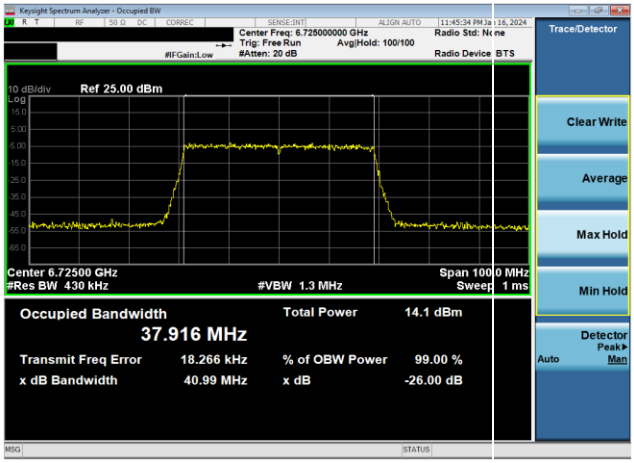
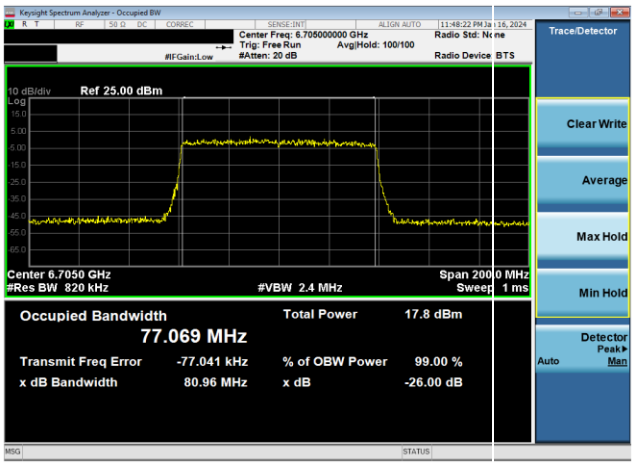
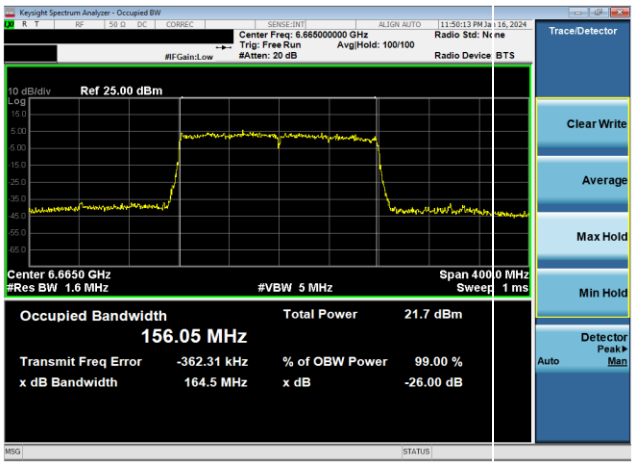


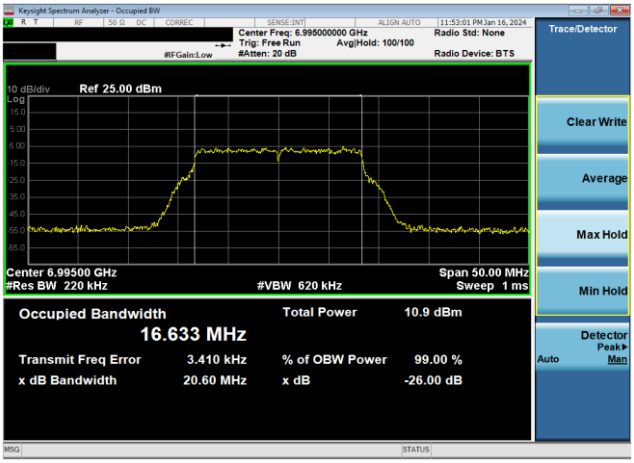
Plot 7-153. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



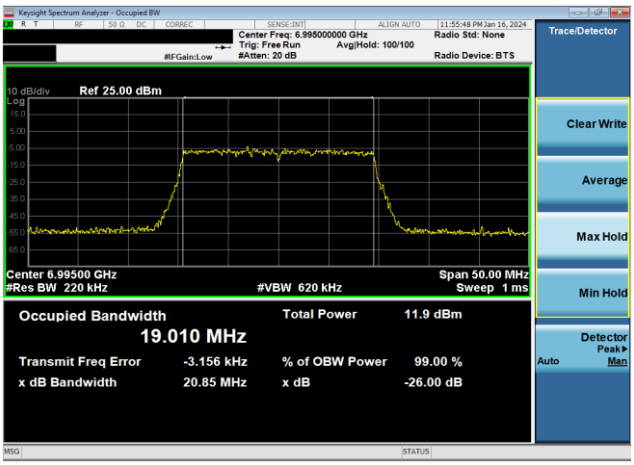
Plot 7-154. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



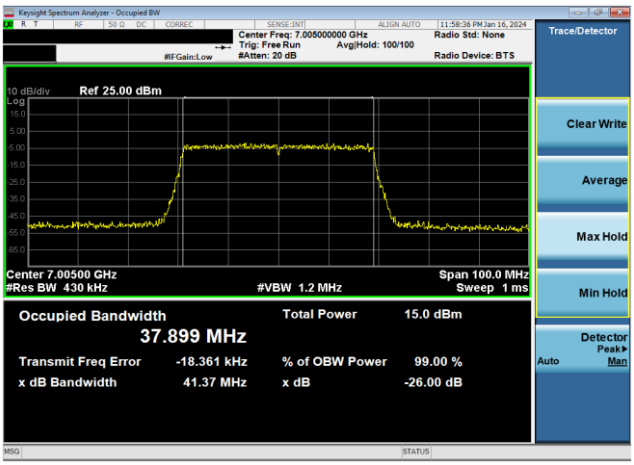
Plot 7-155. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



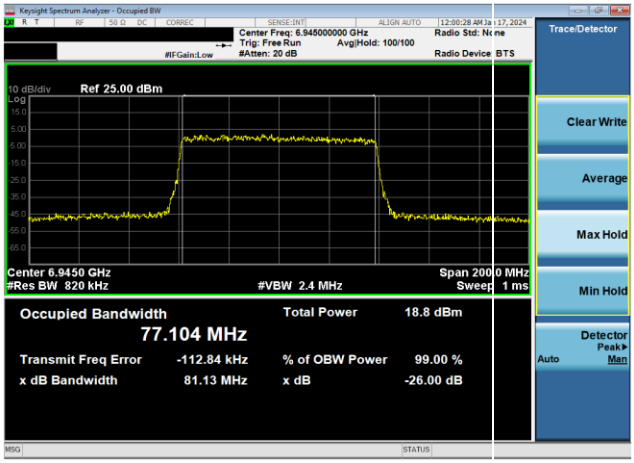
Plot 7-156. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)



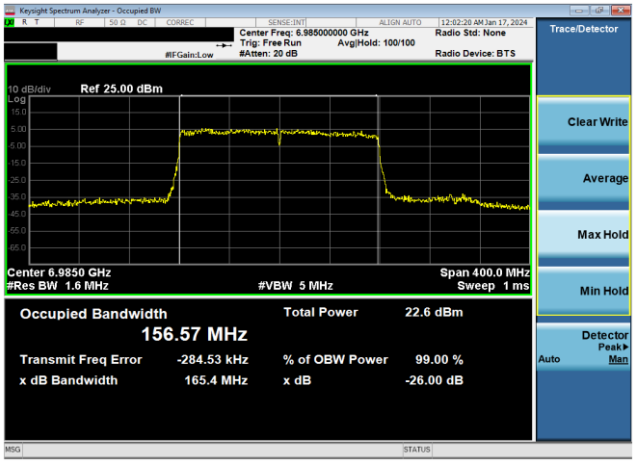
Plot 7-157. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS4)



Plot 7-158. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS4)

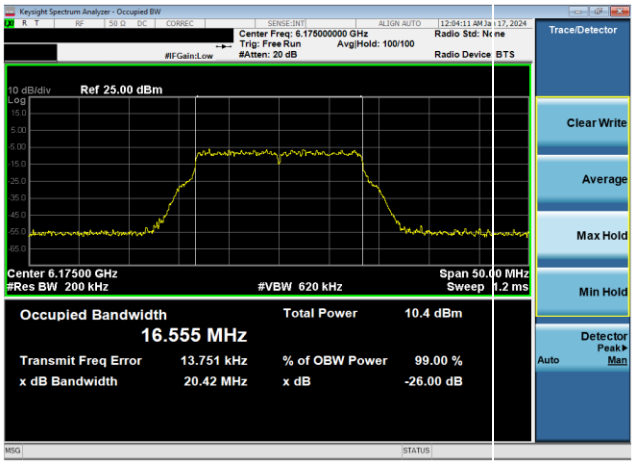


Plot 7-159. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS4)

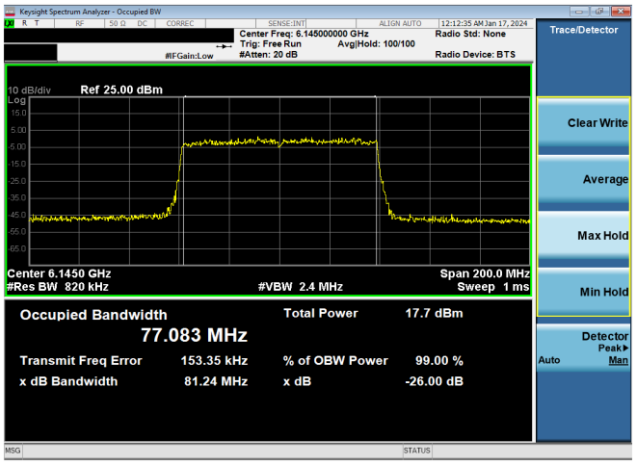


Plot 7-160. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS4)

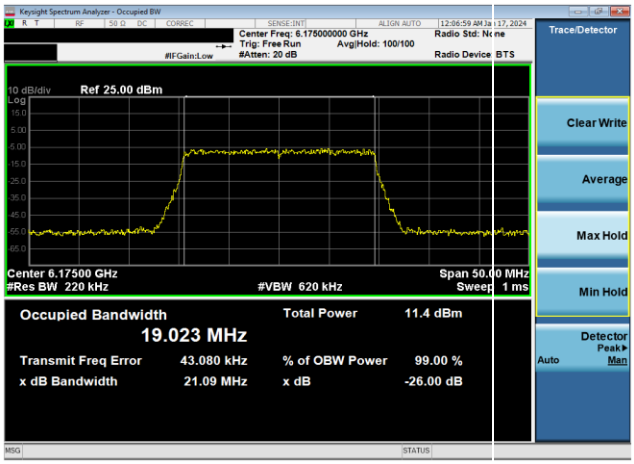
High Data Rate



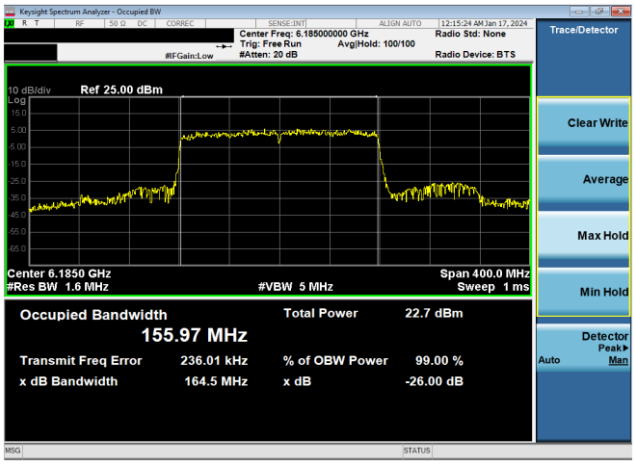
Plot 7-161. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



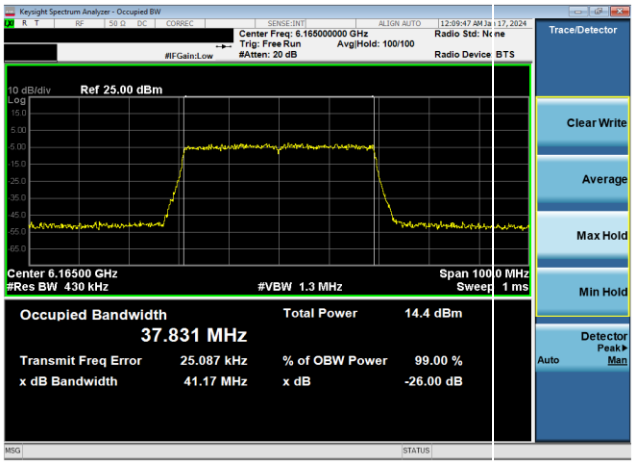
Plot 7-164. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



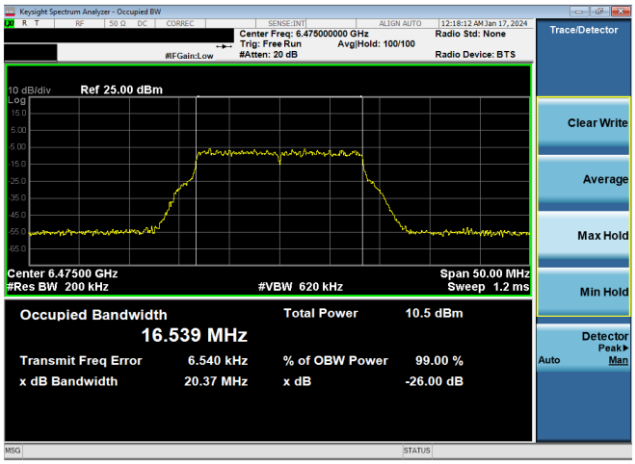
Plot 7-162. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



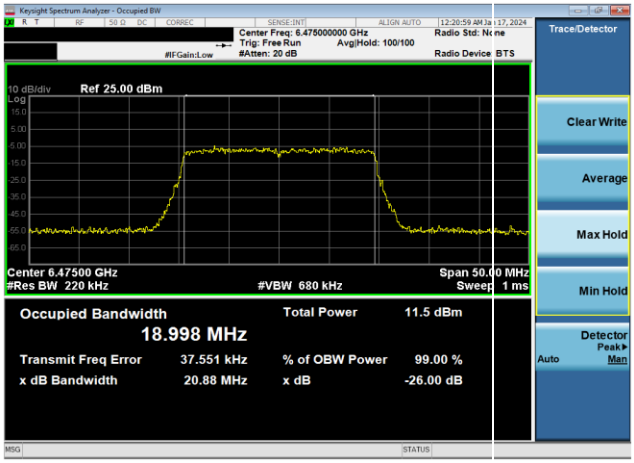
Plot 7-165. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)



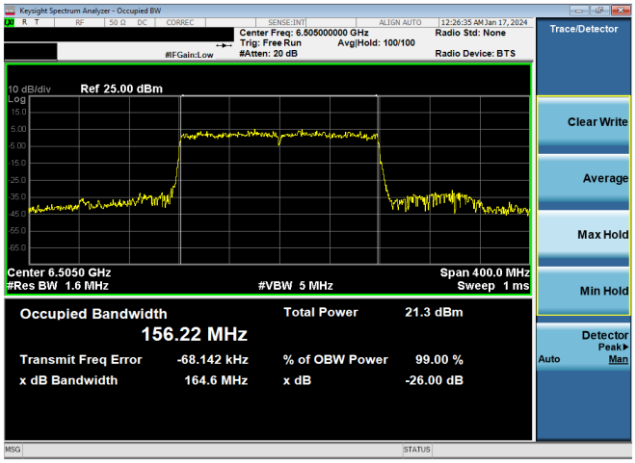
Plot 7-163. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)



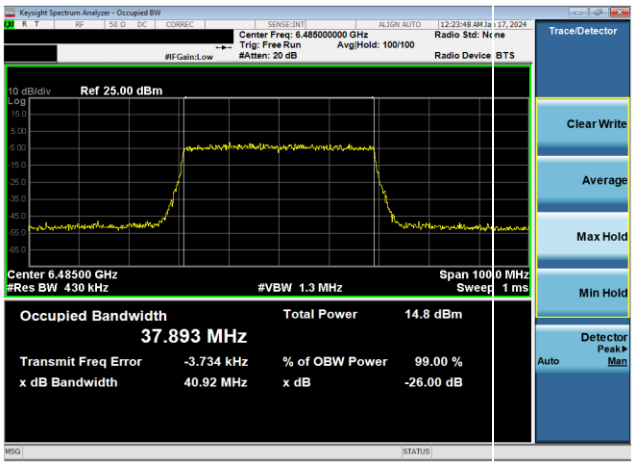
Plot 7-166. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11a (UNII Band 6) – Ch. 105, 54Mbps)



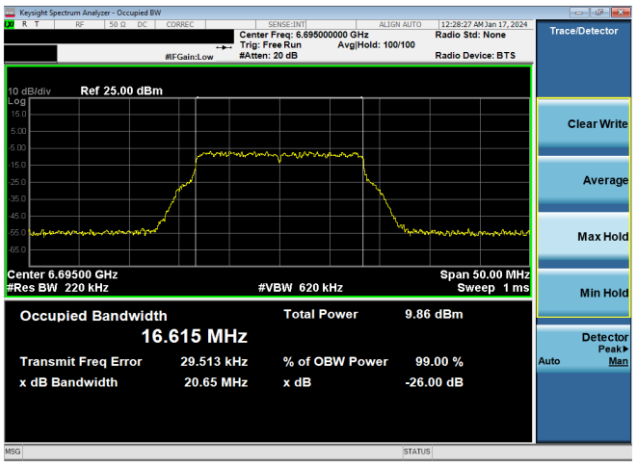
Plot 7-167. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



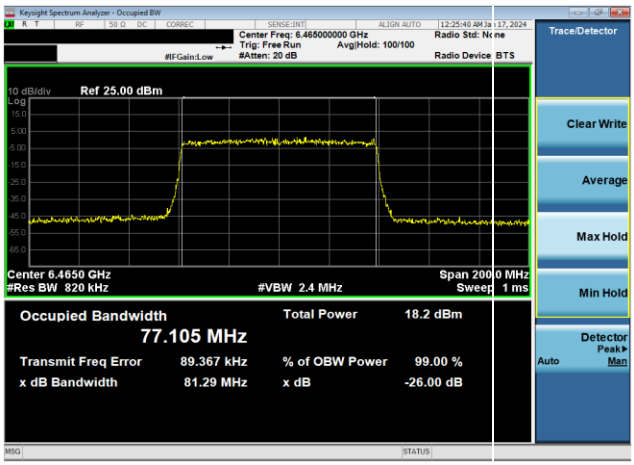
Plot 7-170. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



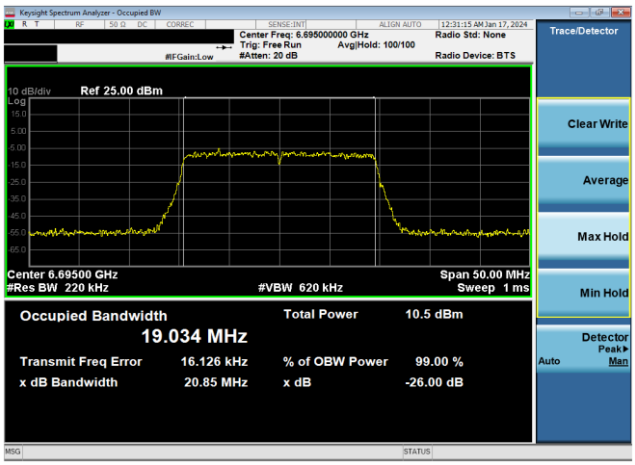
Plot 7-168. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



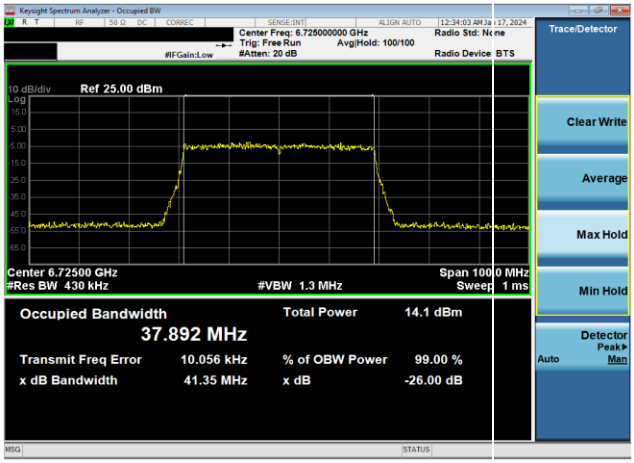
Plot 7-171. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)



