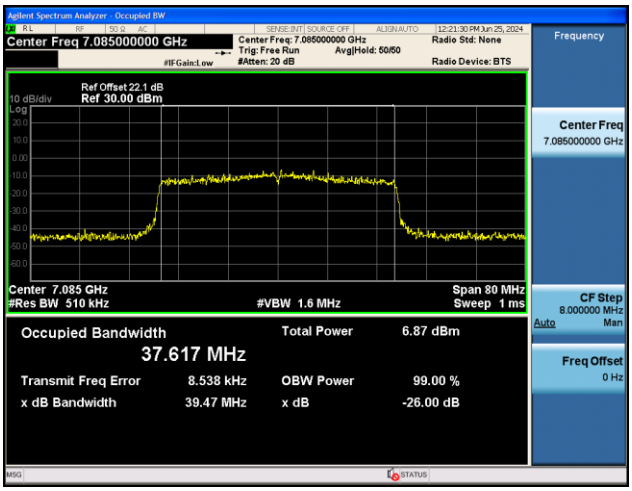
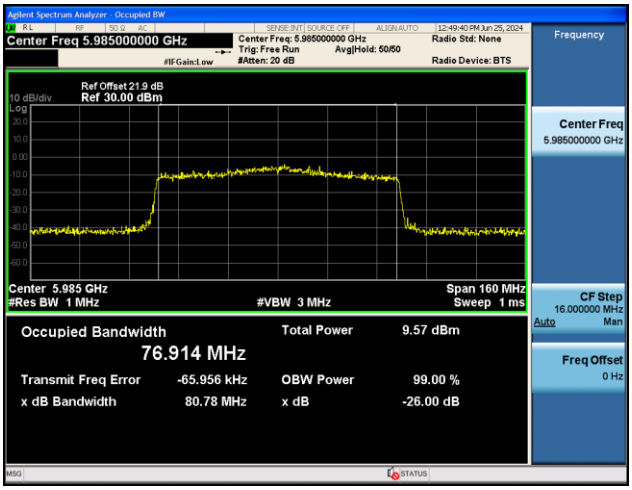
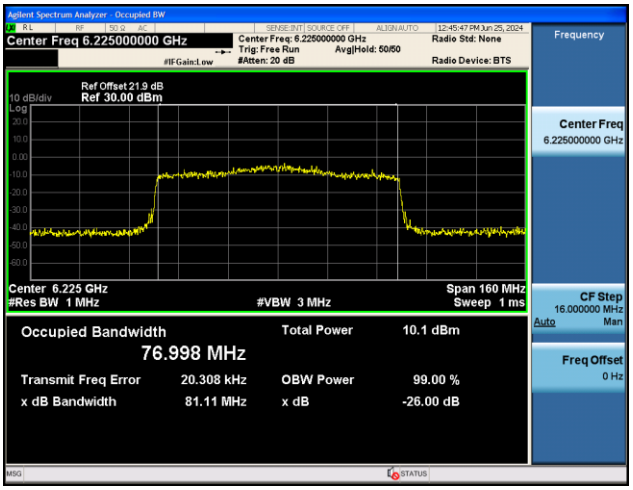
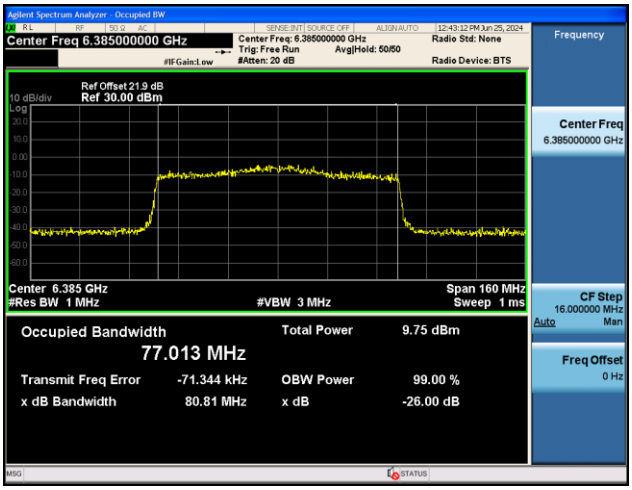
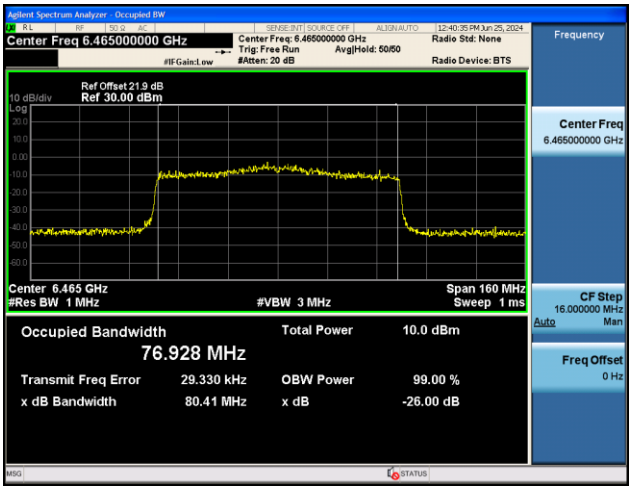
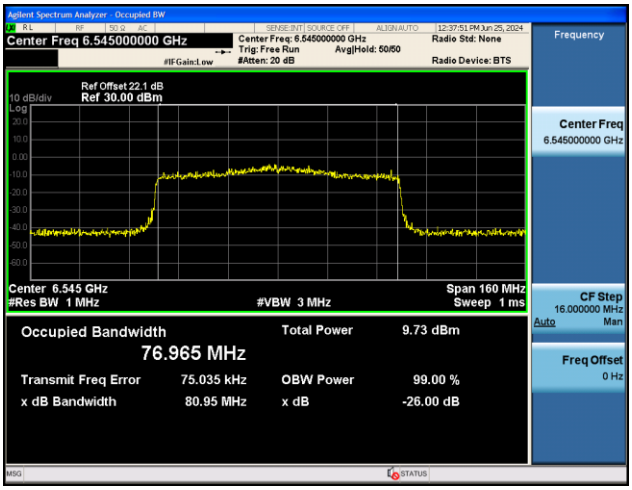
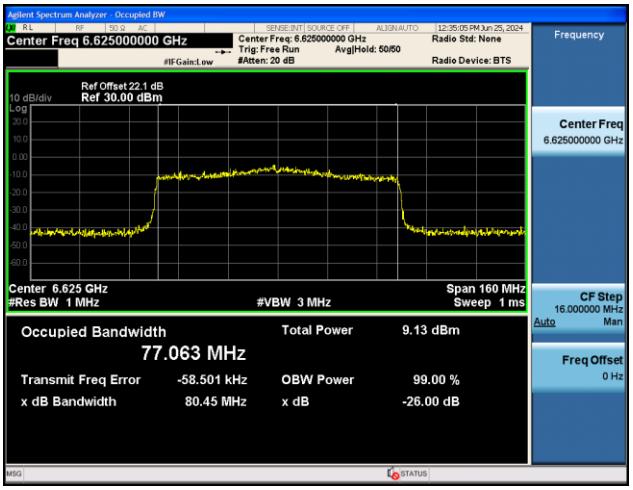
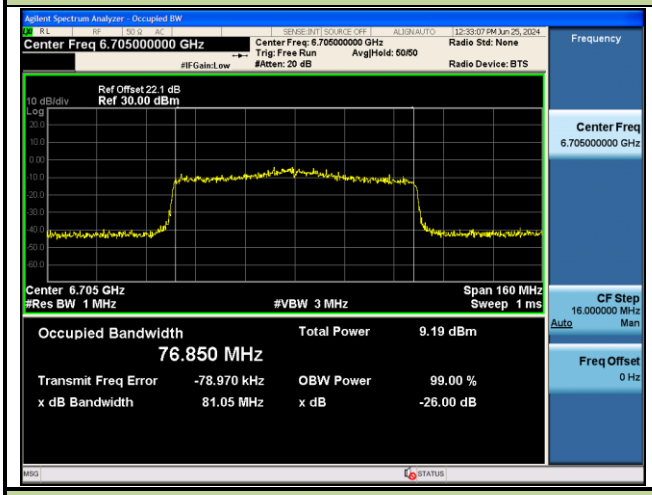
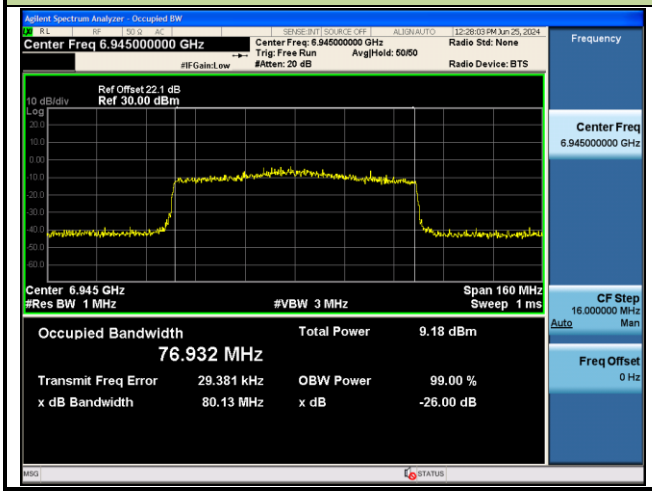
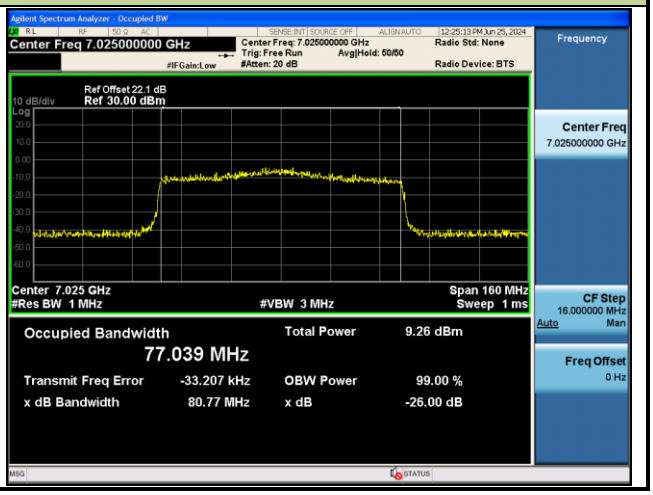
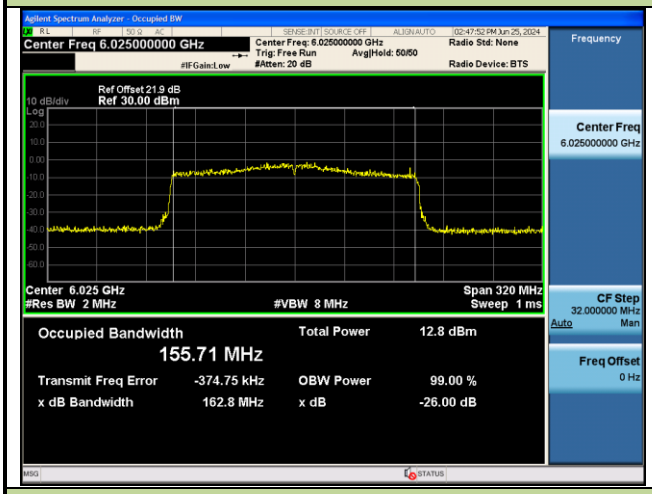
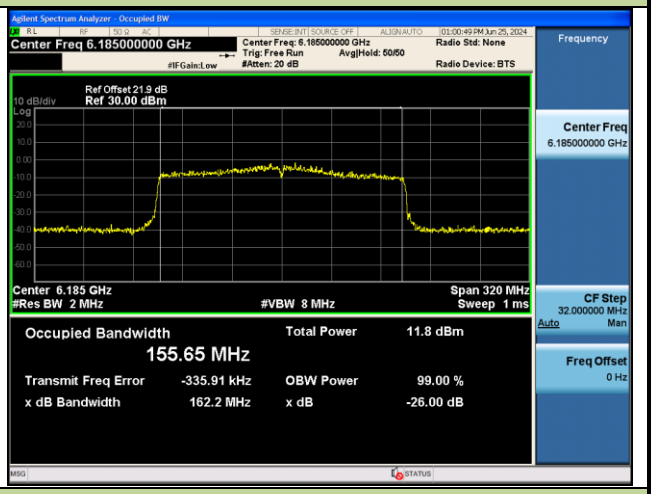
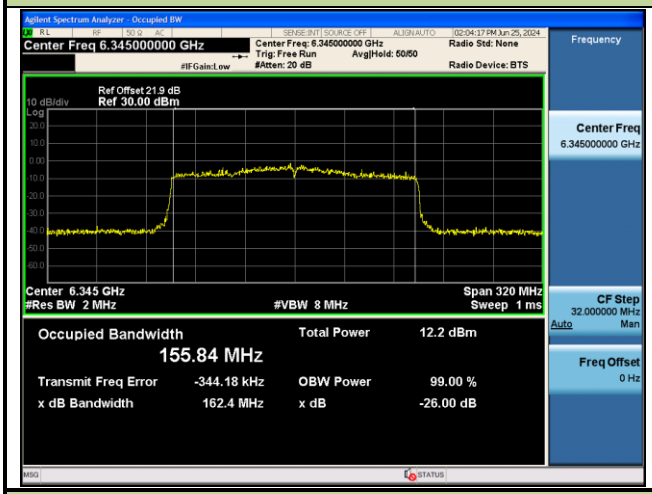
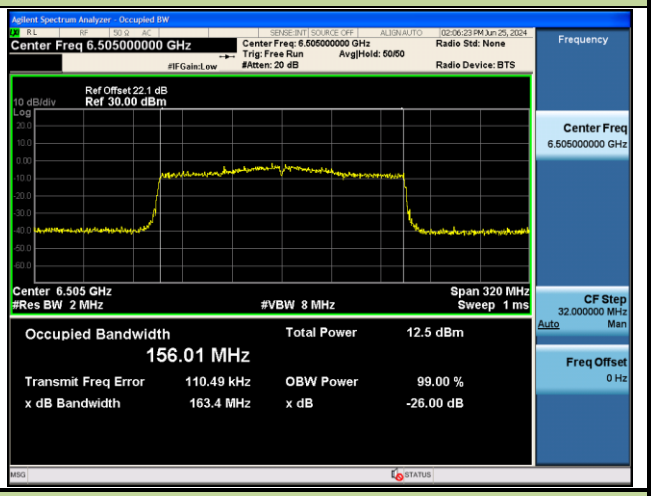
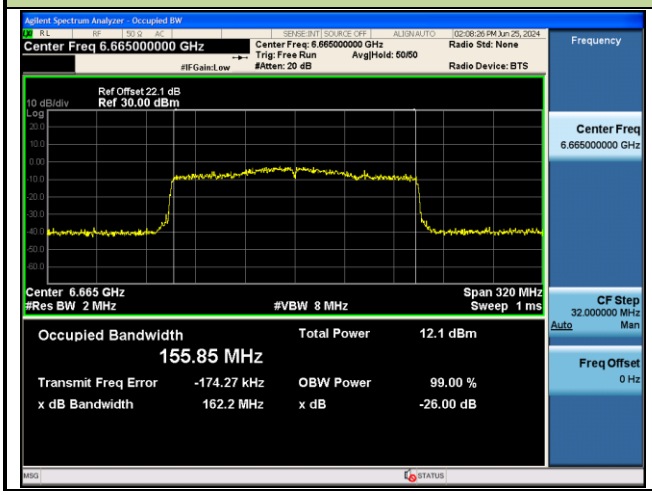
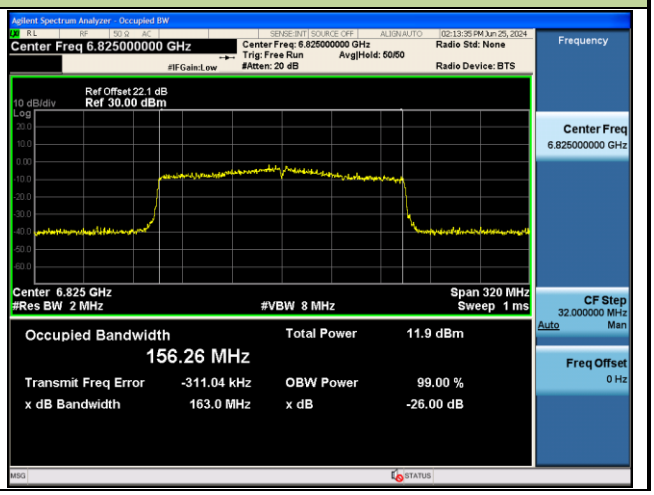
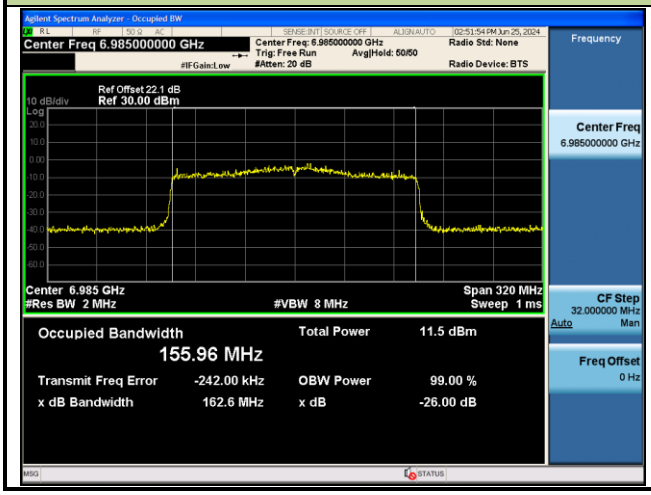
Channel 227 (7085MHz)	
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 7 (5985MHz)	Channel 55 (6225MHz)
	
