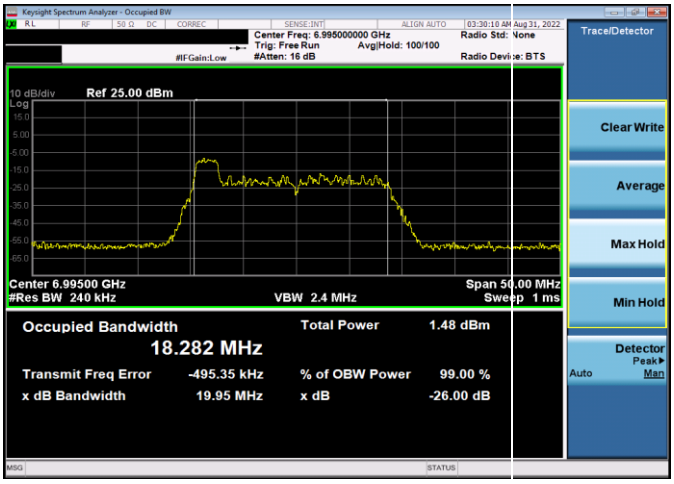
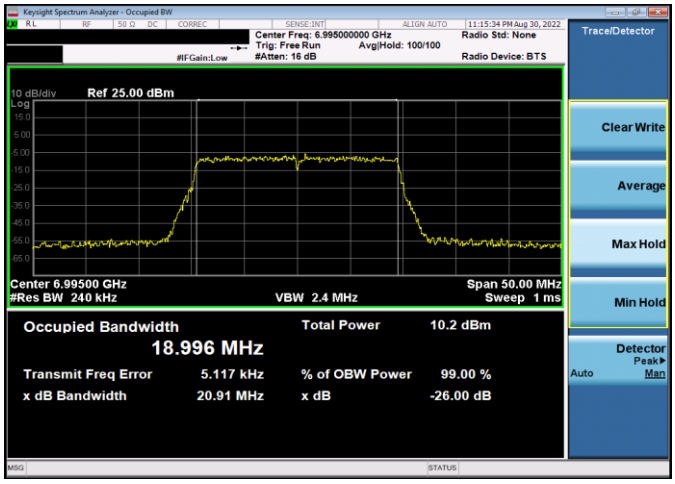
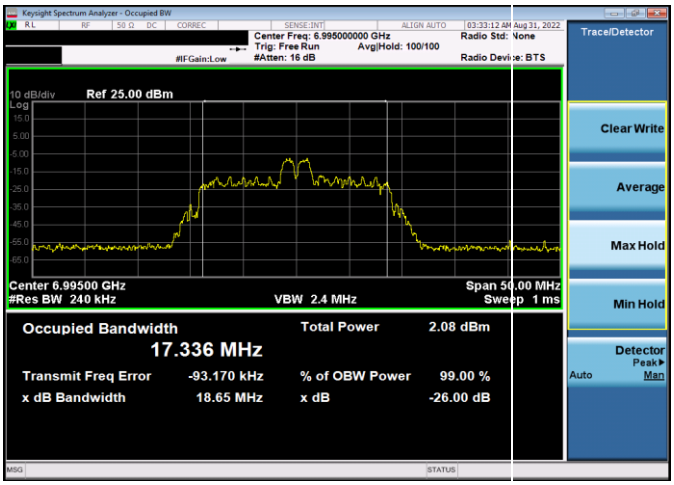


