

A.6 POWER SPECTRAL DENSITY

Test Date	2022/07/15 ~20	Temp./Hum.	24~26°C/47~50%
Cable Loss	0.50dB	Tested By	Kuper Hsu
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11b	2412	-2.115	-2.310	-2.115	<8 dBm/3kHz
	2442	-2.181	-2.450	-2.181	
	2462	-1.937	-2.310	-1.937	
	2472	-5.262	-6.580	-5.262	
802.11g	2412	-5.944	-6.410	-5.944	
	2442	-2.656	-3.900	-2.656	
	2462	-6.178	-5.550	-5.550	
	2472	-11.582	-12.550	-11.582	

Note: 1. All results have been included cable loss.

2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) <small>Note 2</small>	Limit
		AUX	Main		
802.11n-HT20	2412	-6.991	-8.800	-4.792	<8 dBm/3kHz
	2442	-3.415	-5.310	-1.250	
	2462	-7.788	-9.390	-5.505	
	2472	-15.569	-17.680	-13.487	
802.11n-HT40	2422	-12.164	-11.270	-8.684	
	2442	-11.135	-12.650	-8.816	
	2452	-11.817	-13.670	-9.635	
	2462	-18.646	-18.300	-15.459	
802.11ax-HE20	2412	-10.270	-9.520	-6.869	
	2442	-4.940	-4.810	-1.864	
	2462	-10.040	-8.960	-6.456	
	2472	-17.810	-17.400	-14.590	
802.11ax-HE40	2422	-14.140	-13.670	-10.888	
	2442	-12.480	-13.040	-9.741	
	2452	-14.100	-13.580	-10.822	
	2462	-19.790	-20.200	-16.980	

Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) <small>Note 2</small>	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	0.910	0.920	3.925	<8 dBm/3kHz
	52/37		-0.190	-0.800	2.526	
	106/53		-4.050	-4.240	-1.134	
	26/8	2472	-11.110	-11.090	-8.090	
	52/40		-12.280	-11.910	-9.081	
	106/54		-15.230	-15.360	-12.284	
802.11ax-HE40	242/61	2422	-8.760	-8.490	-5.613	
	242/62	2462	-16.780	-17.040	-13.898	

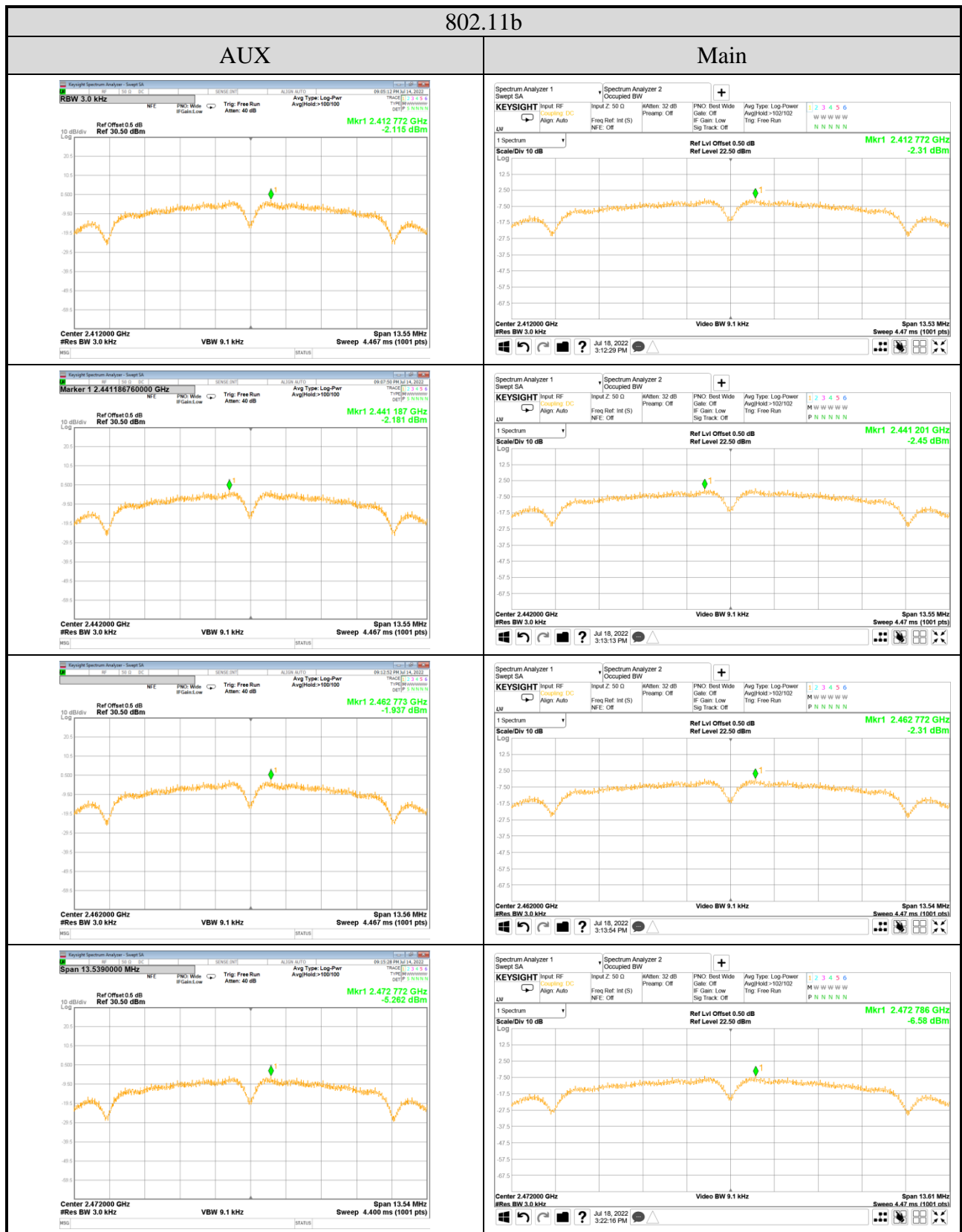
Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.406	<8 dBm/3kHz
	2440	-11.424	
	2480	-10.442	

