

A.6 POWER SPECTRAL DENSITY

Test Date	2019/11/29 ~ 12/09	Temp./Hum.	20 ~ 23°C / 47 ~ 53%
Cable Loss	0.8dB	Tested By	Kuper Hsu
Test Voltage	DC 5V (via Test JIG)		
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)			802.11b/g: 3, 802.11n-HT20/40: 3, 802.11ax-HE20/40: 3, BLE: 0

A.6.1 Power Spectral Density Result

Chipset: MT7668AUN

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	5.49	<8 dBm/3kHz
	2437	3.09	
	2462	1.81	
	2472	-3.76	
802.11g	2412	-3.62	
	2437	-4.20	
	2462	-4.44	
	2472	-6.69	
802.11n-HT20	2412	-5.09	
	2437	-3.31	
	2462	-2.34	
	2472	-7.08	
802.11n-HT40	2422	-11.98	
	2437	-8.27	
	2452	-6.77	
	2462	-11.52	

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	-4.60	<8 dBm/3kHz
	2440	-4.58	
	2480	-4.91	

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

Chipset: MT7915DUN

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	5.57	<8 dBm/3kHz
	2437	4.71	
	2462	2.11	
	2472	-4.62	
802.11g	2412	-2.46	
	2437	-1.58	
	2462	-1.92	
	2472	-5.45	
802.11n-HT20	2412	-2.94	
	2437	-2.94	
	2462	-2.35	
	2472	-10.54	
802.11n-HT40	2422	-7.77	
	2437	-8.14	
	2452	-7.81	
	2462	-7.51	

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

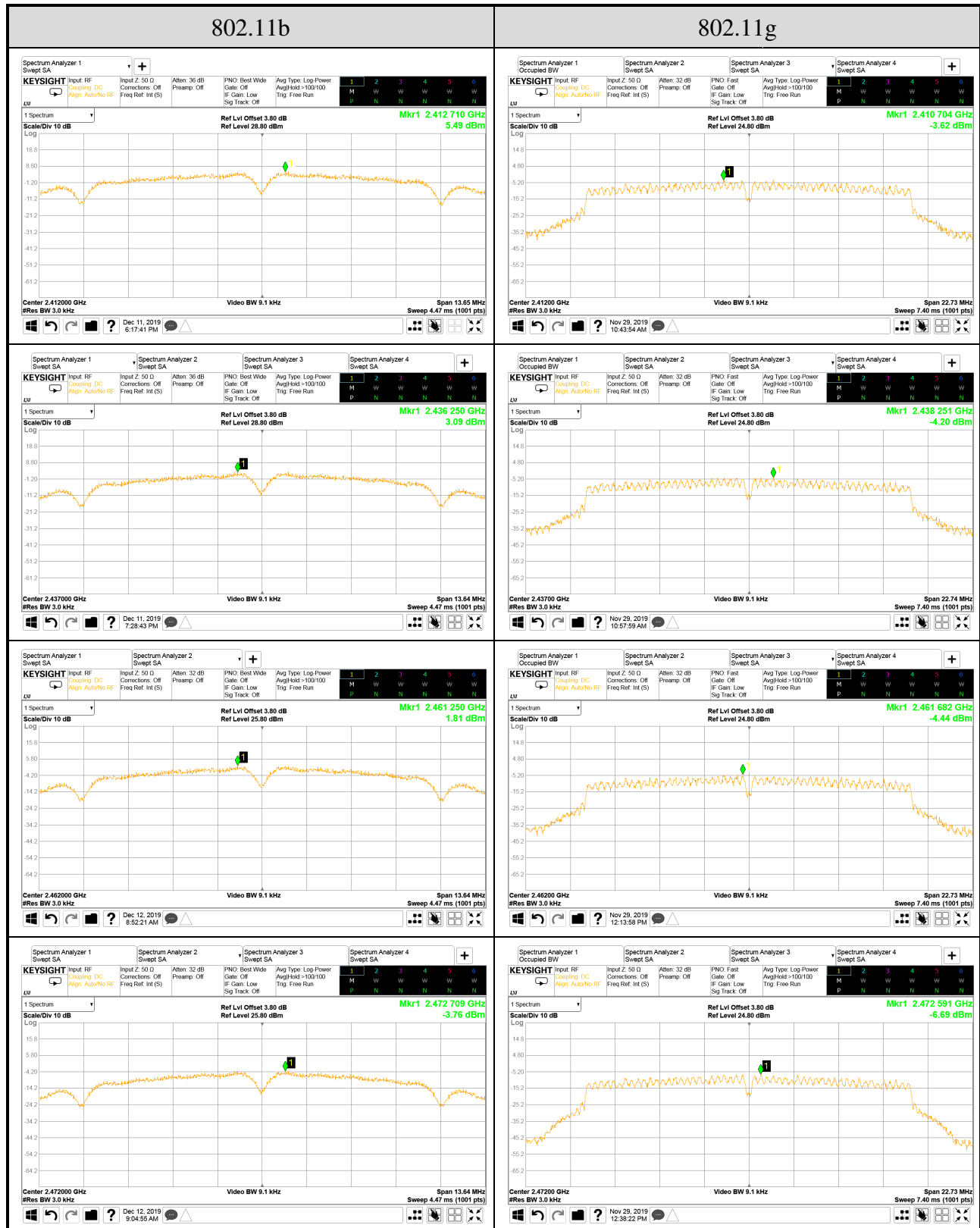
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11ax-HE20	2412	-5.39	<8 dBm/3kHz
	2437	-4.07	
	2462	-3.27	
	2472	-13.28	
802.11ax-HE40	2422	-8.34	
	2437	-7.49	
	2452	-8.45	
	2462	-11.44	