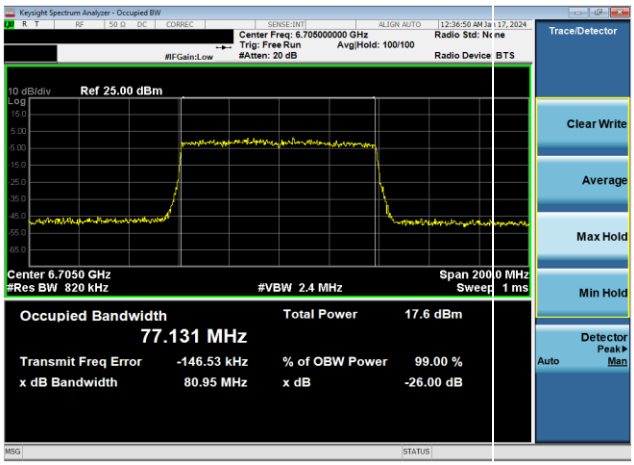
Plot 7-169. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)



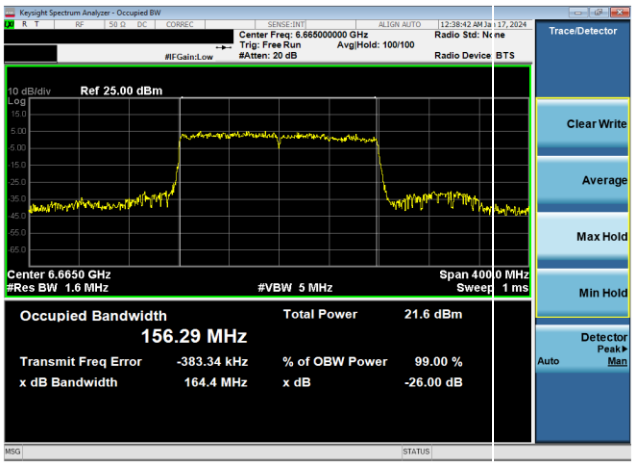
Plot 7-172. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)



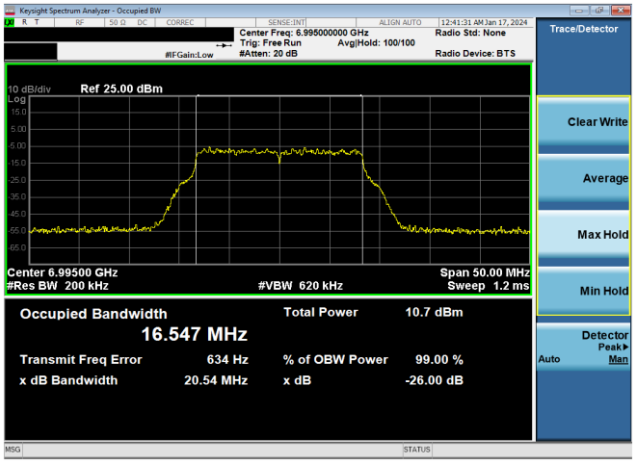
Plot 7-173. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



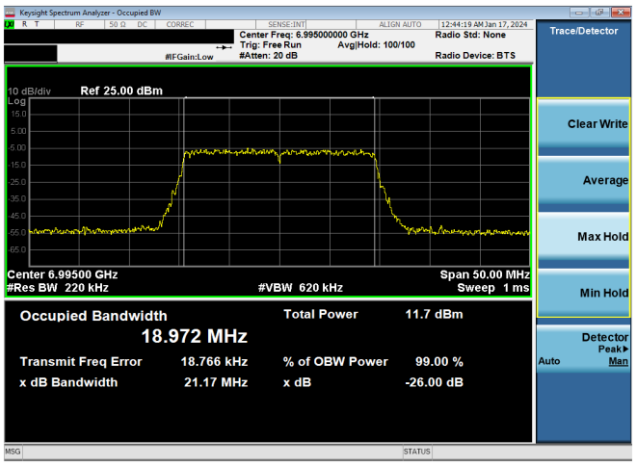
Plot 7-174. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



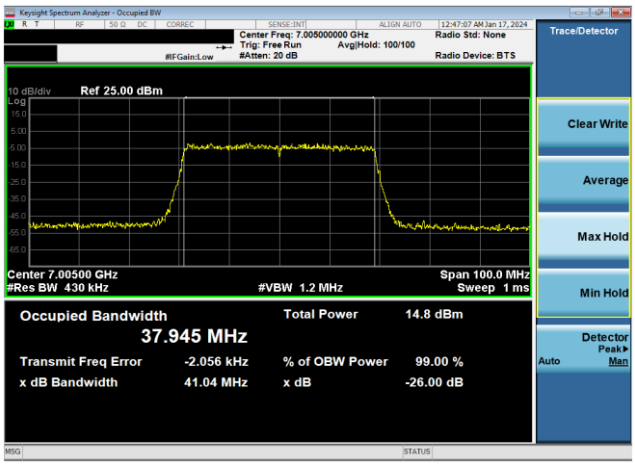
Plot 7-175. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)



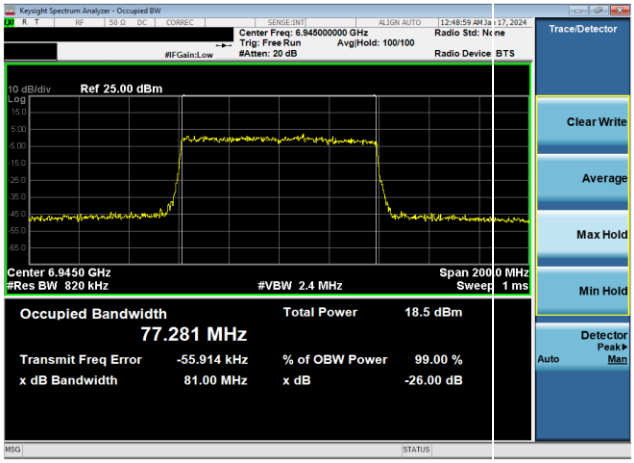
Plot 7-176. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11a (UNII Band 8) – Ch. 209, 54Mbps)



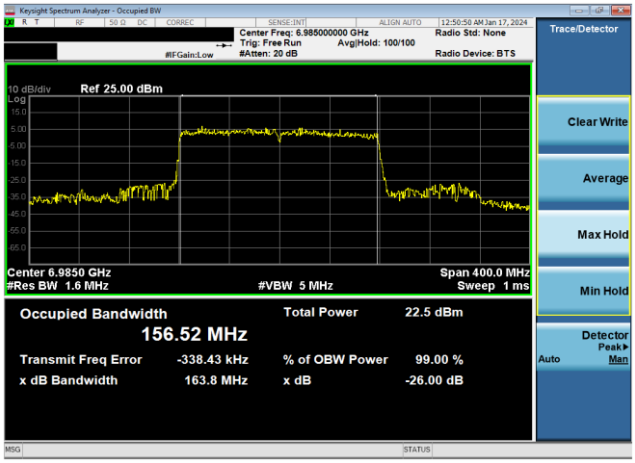
Plot 7-177. 26dB & 99% Bandwidth Plot Antenna WF7 (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS11)



Plot 7-178. 26dB & 99% Bandwidth Plot Antenna WF7 (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS11)



Plot 7-179. 26dB & 99% Bandwidth Plot Antenna WF7 (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS11)



Plot 7-180. 26dB & 99% Bandwidth Plot Antenna WF7 (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS11)

7.3 Conducted Output Power and Max EIRP Measurement – 802.11a/ax(SU)

§ 15.407(a)(8), 15.407(a)(7), RSS-248 [4.5.3], RSS-248 [4.5.5]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

In the 5.925 – 7.125GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm for Standard Power mode (SP) and 24dBm for Low Power Indoor mode (LPI).

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

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. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-2. Test Instrument & Measurement Setup

Test Notes

None

7.3.1 Antenna WF5B Conducted Output Power Measurements

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.85	6.78	1.70	8.55	24.00	-15.45
	6175	45	AVG	7.00	6.93	1.70	8.70	24.00	-15.30
	6415	93	AVG	6.60	6.64	1.70	8.34	24.00	-15.66
	6435	97	AVG	5.95	5.79	2.40	8.35	24.00	-15.65
	6475	105	AVG	5.93	5.81	2.40	8.33	24.00	-15.67
	6515	113	AVG	5.95	5.80	2.40	8.35	24.00	-15.65
	6535	117	AVG	4.93	4.86	3.30	8.23	24.00	-15.77
	6695	149	AVG	4.79	4.82	3.30	8.12	24.00	-15.88
	6875	185	AVG	4.77	4.84	3.30	8.14	24.00	-15.86
	6895	189	AVG	6.03	6.18	2.20	8.38	24.00	-15.62
	6995	209	AVG	6.01	6.13	2.20	8.33	24.00	-15.67
	7115	233	AVG	6.18	6.10	2.20	8.38	24.00	-15.62

Table 7-11. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.82	6.94	1.70	8.64	24.00	-15.36
	6175	45	AVG	6.78	6.86	1.70	8.56	24.00	-15.44
	6415	93	AVG	6.53	6.61	1.70	8.31	24.00	-15.69
	6435	97	AVG	5.87	5.81	2.40	8.27	24.00	-15.73
	6475	105	AVG	5.96	5.79	2.40	8.36	24.00	-15.64
	6515	113	AVG	5.92	5.95	2.40	8.35	24.00	-15.65
	6535	117	AVG	4.87	4.87	3.30	8.17	24.00	-15.83
	6695	149	AVG	4.99	4.76	3.30	8.29	24.00	-15.71
	6875	185	AVG	4.76	4.91	3.30	8.21	24.00	-15.79
	6895	189	AVG	6.04	6.07	2.20	8.27	24.00	-15.73
	6995	209	AVG	6.04	6.16	2.20	8.36	24.00	-15.64
	7115	233	AVG	6.00	6.11	2.20	8.31	24.00	-15.69

Table 7-12. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.94	6.78	1.70	8.64	24.00	-15.36
	6175	45	AVG	6.84	6.81	1.70	8.54	24.00	-15.46
	6415	93	AVG	6.52	6.73	1.70	8.43	24.00	-15.58
	6435	97	AVG	5.90	5.91	2.40	8.31	24.00	-15.69
	6475	105	AVG	5.80	5.93	2.40	8.33	24.00	-15.67
	6515	113	AVG	5.85	5.93	2.40	8.33	24.00	-15.67
	6535	117	AVG	4.78	5.00	3.30	8.30	24.00	-15.70
	6695	149	AVG	5.00	4.86	3.30	8.30	24.00	-15.71
	6875	185	AVG	4.93	4.81	3.30	8.23	24.00	-15.77
	6895	189	AVG	6.10	6.07	2.20	8.30	24.00	-15.70
	6995	209	AVG	6.12	6.05	2.20	8.32	24.00	-15.68
	7115	233	AVG	6.15	6.17	2.20	8.37	24.00	-15.64

Table 7-13. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.87	1.70	11.57	24.00	-12.43
	6165	43	AVG	9.85	1.70	11.55	24.00	-12.45
	6405	91	AVG	9.58	1.70	11.28	24.00	-12.72
	6445	99	AVG	8.90	2.40	11.30	24.00	-12.70
	6485	107	AVG	8.93	2.40	11.33	24.00	-12.67
	6525	115	AVG	7.92	3.30	11.22	24.00	-12.78
	6565	123	AVG	7.86	3.30	11.16	24.00	-12.84
	6725	155	AVG	7.83	3.30	11.13	24.00	-12.87
	6845	179	AVG	7.77	3.30	11.07	24.00	-12.93
	6885	187	AVG	7.76	2.20	9.96	24.00	-14.04
	7005	211	AVG	9.01	2.20	11.21	24.00	-12.79
	7085	227	AVG	9.10	2.20	11.30	24.00	-12.70

Table 7-14. Antenna WF5B 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.99	1.70	11.69	24.00	-12.31
	6165	43	AVG	9.90	1.70	11.60	24.00	-12.40
	6405	91	AVG	9.58	1.70	11.28	24.00	-12.72
	6445	99	AVG	8.93	2.40	11.33	24.00	-12.67
	6485	107	AVG	8.82	2.40	11.22	24.00	-12.79
	6525	115	AVG	7.81	3.30	11.11	24.00	-12.89
	6565	123	AVG	7.82	3.30	11.12	24.00	-12.88
	6725	155	AVG	7.87	3.30	11.17	24.00	-12.83
	6845	179	AVG	7.87	3.30	11.17	24.00	-12.84
	6885	187	AVG	7.84	2.20	10.04	24.00	-13.96
	7005	211	AVG	9.08	2.20	11.28	24.00	-12.72
	7085	227	AVG	9.01	2.20	11.21	24.00	-12.79

Table 7-15. Antenna WF5B 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.93	1.70	11.63	24.00	-12.37
	6165	43	AVG	9.86	1.70	11.56	24.00	-12.44
	6405	91	AVG	9.62	1.70	11.32	24.00	-12.68
	6445	99	AVG	8.98	2.40	11.38	24.00	-12.62
	6485	107	AVG	8.94	2.40	11.34	24.00	-12.66
	6525	115	AVG	7.91	3.30	11.21	24.00	-12.79
	6565	123	AVG	7.90	3.30	11.20	24.00	-12.80
	6725	155	AVG	7.79	3.30	11.09	24.00	-12.91
	6845	179	AVG	7.86	3.30	11.16	24.00	-12.84
	6885	187	AVG	7.91	2.20	10.11	24.00	-13.89
	7005	211	AVG	9.01	2.20	11.21	24.00	-12.79
	7085	227	AVG	9.01	2.20	11.21	24.00	-12.79

Table 7-16. Antenna WF5B 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	13.00	1.70	14.70	24.00	-9.30
	6145	39	AVG	12.97	1.70	14.67	24.00	-9.33
	6385	87	AVG	12.57	1.70	14.27	24.00	-9.73
	6465	103	AVG	11.76	2.40	14.16	24.00	-9.84
	6545	119	AVG	10.79	3.30	14.09	24.00	-9.91
	6705	151	AVG	10.86	3.30	14.16	24.00	-9.84
	6865	183	AVG	10.85	3.30	14.15	24.00	-9.85
	6945	199	AVG	12.11	2.20	14.31	24.00	-9.69
	7025	215	AVG	12.06	2.20	14.26	24.00	-9.74

Table 7-17. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.86	1.70	14.56	24.00	-9.44
	6145	39	AVG	12.85	1.70	14.55	24.00	-9.45
	6385	87	AVG	12.69	1.70	14.39	24.00	-9.61
	6465	103	AVG	11.91	2.40	14.31	24.00	-9.69
	6545	119	AVG	10.88	3.30	14.18	24.00	-9.82
	6705	151	AVG	10.76	3.30	14.06	24.00	-9.94
	6865	183	AVG	10.88	3.30	14.18	24.00	-9.82
	6945	199	AVG	12.14	2.20	14.34	24.00	-9.66
	7025	215	AVG	12.05	2.20	14.25	24.00	-9.75

Table 7-18. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.75	1.70	14.45	24.00	-9.55
	6145	39	AVG	12.86	1.70	14.56	24.00	-9.44
	6385	87	AVG	12.71	1.70	14.41	24.00	-9.59
	6465	103	AVG	11.83	2.40	14.23	24.00	-9.77
	6545	119	AVG	10.91	3.30	14.21	24.00	-9.80
	6705	151	AVG	10.78	3.30	14.08	24.00	-9.92
	6865	183	AVG	10.92	3.30	14.22	24.00	-9.78
	6945	199	AVG	12.20	2.20	14.40	24.00	-9.60
	7025	215	AVG	12.09	2.20	14.29	24.00	-9.71

Table 7-19. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.49	1.70	17.19	24.00	-6.81
	6185	47	AVG	15.37	1.70	17.07	24.00	-6.94
	6345	79	AVG	15.21	1.70	16.91	24.00	-7.09
	6505	111	AVG	13.45	2.40	15.85	24.00	-8.15
	6665	143	AVG	13.26	3.30	16.56	24.00	-7.44
	6825	175	AVG	13.26	3.30	16.56	24.00	-7.44
	6985	207	AVG	14.68	2.20	16.88	24.00	-7.13

Table 7-20. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.27	1.70	16.97	24.00	-7.03
	6185	47	AVG	15.35	1.70	17.05	24.00	-6.95
	6345	79	AVG	15.11	1.70	16.81	24.00	-7.19
	6505	111	AVG	13.43	2.40	15.83	24.00	-8.17
	6665	143	AVG	13.36	3.30	16.66	24.00	-7.34
	6825	175	AVG	13.32	3.30	16.62	24.00	-7.38
	6985	207	AVG	14.64	2.20	16.84	24.00	-7.16

Table 7-21. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.33	1.70	17.03	24.00	-6.97
	6185	47	AVG	15.49	1.70	17.19	24.00	-6.81
	6345	79	AVG	15.00	1.70	16.70	24.00	-7.30
	6505	111	AVG	13.36	2.40	15.76	24.00	-8.24
	6665	143	AVG	13.29	3.30	16.59	24.00	-7.41
	6825	175	AVG	13.31	3.30	16.61	24.00	-7.39
	6985	207	AVG	14.57	2.20	16.77	24.00	-7.23

Table 7-22. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.82	17.73	1.70	19.52	30.00	-10.48
	6175	45	AVG	17.72	17.93	1.70	19.63	30.00	-10.37
	6415	93	AVG	17.73	17.97	1.70	19.67	30.00	-10.33
	6535	117	AVG	17.73	17.89	3.30	21.19	30.00	-8.81
	6695	149	AVG	17.58	17.74	3.30	21.04	30.00	-8.96
	6855	181	AVG	17.38	17.84	3.30	21.14	30.00	-8.86

Table 7-23. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.93	17.76	1.70	19.63	30.00	-10.37
	6175	45	AVG	17.86	17.99	1.70	19.69	30.00	-10.31
	6415	93	AVG	17.98	17.99	1.70	19.69	30.00	-10.31
	6535	117	AVG	17.82	17.92	3.30	21.22	30.00	-8.78
	6695	149	AVG	17.67	17.77	3.30	21.07	30.00	-8.93
	6855	181	AVG	17.72	17.85	3.30	21.15	30.00	-8.85

Table 7-24. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.95	17.83	1.70	19.65	30.00	-10.35
	6175	45	AVG	17.79	17.75	1.70	19.49	30.00	-10.51
	6415	93	AVG	17.87	17.86	1.70	19.57	30.00	-10.43
	6535	117	AVG	17.84	17.71	3.30	21.14	30.00	-8.86
	6695	149	AVG	17.67	17.55	3.30	20.97	30.00	-9.03
	6855	181	AVG	17.74	17.62	3.30	21.04	30.00	-8.96

Table 7-25. Antenna WF5B 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.88	1.70	19.58	30.00	-10.42
	6165	43	AVG	17.75	1.70	19.45	30.00	-10.55
	6405	91	AVG	17.86	1.70	19.56	30.00	-10.44
	6565	123	AVG	17.87	3.30	21.17	30.00	-8.83
	6725	155	AVG	17.81	3.30	21.11	30.00	-8.89
	6845	179	AVG	17.98	3.30	21.28	30.00	-8.72

Table 7-26. Antenna WF5B 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.96	1.70	19.66	30.00	-10.34
	6165	43	AVG	17.80	1.70	19.50	30.00	-10.50
	6405	91	AVG	17.90	1.70	19.60	30.00	-10.40
	6565	123	AVG	17.89	3.30	21.19	30.00	-8.81
	6725	155	AVG	17.82	3.30	21.12	30.00	-8.88
	6845	179	AVG	17.72	3.30	21.02	30.00	-8.98

Table 7-27. Antenna WF5B 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.74	1.70	19.44	30.00	-10.56
	6165	43	AVG	17.73	1.70	19.43	30.00	-10.57
	6405	91	AVG	17.81	1.70	19.51	30.00	-10.49
	6565	123	AVG	17.82	3.30	21.12	30.00	-8.88
	6725	155	AVG	17.77	3.30	21.07	30.00	-8.93
	6845	179	AVG	17.95	3.30	21.25	30.00	-8.75

Table 7-28. Antenna WF5B 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.87	1.70	19.57	30.00	-10.43
	6145	39	AVG	17.91	1.70	19.61	30.00	-10.40
	6385	87	AVG	17.86	1.70	19.56	30.00	-10.44
	6625	135	AVG	17.99	3.30	21.29	30.00	-8.71
	6705	151	AVG	17.95	3.30	21.25	30.00	-8.75
	6785	167	AVG	17.93	3.30	21.23	30.00	-8.78

Table 7-29. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.85	1.70	19.55	30.00	-10.45
	6145	39	AVG	17.92	1.70	19.62	30.00	-10.38
	6385	87	AVG	17.86	1.70	19.56	30.00	-10.44
	6625	135	AVG	18.00	3.30	21.30	30.00	-8.70
	6705	151	AVG	17.92	3.30	21.22	30.00	-8.78
	6785	167	AVG	17.87	3.30	21.17	30.00	-8.83

Table 7-30. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.66	1.70	19.36	30.00	-10.64
	6145	39	AVG	17.63	1.70	19.33	30.00	-10.67
	6385	87	AVG	17.65	1.70	19.35	30.00	-10.65
	6625	135	AVG	17.94	3.30	21.24	30.00	-8.76
	6705	151	AVG	17.73	3.30	21.03	30.00	-8.97
	6785	167	AVG	17.70	3.30	21.00	30.00	-9.00