Note: All results have been included cable loss.

A.6.2 Measurement Plots



Note: All results have been included cable loss.

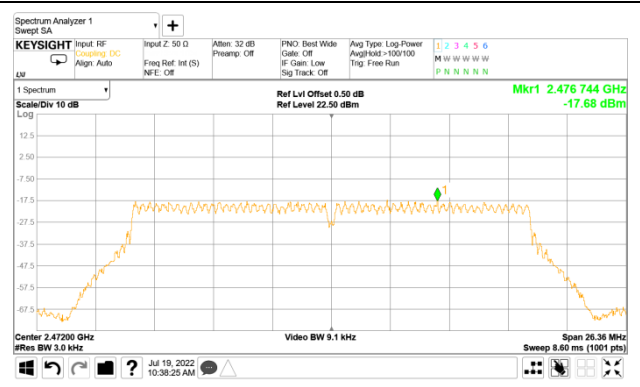
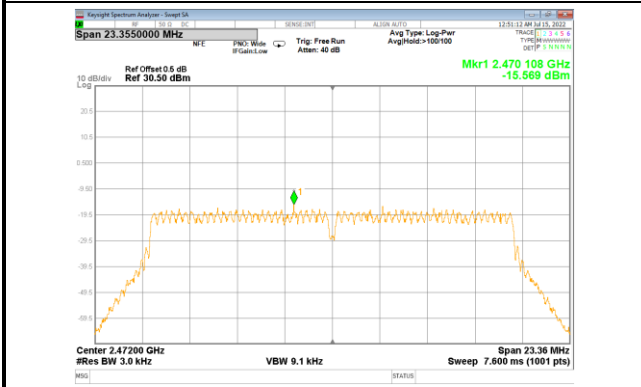
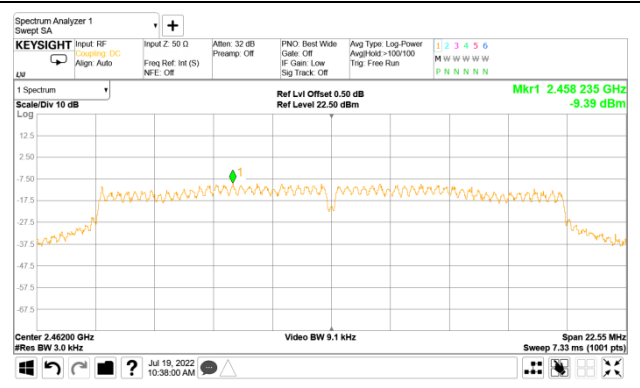
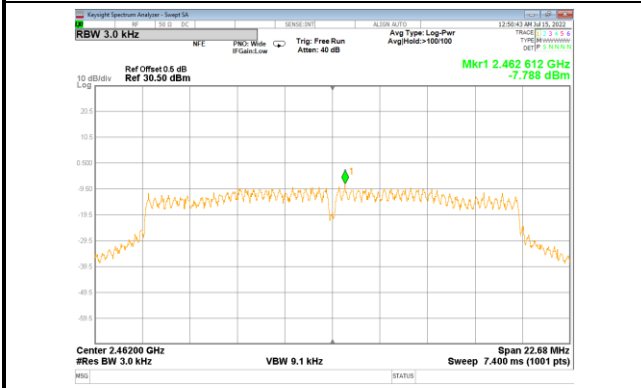