Mode	RU Config	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11ax-HE20	26/0	2412	4.56	<8 dBm/3kHz
	52/37		1.50	
	106/53		-1.19	
	26/8	2472	3.94	
	52/40		1.30	
	106/54		-1.18	
802.11ax-HE40	242/61	2422	-7.83	
	242/62	2462	-6.84	

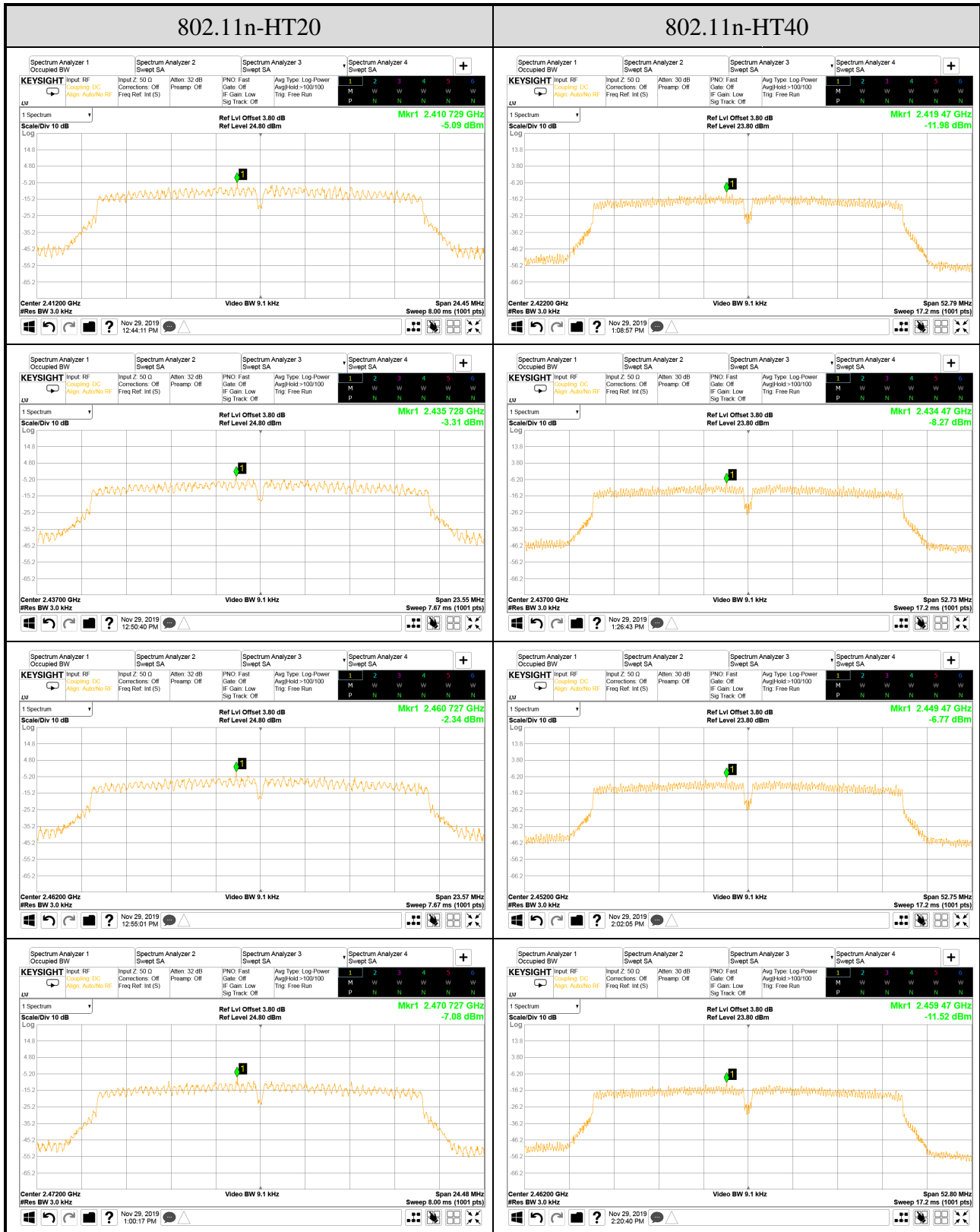
Note: All results have been included cable loss and Simultaneous Factor.