Channel 87 (6385MHz)	Channel 103 (6465MHz)
	
Channel 119 (6545MHz)	Channel 135 (6625MHz)
	

Channel 151 (6705MHz)	Channel 183 (6865MHz)
	
Channel 199 (6945MHz)	**Channel 215 (7025MHz)**
	

802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 15 (6025MHz)	Channel 47 (6185MHz)
	
Channel 79 (6345MHz)	Channel 111 (6505MHz)
	
Channel 143 (6665MHz)	Channel 175 (6825MHz)
	

Channel 207 (6985MHz)	
	

6.3. Output Power

6.3.1. Test Limit

For an indoor access point operating in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

6.3.2. Test Procedure Used

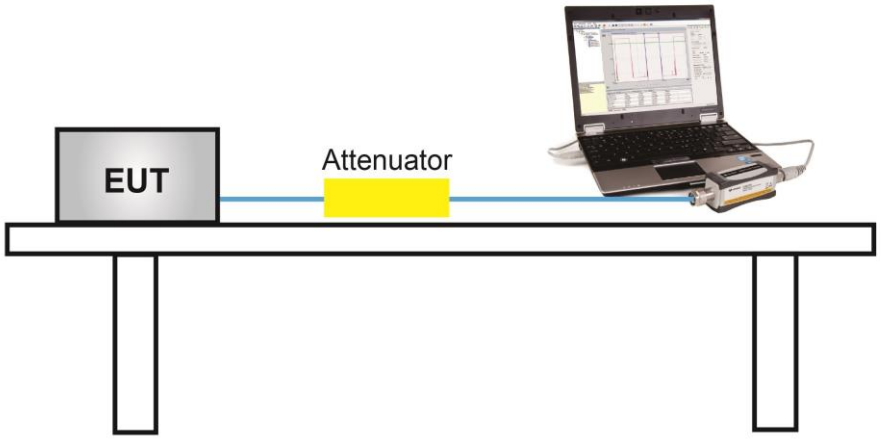
KDB 789033D02v02r01- Section E)3)b) Method PM-G

