

Appendix A: Test Data

Duty cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11ax HE20	2412	10.000	10.000	100.000	0.000	0.010
802.11ax HE40	2422	10.000	10.000	100.000	0.000	0.010

2.4 GHz Band							
Mod.	CH	Freq. (MHz)	RF power setting in Test SW				Test SW Version
			Ant-0	Ant-1	Ant-2	Ant-3	
802.11ax HE20	1	2412	14.00	-	-	-	Terminal
802.11ax HE20	2	2417	16.00	-	-	-	
802.11ax HE20	3	2422	17.00	-	-	-	
802.11ax HE20	6	2437	19.00	-	-	-	
802.11ax HE20	11	2462	16.00	-	-	-	
802.11ax HE40	3	2422	14.00	-	-	-	
802.11ax HE40	6	2437	12.00	-	-	-	
802.11ax HE40	9	2452	14.00	-	-	-	

2.4 GHz Band								
Mod.	Freq. (MHz)	Freq. (MHz)	Single RU	RF power setting in Test SW				Test SW Version
				Ant-0	Ant-1	Ant-2	Ant-3	
802.11ax HE20	1	2412	26	3.00	-	-	-	Terminal
802.11ax HE20	6	2437	26	8.00	-	-	-	
802.11ax HE20	11	2462	26	5.00	-	-	-	
802.11ax HE40	3	2422	26	2.00	-	-	-	
802.11ax HE40	6	2437	26	2.00	-	-	-	
802.11ax HE40	9	2452	26	4.00	-	-	-	

2.4 GHz Band Config			
Mod.	Channel	Freq. (MHz)	Data Rate
802.11ax HE20	1	2412	MCS0
802.11ax HE20	2	2417	MCS0
802.11ax HE20	3	2422	MCS0
802.11ax HE20	6	2437	MCS0
802.11ax HE20	11	2462	MCS0
802.11ax HE40	3	2422	MCS0
802.11ax HE40	6	2437	MCS0
802.11ax HE40	9	2452	MCS0

2.4 GHz Band Config					
Mod.	Channel	Freq. (MHz)	Data Rate	Single RU	
				RU Config	RU Num.
802.11ax HE20	1	2412	MCS0	26	0
802.11ax HE20	6	2437	MCS0	26	0
802.11ax HE20	11	2462	MCS0	26	8
802.11ax HE40	3	2422	MCS0	26	0
802.11ax HE40	6	2437	MCS0	26	0
802.11ax HE40	9	2452	MCS0	26	17

2.4 GHz Band															
Mod.	CH	Freq. (MHz)	Avg Conducted Power (dBm)				Peak Conducted Power (dBm)				Conducted Power Limit (dBm)				
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	
802.11ax HE20	1	2412	12.98	-	-	-	23.66	-	-	-	30.00	-	-	-	
802.11ax HE20	2	2417	15.02	-	-	-	23.90	-	-	-	30.00	-	-	-	
802.11ax HE20	3	2422	16.02	-	-	-	23.97	-	-	-	30.00	-	-	-	
802.11ax HE20	6	2437	19.01	-	-	-	24.17	-	-	-	30.00	-	-	-	
802.11ax HE20	11	2462	15.09	-	-	-	23.97	-	-	-	30.00	-	-	-	
802.11ax HE40	3	2422	12.83	-	-	-	23.64	-	-	-	30.00	-	-	-	
802.11ax HE40	6	2437	10.77	-	-	-	22.53	-	-	-	30.00	-	-	-	
802.11ax HE40	9	2452	12.66	-	-	-	23.69	-	-	-	30.00	-	-	-	
2.4 GHz Band															
Mod.	CH	Freq. (MHz)	Single RU	Avg Conducted Power (dBm)				Peak Conducted Power (dBm)				Conducted Power Limit (dBm)			
				Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
802.11ax HE20	1	2412	26	1.70	-	-	-	13.89	-	-	-	30.00	-	-	-
802.11ax HE20	6	2437	26	6.35	-	-	-	18.32	-	-	-	30.00	-	-	-
802.11ax HE20	11	2462	26	3.66	-	-	-	15.20	-	-	-	30.00	-	-	-
802.11ax HE40	3	2422	26	-0.29	-	-	-	12.12	-	-	-	30.00	-	-	-
802.11ax HE40	6	2437	26	-0.10	-	-	-	11.80	-	-	-	30.00	-	-	-
802.11ax HE40	9	2452	26	1.36	-	-	-	13.95	-	-	-	30.00	-	-	-

6 dB Bandwidth						
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)				6 dB Bandwidth Min.Limit (kHz)
		Ant-0	Ant-1	Ant-2	Ant-3	
802.11ax HE20	2412	18400	-	-	-	≥ 500
802.11ax HE20	2417	18430	-	-	-	≥ 500
802.11ax HE20	2422	18410	-	-	-	≥ 500
802.11ax HE20	2437	18380	-	-	-	≥ 500
802.11ax HE20	2462	18590	-	-	-	≥ 500
802.11ax HE40	2422	37430	-	-	-	≥ 500
802.11ax HE40	2437	37360	-	-	-	≥ 500
802.11ax HE40	2452	37420	-	-	-	≥ 500

99 % Occupied BW					
Mod.	Freq. (MHz)	99 % Occupied BW (MHz)			
		Ant-0	Ant-1	Ant-2	Ant-3
802.11ax HE20	2412	18.772	-	-	-
802.11ax HE20	2417	18.795	-	-	-
802.11ax HE20	2422	18.838	-	-	-
802.11ax HE20	2437	19.179	-	-	-
802.11ax HE20	2462	18.802	-	-	-
802.11ax HE40	2422	37.648	-	-	-
802.11ax HE40	2437	37.696	-	-	-
802.11ax HE40	2452	37.701	-	-	-

Maximum Power Spectral Density Measurement

Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)				Max.Limit (dBm/ 3 kHz)				
		Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3	
802.11ax HE20	2412	-12.67	-	-	-	8.00	-	-	-	
802.11ax HE20	2417	-11.33	-	-	-	8.00	-	-	-	
802.11ax HE20	2422	-10.31	-	-	-	8.00	-	-	-	
802.11ax HE20	2437	-7.56	-	-	-	8.00	-	-	-	
802.11ax HE20	2462	-11.24	-	-	-	8.00	-	-	-	
802.11ax HE40	2422	-14.60	-	-	-	8.00	-	-	-	
802.11ax HE40	2437	-15.82	-	-	-	8.00	-	-	-	
802.11ax HE40	2452	-14.34	-	-	-	8.00	-	-	-	
Mod.	Freq. (MHz)	Single-RU	Measurement (dBm/3 kHz)				Max.Limit (dBm/ 3 kHz)			
			Ant-0	Ant-1	Ant-2	Ant-3	Ant-0	Ant-1	Ant-2	Ant-3
802.11ax HE20	2412	26	-12.89	-	-	-	8.00	-	-	-
802.11ax HE20	2437	26	-7.99	-	-	-	8.00	-	-	-
802.11ax HE20	2462	26	-11.34	-	-	-	8.00	-	-	-
802.11ax HE40	2422	26	-15.08	-	-	-	8.00	-	-	-
802.11ax HE40	2437	26	-16.05	-	-	-	8.00	-	-	-
802.11ax HE40	2452	26	-14.52	-	-	-	8.00	-	-	-