A.6.2 Measurement Plots

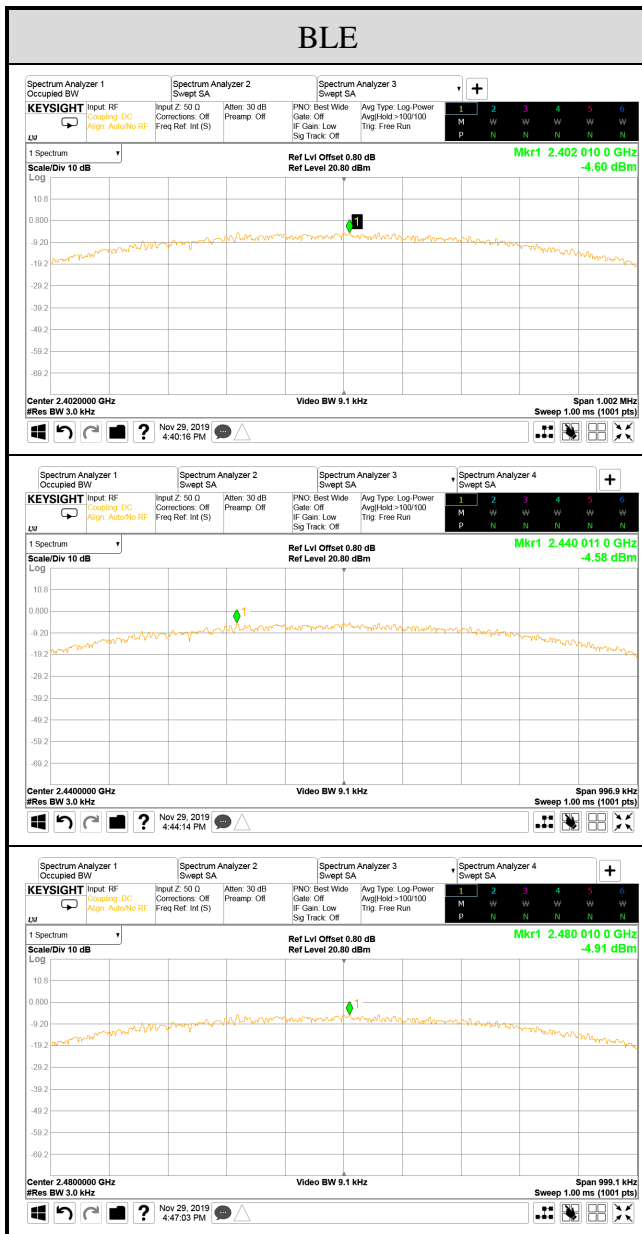
Chipset: MT7668AUN



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

