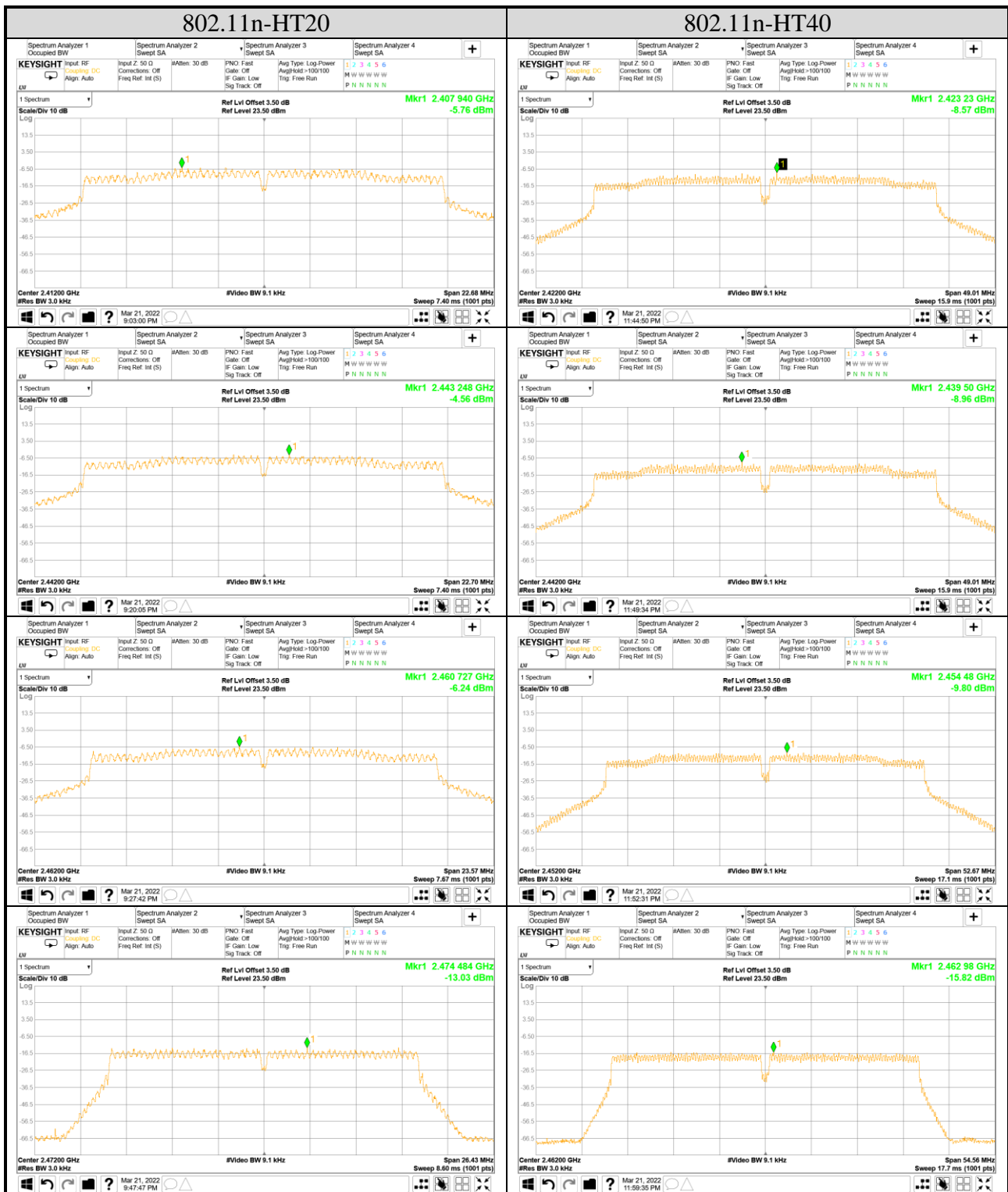
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