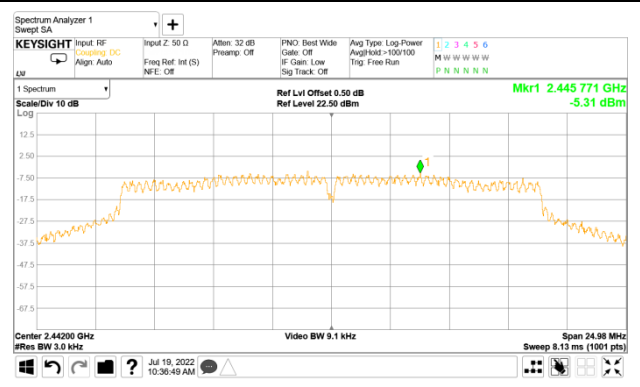
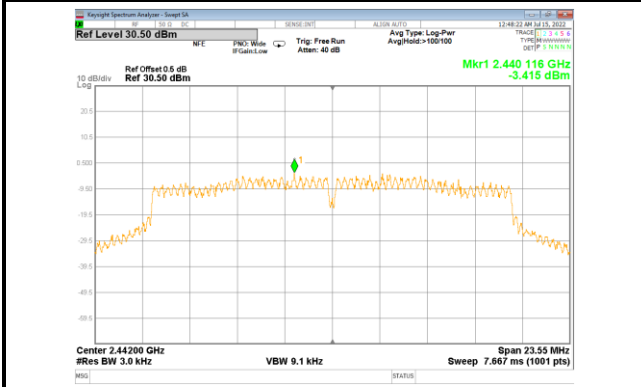
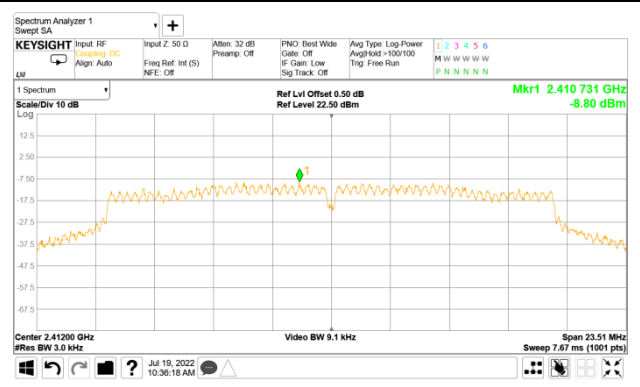
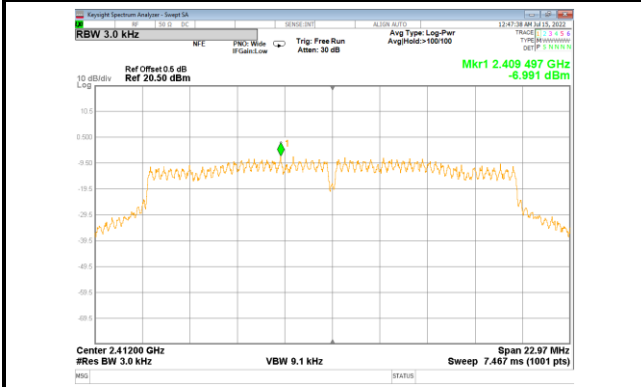


Note: All results have been included cable loss.

802.11n-HT20

AUX

Main



Note: All results have been included cable loss.