Table 7-31. Antenna WF5B 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.74	1.70	19.44	30.00	-10.56
	6185	47	AVG	17.50	1.70	19.20	30.00	-10.80
	6345	79	AVG	17.39	1.70	19.09	30.00	-10.91
	6665	143	AVG	17.39	3.30	20.69	30.00	-9.31

Table 7-32. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.65	1.70	19.35	30.00	-10.65
	6185	47	AVG	17.33	1.70	19.03	30.00	-10.97
	6345	79	AVG	17.27	1.70	18.97	30.00	-11.03
	6665	143	AVG	17.29	3.30	20.59	30.00	-9.41

Table 7-33. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.59	1.70	19.29	30.00	-10.72
	6185	47	AVG	17.31	1.70	19.01	30.00	-11.00
	6345	79	AVG	17.16	1.70	18.86	30.00	-11.14
	6665	143	AVG	17.20	3.30	20.50	30.00	-9.50

Table 7-34. Antenna WF5B 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

7.3.2 Antenna WF8 Conducted Output Power Measurements

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.70	6.89	1.30	8.19	24.00	-15.81
	6175	45	AVG	6.97	6.80	1.30	8.27	24.00	-15.73
	6415	93	AVG	6.68	6.69	1.30	7.99	24.00	-16.01
	6435	97	AVG	5.82	5.85	-0.10	5.75	24.00	-18.25
	6475	105	AVG	5.97	5.86	-0.10	5.87	24.00	-18.13
	6515	113	AVG	5.90	5.85	-0.10	5.80	24.00	-18.20
	6535	117	AVG	4.85	4.78	1.40	6.25	24.00	-17.75
	6695	149	AVG	4.83	4.78	1.40	6.23	24.00	-17.77
	6875	185	AVG	4.93	4.84	1.40	6.33	24.00	-17.67
	6895	189	AVG	6.06	6.05	-0.30	5.76	24.00	-18.24
	6995	209	AVG	6.14	6.00	-0.30	5.84	24.00	-18.16
	7115	233	AVG	5.98	6.13	-0.30	5.83	24.00	-18.17

Table 7-35. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.72	6.95	1.30	8.25	24.00	-15.75
	6175	45	AVG	6.82	6.88	1.30	8.18	24.00	-15.82
	6415	93	AVG	6.55	6.57	1.30	7.87	24.00	-16.13
	6435	97	AVG	5.88	5.80	-0.10	5.78	24.00	-18.22
	6475	105	AVG	5.94	5.82	-0.10	5.84	24.00	-18.16
	6515	113	AVG	5.78	5.77	-0.10	5.68	24.00	-18.32
	6535	117	AVG	4.94	4.79	1.40	6.34	24.00	-17.66
	6695	149	AVG	4.76	4.86	1.40	6.26	24.00	-17.74
	6875	185	AVG	4.83	4.91	1.40	6.31	24.00	-17.69
	6895	189	AVG	6.20	6.17	-0.30	5.90	24.00	-18.11
	6995	209	AVG	6.10	6.13	-0.30	5.83	24.00	-18.17
	7115	233	AVG	6.13	6.16	-0.30	5.86	24.00	-18.14

Table 7-36. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.79	6.78	1.30	8.09	24.00	-15.91
	6175	45	AVG	6.78	6.86	1.30	8.16	24.00	-15.84
	6415	93	AVG	6.69	6.55	1.30	7.99	24.00	-16.01
	6435	97	AVG	5.89	5.89	-0.10	5.79	24.00	-18.21
	6475	105	AVG	5.80	5.87	-0.10	5.77	24.00	-18.23
	6515	113	AVG	5.85	5.85	-0.10	5.75	24.00	-18.25
	6535	117	AVG	4.77	4.75	1.40	6.17	24.00	-17.83
	6695	149	AVG	4.80	4.77	1.40	6.20	24.00	-17.80
	6875	185	AVG	4.91	4.91	1.40	6.31	24.00	-17.69
	6895	189	AVG	6.15	6.03	-0.30	5.85	24.00	-18.15
	6995	209	AVG	6.05	6.11	-0.30	5.81	24.00	-18.19
	7115	233	AVG	6.16	6.11	-0.30	5.86	24.00	-18.14

Table 7-37. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.86	1.30	11.16	24.00	-12.84
	6165	43	AVG	9.85	1.30	11.15	24.00	-12.85
	6405	91	AVG	9.60	1.30	10.90	24.00	-13.10
	6445	99	AVG	8.80	-0.10	8.70	24.00	-15.30
	6485	107	AVG	8.84	-0.10	8.74	24.00	-15.26
	6525	115	AVG	7.78	1.40	9.18	24.00	-14.82
	6565	123	AVG	7.91	1.40	9.31	24.00	-14.69
	6725	155	AVG	7.90	1.40	9.30	24.00	-14.70
	6845	179	AVG	7.88	1.40	9.28	24.00	-14.72
	6885	187	AVG	7.78	-0.30	7.48	24.00	-16.52
	7005	211	AVG	8.97	-0.30	8.67	24.00	-15.33
	7085	227	AVG	9.08	-0.30	8.78	24.00	-15.22

Table 7-38. Antenna WF8 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.99	1.30	11.29	24.00	-12.71
	6165	43	AVG	9.93	1.30	11.23	24.00	-12.78
	6405	91	AVG	9.47	1.30	10.77	24.00	-13.23
	6445	99	AVG	8.89	-0.10	8.79	24.00	-15.21
	6485	107	AVG	8.96	-0.10	8.86	24.00	-15.14
	6525	115	AVG	7.89	1.40	9.29	24.00	-14.71
	6565	123	AVG	7.78	1.40	9.18	24.00	-14.82
	6725	155	AVG	7.85	1.40	9.25	24.00	-14.75
	6845	179	AVG	7.81	1.40	9.21	24.00	-14.79
	6885	187	AVG	7.90	-0.30	7.60	24.00	-16.40
	7005	211	AVG	9.15	-0.30	8.85	24.00	-15.15
	7085	227	AVG	9.05	-0.30	8.75	24.00	-15.25

Table 7-39. Antenna WF8 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.96	1.30	11.26	24.00	-12.74
	6165	43	AVG	9.84	1.30	11.14	24.00	-12.86
	6405	91	AVG	9.60	1.30	10.90	24.00	-13.11
	6445	99	AVG	8.91	-0.10	8.81	24.00	-15.19
	6485	107	AVG	8.83	-0.10	8.73	24.00	-15.27
	6525	115	AVG	7.80	1.40	9.20	24.00	-14.80
	6565	123	AVG	7.89	1.40	9.29	24.00	-14.71
	6725	155	AVG	7.89	1.40	9.29	24.00	-14.71
	6845	179	AVG	7.86	1.40	9.26	24.00	-14.74
	6885	187	AVG	7.84	-0.30	7.54	24.00	-16.46
	7005	211	AVG	8.99	-0.30	8.69	24.00	-15.31
	7085	227	AVG	9.07	-0.30	8.77	24.00	-15.23

Table 7-40. Antenna WF8 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.81	1.30	14.11	24.00	-9.89
	6145	39	AVG	12.90	1.30	14.20	24.00	-9.80
	6385	87	AVG	12.58	1.30	13.88	24.00	-10.13
	6465	103	AVG	11.78	-0.10	11.68	24.00	-12.32
	6545	119	AVG	10.78	1.40	12.18	24.00	-11.82
	6705	151	AVG	10.75	1.40	12.15	24.00	-11.85
	6865	183	AVG	10.76	1.40	12.16	24.00	-11.84
	6945	199	AVG	11.95	-0.30	11.65	24.00	-12.35
	7025	215	AVG	11.97	-0.30	11.67	24.00	-12.33

Table 7-41. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.80	1.30	14.10	24.00	-9.90
	6145	39	AVG	12.90	1.30	14.20	24.00	-9.80
	6385	87	AVG	12.61	1.30	13.91	24.00	-10.09
	6465	103	AVG	11.77	-0.10	11.67	24.00	-12.33
	6545	119	AVG	10.76	1.40	12.16	24.00	-11.84
	6705	151	AVG	10.80	1.40	12.20	24.00	-11.80
	6865	183	AVG	10.88	1.40	12.28	24.00	-11.72
	6945	199	AVG	12.18	-0.30	11.88	24.00	-12.12
	7025	215	AVG	12.11	-0.30	11.81	24.00	-12.19

Table 7-42. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.97	1.30	14.27	24.00	-9.73
	6145	39	AVG	12.89	1.30	14.19	24.00	-9.81
	6385	87	AVG	12.53	1.30	13.83	24.00	-10.17
	6465	103	AVG	11.87	-0.10	11.77	24.00	-12.23
	6545	119	AVG	10.79	1.40	12.19	24.00	-11.81
	6705	151	AVG	10.89	1.40	12.29	24.00	-11.71
	6865	183	AVG	10.82	1.40	12.22	24.00	-11.78
	6945	199	AVG	12.06	-0.30	11.76	24.00	-12.24
	7025	215	AVG	12.11	-0.30	11.81	24.00	-12.19

Table 7-43. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.44	1.30	16.74	24.00	-7.26
	6185	47	AVG	15.32	1.30	16.62	24.00	-7.38
	6345	79	AVG	15.04	1.30	16.34	24.00	-7.66
	6505	111	AVG	13.41	-0.10	13.31	24.00	-10.69
	6665	143	AVG	13.36	1.40	14.76	24.00	-9.24
	6825	175	AVG	13.23	1.40	14.63	24.00	-9.37
	6985	207	AVG	14.65	-0.30	14.35	24.00	-9.65

Table 7-44. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.48	1.30	16.78	24.00	-7.22
	6185	47	AVG	15.39	1.30	16.69	24.00	-7.31
	6345	79	AVG	15.06	1.30	16.36	24.00	-7.64
	6505	111	AVG	13.29	-0.10	13.19	24.00	-10.81
	6665	143	AVG	13.36	1.40	14.76	24.00	-9.24
	6825	175	AVG	13.40	1.40	14.80	24.00	-9.20
	6985	207	AVG	14.61	-0.30	14.31	24.00	-9.69

Table 7-45. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.40	1.30	16.70	24.00	-7.30
	6185	47	AVG	15.22	1.30	16.52	24.00	-7.48
	6345	79	AVG	15.11	1.30	16.41	24.00	-7.59
	6505	111	AVG	13.33	-0.10	13.23	24.00	-10.77
	6665	143	AVG	13.38	1.40	14.78	24.00	-9.22
	6825	175	AVG	13.20	1.40	14.60	24.00	-9.40
	6985	207	AVG	14.56	-0.30	14.26	24.00	-9.74

Table 7-46. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.80	17.95	1.30	19.25	30.00	-10.75
	6175	45	AVG	17.88	17.92	1.30	19.22	30.00	-10.78
	6415	93	AVG	17.51	17.67	1.30	18.97	30.00	-11.03
	6535	117	AVG	17.54	17.75	1.40	19.15	30.00	-10.85
	6695	149	AVG	17.32	17.49	1.40	18.89	30.00	-11.11
	6855	181	AVG	17.18	17.46	1.40	18.86	30.00	-11.14

Table 7-47. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.88	17.95	1.30	19.25	30.00	-10.75
	6175	45	AVG	17.71	17.88	1.30	19.18	30.00	-10.82
	6415	93	AVG	17.61	17.79	1.30	19.09	30.00	-10.91
	6535	117	AVG	17.60	17.71	1.40	19.11	30.00	-10.89
	6695	149	AVG	17.43	17.51	1.40	18.91	30.00	-11.09
	6855	181	AVG	17.23	17.40	1.40	18.80	30.00	-11.20

Table 7-48. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.96	17.74	1.30	19.26	30.00	-10.74
	6175	45	AVG	17.75	17.92	1.30	19.22	30.00	-10.78
	6415	93	AVG	17.62	17.55	1.30	18.92	30.00	-11.09
	6535	117	AVG	17.64	17.54	1.40	19.04	30.00	-10.96
	6695	149	AVG	17.52	17.34	1.40	18.92	30.00	-11.08
	6855	181	AVG	17.34	17.87	1.40	19.27	30.00	-10.73

Table 7-49. Antenna WF8 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.98	1.30	19.28	30.00	-10.72
	6165	43	AVG	17.81	1.30	19.11	30.00	-10.89
	6405	91	AVG	17.41	1.30	18.71	30.00	-11.29
	6565	123	AVG	17.76	1.40	19.16	30.00	-10.84
	6725	155	AVG	17.60	1.40	19.00	30.00	-11.00
	6845	179	AVG	17.64	1.40	19.04	30.00	-10.96

Table 7-50. Antenna WF8 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.71	1.30	19.01	30.00	-10.99
	6165	43	AVG	17.76	1.30	19.06	30.00	-10.94
	6405	91	AVG	17.44	1.30	18.74	30.00	-11.26
	6565	123	AVG	17.79	1.40	19.19	30.00	-10.81
	6725	155	AVG	17.67	1.40	19.07	30.00	-10.93
	6845	179	AVG	17.74	1.40	19.14	30.00	-10.86

Table 7-51. Antenna WF8 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.91	1.30	19.21	30.00	-10.79
	6165	43	AVG	17.74	1.30	19.04	30.00	-10.96
	6405	91	AVG	17.42	1.30	18.72	30.00	-11.28
	6565	123	AVG	17.79	1.40	19.19	30.00	-10.81
	6725	155	AVG	17.67	1.40	19.07	30.00	-10.93
	6845	179	AVG	17.68	1.40	19.08	30.00	-10.92

Table 7-52. Antenna WF8 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.76	1.30	19.06	30.00	-10.94
	6145	39	AVG	17.83	1.30	19.13	30.00	-10.87
	6385	87	AVG	17.46	1.30	18.76	30.00	-11.24
	6625	135	AVG	17.97	1.40	19.37	30.00	-10.63
	6705	151	AVG	17.71	1.40	19.11	30.00	-10.89
	6785	167	AVG	17.80	1.40	19.20	30.00	-10.81

Table 7-53. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.75	1.30	19.05	30.00	-10.95
	6145	39	AVG	17.91	1.30	19.21	30.00	-10.79
	6385	87	AVG	17.46	1.30	18.76	30.00	-11.24
	6625	135	AVG	17.55	1.40	18.95	30.00	-11.05
	6705	151	AVG	17.66	1.40	19.06	30.00	-10.94
	6785	167	AVG	17.40	1.40	18.80	30.00	-11.20

Table 7-54. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.53	1.30	18.83	30.00	-11.17
	6145	39	AVG	17.59	1.30	18.89	30.00	-11.11
	6385	87	AVG	17.27	1.30	18.57	30.00	-11.43
	6625	135	AVG	17.72	1.40	19.12	30.00	-10.88
	6705	151	AVG	17.45	1.40	18.85	30.00	-11.15
	6785	167	AVG	17.21	1.40	18.61	30.00	-11.39

Table 7-55. Antenna WF8 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.54	1.30	18.84	30.00	-11.16
	6185	47	AVG	17.34	1.30	18.64	30.00	-11.36
	6345	79	AVG	17.09	1.30	18.39	30.00	-11.61
	6665	143	AVG	17.30	1.40	18.70	30.00	-11.30

Table 7-56. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.34	1.30	18.64	30.00	-11.36
	6185	47	AVG	17.21	1.30	18.51	30.00	-11.49
	6345	79	AVG	17.53	1.30	18.83	30.00	-11.17
	6665	143	AVG	17.14	1.40	18.54	30.00	-11.46

Table 7-57. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.27	1.30	18.57	30.00	-11.43
	6185	47	AVG	17.11	1.30	18.41	30.00	-11.59
	6345	79	AVG	17.29	1.30	18.59	30.00	-11.41
	6665	143	AVG	17.07	1.40	18.47	30.00	-11.53

Table 7-58. Antenna WF8 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

7.3.3 Antenna WF7 Conducted Output Power Measurements

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.82	6.95	1.00	7.95	24.00	-16.05
	6175	45	AVG	6.82	6.88	1.00	7.88	24.00	-16.12
	6415	93	AVG	6.57	6.72	1.00	7.72	24.00	-16.28
	6435	97	AVG	5.78	5.83	0.60	6.43	24.00	-17.57
	6475	105	AVG	5.84	5.87	0.60	6.47	24.00	-17.53
	6515	113	AVG	5.80	5.99	0.60	6.59	24.00	-17.41
	6535	117	AVG	4.85	4.81	1.60	6.45	24.00	-17.55
	6695	149	AVG	4.88	4.86	1.60	6.48	24.00	-17.53
	6875	185	AVG	4.99	4.84	1.60	6.59	24.00	-17.41
	6895	189	AVG	6.13	6.14	1.50	7.64	24.00	-16.36
	6995	209	AVG	6.16	6.13	1.50	7.66	24.00	-16.34
	7115	233	AVG	6.08	6.03	1.50	7.58	24.00	-16.42

Table 7-59. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.92	6.85	1.00	7.92	24.00	-16.08
	6175	45	AVG	6.88	6.76	1.00	7.88	24.00	-16.13
	6415	93	AVG	6.63	6.53	1.00	7.63	24.00	-16.37
	6435	97	AVG	5.94	5.87	0.60	6.54	24.00	-17.46
	6475	105	AVG	5.77	5.71	0.60	6.37	24.00	-17.63
	6515	113	AVG	5.96	5.82	0.60	6.56	24.00	-17.45
	6535	117	AVG	4.93	4.89	1.60	6.53	24.00	-17.47
	6695	149	AVG	4.85	4.88	1.60	6.48	24.00	-17.52
	6875	185	AVG	4.78	4.86	1.60	6.46	24.00	-17.54
	6895	189	AVG	6.16	6.02	1.50	7.66	24.00	-16.34
	6995	209	AVG	6.12	6.09	1.50	7.62	24.00	-16.38
	7115	233	AVG	6.13	6.08	1.50	7.63	24.00	-16.37

Table 7-60. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	6.84	6.81	1.00	7.84	24.00	-16.16
	6175	45	AVG	6.96	6.87	1.00	7.96	24.00	-16.04
	6415	93	AVG	6.55	6.69	1.00	7.69	24.00	-16.32
	6435	97	AVG	5.90	5.83	0.60	6.50	24.00	-17.50
	6475	105	AVG	5.70	5.84	0.60	6.44	24.00	-17.56
	6515	113	AVG	5.94	5.77	0.60	6.54	24.00	-17.46
	6535	117	AVG	4.94	4.87	1.60	6.54	24.00	-17.46
	6695	149	AVG	4.97	4.88	1.60	6.57	24.00	-17.43
	6875	185	AVG	4.79	4.76	1.60	6.39	24.00	-17.61
	6895	189	AVG	6.16	6.04	1.50	7.66	24.00	-16.34
	6995	209	AVG	6.06	5.95	1.50	7.56	24.00	-16.44
	7115	233	AVG	5.97	6.08	1.50	7.58	24.00	-16.42

Table 7-61. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.87	1.00	10.87	24.00	-13.13
	6165	43	AVG	9.81	1.00	10.81	24.00	-13.19
	6405	91	AVG	9.70	1.00	10.70	24.00	-13.31
	6445	99	AVG	8.82	0.60	9.42	24.00	-14.58
	6485	107	AVG	8.80	0.60	9.40	24.00	-14.61
	6525	115	AVG	7.87	1.60	9.47	24.00	-14.53
	6565	123	AVG	7.90	1.60	9.50	24.00	-14.50
	6725	155	AVG	7.80	1.60	9.40	24.00	-14.60
	6845	179	AVG	7.97	1.60	9.57	24.00	-14.43
	6885	187	AVG	7.98	1.50	9.48	24.00	-14.53
	7005	211	AVG	9.07	1.50	10.57	24.00	-13.44
	7085	227	AVG	9.11	1.50	10.61	24.00	-13.39

Table 7-62. Antenna WF7 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.86	1.00	10.86	24.00	-13.15
	6165	43	AVG	9.77	1.00	10.77	24.00	-13.23
	6405	91	AVG	9.64	1.00	10.64	24.00	-13.36
	6445	99	AVG	8.92	0.60	9.52	24.00	-14.48
	6485	107	AVG	8.74	0.60	9.34	24.00	-14.66
	6525	115	AVG	7.83	1.60	9.43	24.00	-14.57
	6565	123	AVG	7.93	1.60	9.53	24.00	-14.47
	6725	155	AVG	7.95	1.60	9.55	24.00	-14.45
	6845	179	AVG	7.90	1.60	9.50	24.00	-14.50
	6885	187	AVG	7.81	1.50	9.31	24.00	-14.69
	7005	211	AVG	9.07	1.50	10.57	24.00	-13.43
	7085	227	AVG	9.03	1.50	10.53	24.00	-13.47