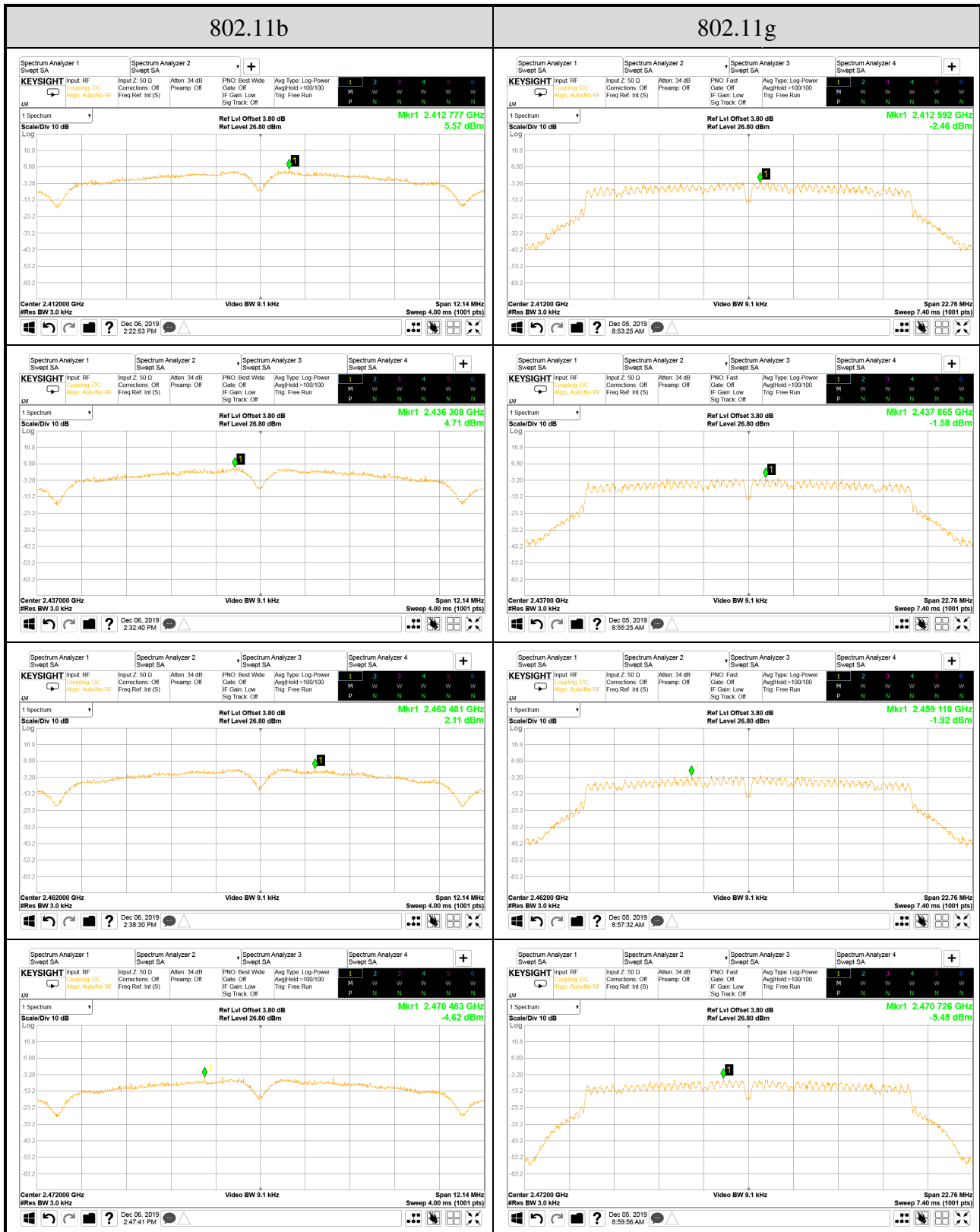


Note: All results have been included cable loss and Simultaneous Factor.