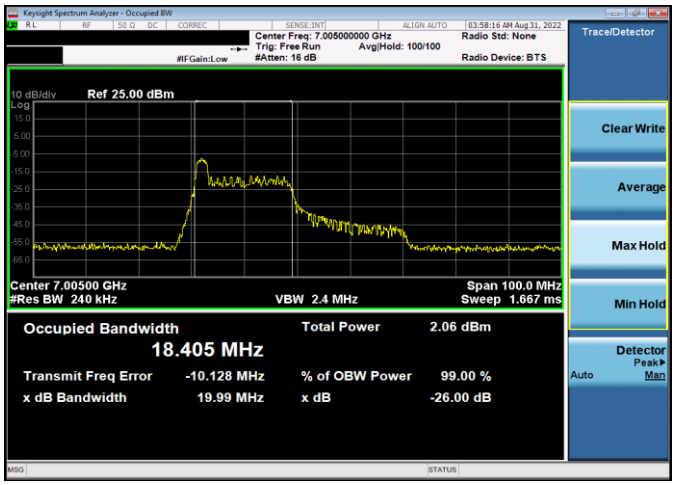
Plot 7-113. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



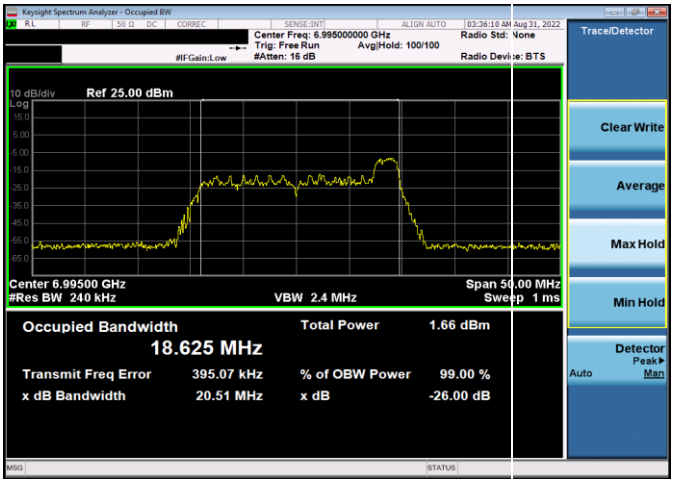
Plot 7-116. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 8) – Ch. 209)



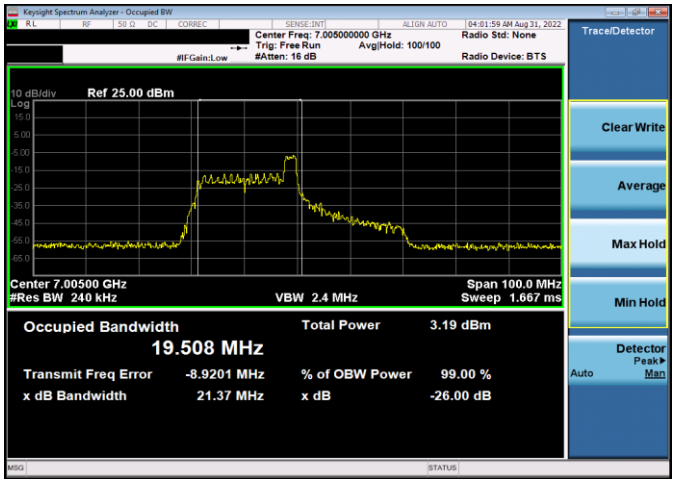
Plot 7-114. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



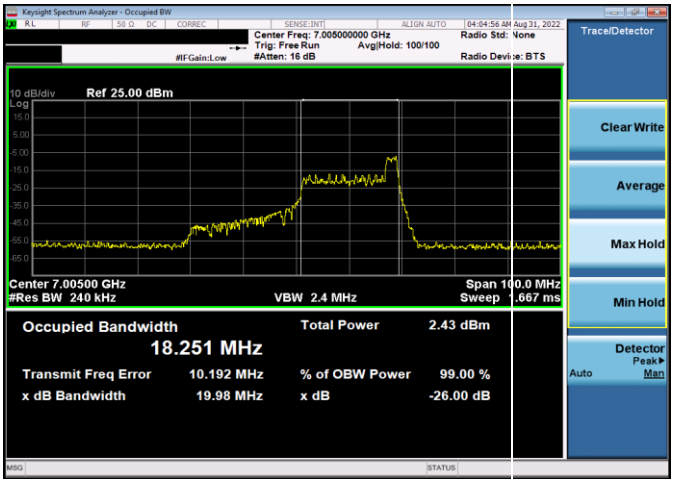
Plot 7-117. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