Table 7-63. Antenna WF7 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	9.87	1.00	10.87	24.00	-13.13
	6165	43	AVG	9.83	1.00	10.83	24.00	-13.17
	6405	91	AVG	9.55	1.00	10.55	24.00	-13.45
	6445	99	AVG	8.81	0.60	9.41	24.00	-14.59
	6485	107	AVG	8.80	0.60	9.40	24.00	-14.60
	6525	115	AVG	7.81	1.60	9.41	24.00	-14.59
	6565	123	AVG	7.94	1.60	9.54	24.00	-14.46
	6725	155	AVG	7.79	1.60	9.39	24.00	-14.61
	6845	179	AVG	7.80	1.60	9.40	24.00	-14.60
	6885	187	AVG	7.87	1.50	9.37	24.00	-14.63
	7005	211	AVG	9.07	1.50	10.57	24.00	-13.43
	7085	227	AVG	9.10	1.50	10.60	24.00	-13.40

Table 7-64. Antenna WF7 40MHz 802.11ax(SU) BW (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.95	1.00	13.95	24.00	-10.05
	6145	39	AVG	12.84	1.00	13.84	24.00	-10.16
	6385	87	AVG	12.69	1.00	13.69	24.00	-10.31
	6465	103	AVG	11.93	0.60	12.53	24.00	-11.47
	6545	119	AVG	10.91	1.60	12.51	24.00	-11.50
	6705	151	AVG	10.77	1.60	12.37	24.00	-11.63
	6865	183	AVG	10.88	1.60	12.48	24.00	-11.52
	6945	199	AVG	12.12	1.50	13.62	24.00	-10.38
	7025	215	AVG	11.97	1.50	13.47	24.00	-10.53

Table 7-65. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.84	1.00	13.84	24.00	-10.17
	6145	39	AVG	12.85	1.00	13.85	24.00	-10.15
	6385	87	AVG	12.69	1.00	13.69	24.00	-10.31
	6465	103	AVG	11.77	0.60	12.37	24.00	-11.63
	6545	119	AVG	10.84	1.60	12.44	24.00	-11.56
	6705	151	AVG	10.86	1.60	12.46	24.00	-11.54
	6865	183	AVG	10.87	1.60	12.47	24.00	-11.53
	6945	199	AVG	12.22	1.50	13.72	24.00	-10.28
	7025	215	AVG	12.25	1.50	13.75	24.00	-10.25

Table 7-66. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	12.75	1.00	13.75	24.00	-10.25
	6145	39	AVG	12.75	1.00	13.75	24.00	-10.26
	6385	87	AVG	12.72	1.00	13.72	24.00	-10.28
	6465	103	AVG	11.86	0.60	12.46	24.00	-11.54
	6545	119	AVG	10.96	1.60	12.56	24.00	-11.44
	6705	151	AVG	10.81	1.60	12.41	24.00	-11.59
	6865	183	AVG	10.86	1.60	12.46	24.00	-11.54
	6945	199	AVG	12.12	1.50	13.62	24.00	-10.38
	7025	215	AVG	11.98	1.50	13.48	24.00	-10.52

Table 7-67. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.27	1.00	16.27	24.00	-7.73
	6185	47	AVG	15.27	1.00	16.27	24.00	-7.73
	6345	79	AVG	15.00	1.00	16.00	24.00	-8.00
	6505	111	AVG	13.41	0.60	14.01	24.00	-9.99
	6665	143	AVG	13.24	1.60	14.84	24.00	-9.16
	6825	175	AVG	13.35	1.60	14.95	24.00	-9.05
	6985	207	AVG	14.68	1.50	16.18	24.00	-7.82

Table 7-68. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.32	1.00	16.32	24.00	-7.68
	6185	47	AVG	15.23	1.00	16.23	24.00	-7.77
	6345	79	AVG	15.12	1.00	16.12	24.00	-7.88
	6505	111	AVG	13.42	0.60	14.02	24.00	-9.98
	6665	143	AVG	13.35	1.60	14.95	24.00	-9.05
	6825	175	AVG	13.40	1.60	15.00	24.00	-9.00
	6985	207	AVG	14.53	1.50	16.03	24.00	-7.97

Table 7-69. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	15.40	1.00	16.40	24.00	-7.60
	6185	47	AVG	15.34	1.00	16.34	24.00	-7.66
	6345	79	AVG	15.22	1.00	16.22	24.00	-7.79
	6505	111	AVG	13.48	0.60	14.08	24.00	-9.92
	6665	143	AVG	13.31	1.60	14.91	24.00	-9.09
	6825	175	AVG	13.37	1.60	14.97	24.00	-9.03
	6985	207	AVG	14.68	1.50	16.18	24.00	-7.82

Table 7-70. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.19	17.53	1.00	18.53	30.00	-11.47
	6175	45	AVG	17.42	17.57	1.00	18.57	30.00	-11.43
	6415	93	AVG	17.73	17.95	1.00	18.95	30.00	-11.05
	6535	117	AVG	17.57	17.72	1.60	19.32	30.00	-10.68
	6695	149	AVG	17.32	17.52	1.60	19.12	30.00	-10.88
	6855	181	AVG	17.29	17.40	1.60	19.00	30.00	-11.00

Table 7-71. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.43	17.60	1.00	18.60	30.00	-11.40
	6175	45	AVG	17.52	17.60	1.00	18.60	30.00	-11.40
	6415	93	AVG	17.85	17.94	1.00	18.94	30.00	-11.06
	6535	117	AVG	17.62	17.76	1.60	19.36	30.00	-10.64
	6695	149	AVG	17.42	17.53	1.60	19.13	30.00	-10.87
	6855	181	AVG	17.29	17.44	1.60	19.04	30.00	-10.96

Table 7-72. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]		Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				802.11a	802.11ax				
	5955	1	AVG	17.46	17.38	1.00	18.46	30.00	-11.54
	6175	45	AVG	17.49	17.43	1.00	18.49	30.00	-11.51
	6415	93	AVG	17.90	17.73	1.00	18.90	30.00	-11.10
	6535	117	AVG	17.67	17.50	1.60	19.27	30.00	-10.73
	6695	149	AVG	17.47	17.35	1.60	19.07	30.00	-10.93
	6855	181	AVG	17.35	17.20	1.60	18.95	30.00	-11.05

Table 7-73. Antenna WF7 20MHz BW 802.11a/ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.78	1.00	18.78	30.00	-11.22
	6165	43	AVG	17.79	1.00	18.79	30.00	-11.21
	6405	91	AVG	17.59	1.00	18.59	30.00	-11.41
	6565	123	AVG	17.77	1.60	19.37	30.00	-10.63
	6725	155	AVG	17.57	1.60	19.17	30.00	-10.83
	6845	179	AVG	17.61	1.60	19.21	30.00	-10.79

Table 7-74. Antenna WF7 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.81	1.00	18.81	30.00	-11.19
	6165	43	AVG	17.85	1.00	18.85	30.00	-11.15
	6405	91	AVG	17.63	1.00	18.63	30.00	-11.37
	6565	123	AVG	17.78	1.60	19.38	30.00	-10.62
	6725	155	AVG	17.64	1.60	19.24	30.00	-10.76
	6845	179	AVG	17.64	1.60	19.24	30.00	-10.77

Table 7-75. Antenna WF7 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5965	3	AVG	17.65	1.00	18.65	30.00	-11.35
	6165	43	AVG	17.79	1.00	18.79	30.00	-11.21
	6405	91	AVG	17.57	1.00	18.57	30.00	-11.43
	6565	123	AVG	17.75	1.60	19.35	30.00	-10.65
	6725	155	AVG	17.53	1.60	19.13	30.00	-10.87
	6845	179	AVG	17.51	1.60	19.11	30.00	-10.89

Table 7-76. Antenna WF7 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.68	1.00	18.68	30.00	-11.32
	6145	39	AVG	17.77	1.00	18.77	30.00	-11.24
	6385	87	AVG	17.76	1.00	18.76	30.00	-11.24
	6625	135	AVG	17.84	1.60	19.44	30.00	-10.56
	6705	151	AVG	17.91	1.60	19.51	30.00	-10.50
	6785	167	AVG	17.96	1.60	19.56	30.00	-10.44

Table 7-77. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.64	1.00	18.64	30.00	-11.36
	6145	39	AVG	17.72	1.00	18.72	30.00	-11.28
	6385	87	AVG	17.71	1.00	18.71	30.00	-11.29
	6625	135	AVG	17.74	1.60	19.34	30.00	-10.66
	6705	151	AVG	17.82	1.60	19.42	30.00	-10.58
	6785	167	AVG	17.55	1.60	19.15	30.00	-10.85

Table 7-78. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5985	7	AVG	17.39	1.00	18.39	30.00	-11.61
	6145	39	AVG	17.49	1.00	18.49	30.00	-11.51
	6385	87	AVG	17.50	1.00	18.50	30.00	-11.50
	6625	135	AVG	17.84	1.60	19.44	30.00	-10.56
	6705	151	AVG	17.58	1.60	19.18	30.00	-10.82
	6785	167	AVG	17.35	1.60	18.95	30.00	-11.05

Table 7-79. Antenna WF7 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.78	1.00	18.78	30.00	-11.22
	6185	47	AVG	17.59	1.00	18.59	30.00	-11.41
	6345	79	AVG	17.49	1.00	18.49	30.00	-11.51
	6665	143	AVG	17.58	1.60	19.18	30.00	-10.82

Table 7-80. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.59	1.00	18.59	30.00	-11.41
	6185	47	AVG	17.38	1.00	18.38	30.00	-11.62
	6345	79	AVG	17.34	1.00	18.34	30.00	-11.66
	6665	143	AVG	17.47	1.60	19.07	30.00	-10.93

Table 7-81. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	Conducted Power [dBm]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	6025	15	AVG	17.56	1.00	18.56	30.00	-11.44
	6185	47	AVG	17.42	1.00	18.42	30.00	-11.58
	6345	79	AVG	17.23	1.00	18.23	30.00	-11.77
	6665	143	AVG	17.38	1.60	18.98	30.00	-11.02

Table 7-82. Antenna WF7 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

7.3.4 SDM Primary Conducted Output Power Measurements

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	SDM	AVG	3.84	3.98	6.92	1.50	8.42	24.00	-15.58
	6175	45	SDM	AVG	3.83	3.97	6.91	1.50	8.41	24.00	-15.59
	6415	93	SDM	AVG	4.15	4.00	7.09	1.50	8.59	24.00	-15.41
	6435	97	SDM	AVG	3.91	3.94	6.93	1.33	8.26	24.00	-15.74
	6475	105	SDM	AVG	3.84	3.85	6.85	1.33	8.18	24.00	-15.82
	6515	113	SDM	AVG	3.97	3.76	6.87	1.33	8.20	24.00	-15.80
	6535	117	SDM	AVG	2.97	2.73	5.86	2.45	8.31	24.00	-15.69
	6695	149	SDM	AVG	2.85	2.79	5.83	2.45	8.28	24.00	-15.72
	6875	185	SDM	AVG	2.93	2.86	5.91	2.45	8.36	24.00	-15.64
	6895	189	SDM	AVG	4.18	4.01	7.11	1.13	8.24	24.00	-15.76
	6995	209	SDM	AVG	4.20	4.21	7.21	1.13	8.34	24.00	-15.66
	7115	233	SDM	AVG	4.06	4.00	7.04	1.13	8.17	24.00	-15.83

Table 7-83. SDM Primary 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	SDM	AVG	3.82	3.76	6.80	1.50	8.30	24.00	-15.70
	6175	45	SDM	AVG	3.94	3.77	6.87	1.50	8.37	24.00	-15.63
	6415	93	SDM	AVG	4.10	4.09	7.11	1.50	8.61	24.00	-15.39
	6435	97	SDM	AVG	3.95	3.91	6.94	1.33	8.27	24.00	-15.73
	6475	105	SDM	AVG	3.81	3.89	6.86	1.33	8.19	24.00	-15.81
	6515	113	SDM	AVG	3.80	3.76	6.79	1.33	8.12	24.00	-15.88
	6535	117	SDM	AVG	2.82	2.80	5.82	2.45	8.27	24.00	-15.73
	6695	149	SDM	AVG	2.96	2.83	5.90	2.45	8.35	24.00	-15.65
	6875	185	SDM	AVG	2.83	2.77	5.81	2.45	8.26	24.00	-15.74
	6895	189	SDM	AVG	4.24	4.05	7.16	1.13	8.29	24.00	-15.71
	6995	209	SDM	AVG	4.21	4.08	7.16	1.13	8.29	24.00	-15.71
	7115	233	SDM	AVG	4.10	4.07	7.09	1.13	8.22	24.00	-15.78

Table 7-84. SDM Primary 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	SDM	AVG	3.89	3.71	6.81	1.50	8.31	24.00	-15.69
	6175	45	SDM	AVG	4.00	3.90	6.96	1.50	8.46	24.00	-15.54
	6415	93	SDM	AVG	4.23	4.07	7.16	1.50	8.66	24.00	-15.34
	6435	97	SDM	AVG	3.85	3.83	6.85	1.33	8.18	24.00	-15.82
	6475	105	SDM	AVG	3.95	3.93	6.95	1.33	8.28	24.00	-15.72
	6515	113	SDM	AVG	3.83	3.88	6.86	1.33	8.19	24.00	-15.81
	6535	117	SDM	AVG	2.90	2.86	5.89	2.45	8.34	24.00	-15.66
	6695	149	SDM	AVG	2.89	2.94	5.92	2.45	8.37	24.00	-15.63
	6875	185	SDM	AVG	2.88	2.97	5.94	2.45	8.39	24.00	-15.61
	6895	189	SDM	AVG	4.08	4.21	7.16	1.13	8.29	24.00	-15.71
	6995	209	SDM	AVG	4.13	4.18	7.17	1.13	8.30	24.00	-15.70
	7115	233	SDM	AVG	4.22	4.17	7.20	1.13	8.33	24.00	-15.67

Table 7-85. SDM Primary 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	SDM	AVG	6.81	6.93	9.88	1.50	11.38	24.00	-12.62
	6165	43	SDM	AVG	6.97	6.86	9.93	1.50	11.43	24.00	-12.57
	6405	91	SDM	AVG	7.09	7.15	10.13	1.50	11.63	24.00	-12.37
	6445	99	SDM	AVG	6.93	6.79	9.87	1.33	11.20	24.00	-12.80
	6485	107	SDM	AVG	6.82	6.77	9.80	1.33	11.13	24.00	-12.87
	6525	115	SDM	AVG	5.80	5.92	8.87	2.45	11.32	24.00	-12.68
	6565	123	SDM	AVG	5.98	5.91	8.96	2.45	11.41	24.00	-12.59
	6725	155	SDM	AVG	5.82	5.84	8.84	2.45	11.29	24.00	-12.71
	6845	179	SDM	AVG	5.89	5.82	8.86	2.45	11.31	24.00	-12.69
	6885	187	SDM	AVG	5.97	5.95	8.97	1.13	10.10	24.00	-13.90
	7005	211	SDM	AVG	7.05	7.11	10.09	1.13	11.22	24.00	-12.78
	7085	227	SDM	AVG	7.09	7.06	10.08	1.13	11.21	24.00	-12.79

Table 7-86. SDM Primary 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	SDM	AVG	6.93	6.76	9.85	1.50	11.35	24.00	-12.65
	6165	43	SDM	AVG	6.88	6.78	9.84	1.50	11.34	24.00	-12.66
	6405	91	SDM	AVG	7.22	7.08	10.16	1.50	11.66	24.00	-12.34
	6445	99	SDM	AVG	6.85	6.73	9.80	1.33	11.13	24.00	-12.87
	6485	107	SDM	AVG	6.87	6.88	9.89	1.33	11.22	24.00	-12.78
	6525	115	SDM	AVG	5.76	5.79	8.78	2.45	11.23	24.00	-12.77
	6565	123	SDM	AVG	5.84	5.86	8.86	2.45	11.31	24.00	-12.69
	6725	155	SDM	AVG	5.89	5.75	8.83	2.45	11.28	24.00	-12.72
	6845	179	SDM	AVG	5.95	5.90	8.93	2.45	11.38	24.00	-12.62
	6885	187	SDM	AVG	5.98	5.78	8.89	1.13	10.02	24.00	-13.98
	7005	211	SDM	AVG	7.16	7.10	10.14	1.13	11.27	24.00	-12.73
	7085	227	SDM	AVG	7.16	7.01	10.09	1.13	11.22	24.00	-12.78

Table 7-87. SDM Primary 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	SDM	AVG	6.83	7.00	9.93	1.50	11.43	24.00	-12.57
	6165	43	SDM	AVG	6.95	6.83	9.90	1.50	11.40	24.00	-12.60
	6405	91	SDM	AVG	7.17	7.04	10.12	1.50	11.62	24.00	-12.38
	6445	99	SDM	AVG	6.99	6.71	9.86	1.33	11.19	24.00	-12.81
	6485	107	SDM	AVG	6.89	6.82	9.86	1.33	11.19	24.00	-12.81
	6525	115	SDM	AVG	5.80	5.81	8.82	2.45	11.27	24.00	-12.73
	6565	123	SDM	AVG	5.77	5.83	8.81	2.45	11.26	24.00	-12.74
	6725	155	SDM	AVG	5.99	5.89	8.95	2.45	11.40	24.00	-12.60
	6845	179	SDM	AVG	5.90	5.77	8.85	2.45	11.30	24.00	-12.70
	6885	187	SDM	AVG	5.89	5.85	8.88	1.13	10.01	24.00	-13.99
	7005	211	SDM	AVG	7.19	7.03	10.12	1.13	11.25	24.00	-12.75
	7085	227	SDM	AVG	7.00	7.13	10.08	1.13	11.21	24.00	-12.79

Table 7-88. SDM Primary 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	SDM	AVG	9.98	9.91	12.95	1.50	14.45	24.00	-9.55
	6145	39	SDM	AVG	9.79	9.90	12.85	1.50	14.35	24.00	-9.65
	6385	87	SDM	AVG	10.08	10.17	13.14	1.50	14.64	24.00	-9.36
	6465	103	SDM	AVG	9.93	9.82	12.89	1.33	14.22	24.00	-9.78
	6545	119	SDM	AVG	8.82	8.82	11.83	2.45	14.28	24.00	-9.72
	6705	151	SDM	AVG	8.93	8.86	11.91	2.45	14.36	24.00	-9.64
	6865	183	SDM	AVG	8.90	8.86	11.89	2.45	14.34	24.00	-9.66
	6945	199	SDM	AVG	10.10	10.04	13.08	1.13	14.21	24.00	-9.79
	7025	215	SDM	AVG	10.19	10.11	13.16	1.13	14.29	24.00	-9.71

Table 7-89. SDM Primary 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	SDM	AVG	9.81	9.79	12.81	1.50	14.31	24.00	-9.69
	6145	39	SDM	AVG	9.91	9.85	12.89	1.50	14.39	24.00	-9.61
	6385	87	SDM	AVG	10.16	10.18	13.18	1.50	14.68	24.00	-9.32
	6465	103	SDM	AVG	9.85	10.00	12.94	1.33	14.27	24.00	-9.73
	6545	119	SDM	AVG	8.86	8.80	11.84	2.45	14.29	24.00	-9.71
	6705	151	SDM	AVG	8.85	8.97	11.92	2.45	14.37	24.00	-9.63
	6865	183	SDM	AVG	8.91	8.84	11.89	2.45	14.34	24.00	-9.66
	6945	199	SDM	AVG	10.02	10.20	13.12	1.13	14.25	24.00	-9.75
	7025	215	SDM	AVG	10.10	10.10	13.11	1.13	14.24	24.00	-9.76

Table 7-90. SDM Primary 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	SDM	AVG	9.97	9.86	12.93	1.50	14.43	24.00	-9.57
	6145	39	SDM	AVG	9.84	9.89	12.88	1.50	14.38	24.00	-9.62
	6385	87	SDM	AVG	10.11	10.08	13.11	1.50	14.61	24.00	-9.39
	6465	103	SDM	AVG	9.90	9.78	12.85	1.33	14.18	24.00	-9.82
	6545	119	SDM	AVG	8.90	8.84	11.88	2.45	14.33	24.00	-9.67
	6705	151	SDM	AVG	8.89	8.86	11.88	2.45	14.33	24.00	-9.67
	6865	183	SDM	AVG	8.83	8.89	11.87	2.45	14.32	24.00	-9.68
	6945	199	SDM	AVG	10.22	10.13	13.18	1.13	14.31	24.00	-9.69
	7025	215	SDM	AVG	10.09	10.03	13.07	1.13	14.20	24.00	-9.80

Table 7-91. SDM Primary 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	SDM	AVG	12.30	12.43	15.38	1.50	16.88	24.00	-7.12
	6185	47	SDM	AVG	12.31	12.37	15.35	1.50	16.85	24.00	-7.15
	6345	79	SDM	AVG	12.47	12.57	15.53	1.50	17.03	24.00	-6.97
	6505	111	SDM	AVG	11.33	11.49	14.42	1.33	15.75	24.00	-8.25
	6665	143	SDM	AVG	11.47	11.38	14.44	2.45	16.89	24.00	-7.11
	6825	175	SDM	AVG	11.46	11.43	14.45	2.45	16.90	24.00	-7.10
	6985	207	SDM	AVG	12.57	12.51	15.55	1.13	16.68	24.00	-7.32