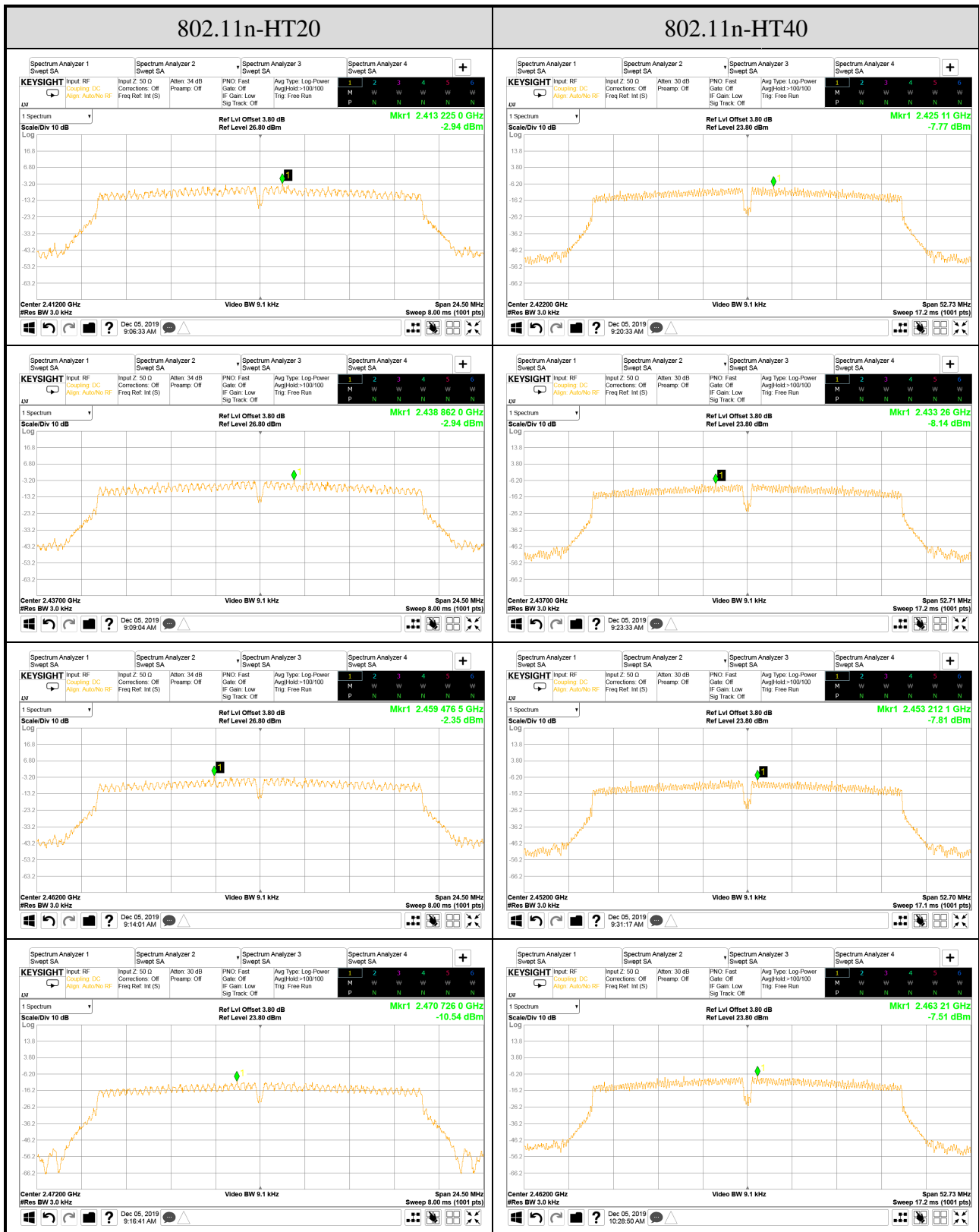


Note: All results have been included cable loss and Simultaneous Factor.