6.3.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Test Site	SR6	Test Engineer	Wen
Test Date	2024/7/17~2024/7/18		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power(dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1			
CDD mode								
11a	MCS0	2	5935	-2.34	0.18	3.00	5.11	≤ 24.00
11a	MCS0	1	5955	-1.67	0.47	3.00	5.54	≤ 24.00
11a	MCS0	49	6195	-1.55	0.42	3.00	5.56	≤ 24.00
11a	MCS0	93	6415	-1.98	0.47	3.00	5.43	≤ 24.00
11a	MCS0	97	6435	-1.28	0.38	3.00	5.64	≤ 24.00
11a	MCS0	105	6475	-1.32	0.47	3.00	5.68	≤ 24.00
11a	MCS0	113	6515	-1.13	0.44	3.00	5.74	≤ 24.00
11a	MCS0	117	6535	-1.76	-0.51	4.00	5.92	≤ 24.00
11a	MCS0	153	6715	-2.18	-0.74	4.00	5.61	≤ 24.00
11a	MCS0	181	6855	-2.04	-0.91	4.00	5.57	≤ 24.00
11a	MCS0	185	6875	-2.23	-1.01	3.90	5.33	≤ 24.00
11a	MCS0	189	6895	-1.58	-0.74	3.90	5.77	≤ 24.00
11a	MCS0	213	7015	-2.17	0.24	3.90	6.11	≤ 24.00
11a	MCS0	229	7095	-1.87	-0.11	3.90	6.01	≤ 24.00
11a	MCS0	233	7115	-2.29	-0.18	3.90	5.80	≤ 24.00
11ax-HE20	MCS0	2	5935	-8.92	-6.78	3.00	-1.71	≤ 24.00
11ax-HE20	MCS0	1	5955	-1.46	1.04	3.00	5.98	≤ 24.00
11ax-HE20	MCS0	49	6195	-0.87	1.32	3.00	6.37	≤ 24.00
11ax-HE20	MCS0	93	6415	-1.04	1.47	3.00	6.40	≤ 24.00
11ax-HE20	MCS0	97	6435	-0.68	1.15	3.00	6.34	≤ 24.00
11ax-HE20	MCS0	105	6475	-0.54	0.97	3.00	6.29	≤ 24.00
11ax-HE20	MCS0	113	6515	-0.37	0.99	3.00	6.37	≤ 24.00
11ax-HE20	MCS0	117	6535	-1.52	0.21	4.00	6.44	≤ 24.00
11ax-HE20	MCS0	153	6715	-1.44	-0.24	4.00	6.21	≤ 24.00
11ax-HE20	MCS0	181	6855	-1.31	-0.15	4.00	6.32	≤ 24.00
11ax-HE20	MCS0	185	6875	-1.40	-0.25	3.90	6.12	≤ 24.00
11ax-HE20	MCS0	189	6895	-1.27	-0.44	3.90	6.08	≤ 24.00
11ax-HE20	MCS0	213	7015	-1.99	0.03	3.90	6.05	≤ 24.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1			
CDD mode								
11ax-HE20	MCS0	229	7095	-2.09	0.01	3.90	6.00	≤ 24.00
11ax-HE20	MCS0	233	7115	-7.32	-7.61	3.90	-0.55	≤ 24.00
11ax-HE40	MCS0	3	5965	1.19	3.80	3.00	8.70	≤ 24.00
11ax-HE40	MCS0	51	6205	3.01	4.48	3.00	9.82	≤ 24.00
11ax-HE40	MCS0	91	6405	2.49	5.26	3.00	10.10	≤ 24.00
11ax-HE40	MCS0	99	6445	2.73	5.26	3.00	10.19	≤ 24.00
11ax-HE40	MCS0	107	6485	2.66	4.96	3.00	9.97	≤ 24.00
11ax-HE40	MCS0	115	6525	2.40	4.55	3.00	9.62	≤ 24.00
11ax-HE40	MCS0	123	6565	1.73	3.09	4.00	9.47	≤ 24.00
11ax-HE40	MCS0	147	6685	1.64	2.29	4.00	8.99	≤ 24.00
11ax-HE40	MCS0	179	6845	1.63	2.47	4.00	9.08	≤ 24.00
11ax-HE40	MCS0	187	6885	0.78	2.27	3.90	8.50	≤ 24.00
11ax-HE40	MCS0	195	6925	1.23	2.48	3.90	8.81	≤ 24.00
11ax-HE40	MCS0	211	7005	0.97	2.43	3.90	8.67	≤ 24.00
11ax-HE40	MCS0	227	7085	0.29	2.47	3.90	8.43	≤ 24.00
11ax-HE80	MCS0	7	5985	4.19	5.86	3.00	11.12	≤ 24.00
11ax-HE80	MCS0	55	6225	4.96	6.36	3.00	11.73	≤ 24.00
11ax-HE80	MCS0	87	6385	3.90	6.49	3.00	11.40	≤ 24.00
11ax-HE80	MCS0	103	6465	4.19	6.33	3.00	11.40	≤ 24.00
11ax-HE80	MCS0	119	6545	3.77	5.73	3.00	10.87	≤ 24.00
11ax-HE80	MCS0	135	6625	3.49	5.31	4.00	11.50	≤ 24.00
11ax-HE80	MCS0	151	6705	2.91	4.90	4.00	11.03	≤ 24.00
11ax-HE80	MCS0	183	6865	3.61	4.48	4.00	11.08	≤ 24.00
11ax-HE80	MCS0	199	6945	3.17	5.06	3.90	11.13	≤ 24.00
11ax-HE80	MCS0	215	7025	2.86	5.11	3.90	11.04	≤ 24.00
11ax-HE160	MCS0	15	6025	6.12	7.98	3.00	13.16	≤ 24.00
11ax-HE160	MCS0	47	6185	6.51	8.43	3.00	13.59	≤ 24.00
11ax-HE160	MCS0	79	6345	6.55	8.35	3.00	13.55	≤ 24.00
11ax-HE160	MCS0	111	6505	8.49	8.44	3.00	14.48	≤ 24.00
11ax-HE160	MCS0	143	6665	6.43	7.94	4.00	14.26	≤ 24.00
11ax-HE160	MCS0	175	6825	7.93	7.08	4.00	14.54	≤ 24.00
11ax-HE160	MCS0	207	6985	7.32	6.75	3.90	13.95	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE20	26 Tone	RU 0	MCS0	1	5955	-5.79	-3.68	3.00	1.40	≤ 24.00
11ax-HE20		RU 8	MCS0	93	6415	-6.12	-3.39	3.00	1.47	≤ 24.00
11ax-HE20		RU 0	MCS0	97	6435	-5.39	-3.43	3.00	1.71	≤ 24.00
11ax-HE20		RU 8	MCS0	113	6515	-5.33	-3.84	3.00	1.49	≤ 24.00
11ax-HE20		RU 0	MCS0	117	6535	-6.21	-4.47	4.00	1.76	≤ 24.00
11ax-HE20		RU 8	MCS0	181	6855	-6.27	-5.25	4.00	1.28	≤ 24.00
11ax-HE20		RU 0	MCS0	189	6895	-6.35	-4.84	3.90	1.38	≤ 24.00
11ax-HE20		RU 8	MCS0	233	7115	-21.33	-23.28	3.90	-15.29	≤ 24.00
11ax-HE20	52 Tone	RU 74	MCS0	1	5955	-3.81	-1.33	3.00	3.61	≤ 24.00
11ax-HE20		RU 77	MCS0	93	6415	-3.42	-1.07	3.00	3.92	≤ 24.00
11ax-HE20		RU 74	MCS0	97	6435	-2.38	-0.53	3.00	4.65	≤ 24.00
11ax-HE20		RU 77	MCS0	113	6515	-2.21	-0.98	3.00	4.46	≤ 24.00
11ax-HE20		RU 74	MCS0	117	6535	-3.73	-1.92	4.00	4.28	≤ 24.00
11ax-HE20		RU 77	MCS0	181	6855	-4.22	-2.97	4.00	3.46	≤ 24.00
11ax-HE20		RU 74	MCS0	189	6895	-3.58	-2.71	3.90	3.79	≤ 24.00
11ax-HE20		RU 77	MCS0	233	7115	-21.08	-21.55	3.90	-14.40	≤ 24.00
11ax-HE20	106 Tone	RU 106	MCS0	1	5955	-2.18	0.17	3.00	5.16	≤ 24.00
11ax-HE20		RU 107	MCS0	93	6415	-1.94	0.74	3.00	5.61	≤ 24.00
11ax-HE20		RU 106	MCS0	97	6435	-1.47	0.49	3.00	5.63	≤ 24.00
11ax-HE20		RU 107	MCS0	113	6515	-1.48	0.08	3.00	5.38	≤ 24.00
11ax-HE20		RU 106	MCS0	117	6535	-2.26	-0.59	4.00	5.67	≤ 24.00
11ax-HE20		RU 107	MCS0	181	6855	-2.21	-1.05	4.00	5.42	≤ 24.00
11ax-HE20		RU 106	MCS0	189	6895	-2.09	-1.17	3.90	5.30	≤ 24.00
11ax-HE20		RU 107	MCS0	233	7115	-10.10	-8.59	3.90	-2.37	≤ 24.00
11ax-HE20	242 Tone	RU 122	MCS0	1	5955	-2.33	0.10	3.00	5.06	≤ 24.00
11ax-HE20		RU 122	MCS0	93	6415	-1.77	0.60	3.00	5.59	≤ 24.00
11ax-HE20		RU 122	MCS0	97	6435	-1.49	0.26	3.00	5.48	≤ 24.00
11ax-HE20		RU 122	MCS0	113	6515	-1.29	0.23	3.00	5.55	≤ 24.00
11ax-HE20		RU 122	MCS0	117	6535	-2.25	-0.83	4.00	5.53	≤ 24.00
11ax-HE20		RU 122	MCS0	181	6855	-2.16	-0.96	4.00	5.49	≤ 24.00
11ax-HE20		RU 122	MCS0	189	6895	-2.23	-1.33	3.90	5.15	≤ 24.00
11ax-HE20		RU 122	MCS0	233	7115	-11.85	-10.31	3.90	-4.10	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE40	26 Tone	RU 0	MCS0	3	5965	-6.18	-4.37	3.00	0.83	≤ 24.00
11ax-HE40		RU 8	MCS0	91	6405	-6.35	-4.55	3.00	0.65	≤ 24.00
11ax-HE40		RU 0	MCS0	99	6445	-5.77	-4.04	3.00	1.19	≤ 24.00
11ax-HE40		RU 8	MCS0	115	6525	-5.51	-4.16	3.00	1.23	≤ 24.00
11ax-HE40		RU 0	MCS0	123	6565	-6.52	-4.90	4.00	1.38	≤ 24.00
11ax-HE40		RU 8	MCS0	179	6845	-6.65	-6.08	4.00	0.65	≤ 24.00
11ax-HE40		RU 0	MCS0	195	6925	-6.57	-5.96	3.90	0.66	≤ 24.00
11ax-HE40		RU 8	MCS0	227	7085	-22.80	-21.86	3.90	-15.39	≤ 24.00
11ax-HE40	52 Tone	RU 74	MCS0	3	5965	-3.88	-1.57	3.00	3.44	≤ 24.00
11ax-HE40		RU 77	MCS0	91	6405	-3.65	-1.51	3.00	3.56	≤ 24.00
11ax-HE40		RU 74	MCS0	99	6445	-2.42	-0.80	3.00	4.48	≤ 24.00
11ax-HE40		RU 77	MCS0	115	6525	-2.23	-1.03	3.00	4.42	≤ 24.00
11ax-HE40		RU 74	MCS0	123	6565	-4.05	-2.58	4.00	3.76	≤ 24.00
11ax-HE40		RU 77	MCS0	179	6845	-4.39	-3.73	4.00	2.96	≤ 24.00
11ax-HE40		RU 74	MCS0	195	6925	-3.58	-2.77	3.90	3.75	≤ 24.00
11ax-HE40		RU 77	MCS0	227	7085	-21.38	-21.75	3.90	-14.65	≤ 24.00
11ax-HE40	106 Tone	RU 106	MCS0	3	5965	-2.59	-0.59	3.00	4.53	≤ 24.00