Table 7-92. SDM Primary 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	SDM	AVG	12.35	12.32	15.35	1.50	16.85	24.00	-7.15
	6185	47	SDM	AVG	12.36	12.28	15.33	1.50	16.83	24.00	-7.17
	6345	79	SDM	AVG	12.73	12.65	15.70	1.50	17.20	24.00	-6.80
	6505	111	SDM	AVG	11.31	11.31	14.32	1.33	15.65	24.00	-8.35
	6665	143	SDM	AVG	11.43	11.47	14.46	2.45	16.91	24.00	-7.09
	6825	175	SDM	AVG	11.40	11.36	14.39	2.45	16.84	24.00	-7.16
	6985	207	SDM	AVG	12.58	12.69	15.65	1.13	16.78	24.00	-7.22

Table 7-93. SDM Primary 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	SDM	AVG	12.48	12.30	15.40	1.50	16.90	24.00	-7.10
	6185	47	SDM	AVG	12.40	12.35	15.39	1.50	16.89	24.00	-7.11
	6345	79	SDM	AVG	12.68	12.67	15.68	1.50	17.18	24.00	-6.82
	6505	111	SDM	AVG	11.37	11.41	14.40	1.33	15.73	24.00	-8.27
	6665	143	SDM	AVG	11.27	11.48	14.38	2.45	16.83	24.00	-7.17
	6825	175	SDM	AVG	11.33	11.28	14.31	2.45	16.76	24.00	-7.24
	6985	207	SDM	AVG	12.75	12.68	15.72	1.13	16.85	24.00	-7.15

Table 7-94. SDM Primary 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	CDD	AVG	17.97	17.86	20.92	1.70	22.62	30.00	-7.38
	6175	45	CDD	AVG	17.88	17.94	20.92	1.70	22.62	30.00	-7.38
	6415	93	CDD	AVG	18.00	17.79	20.91	1.70	22.61	30.00	-7.39
	6535	117	CDD	AVG	17.91	17.76	20.85	3.30	24.15	30.00	-5.85
	6695	149	CDD	AVG	17.72	17.65	20.69	3.30	23.99	30.00	-6.01
	6855	181	CDD	AVG	17.81	17.61	20.72	3.30	24.02	30.00	-5.98

Table 7-95. CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	CDD	AVG	17.72	17.87	20.81	1.70	22.51	30.00	-7.49
	6175	45	CDD	AVG	17.92	17.92	20.93	1.70	22.63	30.00	-7.37
	6415	93	CDD	AVG	18.00	17.85	20.93	1.70	22.63	30.00	-7.37
	6535	117	CDD	AVG	17.97	17.79	20.89	3.30	24.19	30.00	-5.81
	6695	149	CDD	AVG	17.75	17.68	20.73	3.30	24.03	30.00	-5.97
	6855	181	CDD	AVG	17.82	17.19	20.53	3.30	23.83	30.00	-6.17

Table 7-96. CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5955	1	CDD	AVG	17.89	17.86	20.88	1.70	22.58	30.00	-7.42
	6175	45	CDD	AVG	17.80	17.88	20.85	1.70	22.55	30.00	-7.45
	6415	93	CDD	AVG	17.82	17.77	20.80	1.70	22.50	30.00	-7.50
	6535	117	CDD	AVG	17.77	17.72	20.75	3.30	24.05	30.00	-5.95
	6695	149	CDD	AVG	17.60	17.60	20.61	3.30	23.91	30.00	-6.09
	6855	181	CDD	AVG	17.71	17.37	20.55	3.30	23.85	30.00	-6.15

Table 7-97. CDD Primary 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	CDD	AVG	17.74	17.98	20.87	1.70	22.57	30.00	-7.43
	6165	43	CDD	AVG	17.75	17.99	20.88	1.70	22.58	30.00	-7.42
	6405	91	CDD	AVG	17.81	17.42	20.63	1.70	22.33	30.00	-7.67
	6565	123	CDD	AVG	17.83	17.77	20.81	3.30	24.11	30.00	-5.89
	6725	155	CDD	AVG	17.80	17.65	20.73	3.30	24.03	30.00	-5.97
	6845	179	CDD	AVG	17.94	17.72	20.84	3.30	24.14	30.00	-5.86

Table 7-98. CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	CDD	AVG	17.78	17.81	20.81	1.70	22.51	30.00	-7.49
	6165	43	CDD	AVG	17.77	17.87	20.83	1.70	22.53	30.00	-7.47
	6405	91	CDD	AVG	17.90	17.53	20.73	1.70	22.43	30.00	-7.57
	6565	123	CDD	AVG	17.88	17.84	20.87	3.30	24.17	30.00	-5.83
	6725	155	CDD	AVG	17.82	17.72	20.78	3.30	24.08	30.00	-5.92
	6845	179	CDD	AVG	17.98	17.79	20.90	3.30	24.20	30.00	-5.80

Table 7-99. CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5965	3	CDD	AVG	17.95	17.90	20.93	1.70	22.63	30.00	-7.37
	6165	43	CDD	AVG	17.87	17.88	20.88	1.70	22.58	30.00	-7.42
	6405	91	CDD	AVG	17.62	17.30	20.47	1.70	22.17	30.00	-7.83
	6565	123	CDD	AVG	17.67	17.62	20.65	3.30	23.95	30.00	-6.05
	6725	155	CDD	AVG	17.62	17.53	20.58	3.30	23.88	30.00	-6.12
	6845	179	CDD	AVG	17.76	17.57	20.67	3.30	23.97	30.00	-6.03

Table 7-100. CDD Primary 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	CDD	AVG	17.80	17.83	20.83	1.70	22.53	30.00	-7.47
	6145	39	CDD	AVG	17.83	17.81	20.83	1.70	22.53	30.00	-7.47
	6385	87	CDD	AVG	17.82	17.56	20.70	1.70	22.40	30.00	-7.60
	6625	135	CDD	AVG	17.82	17.52	20.68	3.30	23.98	30.00	-6.02
	6705	151	CDD	AVG	17.90	17.76	20.84	3.30	24.14	30.00	-5.86
	6785	167	CDD	AVG	17.96	17.84	20.91	3.30	24.21	30.00	-5.79

Table 7-101. CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	CDD	AVG	17.89	17.88	20.90	1.70	22.60	30.00	-7.40
	6145	39	CDD	AVG	17.89	17.87	20.89	1.70	22.59	30.00	-7.41
	6385	87	CDD	AVG	17.85	17.61	20.74	1.70	22.44	30.00	-7.56
	6625	135	CDD	AVG	17.84	17.85	20.85	3.30	24.15	30.00	-5.85
	6705	151	CDD	AVG	17.91	17.80	20.86	3.30	24.16	30.00	-5.84
	6785	167	CDD	AVG	17.95	17.57	20.78	3.30	24.08	30.00	-5.92

Table 7-102. CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	5985	7	CDD	AVG	17.65	17.64	20.65	1.70	22.35	30.00	-7.65
	6145	39	CDD	AVG	17.63	17.64	20.65	1.70	22.35	30.00	-7.65
	6385	87	CDD	AVG	17.60	17.40	20.51	1.70	22.21	30.00	-7.79
	6625	135	CDD	AVG	17.91	17.59	20.76	3.30	24.06	30.00	-5.94
	6705	151	CDD	AVG	17.69	17.58	20.65	3.30	23.95	30.00	-6.05
	6785	167	CDD	AVG	17.69	17.31	20.52	3.30	23.82	30.00	-6.18

Table 7-103. CDD Primary 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	CDD	AVG	17.69	17.54	20.63	1.70	22.33	30.00	-7.67
	6185	47	CDD	AVG	17.44	17.37	20.41	1.70	22.11	30.00	-7.89
	6345	79	CDD	AVG	17.27	17.14	20.21	1.70	21.91	30.00	-8.09
	6665	143	CDD	AVG	17.28	17.32	20.31	3.30	23.61	30.00	-6.39

Table 7-104. CDD Primary 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	CDD	AVG	17.73	17.60	20.67	1.70	22.37	30.00	-7.63
	6185	47	CDD	AVG	17.47	17.42	20.45	1.70	22.15	30.00	-7.85
	6345	79	CDD	AVG	17.29	17.17	20.24	1.70	21.94	30.00	-8.06
	6665	143	CDD	AVG	17.34	17.33	20.35	3.30	23.65	30.00	-6.35

Table 7-105. CDD Primary 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF5B	Antenna WF8	Summed				
	6025	15	CDD	AVG	17.51	17.38	20.45	1.70	22.15	30.00	-7.85
	6185	47	CDD	AVG	17.24	17.17	20.22	1.70	21.92	30.00	-8.08
	6345	79	CDD	AVG	17.07	17.26	20.18	1.70	21.88	30.00	-8.12
	6665	143	CDD	AVG	17.09	17.10	20.11	3.30	23.41	30.00	-6.59

Table 7-106. CDD Primary 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

7.3.5 SDM Diversity Conducted Output Power Measurements

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	SDM	AVG	3.73	3.84	6.80	1.15	7.95	24.00	-16.05
	6175	45	SDM	AVG	3.81	3.87	6.85	1.15	8.00	35.00	-27.00
	6415	93	SDM	AVG	4.23	4.13	7.19	1.15	8.34	47.00	-38.66
	6435	97	SDM	AVG	3.82	3.72	6.78	0.26	7.04	24.00	-16.96
	6475	105	SDM	AVG	3.91	3.82	6.88	0.26	7.14	26.00	-18.86
	6515	113	SDM	AVG	3.85	3.75	6.81	0.26	7.07	28.00	-20.93
	6535	117	SDM	AVG	2.82	2.79	5.82	1.50	7.32	24.00	-16.68
	6695	149	SDM	AVG	2.89	2.94	5.92	1.50	7.42	24.00	-16.58
	6875	185	SDM	AVG	2.94	2.72	5.84	1.50	7.34	24.00	-16.66
	6895	189	SDM	AVG	3.99	4.10	7.06	0.69	7.75	24.00	-16.25
	6995	209	SDM	AVG	4.11	4.05	7.09	0.69	7.78	29.00	-21.22
	7115	233	SDM	AVG	4.10	4.13	7.12	0.69	7.81	24.00	-16.19

Table 7-107. SDM Diversity 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	SDM	AVG	3.72	3.88	6.81	1.15	7.96	24.00	-16.04
	6175	45	SDM	AVG	3.89	3.91	6.91	1.15	8.06	24.00	-15.94
	6415	93	SDM	AVG	4.07	4.17	7.13	1.15	8.28	24.00	-15.72
	6435	97	SDM	AVG	3.85	3.76	6.82	0.26	7.08	24.00	-16.92
	6475	105	SDM	AVG	3.93	3.87	6.91	0.26	7.17	24.00	-16.83
	6515	113	SDM	AVG	3.87	3.81	6.85	0.26	7.11	24.00	-16.89
	6535	117	SDM	AVG	2.91	2.87	5.90	1.50	7.40	24.00	-16.60
	6695	149	SDM	AVG	2.90	2.79	5.85	1.50	7.35	24.00	-16.65
	6875	185	SDM	AVG	2.76	2.97	5.87	1.50	7.37	24.00	-16.63
	6895	189	SDM	AVG	4.22	4.10	7.17	0.69	7.86	24.00	-16.14
	6995	209	SDM	AVG	4.15	4.11	7.14	0.69	7.83	24.00	-16.17
	7115	233	SDM	AVG	4.12	4.18	7.16	0.69	7.85	24.00	-16.15

Table 7-108. SDM Diversity 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	SDM	AVG	3.87	3.76	6.83	1.15	7.98	24.00	-16.02
	6175	45	SDM	AVG	3.89	3.85	6.88	1.15	8.03	24.00	-15.97
	6415	93	SDM	AVG	3.97	4.06	7.02	1.15	8.17	24.00	-15.83
	6435	97	SDM	AVG	3.96	3.84	6.91	0.26	7.17	24.00	-16.83
	6475	105	SDM	AVG	3.89	3.92	6.91	0.26	7.17	24.00	-16.83
	6515	113	SDM	AVG	3.90	3.88	6.90	0.26	7.16	24.00	-16.84
	6535	117	SDM	AVG	2.84	2.91	5.89	1.50	7.39	24.00	-16.61
	6695	149	SDM	AVG	2.82	2.78	5.81	1.50	7.31	24.00	-16.69
	6875	185	SDM	AVG	2.89	2.95	5.93	1.50	7.43	24.00	-16.57
	6895	189	SDM	AVG	4.13	4.08	7.11	0.69	7.80	24.00	-16.20
	6995	209	SDM	AVG	4.04	4.08	7.07	0.69	7.76	24.00	-16.24
	7115	233	SDM	AVG	4.23	4.19	7.22	0.69	7.91	24.00	-16.09

Table 7-109. SDM Diversity 20MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	SDM	AVG	6.80	6.88	9.85	1.15	11.00	24.00	-13.00
	6165	43	SDM	AVG	6.89	6.75	9.83	1.15	10.98	24.00	-13.02
	6405	91	SDM	AVG	7.13	7.19	10.17	1.15	11.32	24.00	-12.68
	6445	99	SDM	AVG	6.70	6.93	9.83	0.26	10.09	24.00	-13.91
	6485	107	SDM	AVG	6.76	6.81	9.79	0.26	10.05	24.00	-13.95
	6525	115	SDM	AVG	5.82	5.86	8.85	1.50	10.35	24.00	-13.65
	6565	123	SDM	AVG	5.86	5.98	8.93	1.50	10.43	24.00	-13.57
	6725	155	SDM	AVG	5.90	5.82	8.87	1.50	10.37	24.00	-13.63
	6845	179	SDM	AVG	6.00	5.89	8.95	1.50	10.45	24.00	-13.55
	6885	187	SDM	AVG	5.82	5.91	8.87	0.69	9.56	24.00	-14.44
	7005	211	SDM	AVG	7.18	7.10	10.15	0.69	10.84	24.00	-13.16
	7085	227	SDM	AVG	7.16	7.06	10.12	0.69	10.81	24.00	-13.19

Table 7-110. SDM Diversity 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	SDM	AVG	6.89	6.95	9.93	1.15	11.08	24.00	-12.92
	6165	43	SDM	AVG	6.88	6.83	9.86	1.15	11.01	24.00	-12.99
	6405	91	SDM	AVG	7.17	7.06	10.13	1.15	11.28	24.00	-12.72
	6445	99	SDM	AVG	6.84	6.82	9.84	0.26	10.10	24.00	-13.90
	6485	107	SDM	AVG	6.93	6.90	9.93	0.26	10.19	24.00	-13.81
	6525	115	SDM	AVG	5.88	5.87	8.88	1.50	10.38	24.00	-13.62
	6565	123	SDM	AVG	5.83	5.89	8.87	1.50	10.37	24.00	-13.63
	6725	155	SDM	AVG	5.73	5.79	8.77	1.50	10.27	24.00	-13.73
	6845	179	SDM	AVG	5.81	5.81	8.82	1.50	10.32	24.00	-13.68
	6885	187	SDM	AVG	5.83	5.97	8.91	0.69	9.60	24.00	-14.40
	7005	211	SDM	AVG	7.02	6.99	10.02	0.69	10.71	24.00	-13.29
	7085	227	SDM	AVG	7.17	7.04	10.11	0.69	10.80	24.00	-13.20

Table 7-111. SDM Diversity 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	SDM	AVG	6.95	6.90	9.94	1.15	11.09	24.00	-12.91
	6165	43	SDM	AVG	6.87	6.85	9.87	1.15	11.02	24.00	-12.98
	6405	91	SDM	AVG	7.09	7.08	10.09	1.15	11.24	24.00	-12.76
	6445	99	SDM	AVG	6.84	6.82	9.84	0.26	10.10	24.00	-13.90
	6485	107	SDM	AVG	6.87	6.90	9.90	0.26	10.16	24.00	-13.84
	6525	115	SDM	AVG	5.94	5.93	8.94	1.50	10.44	24.00	-13.56
	6565	123	SDM	AVG	5.87	5.79	8.84	1.50	10.34	24.00	-13.66
	6725	155	SDM	AVG	5.82	5.73	8.79	1.50	10.29	24.00	-13.71
	6845	179	SDM	AVG	5.89	5.80	8.85	1.50	10.35	24.00	-13.65
	6885	187	SDM	AVG	5.93	5.76	8.86	0.69	9.55	24.00	-14.45
	7005	211	SDM	AVG	7.17	7.20	10.20	0.69	10.89	24.00	-13.11
	7085	227	SDM	AVG	7.05	7.17	10.12	0.69	10.81	24.00	-13.19

Table 7-112. SDM Diversity 40MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	SDM	AVG	9.77	9.99	12.89	1.15	14.04	24.00	-9.96
	6145	39	SDM	AVG	9.83	9.79	12.82	1.15	13.97	24.00	-10.03
	6385	87	SDM	AVG	10.09	10.10	13.10	1.15	14.25	24.00	-9.75
	6465	103	SDM	AVG	9.77	9.75	12.77	0.26	13.03	24.00	-10.97
	6545	119	SDM	AVG	8.97	8.86	11.92	1.50	13.42	24.00	-10.58
	6705	151	SDM	AVG	8.81	8.84	11.84	1.50	13.34	24.00	-10.66
	6865	183	SDM	AVG	8.92	8.97	11.95	1.50	13.45	24.00	-10.55
	6945	199	SDM	AVG	10.11	10.16	13.15	0.69	13.84	24.00	-10.16
	7025	215	SDM	AVG	10.09	10.00	13.06	0.69	13.75	24.00	-10.25

Table 7-113. SDM Diversity 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	SDM	AVG	9.77	9.98	12.89	1.15	14.04	24.00	-9.96
	6145	39	SDM	AVG	9.80	9.88	12.85	1.15	14.00	24.00	-10.00
	6385	87	SDM	AVG	10.20	10.18	13.20	1.15	14.35	24.00	-9.65
	6465	103	SDM	AVG	9.82	9.86	12.85	0.26	13.11	24.00	-10.89
	6545	119	SDM	AVG	8.91	8.96	11.94	1.50	13.44	24.00	-10.56
	6705	151	SDM	AVG	8.97	8.81	11.90	1.50	13.40	24.00	-10.60
	6865	183	SDM	AVG	8.78	8.87	11.83	1.50	13.33	24.00	-10.67
	6945	199	SDM	AVG	10.25	10.17	13.22	0.69	13.91	24.00	-10.09
	7025	215	SDM	AVG	10.09	10.15	13.13	0.69	13.82	24.00	-10.18

Table 7-114. SDM Diversity 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	SDM	AVG	9.99	9.92	12.97	1.15	14.12	24.00	-9.88
	6145	39	SDM	AVG	9.88	9.92	12.91	1.15	14.06	24.00	-9.94
	6385	87	SDM	AVG	10.18	10.09	13.15	1.15	14.30	24.00	-9.70
	6465	103	SDM	AVG	9.93	9.90	12.92	0.26	13.18	24.00	-10.82
	6545	119	SDM	AVG	8.92	8.82	11.88	1.50	13.38	24.00	-10.62
	6705	151	SDM	AVG	8.87	8.81	11.85	1.50	13.35	24.00	-10.65
	6865	183	SDM	AVG	8.90	8.92	11.92	1.50	13.42	24.00	-10.58
	6945	199	SDM	AVG	10.13	10.23	13.19	0.69	13.88	24.00	-10.12
	7025	215	SDM	AVG	10.04	10.16	13.11	0.69	13.80	24.00	-10.20

Table 7-115. SDM Diversity 80MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	SDM	AVG	12.32	12.40	15.37	1.15	16.52	24.00	-7.48
	6185	47	SDM	AVG	12.47	12.34	15.41	1.15	16.56	24.00	-7.44
	6345	79	SDM	AVG	12.50	12.57	15.55	1.15	16.70	24.00	-7.30
	6505	111	SDM	AVG	11.25	11.46	14.37	0.26	14.63	24.00	-9.37
	6665	143	SDM	AVG	11.41	11.50	14.46	1.50	15.96	24.00	-8.04
	6825	175	SDM	AVG	11.44	11.39	14.42	1.50	15.92	24.00	-8.08
	6985	207	SDM	AVG	12.58	12.67	15.63	0.69	16.32	24.00	-7.68

Table 7-116. SDM Diversity 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	SDM	AVG	12.39	12.30	15.35	1.15	16.50	24.00	-7.50
	6185	47	SDM	AVG	12.26	12.41	15.34	1.15	16.49	24.00	-7.51
	6345	79	SDM	AVG	12.61	12.69	15.66	1.15	16.81	24.00	-7.19
	6505	111	SDM	AVG	11.29	11.40	14.35	0.26	14.61	24.00	-9.39
	6665	143	SDM	AVG	11.36	11.31	14.35	1.50	15.85	24.00	-8.15
	6825	175	SDM	AVG	11.47	11.30	14.40	1.50	15.90	24.00	-8.10
	6985	207	SDM	AVG	12.74	12.60	15.68	0.69	16.37	24.00	-7.63