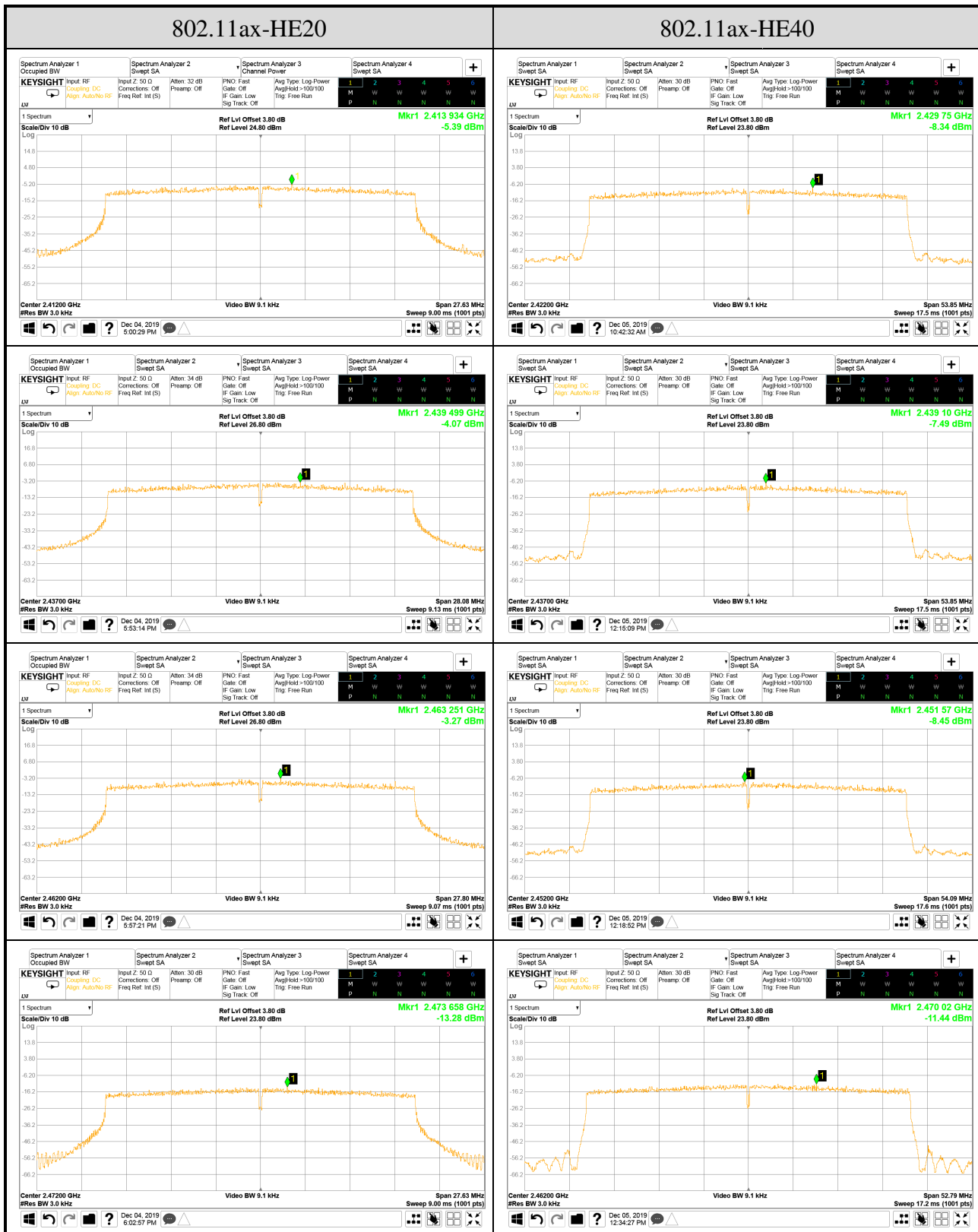
Chipset: MT7915DUN



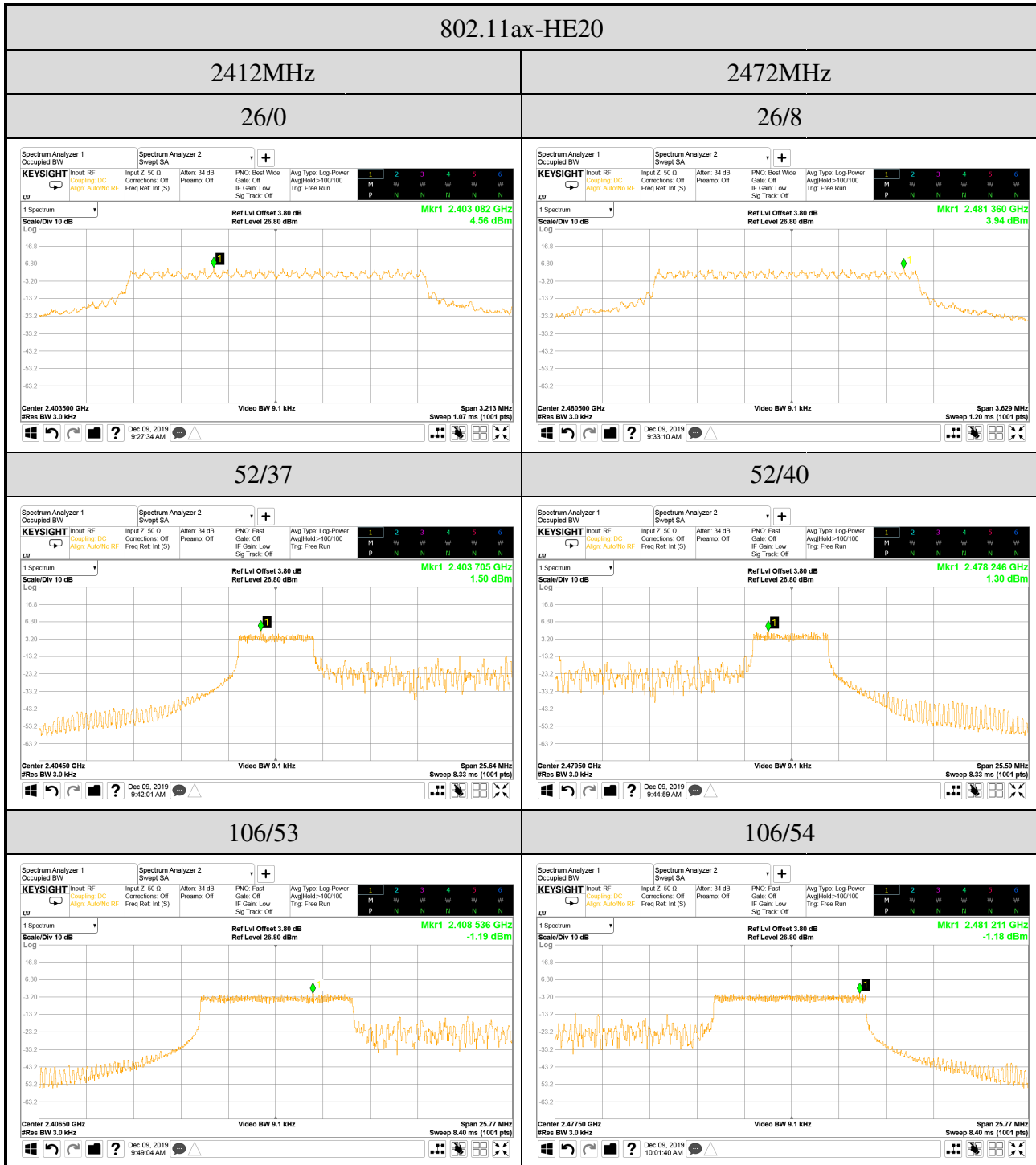
Note: All results have been included cable loss and Simultaneous Factor.