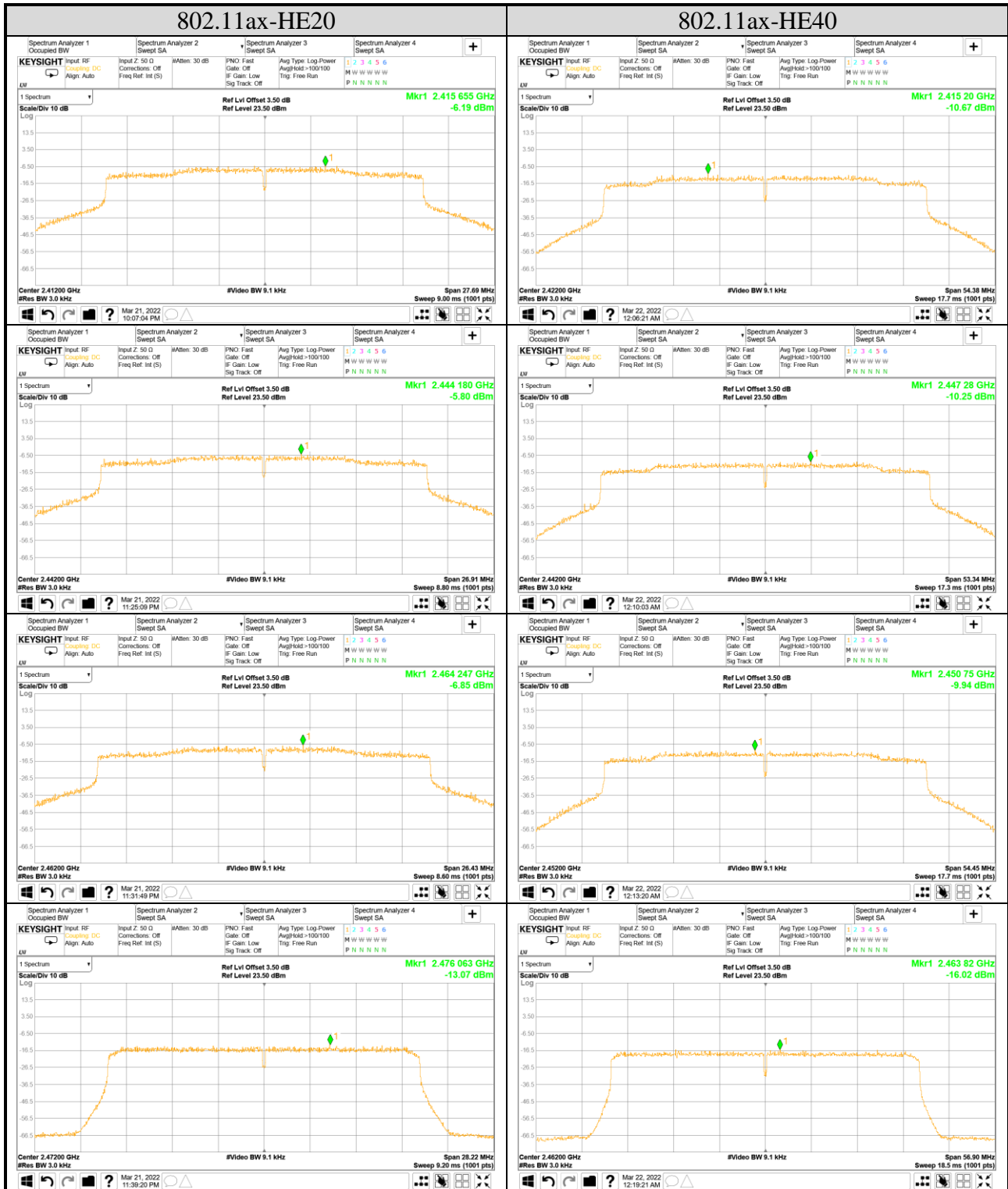
A.6.2 Measurement Plots