Table 7-117. SDM Diversity 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	SDM	AVG	12.33	12.33	15.34	1.15	16.49	24.00	-7.51
	6185	47	SDM	AVG	12.27	12.44	15.37	1.15	16.52	24.00	-7.48
	6345	79	SDM	AVG	12.49	12.74	15.63	1.15	16.78	24.00	-7.22
	6505	111	SDM	AVG	11.37	11.38	14.38	0.26	14.64	24.00	-9.36
	6665	143	SDM	AVG	11.44	11.33	14.40	1.50	15.90	24.00	-8.10
	6825	175	SDM	AVG	11.31	11.40	14.37	1.50	15.87	24.00	-8.13
	6985	207	SDM	AVG	12.64	12.58	15.62	0.69	16.31	24.00	-7.69

Table 7-118. SDM Diversity 160MHz BW 802.11ax(SU) (UNII) LPI Maximum Conducted Output Power (High Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	CDD	AVG	17.82	17.51	20.68	1.30	21.98	30.00	-8.02
	6175	45	CDD	AVG	17.93	17.52	20.74	1.30	22.04	41.00	-18.96
	6415	93	CDD	AVG	17.84	17.92	20.89	1.30	22.19	53.00	-30.81
	6535	117	CDD	AVG	17.77	17.69	20.74	1.60	22.34	30.00	-7.66
	6695	149	CDD	AVG	17.66	17.47	20.58	1.60	22.18	30.00	-7.82
	6855	181	CDD	AVG	17.78	17.35	20.58	1.60	22.18	30.00	-7.82

Table 7-119. CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	CDD	AVG	17.89	17.55	20.73	1.30	22.03	30.00	-7.97
	6175	45	CDD	AVG	17.91	17.57	20.75	1.30	22.05	41.00	-18.95
	6415	93	CDD	AVG	17.82	17.96	20.90	1.30	22.20	30.00	-7.80
	6535	117	CDD	AVG	17.83	17.78	20.81	1.60	22.41	30.00	-7.59
	6695	149	CDD	AVG	17.71	17.53	20.63	1.60	22.23	30.00	-7.77
	6855	181	CDD	AVG	17.68	17.09	20.40	1.60	22.00	30.00	-8.00

Table 7-120. CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5955	1	CDD	AVG	17.73	17.43	20.59	1.30	21.89	30.00	-8.11
	6175	45	CDD	AVG	17.74	17.43	20.59	1.30	21.89	41.00	-19.11
	6415	93	CDD	AVG	17.70	17.82	20.77	1.30	22.07	30.00	-7.93
	6535	117	CDD	AVG	17.69	17.60	20.66	1.60	22.26	30.00	-7.74
	6695	149	CDD	AVG	17.60	17.38	20.50	1.60	22.10	30.00	-7.90
	6855	181	CDD	AVG	17.45	17.27	20.37	1.60	21.97	30.00	-8.03

Table 7-121. CDD Diversity 20MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	CDD	AVG	17.71	17.66	20.70	1.30	22.00	30.00	-8.00
	6165	43	CDD	AVG	17.98	17.70	20.85	1.30	22.15	30.00	-7.85
	6405	91	CDD	AVG	17.46	17.58	20.53	1.30	21.83	30.00	-8.17
	6565	123	CDD	AVG	17.78	17.75	20.77	1.60	22.37	30.00	-7.63
	6725	155	CDD	AVG	17.68	17.56	20.63	1.60	22.23	30.00	-7.77
	6845	179	CDD	AVG	17.76	17.53	20.65	1.60	22.25	30.00	-7.75

Table 7-122. CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	CDD	AVG	17.84	17.73	20.79	1.30	22.09	30.00	-7.91
	6165	43	CDD	AVG	17.75	17.78	20.77	1.30	22.07	30.00	-7.93
	6405	91	CDD	AVG	17.50	17.58	20.55	1.30	21.85	30.00	-8.15
	6565	123	CDD	AVG	17.86	17.78	20.83	1.60	22.43	30.00	-7.57
	6725	155	CDD	AVG	17.75	17.61	20.69	1.60	22.29	30.00	-7.71
	6845	179	CDD	AVG	17.80	17.57	20.70	1.60	22.30	30.00	-7.70

Table 7-123. CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5965	3	CDD	AVG	17.87	17.53	20.71	1.30	22.01	30.00	-7.99
	6165	43	CDD	AVG	17.88	17.57	20.74	1.30	22.04	30.00	-7.96
	6405	91	CDD	AVG	17.28	17.45	20.37	1.30	21.67	30.00	-8.33
	6565	123	CDD	AVG	17.61	17.66	20.65	1.60	22.25	30.00	-7.75
	6725	155	CDD	AVG	17.54	17.37	20.47	1.60	22.07	30.00	-7.93
	6845	179	CDD	AVG	17.57	17.36	20.48	1.60	22.08	30.00	-7.92

Table 7-124. CDD Diversity 40MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	CDD	AVG	17.85	17.57	20.72	1.30	22.02	30.00	-7.98
	6145	39	CDD	AVG	17.83	17.66	20.75	1.30	22.05	30.00	-7.95
	6385	87	CDD	AVG	17.62	17.66	20.65	1.30	21.95	30.00	-8.05
	6625	135	CDD	AVG	17.65	17.72	20.69	1.60	22.29	30.00	-7.71
	6705	151	CDD	AVG	17.75	17.83	20.80	1.60	22.40	30.00	-7.60
	6785	167	CDD	AVG	17.68	17.83	20.77	1.60	22.37	30.00	-7.63

Table 7-125. CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	CDD	AVG	17.86	17.61	20.74	1.30	22.04	30.00	-7.96
	6145	39	CDD	AVG	17.87	17.67	20.78	1.30	22.08	30.00	-7.92
	6385	87	CDD	AVG	17.65	17.69	20.68	1.30	21.98	30.00	-8.02
	6625	135	CDD	AVG	17.77	17.74	20.76	1.60	22.36	30.00	-7.64
	6705	151	CDD	AVG	17.79	17.85	20.83	1.60	22.43	30.00	-7.57
	6785	167	CDD	AVG	17.76	17.83	20.81	1.60	22.41	30.00	-7.59

Table 7-126. CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	5985	7	CDD	AVG	17.65	17.39	20.53	1.30	21.83	30.00	-8.17
	6145	39	CDD	AVG	17.64	17.46	20.56	1.30	21.86	30.00	-8.14
	6385	87	CDD	AVG	17.45	17.46	20.46	1.30	21.76	30.00	-8.24
	6625	135	CDD	AVG	17.66	17.87	20.77	1.60	22.37	30.00	-7.63
	6705	151	CDD	AVG	17.59	17.62	20.62	1.60	22.22	30.00	-7.78
	6785	167	CDD	AVG	17.65	17.60	20.64	1.60	22.24	30.00	-7.76

Table 7-127. CDD Diversity 80MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	CDD	AVG	17.52	17.68	20.61	1.30	21.91	30.00	-8.09
	6185	47	CDD	AVG	17.41	17.48	20.46	1.30	21.76	30.00	-8.24
	6345	79	CDD	AVG	17.17	17.36	20.28	1.30	21.58	30.00	-8.42
	6665	143	CDD	AVG	17.32	17.49	20.42	1.60	22.02	30.00	-7.98

Table 7-128. CDD Diversity 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Low Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	CDD	AVG	17.53	17.70	20.62	1.30	21.92	30.00	-8.08
	6185	47	CDD	AVG	17.43	17.50	20.47	1.30	21.77	30.00	-8.23
	6345	79	CDD	AVG	17.21	17.36	20.29	1.30	21.59	30.00	-8.41
	6665	143	CDD	AVG	17.31	17.53	20.43	1.60	22.03	30.00	-7.97

Table 7-129. CDD Diversity 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (Mid Data Rate)

6GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	Conducted Power [dBm]			Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					Antenna WF8	Antenna WF7	Summed				
	6025	15	CDD	AVG	17.39	17.43	20.42	1.30	21.72	30.00	-8.28
	6185	47	CDD	AVG	17.19	17.33	20.27	1.30	21.57	30.00	-8.43
	6345	79	CDD	AVG	17.37	17.13	20.26	1.30	21.56	30.00	-8.44
	6665	143	CDD	AVG	17.11	17.27	20.20	1.60	21.80	30.00	-8.20

Table 7-130. CDD Diversity 160MHz BW 802.11ax(SU) (UNII) Maximum Conducted Output Power – Standard Power (High Data Rate)

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna WF5B and Antenna WF8 were first measured separately during SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2013 Section 14.4.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10}) / N_{ANT}] \text{ dBi}$$

Sample CDD/SDM Calculation:

At 5955MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 3.84 dBm for Antenna WF5B and 3.98 dBm for Antenna WF8.

Antenna WF5B + Antenna WF8 = CDD/SDM

(3.84 dBm + 3.98 dBm) = (2.421 mW + 2.500 mW) = 4.921 mW = 6.92 dBm

Sample e.i.r.p. Calculation:

At 5955MHz in 802.11ax (20MHz BW) mode, the average CDD/SDM conducted power was calculated to be 6.92dBm with directional gain of 1.50 dBi..

e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

6.92 dBm + 1.50 dBi = 8.42 dBm

7.4 Maximum Power Spectral Density – 802.11a/ax(SU)

§ 15.407(a)(8), 15.407(a)(7), RSS-248 [4.5.3], RSS-248 [4.5.5]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.925 – 7.125GHz band, the maximum permissible power spectral density must not exceed -1dBm e.i.r.p. in any 1-megahertz band for Low Power Indoor operating modes.

In the 5.925 – 6.425GHz & 6.525 – 6875GHz bands, the maximum permissible power spectral density must not exceed 17dBm e.i.r.p. in any 1-megahertz band for Standard Power operating modes.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. The data rates have been classified into three different groups; Low Data Rate, Middle rate, and High Data Rate. All three data rate groups of data rate have been investigated and only the worst case data rate per group is reported.

2. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel psd plots have been reported.

7.4.1 Antenna WF5B Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	12	-4.53	1.70	-2.83	-1	-1.83
	6175	45	a	12	-3.58	1.70	-1.88	-1	-0.88
	6415	93	a	12	-3.58	1.70	-1.88	-1	-0.88
	5955	1	ax (20MHz)	24/25.8 (MCS2)	-4.44	1.70	-2.74	-1	-1.74
	6175	45	ax (20MHz)	24/25.8 (MCS2)	-3.94	1.70	-2.24	-1	-1.24
	6415	93	ax (20MHz)	24/25.8 (MCS2)	-4.13	1.70	-2.43	-1	-1.43
	5965	3	ax (40MHz)	49/51.6 (MCS2)	-4.57	1.70	-2.87	-1	-1.87
	6165	43	ax (40MHz)	49/51.6 (MCS2)	-3.50	1.70	-1.80	-1	-0.80
	6405	91	ax (40MHz)	49/51.6 (MCS2)	-3.86	1.70	-2.16	-1	-1.16
	5985	7	ax (80MHz)	102/108.1 (MCS2)	-4.47	1.70	-2.77	-1	-1.77
	6145	39	ax (80MHz)	102/108.1 (MCS2)	-3.34	1.70	-1.64	-1	-0.64
	6385	87	ax (80MHz)	102/108.1 (MCS2)	-4.28	1.70	-2.58	-1	-1.58
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	-4.77	1.70	-3.07	-1	-2.07
	6185	47	ax (160MHz)	183.8/216.2 (MCS2)	-3.84	1.70	-2.14	-1	-1.14
	6345	79	ax (160MHz)	183.8/216.2 (MCS2)	-4.56	1.70	-2.86	-1	-1.86
Band 6	6435	97	a	12	-4.79	2.40	-2.39	-1	-1.39
	6475	105	a	12	-4.82	2.40	-2.42	-1	-1.42
	6515	113	a	12	-4.72	2.40	-2.32	-1	-1.32
	6435	97	ax (20MHz)	24/25.8 (MCS2)	-5.37	2.40	-2.97	-1	-1.97
	6475	105	ax (20MHz)	24/25.8 (MCS2)	-5.18	2.40	-2.78	-1	-1.78
	6515	113	ax (20MHz)	24/25.8 (MCS2)	-5.16	2.40	-2.76	-1	-1.76
	6445	99	ax (40MHz)	49/51.6 (MCS2)	-5.22	2.40	-2.82	-1	-1.82
	6485	107	ax (40MHz)	49/51.6 (MCS2)	-4.82	2.40	-2.42	-1	-1.42
	6525	115	ax (40MHz)	49/51.6 (MCS2)	-6.13	2.40	-3.73	-1	-2.73
	6465	103	ax (80MHz)	102/108.1 (MCS2)	-4.77	2.40	-2.37	-1	-1.37
	6505	111	ax (160MHz)	183.8/216.2 (MCS2)	-6.01	2.40	-3.61	-1	-2.61
Band 7	6535	117	a	12	-5.76	3.30	-2.46	-1	-1.46
	6695	149	a	12	-5.55	3.30	-2.25	-1	-1.25
	6875	185	a	12	-5.65	3.30	-2.35	-1	-1.35
	6535	117	ax (20MHz)	24/25.8 (MCS2)	-6.30	3.30	-3.00	-1	-2.00
	6695	149	ax (20MHz)	24/25.8 (MCS2)	-5.91	3.30	-2.61	-1	-1.61
	6875	185	ax (20MHz)	24/25.8 (MCS2)	-6.36	3.30	-3.06	-1	-2.06
	6565	123	ax (40MHz)	49/51.6 (MCS2)	-5.98	3.30	-2.68	-1	-1.68
	6725	155	ax (40MHz)	49/51.6 (MCS2)	-6.08	3.30	-2.78	-1	-1.78
	6845	179	ax (40MHz)	49/51.6 (MCS2)	-6.08	3.30	-2.78	-1	-1.78
	6545	119	ax (80MHz)	102/108.1 (MCS2)	-5.83	3.30	-2.53	-1	-1.53
	6705	151	ax (80MHz)	102/108.1 (MCS2)	-5.65	3.30	-2.35	-1	-1.35
	6865	183	ax (80MHz)	102/108.1 (MCS2)	-5.67	3.30	-2.37	-1	-1.37
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	-6.33	3.30	-3.03	-1	-2.03
	6825	175	ax (160MHz)	183.8/216.2 (MCS2)	-6.03	3.30	-2.73	-1	-1.73
Band 8	6895	189	a	12	-4.00	2.20	-1.80	-1	-0.80
	6995	209	a	12	-3.66	2.20	-1.46	-1	-0.46
	7115	233	a	12	-3.64	2.20	-1.44	-1	-0.44
	6895	189	ax (20MHz)	24/25.8 (MCS2)	-4.26	2.20	-2.06	-1	-1.06
	6995	209	ax (20MHz)	24/25.8 (MCS2)	-4.67	2.20	-2.47	-1	-1.47
	7115	233	ax (20MHz)	24/25.8 (MCS2)	-4.15	2.20	-1.95	-1	-0.94
	6885	187	ax (40MHz)	49/51.6 (MCS2)	-6.35	2.20	-4.15	-1	-3.15
	7005	211	ax (40MHz)	49/51.6 (MCS2)	-4.22	2.20	-2.02	-1	-1.02
	7085	227	ax (40MHz)	49/51.6 (MCS2)	-3.98	2.20	-1.78	-1	-0.78
	6945	199	ax (80MHz)	102/108.1 (MCS2)	-4.25	2.20	-2.05	-1	-1.05
	7025	215	ax (80MHz)	102/108.1 (MCS2)	-3.70	2.20	-1.50	-1	-0.50
	6985	207	ax (160MHz)	183.8/216.2 (MCS2)	-4.49	2.20	-2.29	-1	-1.29

Table 7-131. Power Spectral Density Measurements Antenna WF5B (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	24	-4.44	1.70	-2.74	-1	-1.74
	6175	45	a	24	-3.25	1.70	-1.55	-1	-0.55
	6415	93	a	24	-3.99	1.70	-2.29	-1	-1.29
	5955	1	ax (20MHz)	49/51.6 (MCS4)	-4.43	1.70	-2.73	-1	-1.73
	6175	45	ax (20MHz)	49/51.6 (MCS4)	-4.07	1.70	-2.37	-1	-1.37
	6415	93	ax (20MHz)	49/51.6 (MCS4)	-4.60	1.70	-2.90	-1	-1.90
	5965	3	ax (40MHz)	98/103.2 (MCS4)	-4.26	1.70	-2.56	-1	-1.56
	6165	43	ax (40MHz)	98/103.2 (MCS4)	-3.42	1.70	-1.72	-1	-0.72
	6405	91	ax (40MHz)	98/103.2 (MCS4)	-3.96	1.70	-2.26	-1	-1.26
	5985	7	ax (80MHz)	204/216.2 (MCS4)	-4.52	1.70	-2.82	-1	-1.82
	6145	39	ax (80MHz)	204/216.2 (MCS4)	-3.67	1.70	-1.97	-1	-0.97
	6385	87	ax (80MHz)	204/216.2 (MCS4)	-4.05	1.70	-2.35	-1	-1.35
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	-4.27	1.70	-2.57	-1	-1.57
	6185	47	ax (160MHz)	367.5/432.4 (MCS4)	-3.73	1.70	-2.03	-1	-1.03
	6345	79	ax (160MHz)	367.5/432.4 (MCS4)	-4.14	1.70	-2.44	-1	-1.44
Band 6	6435	97	a	24	-4.61	2.40	-2.21	-1	-1.21
	6475	105	a	24	-4.70	2.40	-2.30	-1	-1.30
	6515	113	a	24	-4.86	2.40	-2.46	-1	-1.46
	6435	97	ax (20MHz)	49/51.6 (MCS4)	-4.90	2.40	-2.50	-1	-1.50
	6475	105	ax (20MHz)	49/51.6 (MCS4)	-5.10	2.40	-2.70	-1	-1.70
	6515	113	ax (20MHz)	49/51.6 (MCS4)	-5.15	2.40	-2.75	-1	-1.75
	6445	99	ax (40MHz)	98/103.2 (MCS4)	-5.08	2.40	-2.68	-1	-1.68
	6485	107	ax (40MHz)	98/103.2 (MCS4)	-4.69	2.40	-2.29	-1	-1.29
	6525	115	ax (40MHz)	98/103.2 (MCS4)	-5.96	2.40	-3.56	-1	-2.56
	6465	103	ax (80MHz)	204/216.2 (MCS4)	-4.57	2.40	-2.17	-1	-1.17
	6505	111	ax (160MHz)	367.5/432.4 (MCS4)	-5.89	2.40	-3.49	-1	-2.49
Band 7	6535	117	a	24	-5.81	3.30	-2.51	-1	-1.51
	6695	149	a	24	-5.42	3.30	-2.12	-1	-1.12
	6875	185	a	24	-5.97	3.30	-2.67	-1	-1.67
	6535	117	ax (20MHz)	49/51.6 (MCS4)	-6.34	3.30	-3.04	-1	-2.04
	6695	149	ax (20MHz)	49/51.6 (MCS4)	-5.80	3.30	-2.50	-1	-1.50
	6875	185	ax (20MHz)	49/51.6 (MCS4)	-6.15	3.30	-2.85	-1	-1.85
	6565	123	ax (40MHz)	98/103.2 (MCS4)	-6.20	3.30	-2.90	-1	-1.90
	6725	155	ax (40MHz)	98/103.2 (MCS4)	-6.04	3.30	-2.74	-1	-1.74
	6845	179	ax (40MHz)	98/103.2 (MCS4)	-5.90	3.30	-2.60	-1	-1.60
	6545	119	ax (80MHz)	204/216.2 (MCS4)	-5.59	3.30	-2.29	-1	-1.29
	6705	151	ax (80MHz)	204/216.2 (MCS4)	-5.73	3.30	-2.43	-1	-1.43
	6865	183	ax (80MHz)	204/216.2 (MCS4)	-5.56	3.30	-2.26	-1	-1.26
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	-5.91	3.30	-2.61	-1	-1.61
	6825	175	ax (160MHz)	367.5/432.4 (MCS4)	-5.93	3.30	-2.63	-1	-1.63
Band 8	6895	189	a	24	-3.73	2.20	-1.53	-1	-0.53
	6995	209	a	24	-3.80	2.20	-1.60	-1	-0.60
	7115	233	a	24	-3.59	2.20	-1.39	-1	-0.39
	6895	189	ax (20MHz)	49/51.6 (MCS4)	-4.06	2.20	-1.86	-1	-0.86
	6995	209	ax (20MHz)	49/51.6 (MCS4)	-4.45	2.20	-2.25	-1	-1.25
	7115	233	ax (20MHz)	49/51.6 (MCS4)	-4.00	2.20	-1.80	-1	-0.80
	6885	187	ax (40MHz)	98/103.2 (MCS4)	-6.03	2.20	-3.83	-1	-2.83
	7005	211	ax (40MHz)	98/103.2 (MCS4)	-3.94	2.20	-1.74	-1	-0.74
	7085	227	ax (40MHz)	98/103.2 (MCS4)	-4.11	2.20	-1.91	-1	-0.91
	6945	199	ax (80MHz)	204/216.2 (MCS4)	-4.44	2.20	-2.24	-1	-1.24
	7025	215	ax (80MHz)	204/216.2 (MCS4)	-3.80	2.20	-1.60	-1	-0.60
	6985	207	ax (160MHz)	367.5/432.4 (MCS4)	-4.22	2.20	-2.02	-1	-1.02