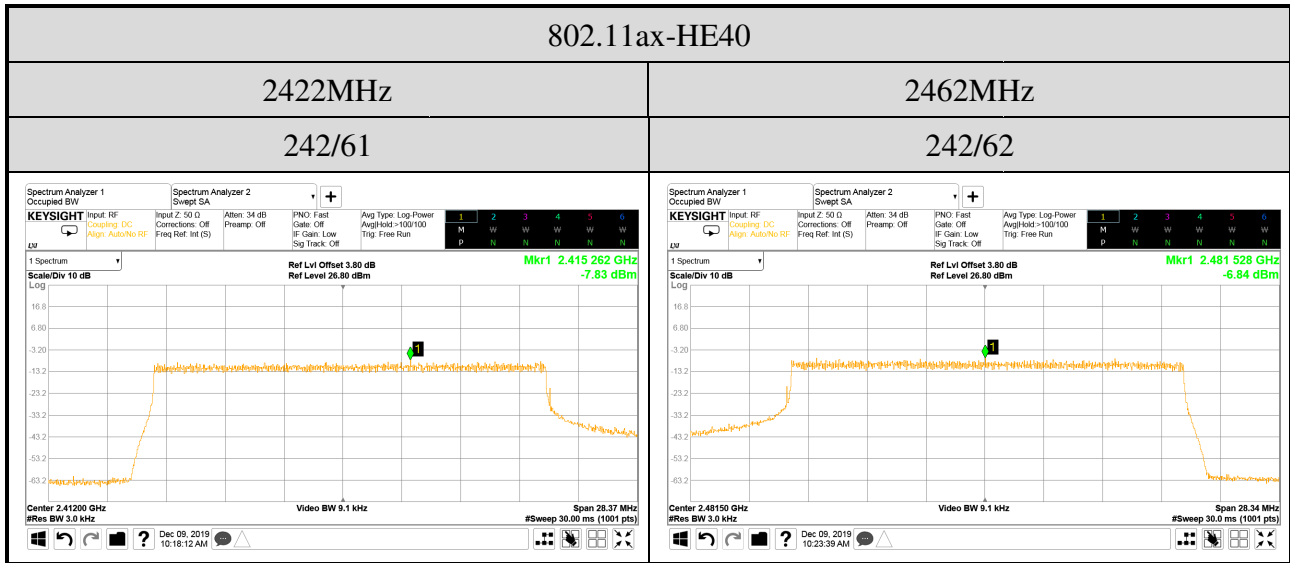
Note: All results have been included cable loss and Simultaneous Factor.



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