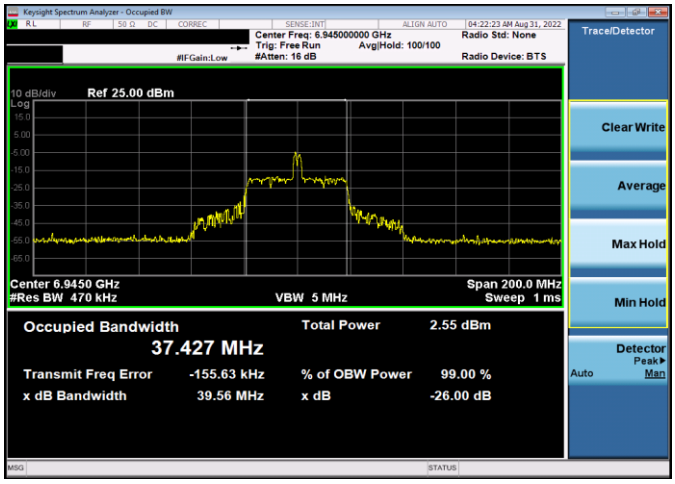
Plot 7-115. 26dB & 99% Bandwidth Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



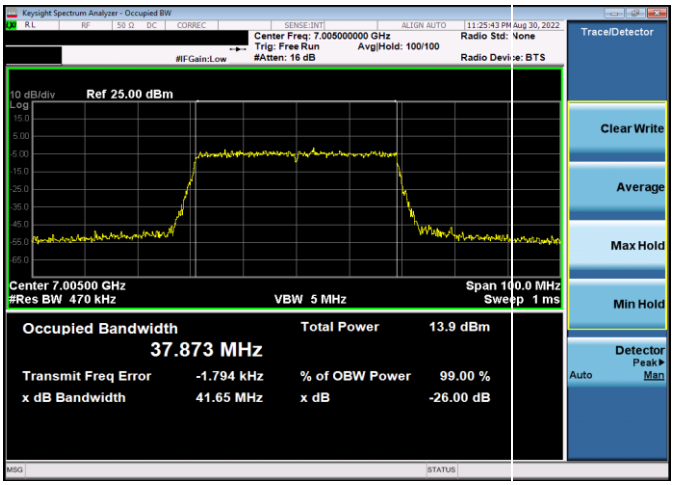
Plot 7-118. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



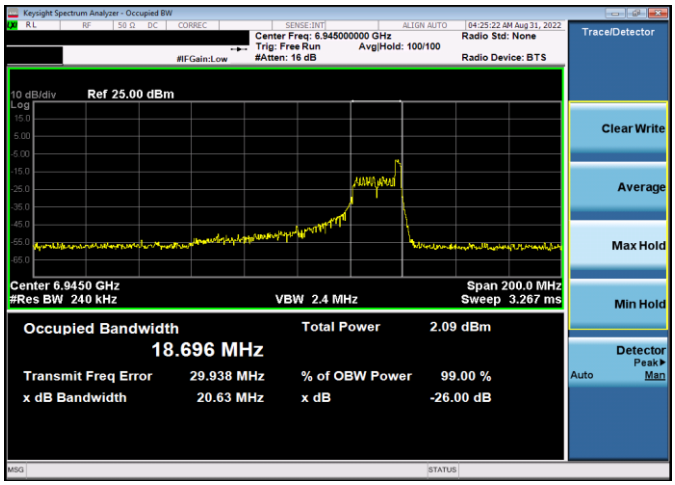
Plot 7-119. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