11ax-HE40		RU 107	MCS0	91	6405	-2.27	-0.28	3.00	4.85	≤ 24.00
11ax-HE40		RU 106	MCS0	99	6445	-1.67	0.09	3.00	5.31	≤ 24.00
11ax-HE40		RU 107	MCS0	115	6525	-1.97	-0.37	3.00	4.91	≤ 24.00
11ax-HE40		RU 106	MCS0	123	6565	-2.45	-1.13	4.00	5.27	≤ 24.00
11ax-HE40		RU 107	MCS0	179	6845	-2.56	-2.03	4.00	4.72	≤ 24.00
11ax-HE40		RU 106	MCS0	195	6925	-2.48	-1.73	3.90	4.82	≤ 24.00
11ax-HE40		RU 107	MCS0	227	7085	-11.67	-8.69	3.90	-3.02	≤ 24.00
11ax-HE40	242 Tone	RU 122	MCS0	3	5965	-2.34	-0.27	3.00	4.83	≤ 24.00
11ax-HE40		RU 123	MCS0	91	6405	-1.83	0.22	3.00	5.33	≤ 24.00
11ax-HE40		RU 122	MCS0	99	6445	-1.81	-0.12	3.00	5.13	≤ 24.00
11ax-HE40		RU 123	MCS0	115	6525	-1.46	0.08	3.00	5.39	≤ 24.00
11ax-HE40		RU 122	MCS0	123	6565	-2.59	-1.29	4.00	5.12	≤ 24.00
11ax-HE40		RU 123	MCS0	179	6845	-2.18	-1.50	4.00	5.18	≤ 24.00
11ax-HE40		RU 122	MCS0	195	6925	-2.33	-1.57	3.90	4.98	≤ 24.00
11ax-HE40		RU 123	MCS0	227	7085	-13.76	-10.41	3.90	-4.86	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE40	484 Tone	RU 130	MCS0	3	5965	0.15	2.68	3.00	7.61	≤ 24.00
11ax-HE40		RU 130	MCS0	91	6405	1.37	4.12	3.00	8.97	≤ 24.00
11ax-HE40		RU 130	MCS0	99	6445	1.53	3.87	3.00	8.87	≤ 24.00
11ax-HE40		RU 130	MCS0	115	6525	1.25	3.20	3.00	8.34	≤ 24.00
11ax-HE40		RU 130	MCS0	123	6565	0.57	1.73	4.00	8.20	≤ 24.00
11ax-HE40		RU 130	MCS0	179	6845	0.69	1.34	4.00	8.04	≤ 24.00
11ax-HE40		RU 130	MCS0	195	6925	0.19	1.24	3.90	7.66	≤ 24.00
11ax-HE40		RU 130	MCS0	227	7085	-0.84	1.55	3.90	7.43	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE80	26 Tone	RU 0	MCS0	7	5985	-6.22	-4.21	3.00	0.91	≤ 24.00
11ax-HE80		RU 36	MCS0	87	6385	-6.41	-4.36	3.00	0.75	≤ 24.00
11ax-HE80		RU 0	MCS0	103	6465	-5.45	-4.01	3.00	1.34	≤ 24.00
11ax-HE80		RU 36	MCS0	119	6545	-5.76	-4.65	3.00	0.84	≤ 24.00
11ax-HE80		RU 0	MCS0	135	6625	-6.21	-4.68	4.00	1.63	≤ 24.00
11ax-HE80		RU 36	MCS0	183	6865	-6.68	-6.16	4.00	0.60	≤ 24.00
11ax-HE80		RU 0	MCS0	199	6945	-6.51	-6.60	3.90	0.36	≤ 24.00
11ax-HE80		RU 36	MCS0	215	7025	-21.58	-23.33	3.90	-15.46	≤ 24.00
11ax-HE80	52 Tone	RU 74	MCS0	7	5985	-4.11	-1.81	3.00	3.20	≤ 24.00
11ax-HE80		RU 89	MCS0	87	6385	-3.48	-1.72	3.00	3.50	≤ 24.00
11ax-HE80		RU 74	MCS0	103	6465	-2.62	-1.15	3.00	4.19	≤ 24.00
11ax-HE80		RU 89	MCS0	119	6545	-2.64	-1.58	3.00	3.93	≤ 24.00
11ax-HE80		RU 74	MCS0	135	6625	-3.97	-2.67	4.00	3.74	≤ 24.00
11ax-HE80		RU 89	MCS0	183	6865	-4.73	-3.74	4.00	2.80	≤ 24.00
11ax-HE80		RU 74	MCS0	199	6945	-3.85	-2.19	3.90	3.97	≤ 24.00
11ax-HE80		RU 89	MCS0	215	7025	-21.58	-22.03	3.90	-14.89	≤ 24.00
11ax-HE80	106 Tone	RU 106	MCS0	7	5985	-2.29	-0.24	3.00	4.87	≤ 24.00
11ax-HE80		RU 113	MCS0	87	6385	-2.28	-0.27	3.00	4.85	≤ 24.00
11ax-HE80		RU 106	MCS0	103	6465	-1.73	-0.27	3.00	5.07	≤ 24.00
11ax-HE80		RU 113	MCS0	119	6545	-1.93	-0.43	3.00	4.89	≤ 24.00
11ax-HE80		RU 106	MCS0	135	6625	-2.53	-1.36	4.00	5.10	≤ 24.00
11ax-HE80		RU 113	MCS0	183	6865	-2.42	-1.75	4.00	4.94	≤ 24.00
11ax-HE80		RU 106	MCS0	199	6945	-2.98	-1.20	3.90	4.91	≤ 24.00
11ax-HE80		RU 113	MCS0	215	7025	-11.43	-8.61	3.90	-2.88	≤ 24.00
11ax-HE80	242 Tone	RU 122	MCS0	7	5985	-2.61	-0.29	3.00	4.71	≤ 24.00
11ax-HE80		RU 125	MCS0	87	6385	-1.87	0.24	3.00	5.32	≤ 24.00
11ax-HE80		RU 122	MCS0	103	6465	-1.70	-0.06	3.00	5.21	≤ 24.00
11ax-HE80		RU 125	MCS0	119	6545	-1.50	-0.50	3.00	5.04	≤ 24.00
11ax-HE80		RU 122	MCS0	135	6625	-2.40	-0.86	4.00	5.45	≤ 24.00
11ax-HE80		RU 125	MCS0	183	6865	-2.39	-1.29	4.00	5.21	≤ 24.00
11ax-HE80		RU 122	MCS0	199	6945	-2.88	-0.93	3.90	5.11	≤ 24.00
11ax-HE80		RU 125	MCS0	215	7025	-12.42	-10.33	3.90	-4.34	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE80	484 Tone	RU 130	MCS0	7	5985	-0.03	2.47	3.00	7.41	≤ 24.00
11ax-HE80		RU 131	MCS0	87	6385	1.36	3.66	3.00	8.67	≤ 24.00
11ax-HE80		RU 130	MCS0	103	6465	1.35	3.21	3.00	8.39	≤ 24.00
11ax-HE80		RU 131	MCS0	119	6545	1.24	2.26	3.00	7.79	≤ 24.00
11ax-HE80		RU 130	MCS0	135	6625	0.50	1.17	4.00	7.86	≤ 24.00
11ax-HE80		RU 131	MCS0	183	6865	-0.30	0.89	4.00	7.35	≤ 24.00
11ax-HE80		RU 130	MCS0	199	6945	-0.18	1.18	3.90	7.46	≤ 24.00
11ax-HE80		RU 131	MCS0	215	7025	-0.59	1.32	3.90	7.38	≤ 24.00
11ax-HE80	996 Tone	RU 134	MCS0	7	5985	3.18	4.91	3.00	10.14	≤ 24.00
11ax-HE80		RU 134	MCS0	87	6385	2.90	5.62	3.00	10.48	≤ 24.00
11ax-HE80		RU 134	MCS0	103	6465	3.02	5.21	3.00	10.26	≤ 24.00
11ax-HE80		RU 134	MCS0	119	6545	2.76	4.65	3.00	9.82	≤ 24.00
11ax-HE80		RU 134	MCS0	135	6625	2.41	4.21	4.00	10.41	≤ 24.00
11ax-HE80		RU 134	MCS0	183	6865	2.56	3.52	4.00	10.08	≤ 24.00
11ax-HE80		RU 134	MCS0	199	6945	2.15	3.97	3.90	10.06	≤ 24.00
11ax-HE80		RU 134	MCS0	215	7025	1.78	4.01	3.90	9.95	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE160	26 Tone	RU 0	MCS0	15	6025	-5.89	-3.81	3.00	1.28	≤ 24.00
11ax-HE160		RU 73	MCS0	79	6345	-6.38	-4.39	3.00	0.74	≤ 24.00
11ax-HE160		RU 0	MCS0	111	6505	-5.62	-4.59	3.00	0.94	≤ 24.00
11ax-HE160		RU 73	MCS0	143	6665	-5.60	-5.03	4.00	1.70	≤ 24.00
11ax-HE160		RU 73	MCS0	207	6985	-6.38	-4.92	3.90	1.32	≤ 24.00
11ax-HE160	52 Tone	RU 74	MCS0	15	6025	-4.03	-2.69	3.00	2.70	≤ 24.00
11ax-HE160		RU 105	MCS0	79	6345	-3.47	-1.29	3.00	3.77	≤ 24.00
11ax-HE160		RU 74	MCS0	111	6505	-2.30	-1.27	3.00	4.26	≤ 24.00
11ax-HE160		RU 105	MCS0	143	6665	-2.27	-1.31	4.00	5.25	≤ 24.00
11ax-HE160		RU 105	MCS0	207	6985	-4.05	-2.48	3.90	3.72	≤ 24.00
11ax-HE160	106 Tone	RU 106	MCS0	15	6025	-2.19	-0.46	3.00	4.77	≤ 24.00
11ax-HE160		RU 121	MCS0	79	6345	-2.46	-0.36	3.00	4.73	≤ 24.00
11ax-HE160		RU 106	MCS0	111	6505	-1.59	-0.48	3.00	5.01	≤ 24.00
11ax-HE160		RU 121	MCS0	143	6665	-1.49	-0.30	4.00	6.16	≤ 24.00
11ax-HE160		RU 121	MCS0	207	6985	-2.88	-0.85	3.90	5.16	≤ 24.00
11ax-HE160	242 Tone	RU 122	MCS0	15	6025	-2.34	-0.72	3.00	4.56	≤ 24.00
11ax-HE160		RU 129	MCS0	79	6345	-2.25	-0.03	3.00	5.01	≤ 24.00
11ax-HE160		RU 122	MCS0	111	6505	-1.37	-0.43	3.00	5.14	≤ 24.00
11ax-HE160		RU 129	MCS0	143	6665	-1.56	-0.43	4.00	6.05	≤ 24.00
11ax-HE160		RU 129	MCS0	207	6985	-2.93	-1.10	3.90	4.99	≤ 24.00
11ax-HE160	484 Tone	RU 130	MCS0	15	6025	0.10	2.26	3.00	7.32	≤ 24.00
11ax-HE160		RU 133	MCS0	79	6345	1.12	3.07	3.00	8.21	≤ 24.00
11ax-HE160		RU 130	MCS0	111	6505	1.04	1.90	3.00	7.50	≤ 24.00
11ax-HE160		RU 133	MCS0	143	6665	0.86	1.89	4.00	8.42	≤ 24.00
11ax-HE160		RU 133	MCS0	207	6985	0.46	1.65	3.90	8.01	≤ 24.00
11ax-HE160	996 Tone	RU 134	MCS0	15	6025	2.07	4.49	3.00	9.46	≤ 24.00
11ax-HE160		RU 135	MCS0	79	6345	2.69	5.02	3.00	10.02	≤ 24.00
11ax-HE160		RU 134	MCS0	111	6505	2.78	3.71	3.00	9.28	≤ 24.00
11ax-HE160		RU 135	MCS0	143	6665	2.73	3.80	4.00	10.31	≤ 24.00
11ax-HE160		RU 135	MCS0	207	6985	1.96	4.14	3.90	10.10	≤ 24.00

Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	Average Power (dBm)		Gain (dBi)	Total EIRP Power (dBm)	EIRP Limit (dBm)
						Ant 0	Ant 1			
CDD mode										
11ax-HE160	1992 Tone	RU 136	MCS0	15	6025	6.05	7.84	3.00	13.05	≤ 24.00
11ax-HE160		RU 136	MCS0	79	6345	6.45	8.32	3.00	13.50	≤ 24.00
11ax-HE160		RU 136	MCS0	111	6505	7.33	8.76	3.00	14.11	≤ 24.00
11ax-HE160		RU 136	MCS0	143	6665	6.13	7.82	4.00	14.07	≤ 24.00
11ax-HE160		RU 136	MCS0	207	6985	6.76	7.17	3.90	13.88	≤ 24.00

Note 1: Total Average Power (dBm) = 10*log {$10^{(\text{Ant 0 Average Power }/10)}$ + $10^{(\text{Ant 1 Average Power }/10)}$}.

Note 2: CDD EIRP Power (dBm) = Total Average Power (dBm) + CDD Directional Gain (dBi).

6.4. Power Spectral Density

6.4.1. Test Limit

For an indoor access point operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band.

For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p in any 1-megahertz band.

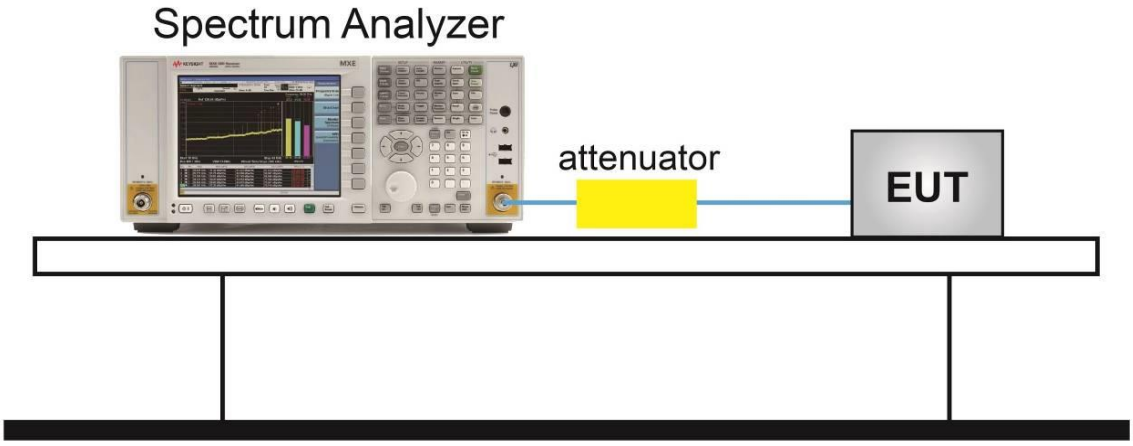
6.4.2. Test Procedure Used

KDB 789033 D02v02r01-SectionF

6.4.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

6.4.4. Test Setup



6.4.5. Test Result

Test Site	SR6	Test Engineer	Wen
Test Date	2024/7/17~2024/7/22		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Ant Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1				
CDD mode									
11a	MCS0	2	5935	-11.775	-9.447	99.34%	5.86	-1.56	≤ -1.00
11a	MCS0	1	5955	-11.230	-9.110	99.34%	5.86	-1.14	≤ -1.00
11a	MCS0	49	6195	-11.232	-9.193	99.34%	5.86	-1.19	≤ -1.00
11a	MCS0	93	6415	-11.473	-9.347	99.34%	5.86	-1.38	≤ -1.00
11a	MCS0	97	6435	-11.353	-9.192	99.34%	5.86	-1.24	≤ -1.00
11a	MCS0	105	6475	-11.430	-9.463	99.34%	5.86	-1.44	≤ -1.00
11a	MCS0	113	6515	-10.905	-9.420	99.34%	5.86	-1.20	≤ -1.00
11a	MCS0	117	6535	-11.924	-10.150	99.34%	6.52	-1.39	≤ -1.00
11a	MCS0	153	6715	-11.354	-10.665	99.34%	6.52	-1.44	≤ -1.00
11a	MCS0	181	6855	-11.756	-10.860	99.34%	6.52	-1.73	≤ -1.00
11a	MCS0	185	6875	-11.971	-10.995	99.34%	6.81	-1.61	≤ -1.00
11a	MCS0	189	6895	-11.387	-10.601	99.34%	6.81	-1.13	≤ -1.00
11a	MCS0	213	7015	-12.227	-9.909	99.34%	6.81	-1.07	≤ -1.00
11a	MCS0	229	7095	-12.081	-9.983	99.34%	6.81	-1.06	≤ -1.00
11a	MCS0	233	7115	-12.189	-10.169	99.34%	6.81	-1.21	≤ -1.00
11ax-HE20	MCS0	2	5935	-18.393	-16.693	99.82%	5.86	-8.58	≤ -1.00
11ax-HE20	MCS0	1	5955	-11.455	-9.236	99.82%	5.86	-1.33	≤ -1.00
11ax-HE20	MCS0	49	6195	-11.135	-9.253	99.82%	5.86	-1.21	≤ -1.00
11ax-HE20	MCS0	93	6415	-11.513	-9.249	99.82%	5.86	-1.36	≤ -1.00
11ax-HE20	MCS0	97	6435	-11.331	-9.408	99.82%	5.86	-1.39	≤ -1.00
11ax-HE20	MCS0	105	6475	-10.990	-9.464	99.82%	5.86	-1.28	≤ -1.00
11ax-HE20	MCS0	113	6515	-10.658	-9.377	99.82%	5.86	-1.09	≤ -1.00
11ax-HE20	MCS0	117	6535	-12.119	-10.085	99.82%	6.52	-1.45	≤ -1.00

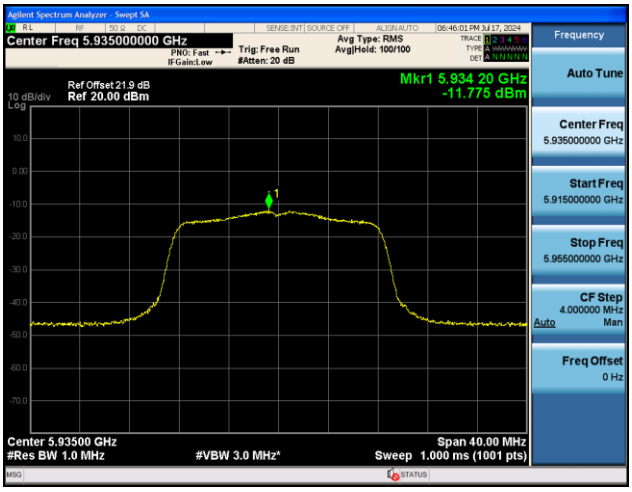
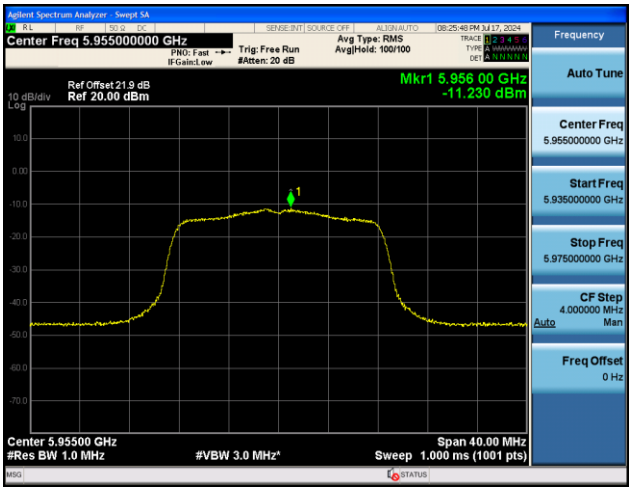
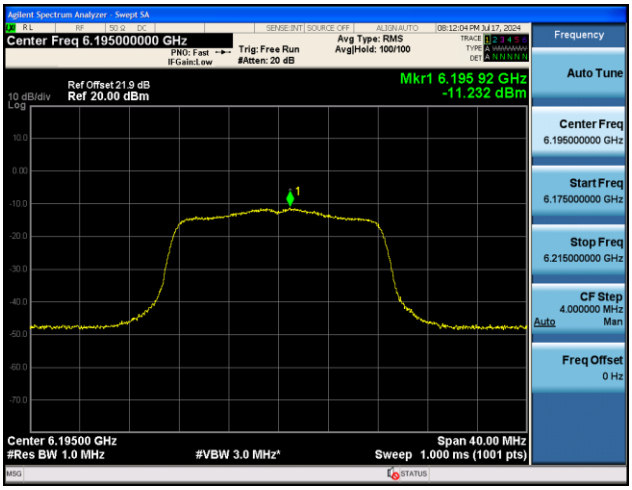
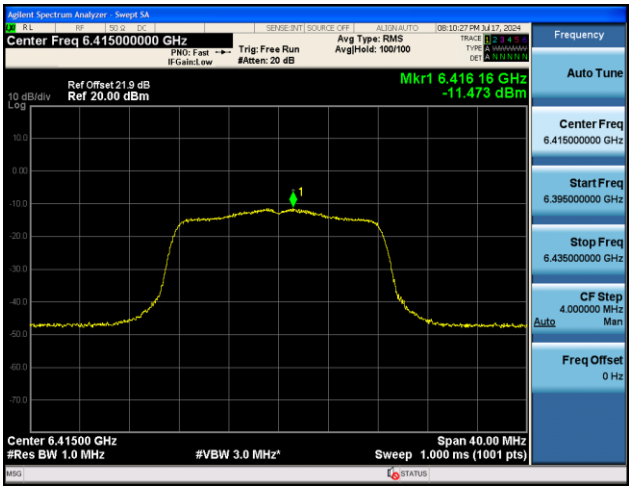
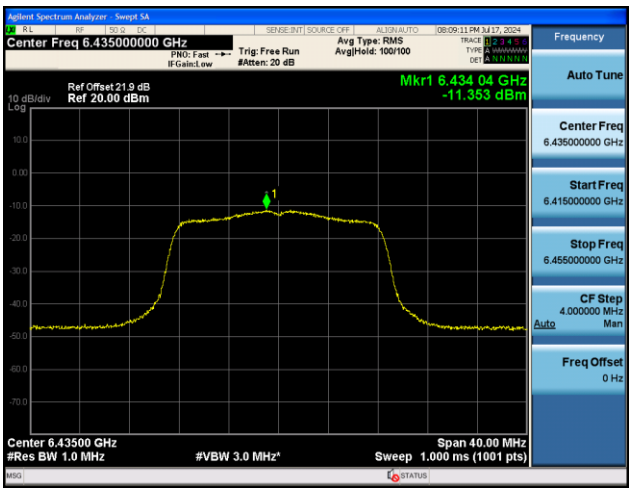
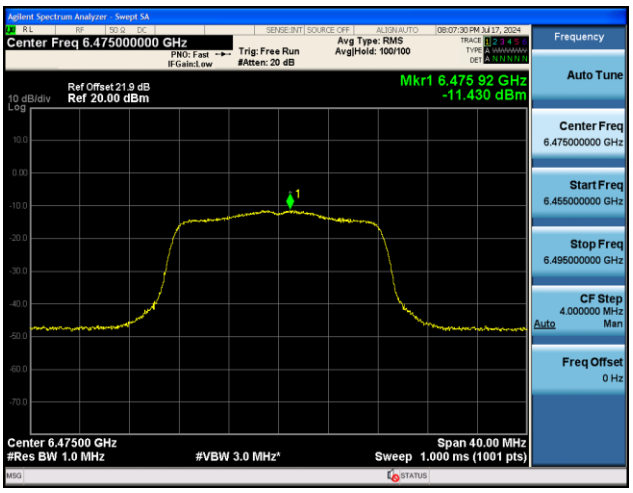
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Ant Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1				
CDD mode									
11ax-HE20	MCS0	153	6715	-11.252	-10.124	99.82%	6.52	-1.11	≤ -1.00
11ax-HE20	MCS0	181	6855	-11.558	-10.306	99.82%	6.52	-1.35	≤ -1.00
11ax-HE20	MCS0	185	6875	-11.655	-10.292	99.82%	6.81	-1.09	≤ -1.00
11ax-HE20	MCS0	189	6895	-11.731	-10.697	99.82%	6.81	-1.36	≤ -1.00
11ax-HE20	MCS0	213	7015	-12.378	-10.203	99.82%	6.81	-1.33	≤ -1.00
11ax-HE20	MCS0	229	7095	-12.210	-10.402	99.82%	6.81	-1.38	≤ -1.00
11ax-HE20	MCS0	233	7115	-14.141	-12.382	99.82%	6.81	-3.34	≤ -1.00
11ax-HE40	MCS0	3	5965	-11.586	-9.036	98.96%	5.86	-1.21	≤ -1.00
11ax-HE40	MCS0	51	6205	-10.725	-9.372	98.96%	5.86	-1.08	≤ -1.00
11ax-HE40	MCS0	91	6405	-10.985	-9.471	98.96%	5.86	-1.25	≤ -1.00
11ax-HE40	MCS0	99	6445	-10.799	-9.331	98.96%	5.86	-1.09	≤ -1.00
11ax-HE40	MCS0	107	6485	-10.947	-9.459	98.96%	5.86	-1.22	≤ -1.00
11ax-HE40	MCS0	115	6525	-10.945	-9.340	98.96%	5.86	-1.15	≤ -1.00
11ax-HE40	MCS0	123	6565	-11.421	-10.088	98.96%	6.52	-1.13	≤ -1.00
11ax-HE40	MCS0	147	6685	-11.229	-10.594	98.96%	6.52	-1.32	≤ -1.00
11ax-HE40	MCS0	179	6845	-11.235	-10.202	98.96%	6.52	-1.11	≤ -1.00
11ax-HE40	MCS0	187	6885	-12.572	-10.550	98.96%	6.81	-1.58	≤ -1.00
11ax-HE40	MCS0	195	6925	-11.948	-10.656	98.96%	6.81	-1.39	≤ -1.00
11ax-HE40	MCS0	211	7005	-12.112	-10.182	98.96%	6.81	-1.18	≤ -1.00
11ax-HE40	MCS0	227	7085	-12.794	-10.347	98.96%	6.81	-1.53	≤ -1.00
11ax-HE80	MCS0	7	5985	-11.296	-9.098	98.71%	5.86	-1.13	≤ -1.00
11ax-HE80	MCS0	55	6225	-11.055	-9.275	98.71%	5.86	-1.15	≤ -1.00
11ax-HE80	MCS0	87	6385	-11.883	-9.498	98.71%	5.86	-1.60	≤ -1.00
11ax-HE80	MCS0	103	6465	-11.850	-9.077	98.71%	5.86	-1.32	≤ -1.00
11ax-HE80	MCS0	119	6545	-11.956	-9.680	98.71%	5.86	-1.74	≤ -1.00
11ax-HE80	MCS0	135	6625	-11.852	-9.883	98.71%	6.52	-1.17	≤ -1.00
11ax-HE80	MCS0	151	6705	-12.219	-10.108	98.71%	6.52	-1.45	≤ -1.00
11ax-HE80	MCS0	183	6865	-12.166	-10.651	98.71%	6.52	-1.76	≤ -1.00
11ax-HE80	MCS0	199	6945	-12.506	-10.357	98.71%	6.81	-1.42	≤ -1.00
11ax-HE80	MCS0	215	7025	-12.732	-10.118	98.71%	6.81	-1.35	≤ -1.00