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



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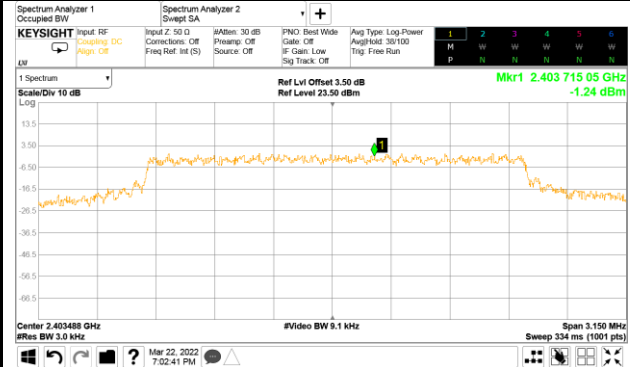


Note: All results have been included cable loss and Simultaneous Factor.

802.11ax-HE20

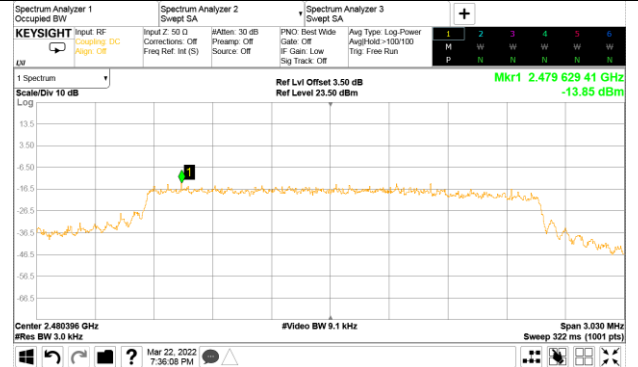
2412MHz

RU Configuration: 26/0

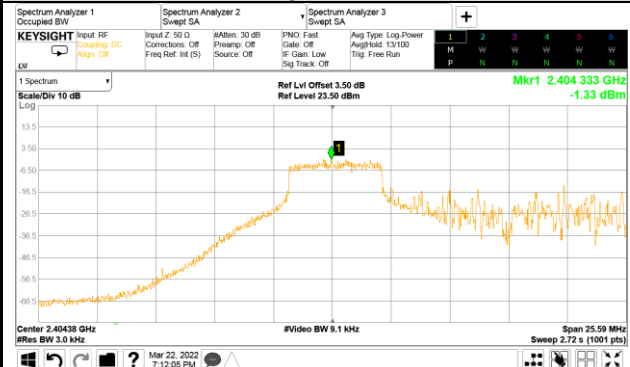


2472MHz