Table 7-132. Power Spectral Density Measurements Antenna WF5B (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	54	-4.12	1.70	-2.42	-1	-1.42
	6175	45	a	54	-3.31	1.70	-1.61	-1	-0.61
	6415	93	a	54	-3.52	1.70	-1.82	-1	-0.82
	5955	1	ax (20MHz)	135/143.4 (MCS11)	-4.67	1.70	-2.97	-1	-1.97
	6175	45	ax (20MHz)	135/143.4 (MCS11)	-3.67	1.70	-1.97	-1	-0.97
	6415	93	ax (20MHz)	135/143.4 (MCS11)	-3.98	1.70	-2.28	-1	-1.28
	5965	3	ax (40MHz)	271/286.8 (MCS11)	-4.24	1.70	-2.54	-1	-1.54
	6165	43	ax (40MHz)	271/286.8 (MCS11)	-3.40	1.70	-1.70	-1	-0.70
	6405	91	ax (40MHz)	271/286.8 (MCS11)	-3.80	1.70	-2.10	-1	-1.10
	5985	7	ax (80MHz)	567/600.5 (MCS11)	-4.20	1.70	-2.50	-1	-1.50
	6145	39	ax (80MHz)	567/600.5 (MCS11)	-3.68	1.70	-1.98	-1	-0.98
	6385	87	ax (80MHz)	567/600.5 (MCS11)	-3.55	1.70	-1.85	-1	-0.85
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	-4.20	1.70	-2.50	-1	-1.50
	6185	47	ax (160MHz)	1020.8/1201 (MCS11)	-3.66	1.70	-1.96	-1	-0.96
	6345	79	ax (160MHz)	1020.8/1201 (MCS11)	-4.26	1.70	-2.56	-1	-1.56
Band 6	6435	97	a	54	-4.62	2.40	-2.22	-1	-1.22
	6475	105	a	54	-4.38	2.40	-1.98	-1	-0.98
	6515	113	a	54	-4.53	2.40	-2.13	-1	-1.13
	6435	97	ax (20MHz)	135/143.4 (MCS11)	-5.13	2.40	-2.73	-1	-1.73
	6475	105	ax (20MHz)	135/143.4 (MCS11)	-5.15	2.40	-2.75	-1	-1.75
	6515	113	ax (20MHz)	135/143.4 (MCS11)	-5.22	2.40	-2.82	-1	-1.82
	6445	99	ax (40MHz)	271/286.8 (MCS11)	-5.08	2.40	-2.68	-1	-1.68
	6485	107	ax (40MHz)	271/286.8 (MCS11)	-4.65	2.40	-2.25	-1	-1.25
	6525	115	ax (40MHz)	271/286.8 (MCS11)	-6.00	2.40	-3.60	-1	-2.60
	6465	103	ax (80MHz)	567/600.5 (MCS11)	-4.78	2.40	-2.38	-1	-1.38
	6505	111	ax (160MHz)	1020.8/1201 (MCS11)	-5.71	2.40	-3.31	-1	-2.31
Band 7	6535	117	a	54	-5.44	3.30	-2.14	-1	-1.14
	6695	149	a	54	-5.37	3.30	-2.07	-1	-1.07
	6875	185	a	54	-5.63	3.30	-2.33	-1	-1.33
	6535	117	ax (20MHz)	135/143.4 (MCS11)	-6.05	3.30	-2.75	-1	-1.75
	6695	149	ax (20MHz)	135/143.4 (MCS11)	-5.52	3.30	-2.22	-1	-1.22
	6875	185	ax (20MHz)	135/143.4 (MCS11)	-5.91	3.30	-2.61	-1	-1.61
	6565	123	ax (40MHz)	271/286.8 (MCS11)	-5.82	3.30	-2.52	-1	-1.52
	6725	155	ax (40MHz)	271/286.8 (MCS11)	-6.14	3.30	-2.84	-1	-1.84
	6845	179	ax (40MHz)	271/286.8 (MCS11)	-5.94	3.30	-2.64	-1	-1.64
	6545	119	ax (80MHz)	567/600.5 (MCS11)	-5.48	3.30	-2.18	-1	-1.18
	6705	151	ax (80MHz)	567/600.5 (MCS11)	-5.51	3.30	-2.21	-1	-1.21
	6865	183	ax (80MHz)	567/600.5 (MCS11)	-5.76	3.30	-2.46	-1	-1.46
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	-6.15	3.30	-2.85	-1	-1.85
	6825	175	ax (160MHz)	1020.8/1201 (MCS11)	-5.76	3.30	-2.46	-1	-1.46
Band 8	6895	189	a	54	-3.78	2.20	-1.58	-1	-0.58
	6995	209	a	54	-3.85	2.20	-1.65	-1	-0.65
	7115	233	a	54	-3.59	2.20	-1.39	-1	-0.39
	6895	189	ax (20MHz)	135/143.4 (MCS11)	-4.10	2.20	-1.90	-1	-0.90
	6995	209	ax (20MHz)	135/143.4 (MCS11)	-4.13	2.20	-1.93	-1	-0.93
	7115	233	ax (20MHz)	135/143.4 (MCS11)	-4.20	2.20	-2.00	-1	-1.00
	6885	187	ax (40MHz)	271/286.8 (MCS11)	-6.04	2.20	-3.84	-1	-2.84
	7005	211	ax (40MHz)	271/286.8 (MCS11)	-3.91	2.20	-1.71	-1	-0.71
	7085	227	ax (40MHz)	271/286.8 (MCS11)	-3.70	2.20	-1.50	-1	-0.50
	6945	199	ax (80MHz)	567/600.5 (MCS11)	-3.73	2.20	-1.53	-1	-0.53
	7025	215	ax (80MHz)	567/600.5 (MCS11)	-3.59	2.20	-1.39	-1	-0.39
	6985	207	ax (160MHz)	1020.8/1201 (MCS11)	-3.91	2.20	-1.71	-1	-0.71

Table 7-133. Power Spectral Density Measurements Antenna WF5B (High Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	12	5.97	1.70	7.67	17	-9.33
	6175	45	a	12	6.38	1.70	8.08	17	-8.92
	6415	93	a	12	6.81	1.70	8.51	17	-8.49
	5955	1	ax (20MHz)	24/25.8 (MCS2)	5.89	1.70	7.59	17	-9.42
	6175	45	ax (20MHz)	24/25.8 (MCS2)	5.99	1.70	7.69	17	-9.31
	6415	93	ax (20MHz)	24/25.8 (MCS2)	6.33	1.70	8.03	17	-8.97
	5965	3	ax (40MHz)	49/51.6 (MCS2)	3.07	1.70	4.77	17	-12.23
	6165	43	ax (40MHz)	49/51.6 (MCS2)	3.27	1.70	4.97	17	-12.03
	6405	91	ax (40MHz)	49/51.6 (MCS2)	3.17	1.70	4.87	17	-12.13
	5985	7	ax (80MHz)	102/108.1 (MCS2)	0.27	1.70	1.97	17	-15.03
	6145	39	ax (80MHz)	102/108.1 (MCS2)	0.36	1.70	2.06	17	-14.94
	6385	87	ax (80MHz)	102/108.1 (MCS2)	0.50	1.70	2.20	17	-14.80
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	-2.62	1.70	-0.92	17	-17.92
	6181	47	ax (160MHz)	183.8/216.2 (MCS2)	-2.52	1.70	-0.82	17	-17.82
	6345	79	ax (160MHz)	183.8/216.2 (MCS2)	-3.05	1.70	-1.35	17	-18.35
Band 7	6535	117	a	12	6.14	3.30	9.44	17	-7.56
	6695	149	a	12	6.47	3.30	9.77	17	-7.23
	6875	181	a	12	6.15	3.30	9.45	17	-7.55
	6535	117	ax (20MHz)	24/25.8 (MCS2)	5.91	3.30	9.21	17	-7.79
	6695	149	ax (20MHz)	24/25.8 (MCS2)	6.10	3.30	9.40	17	-7.60
	6875	181	ax (20MHz)	24/25.8 (MCS2)	5.87	3.30	9.17	17	-7.83
	6565	123	ax (40MHz)	49/51.6 (MCS2)	3.08	3.30	6.38	17	-10.63
	6725	155	ax (40MHz)	49/51.6 (MCS2)	3.11	3.30	6.41	17	-10.59
	6845	179	ax (40MHz)	49/51.6 (MCS2)	3.17	3.30	6.47	17	-10.53
	6545	135	ax (80MHz)	102/108.1 (MCS2)	0.32	3.30	3.62	17	-13.38
	6705	151	ax (80MHz)	102/108.1 (MCS2)	0.47	3.30	3.77	17	-13.23
	6865	167	ax (80MHz)	102/108.1 (MCS2)	0.68	3.30	3.98	17	-13.02
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	-2.73	3.30	0.57	17	-16.43

Table 7-134. Power Spectral Density Measurements Antenna WF5B Standard Power (Low Data Rate)

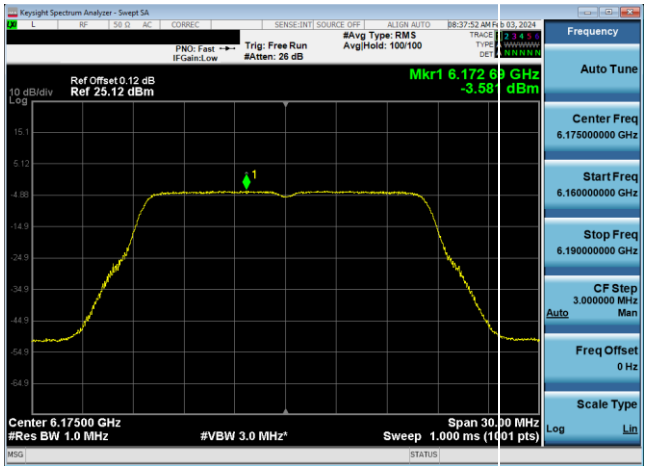
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	24	6.40	1.70	8.10	17	-8.90
	6175	45	a	24	6.63	1.70	8.33	17	-8.68
	6415	93	a	24	6.57	1.70	8.27	17	-8.73
	5955	1	ax (20MHz)	49/51.6 (MCS4)	5.82	1.70	7.52	17	-9.48
	6175	45	ax (20MHz)	49/51.6 (MCS4)	6.03	1.70	7.73	17	-9.27
	6415	93	ax (20MHz)	49/51.6 (MCS4)	6.49	1.70	8.19	17	-8.81
	5965	3	ax (40MHz)	98/103.2 (MCS4)	3.16	1.70	4.86	17	-12.14
	6165	43	ax (40MHz)	98/103.2 (MCS4)	3.38	1.70	5.08	17	-11.92
	6405	91	ax (40MHz)	98/103.2 (MCS4)	3.32	1.70	5.02	17	-11.98
	5985	7	ax (80MHz)	204/216.2 (MCS4)	0.30	1.70	2.00	17	-15.00
	6145	39	ax (80MHz)	204/216.2 (MCS4)	0.52	1.70	2.22	17	-14.78
	6385	87	ax (80MHz)	204/216.2 (MCS4)	0.67	1.70	2.37	17	-14.63
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	-2.54	1.70	-0.84	17	-17.84
	6181	47	ax (160MHz)	367.5/432.4 (MCS4)	-2.56	1.70	-0.86	17	-17.86
	6345	79	ax (160MHz)	367.5/432.4 (MCS4)	-2.83	1.70	-1.13	17	-18.13
Band 7	6535	117	a	24	6.25	3.30	9.55	17	-7.45
	6695	149	a	24	6.58	3.30	9.88	17	-7.12
	6875	181	a	24	6.55	3.30	9.85	17	-7.15
	6535	117	ax (20MHz)	49/51.6 (MCS4)	6.57	3.30	8.27	17	-8.73
	6695	149	ax (20MHz)	49/51.6 (MCS4)	6.23	3.30	9.53	17	-7.47
	6875	181	ax (20MHz)	49/51.6 (MCS4)	6.58	3.30	9.88	17	-7.12
	6565	123	ax (40MHz)	98/103.2 (MCS4)	3.30	3.30	6.60	17	-10.40
	6725	155	ax (40MHz)	98/103.2 (MCS4)	3.43	3.30	6.73	17	-10.27
	6845	179	ax (40MHz)	98/103.2 (MCS4)	3.40	3.30	6.70	17	-10.30
	6545	135	ax (80MHz)	204/216.2 (MCS4)	0.24	3.30	3.54	17	-13.47
	6705	151	ax (80MHz)	204/216.2 (MCS4)	0.50	3.30	3.80	17	-13.20
	6865	167	ax (80MHz)	204/216.2 (MCS4)	0.75	3.30	4.05	17	-12.95
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	-2.92	3.30	0.38	17	-16.62

Table 7-135. Power Spectral Density Measurements Antenna WF5B Standard Power (Mid Data Rate)

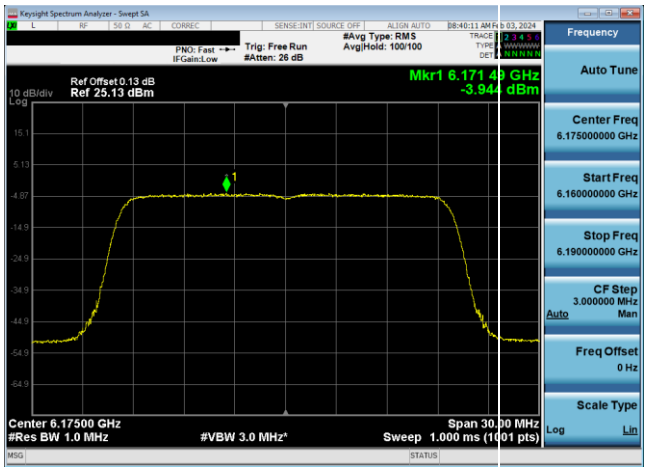
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Power Density [dBm/MHz]	Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	a	54	6.44	1.70	8.14	17	-8.86
	6175	45	a	54	6.31	1.70	8.01	17	-8.99
	6415	93	a	54	6.87	1.70	8.57	17	-8.44
	5955	1	ax (20MHz)	135/143.4 (MCS11)	5.85	1.70	7.55	17	-9.45
	6175	45	ax (20MHz)	135/143.4 (MCS11)	5.86	1.70	7.56	17	-9.44
	6415	93	ax (20MHz)	135/143.4 (MCS11)	6.48	1.70	8.18	17	-8.82
	5965	3	ax (40MHz)	271/286.8 (MCS11)	3.47	1.70	5.17	17	-11.83
	6165	43	ax (40MHz)	271/286.8 (MCS11)	3.68	1.70	5.38	17	-11.62
	6405	91	ax (40MHz)	271/286.8 (MCS11)	3.43	1.70	5.13	17	-11.87
	5985	7	ax (80MHz)	567/600.5 (MCS11)	0.12	1.70	1.82	17	-15.18
	6145	39	ax (80MHz)	567/600.5 (MCS11)	0.22	1.70	1.92	17	-15.08
	6385	87	ax (80MHz)	567/600.5 (MCS11)	0.49	1.70	2.19	17	-14.81
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	-2.45	1.70	-0.75	17	-17.75
	6181	47	ax (160MHz)	1020.8/1201 (MCS11)	-2.63	1.70	-0.93	17	-17.93
	6345	79	ax (160MHz)	1020.8/1201 (MCS11)	-3.01	1.70	-1.31	17	-18.31
Band 7	6535	117	a	54	6.72	3.30	10.02	17	-6.98
	6695	149	a	54	6.83	3.30	10.13	17	-6.87
	6875	181	a	54	6.62	3.30	9.92	17	-7.08
	6535	117	ax (20MHz)	135/143.4 (MCS11)	5.96	3.30	9.26	17	-7.74
	6695	149	ax (20MHz)	135/143.4 (MCS11)	6.11	3.30	9.41	17	-7.59
	6875	181	ax (20MHz)	135/143.4 (MCS11)	5.85	3.30	9.15	17	-7.85
	6565	123	ax (40MHz)	271/286.8 (MCS11)	3.26	3.30	6.56	17	-10.44
	6725	155	ax (40MHz)	271/286.8 (MCS11)	3.50	3.30	6.80	17	-10.20
	6845	179	ax (40MHz)	271/286.8 (MCS11)	3.50	3.30	6.80	17	-10.20
	6545	135	ax (80MHz)	567/600.5 (MCS11)	0.18	3.30	3.48	17	-13.53
	6705	151	ax (80MHz)	567/600.5 (MCS11)	0.46	3.30	3.76	17	-13.24
	6865	167	ax (80MHz)	567/600.5 (MCS11)	0.46	3.30	3.76	17	-13.24
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	-2.89	3.30	0.41	17	-16.59

Table 7-136. Power Spectral Density Measurements Antenna WF5B Standard Power (High Data Rate)

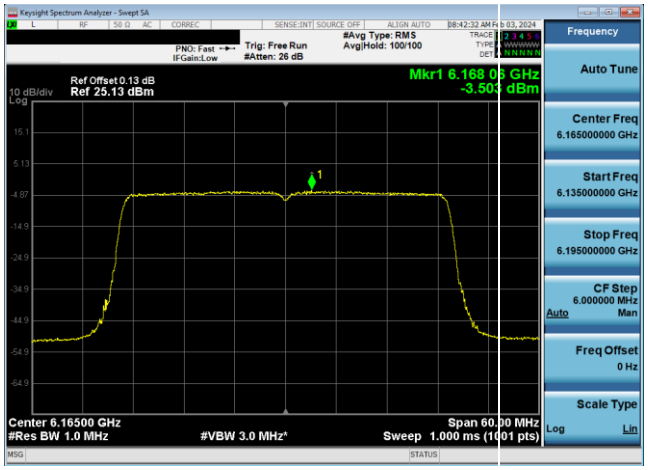
Low Data Rate



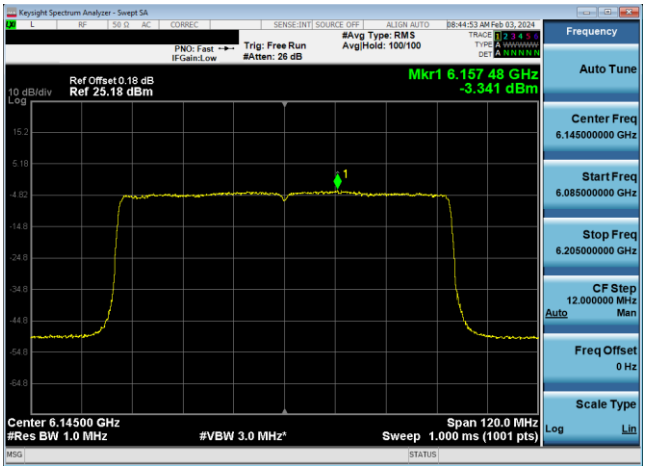
Plot 7-181. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



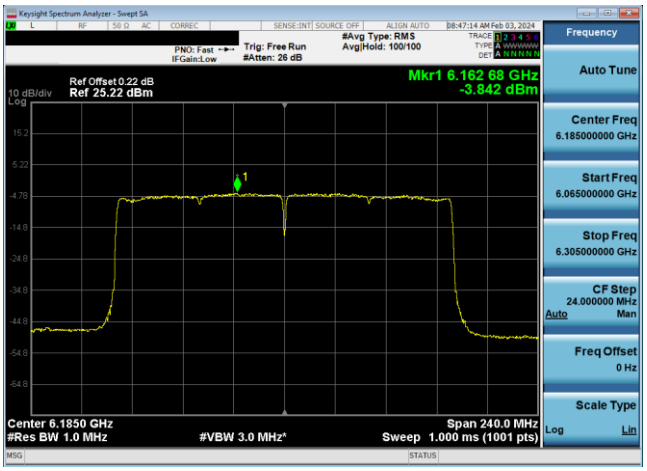
Plot 7-182. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



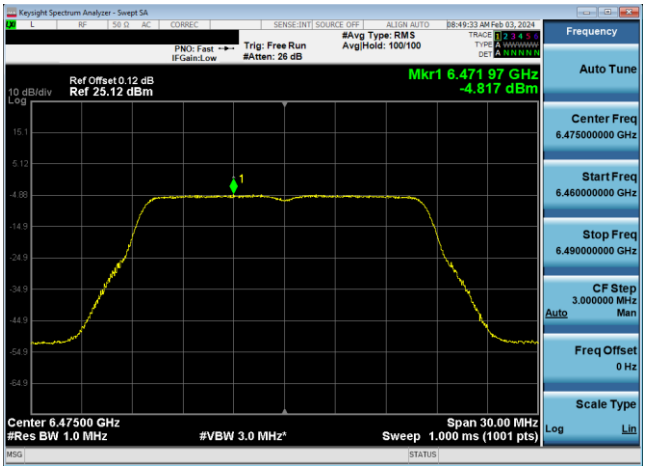
Plot 7-183. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)