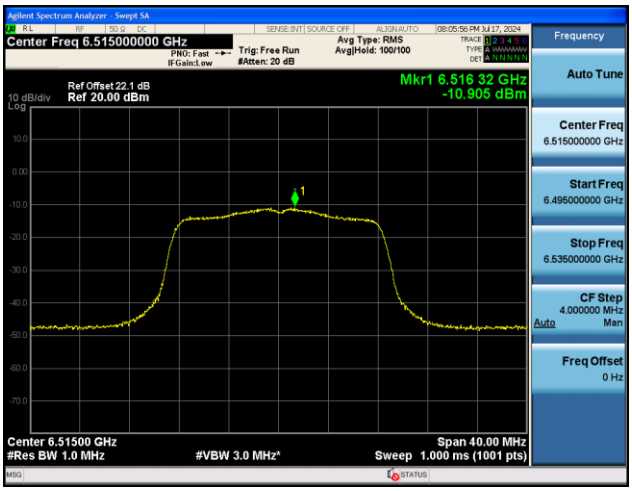
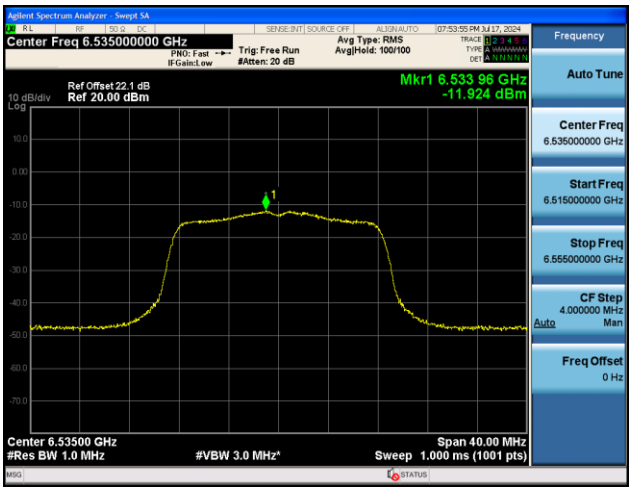
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Ant Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1				
CDD mode									
11ax-HE160	MCS0	15	6025	-11.476	-9.518	98.84%	5.86	-1.47	≤ -1.00
11ax-HE160	MCS0	47	6185	-11.760	-9.161	98.84%	5.86	-1.35	≤ -1.00
11ax-HE160	MCS0	79	6345	-11.301	-9.534	98.84%	5.86	-1.41	≤ -1.00
11ax-HE160	MCS0	111	6505	-10.213	-9.938	98.84%	5.86	-1.15	≤ -1.00
11ax-HE160	MCS0	143	6665	-11.810	-10.307	98.84%	6.52	-1.41	≤ -1.00
11ax-HE160	MCS0	175	6825	-10.464	-10.972	98.84%	6.52	-1.13	≤ -1.00
11ax-HE160	MCS0	207	6985	-10.998	-11.513	98.84%	6.81	-1.38	≤ -1.00

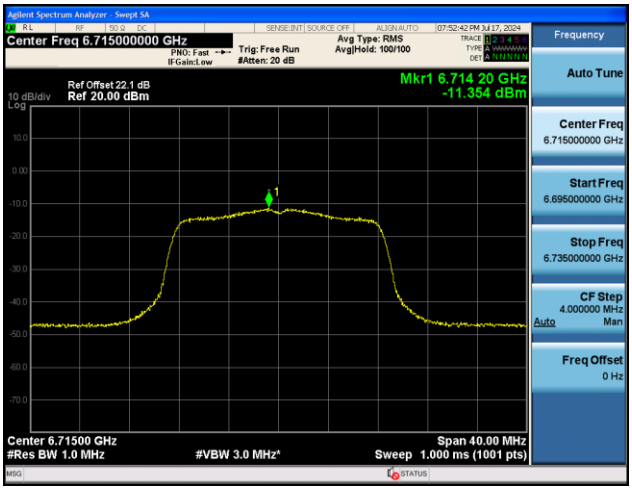
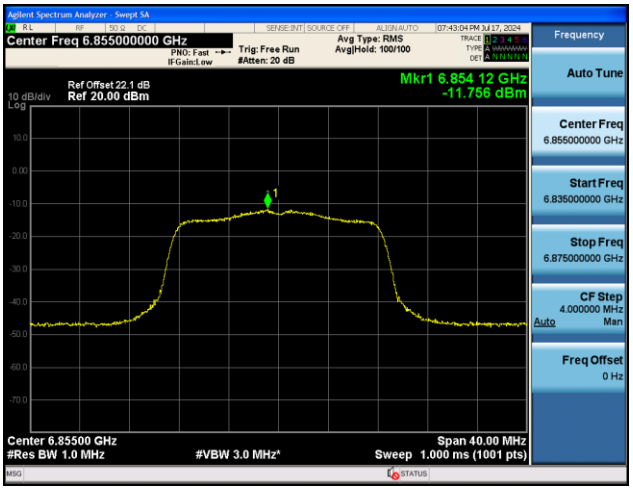
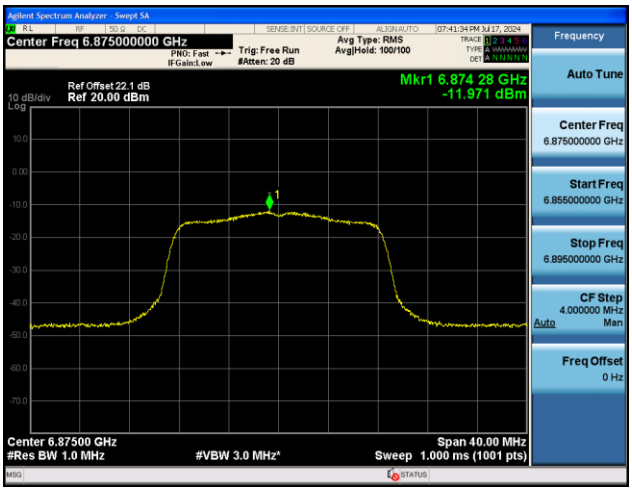
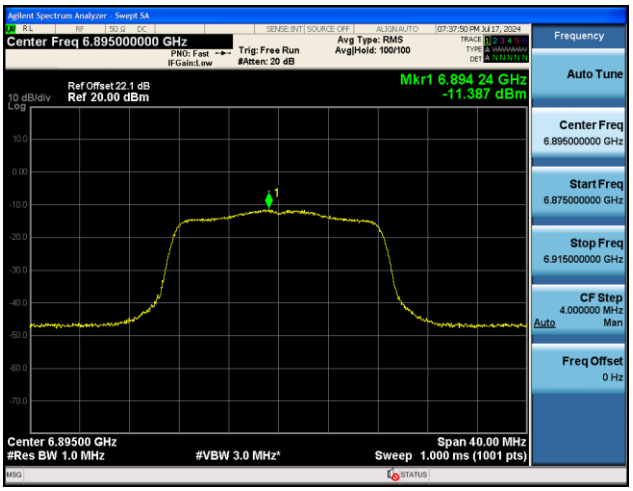
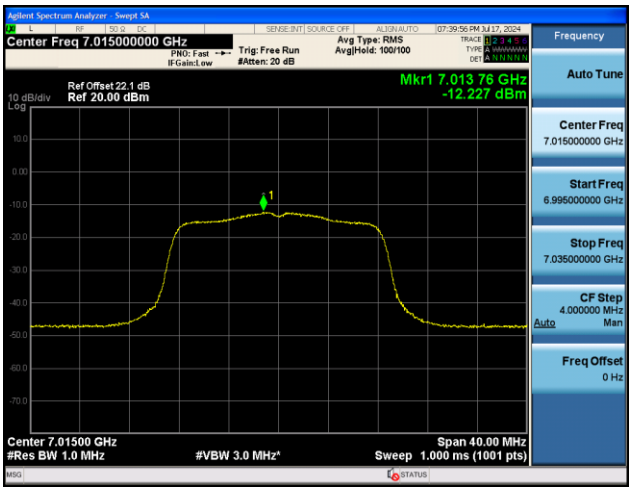
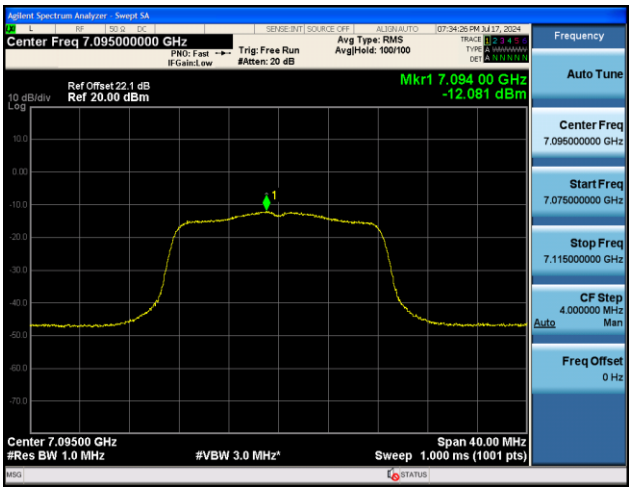
Note 1: Total PSD (dBm/MHz) = $10*\log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$