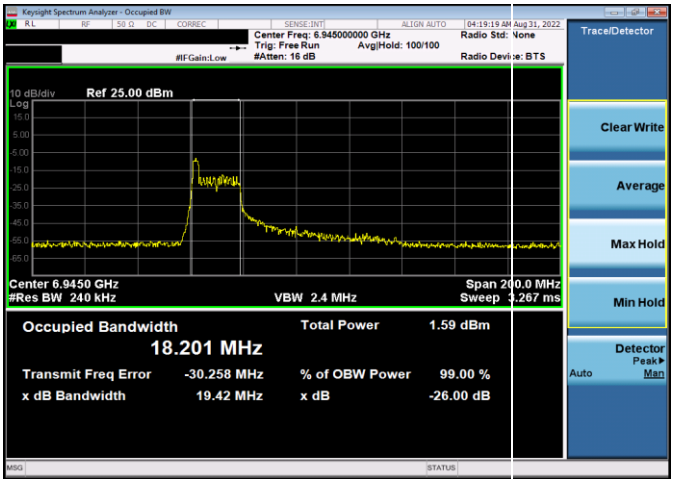
Plot 7-122. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



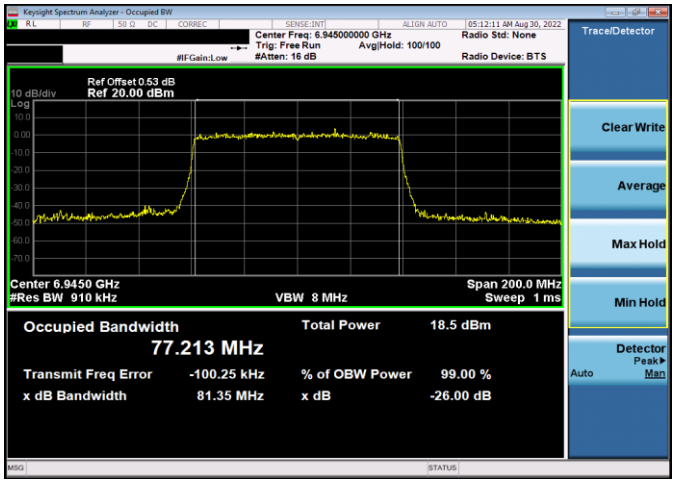
Plot 7-120. 26dB & 99% Bandwidth Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 211)



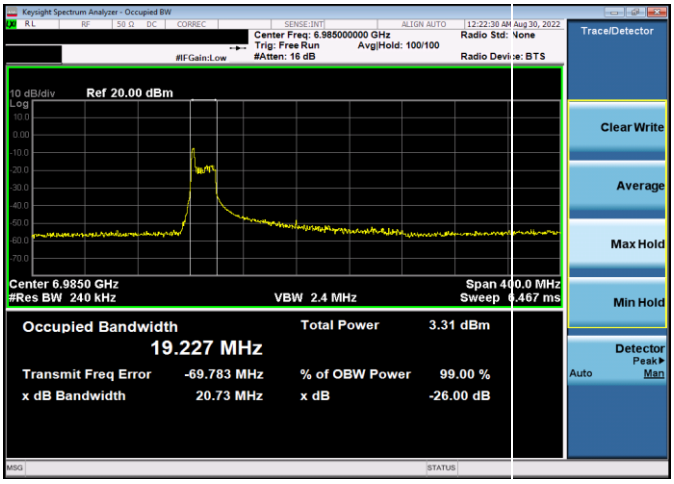
Plot 7-123. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