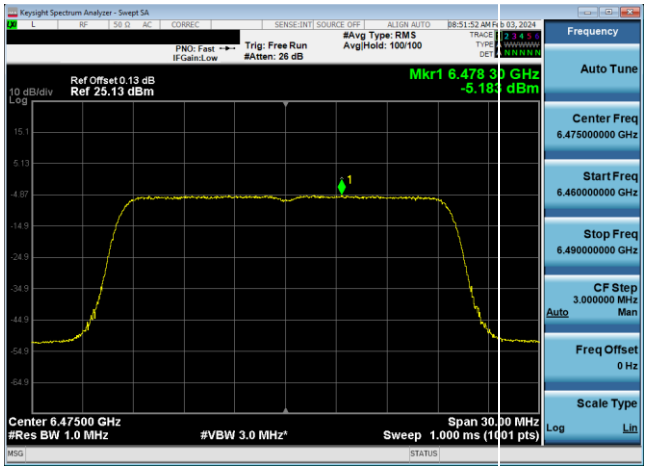
Plot 7-184. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



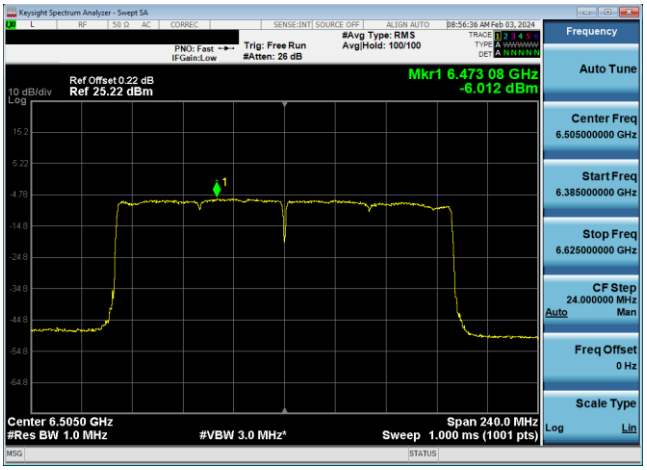
Plot 7-185. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



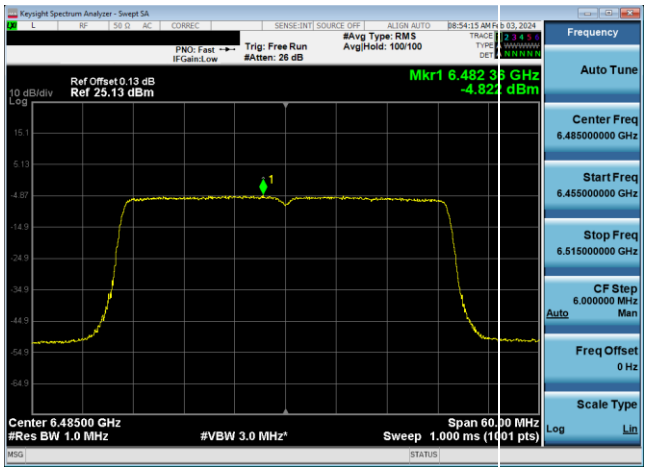
Plot 7-186. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 12Mbps)



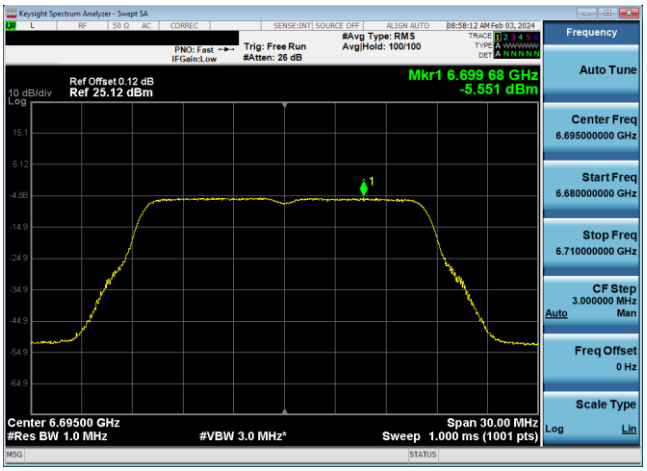
Plot 7-187. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



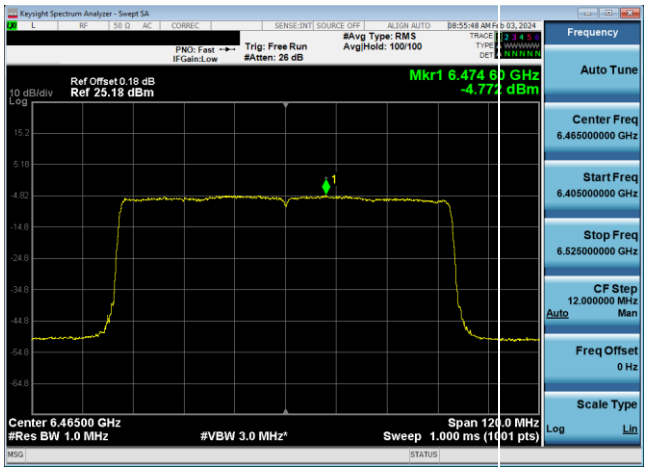
Plot 7-190. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



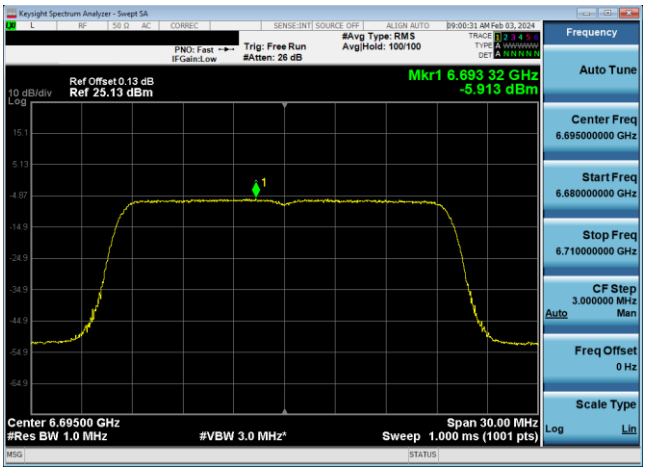
Plot 7-188. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



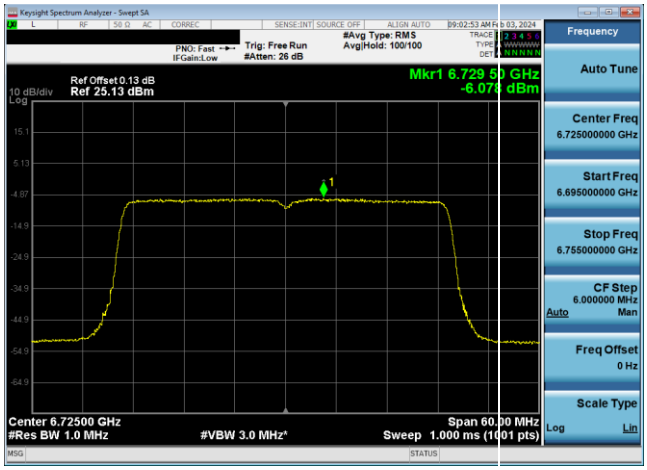
Plot 7-191. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)



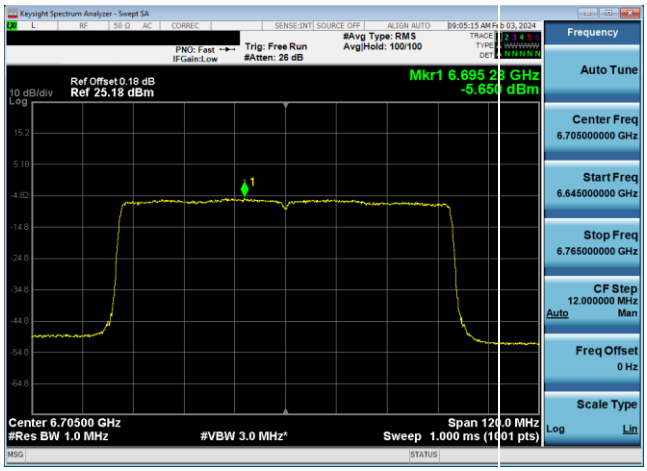
Plot 7-189. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)



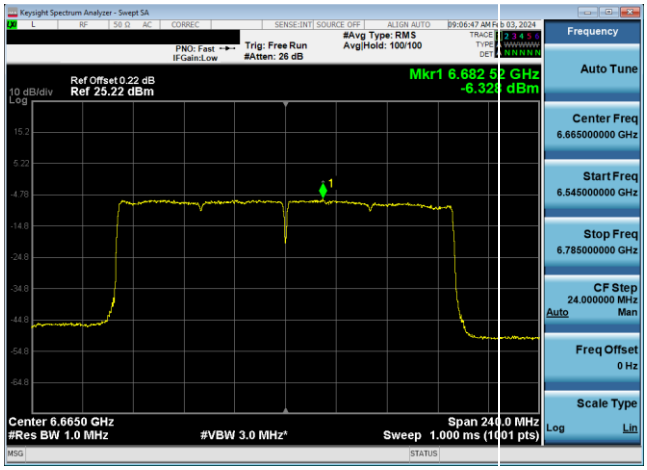
Plot 7-192. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)



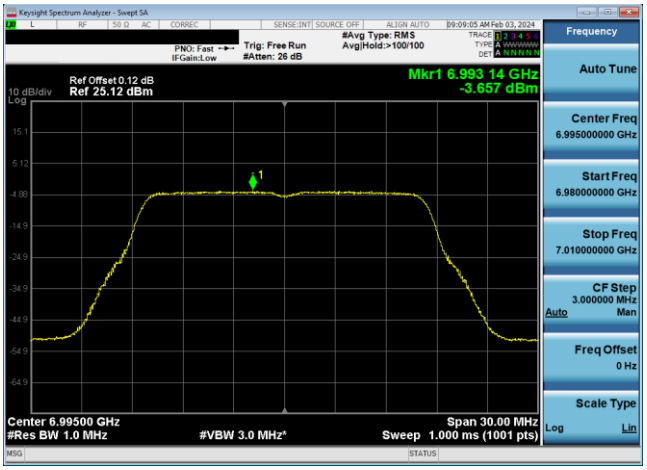
Plot 7-193. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



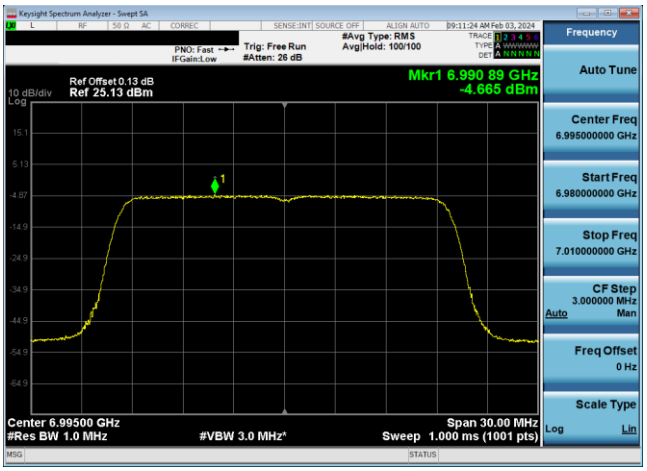
Plot 7-194. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



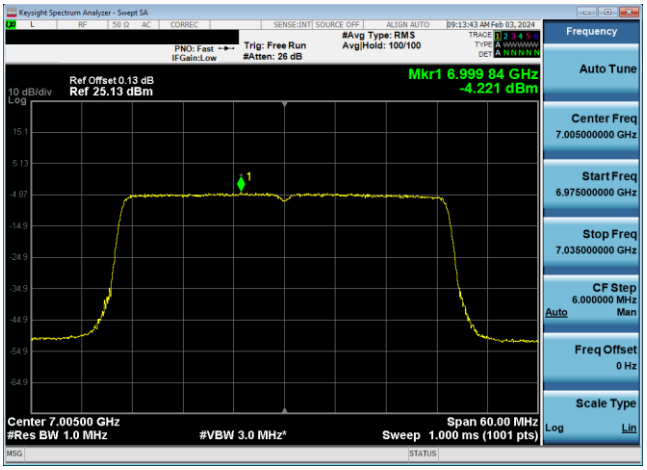
Plot 7-195. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)



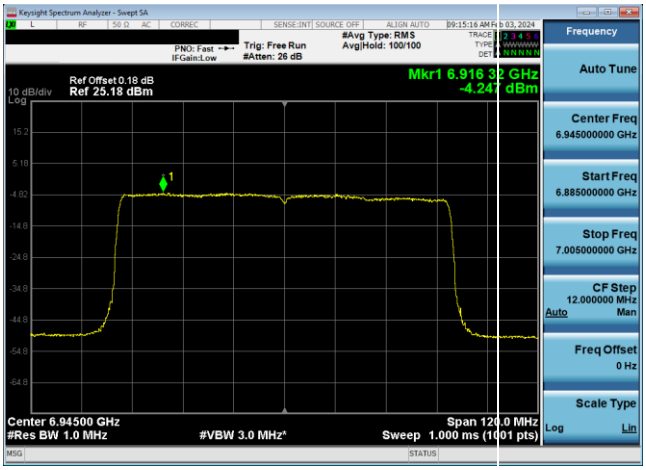
Plot 7-196. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 12Mbps)



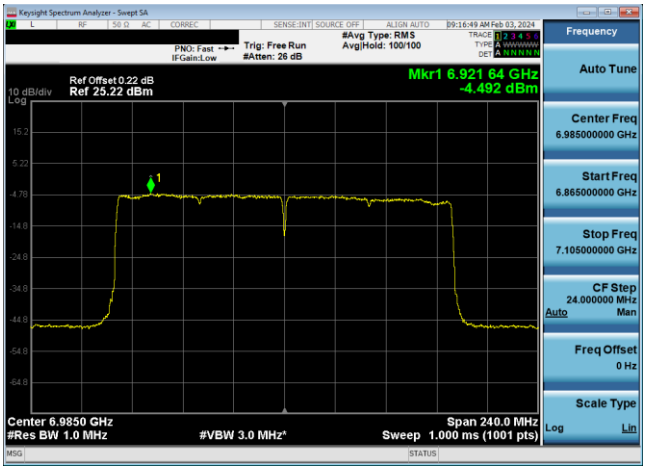
Plot 7-197. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS2)



Plot 7-198. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

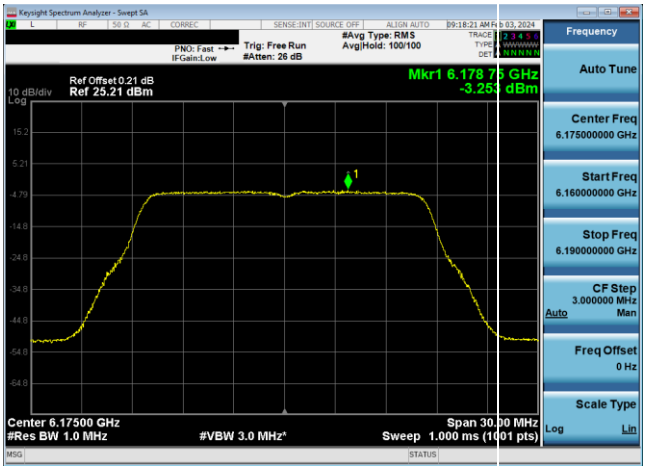


Plot 7-199. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)

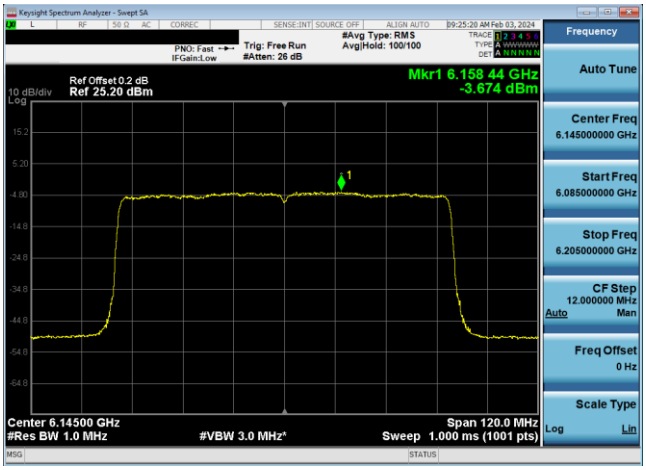


Plot 7-200. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

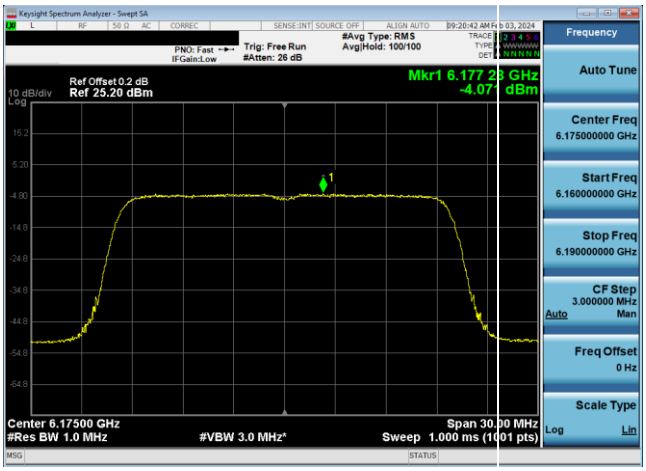
Mid Data Rate



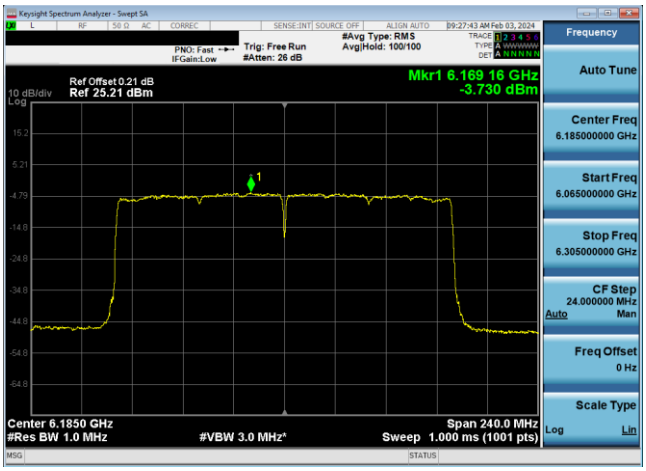
Plot 7-201. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



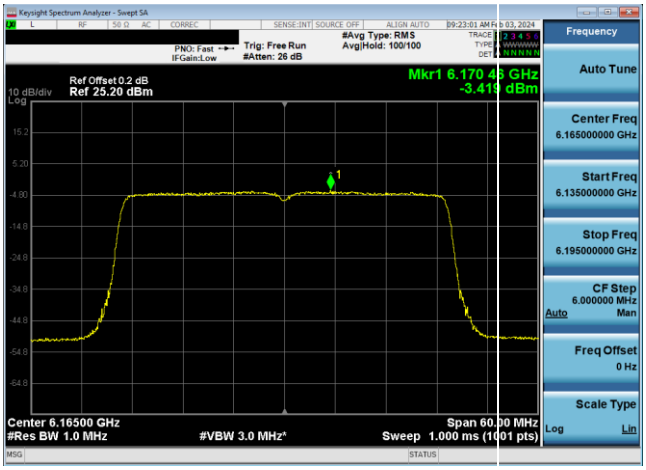
Plot 7-204. Power Spectral Density Plot Antenna WF5B LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



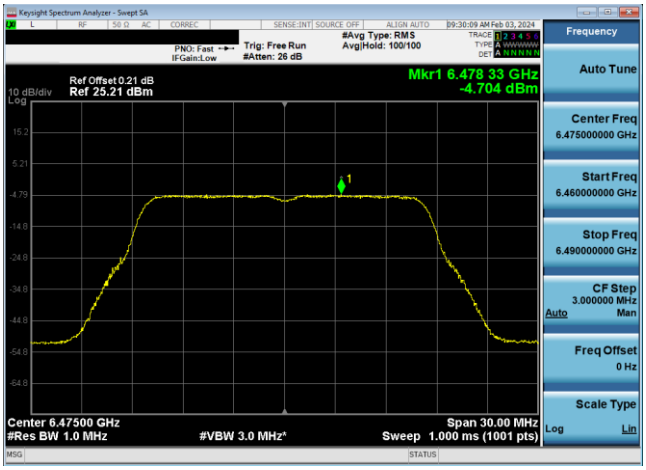
Plot 7-202. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-205. Power Spectral Density Plot Antenna WF5B LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)



Plot 7-203. Power Spectral Density Plot Antenna WF5B LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)



Plot 7-206. Power Spectral Density Plot Antenna WF5B LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)