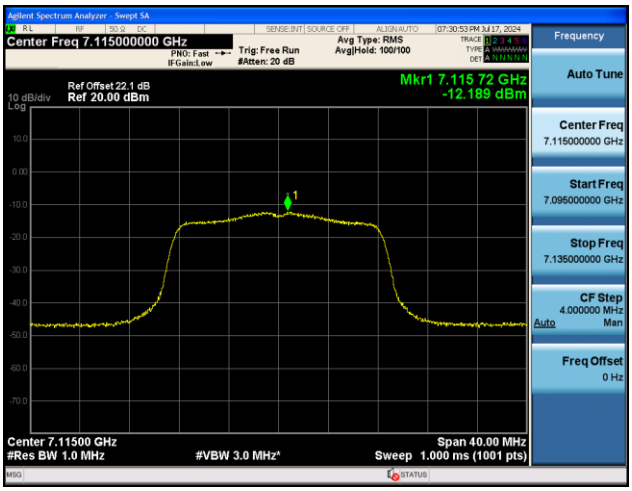
Note 2: When EUT duty cycle < 98%, EIRP PSD (dBm/MHz) = Total PSD (dBm/MHz) + 10*log (1/Duty Cycle) + Directional Gain (dBi).

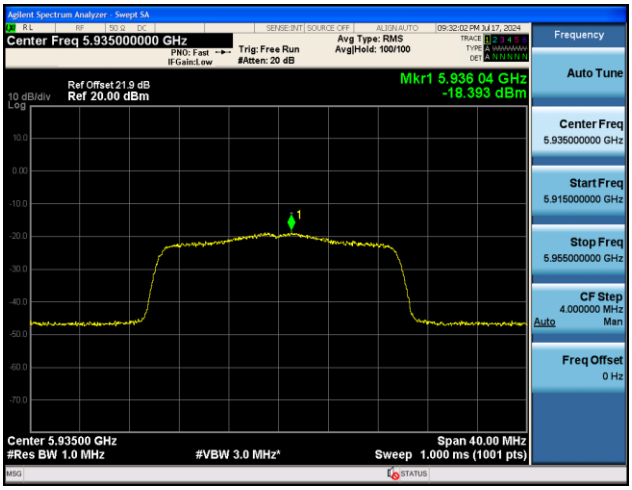
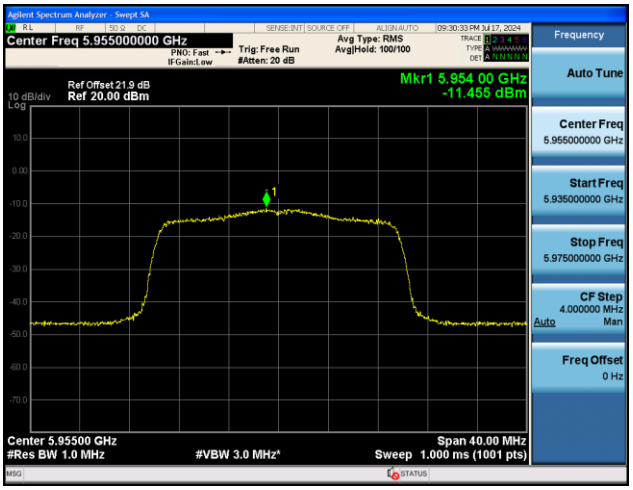
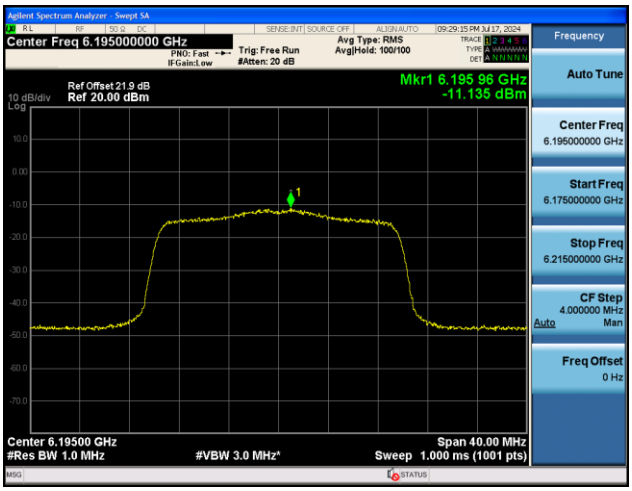
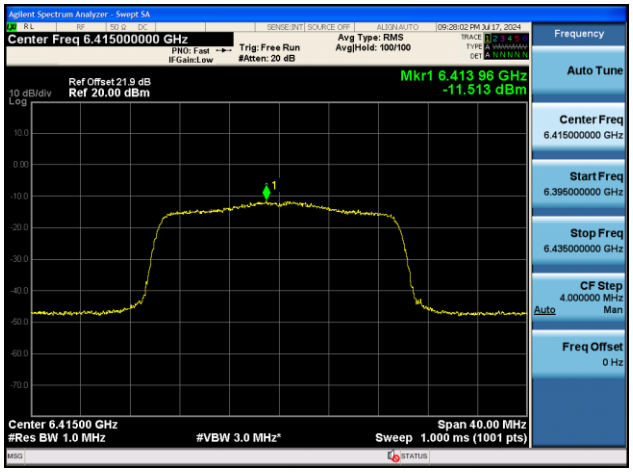
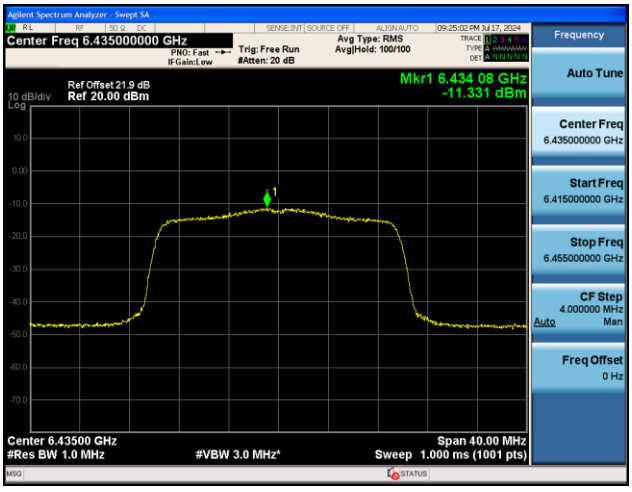
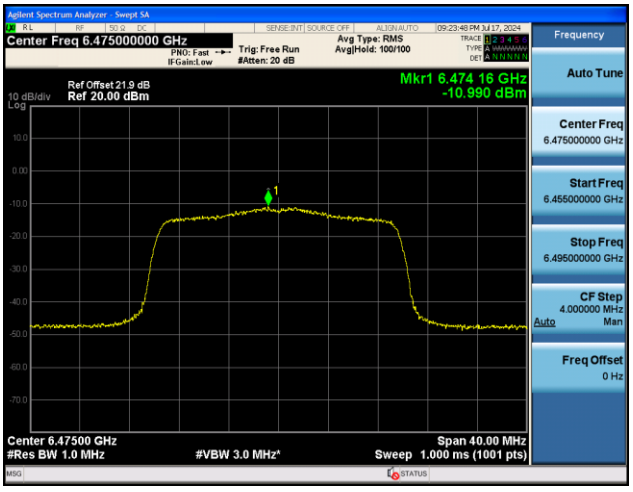
Test Mode	RU Size	RU Index	Rate	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Ant Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm)
						Ant 0	Ant 1				
CDD mode											
11ax-HE20	26 Tone	RU 0	MCS0	1	5955	-8.353	-6.268	99.61%	3.00	-1.16	≤ -1.00
11ax-HE20		RU 8	MCS0	93	6415	-9.083	-6.381	99.61%	3.00	-1.50	≤ -1.00
11ax-HE20		RU 0	MCS0	97	6435	-8.376	-6.385	99.61%	3.00	-1.24	≤ -1.00
11ax-HE20		RU 8	MCS0	113	6515	-8.380	-6.492	99.61%	3.00	-1.31	≤ -1.00
11ax-HE20		RU 0	MCS0	117	6535	-9.111	-7.454	99.61%	4.00	-1.18	≤ -1.00
11ax-HE20		RU 8	MCS0	181	6855	-8.924	-7.815	99.61%	4.00	-1.31	≤ -1.00
11ax-HE20		RU 0	MCS0	189	6895	-8.593	-7.769	99.61%	3.90	-1.23	≤ -1.00
11ax-HE20		RU 8	MCS0	233	7115	-15.287	-13.243	99.61%	3.90	-7.22	≤ -1.00
11ax-HE20	52 Tone	RU 74	MCS0	1	5955	-8.637	-6.272	99.80%	3.00	-1.28	≤ -1.00
11ax-HE20		RU 77	MCS0	93	6415	-9.462	-6.563	99.80%	3.00	-1.76	≤ -1.00
11ax-HE20		RU 74	MCS0	97	6435	-8.277	-6.203	99.80%	3.00	-1.10	≤ -1.00
11ax-HE20		RU 77	MCS0	113	6515	-8.249	-6.611	99.80%	3.00	-1.33	≤ -1.00
11ax-HE20		RU 74	MCS0	117	6535	-9.233	-7.461	99.80%	4.00	-1.24	≤ -1.00
11ax-HE20		RU 77	MCS0	181	6855	-9.684	-8.417	99.80%	4.00	-1.99	≤ -1.00
11ax-HE20		RU 74	MCS0	189	6895	-9.002	-7.796	99.80%	3.90	-1.44	≤ -1.00
11ax-HE20		RU 77	MCS0	233	7115	-17.516	-16.221	99.80%	3.90	-9.90	≤ -1.00
11ax-HE20	106 Tone	RU 106	MCS0	1	5955	-10.373	-7.910	99.79%	3.00	-2.95	≤ -1.00
11ax-HE20		RU 107	MCS0	93	6415	-10.618	-8.204	99.79%	3.00	-3.23	≤ -1.00
11ax-HE20		RU 106	MCS0	97	6435	-10.199	-8.196	99.79%	3.00	-3.06	≤ -1.00
11ax-HE20		RU 107	MCS0	113	6515	-10.049	-8.594	99.79%	3.00	-3.24	≤ -1.00
11ax-HE20		RU 106	MCS0	117	6535	-10.876	-8.898	99.79%	4.00	-2.76	≤ -1.00
11ax-HE20		RU 107	MCS0	181	6855	-10.769	-9.234	99.79%	4.00	-2.91	≤ -1.00
11ax-HE20		RU 106	MCS0	189	6895	-10.378	-9.450	99.79%	3.90	-2.97	≤ -1.00
11ax-HE20		RU 107	MCS0	233	7115	-21.213	-19.230	99.79%	3.90	-13.19	≤ -1.00
11ax-HE20	242 Tone	RU 122	MCS0	1	5955	-13.959	-11.399	99.55%	3.00	-6.46	≤ -1.00
11ax-HE20		RU 122	MCS0	93	6415	-13.943	-11.468	99.55%	3.00	-6.50	≤ -1.00
11ax-HE20		RU 122	MCS0	97	6435	-13.335	-11.560	99.55%	3.00	-6.33	≤ -1.00
11ax-HE20		RU 122	MCS0	113	6515	-13.449	-11.771	99.55%	3.00	-6.50	≤ -1.00
11ax-HE20		RU 122	MCS0	117	6535	-14.258	-12.630	99.55%	4.00	-6.34	≤ -1.00
11ax-HE20		RU 122	MCS0	181	6855	-14.132	-12.467	99.55%	4.00	-6.19	≤ -1.00
11ax-HE20		RU 122	MCS0	189	6895	-13.942	-13.072	99.55%	3.90	-6.56	≤ -1.00
11ax-HE20		RU 122	MCS0	233	7115	-24.329	-22.539	99.55%	3.90	-16.41	≤ -1.00