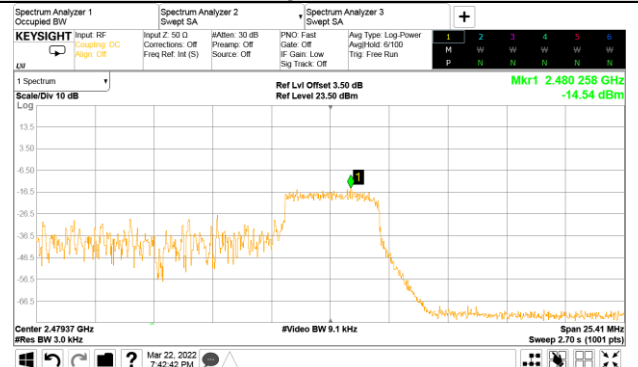
RU Configuration: 26/8



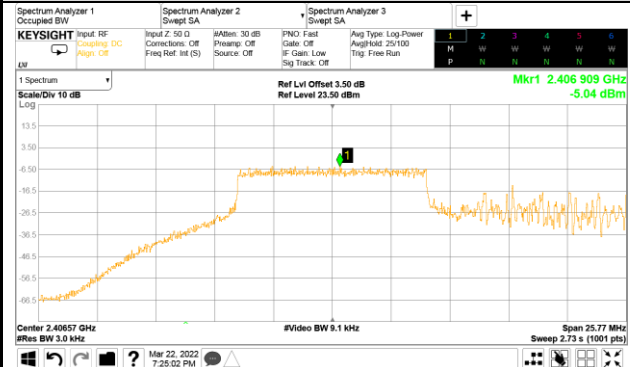
RU Configuration: 52/37



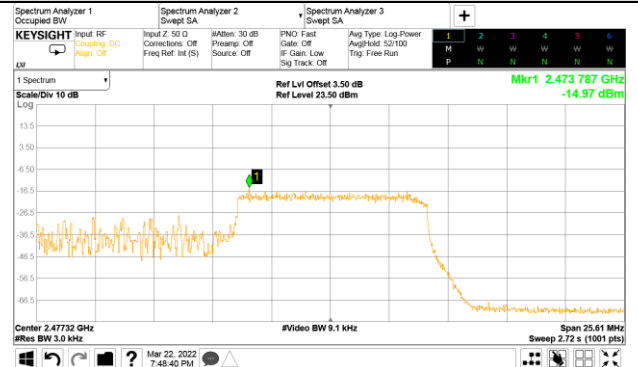
RU Configuration: 52/40



RU Configuration: 106/53



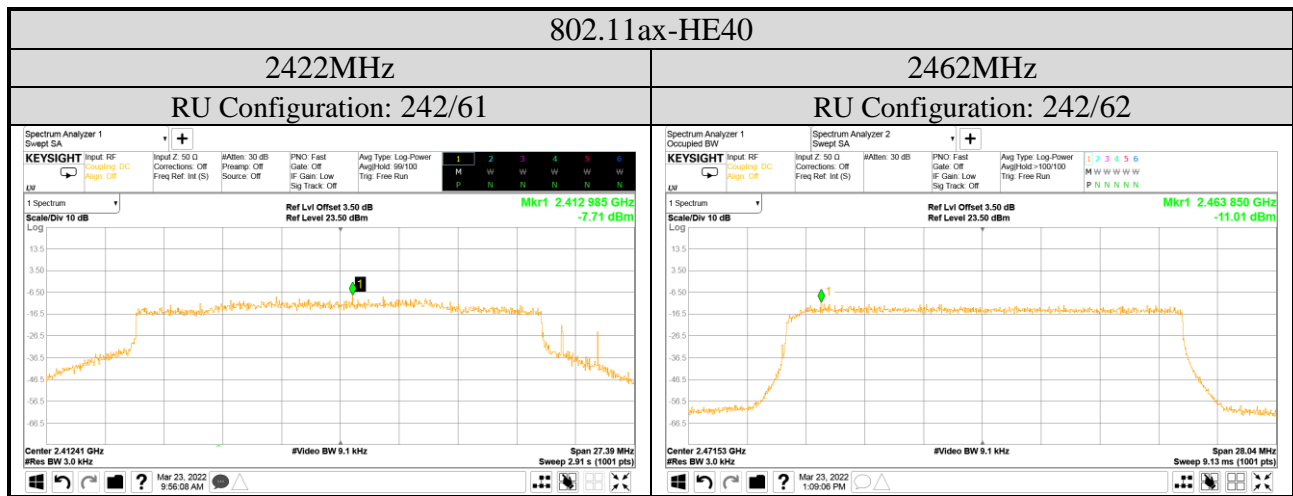
RU Configuration: 106/54



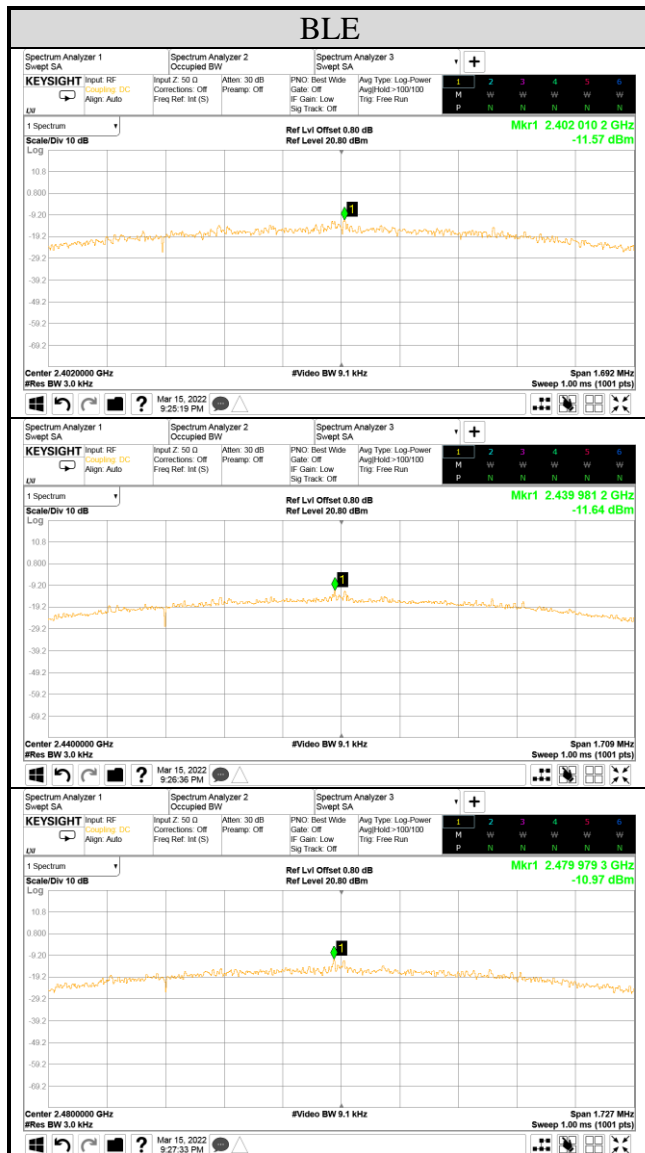
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