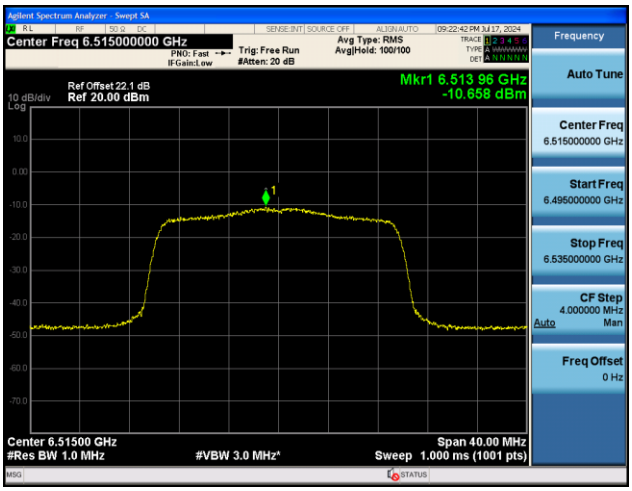
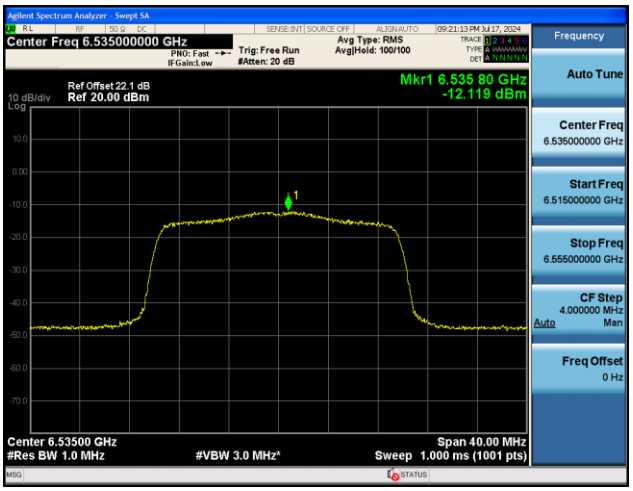
802.11a Power Spectral Density – Ant 0	
Channel 2 (5935MHz)	Channel 1 (5955MHz)
	
Channel 49 (6195MHz)	Channel 93 (6415MHz)
	
Channel 97 (6435MHz)	Channel 105 (6475MHz)
	

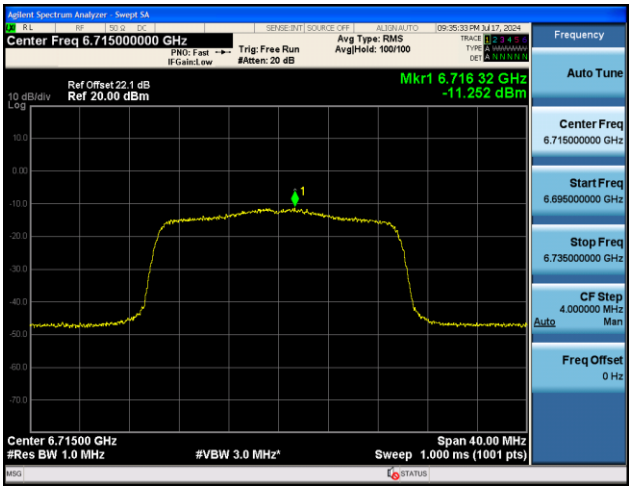
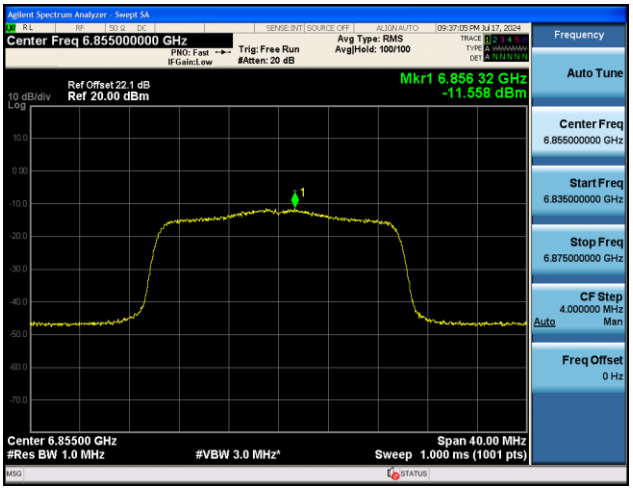
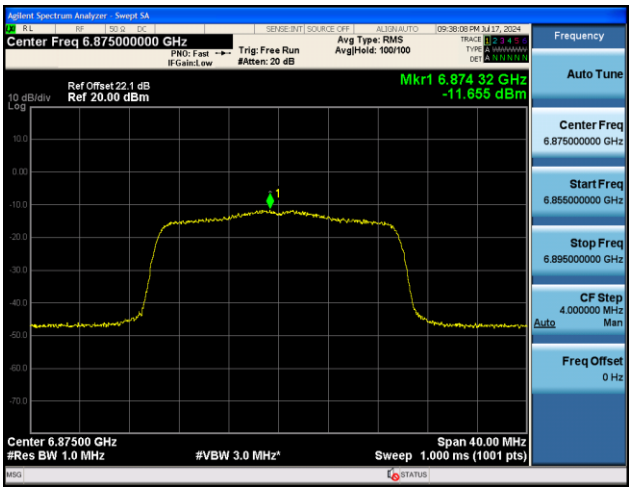
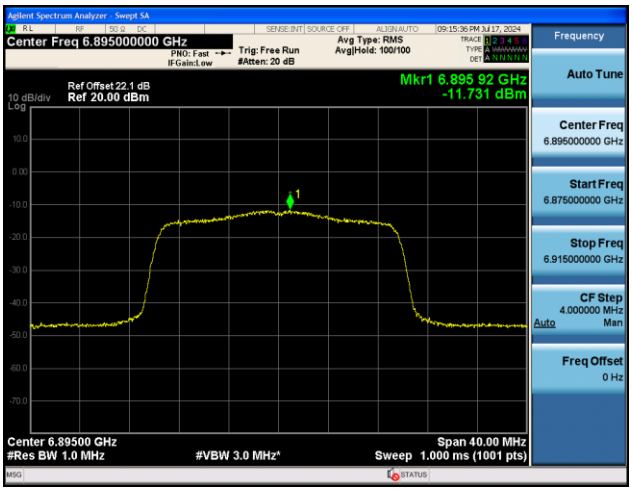
Channel 113 (6515MHz)	Channel 117 (6535MHz)
	

802.11ax-HE20 Power Spectral Density – Ant 0	
Channel 153 (6715MHz)	Channel 181 (6855MHz)
	
Channel 185 (6875MHz)	Channel 189 (6895MHz)
	
Channel 213 (7015MHz)	Channel 229 (7095MHz)
	

Channel 233 (7115MHz)	
	

802.11ax-HE20 Power Spectral Density – Ant 0	
Channel 2 (5935MHz)	Channel 1 (5955MHz)
	
Channel 49 (6195MHz)	Channel 93 (6415MHz)
	
Channel 97 (6435MHz)	Channel 105 (6475MHz)
	

Channel 113 (6515MHz)	Channel 117 (6535MHz)
	

802.11ax-HE20 Power Spectral Density – Ant 0	
Channel 153 (6715MHz)	Channel 181 (6855MHz)
	
Channel 185 (6875MHz)	Channel 189 (6895MHz)
	
Channel 213 (7015MHz)	Channel 229 (7095MHz)