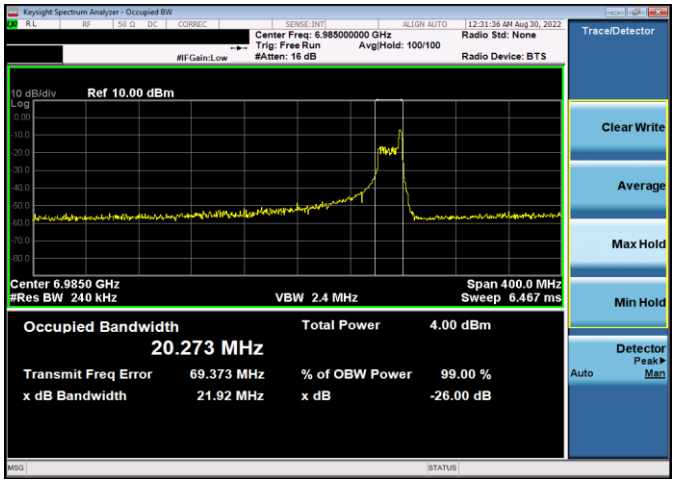
Plot 7-121. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



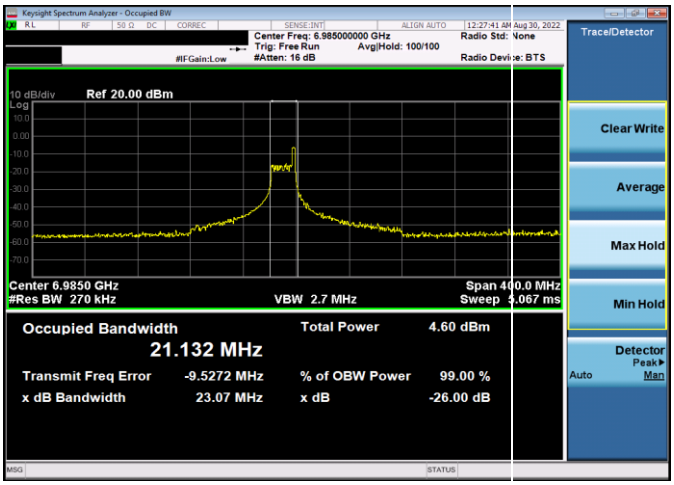
Plot 7-124. 26dB & 99% Bandwidth Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 8) – Ch. 199)



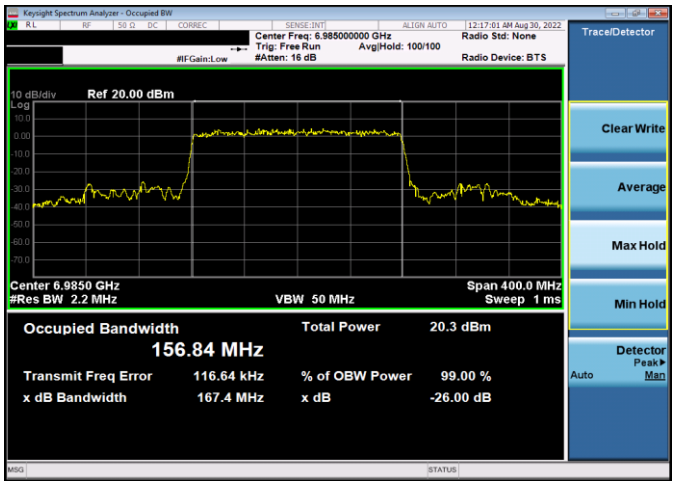
Plot 7-125. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-127. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-126. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-128. 26dB & 99% Bandwidth Plot Antenna 5b (160MHz 802.11ax RU484 (UNII Band 8) – Ch. 207)

7.3 Conducted Output Power and Max EIRP Measurement – 802.11ax OFDMA

§15.407(a)(8), RSS-248 [4.6.3]

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 24 dBm.

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 5b Conducted Output Power Measurements (RU26)

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (20MHz Bandwidth)	5955	1	AVG	26	0	12.5/14.7 (MCS11)	-4.76	4.20	-0.56	24.00	-24.56
			AVG	26	4	12.5/14.7 (MCS11)	-4.84	4.20	-0.64	24.00	-24.64
			AVG	26	8	12.5/14.7 (MCS11)	-4.76	4.20	-0.56	24.00	-24.56
	6175	45	AVG	26	0	12.5/14.7 (MCS11)	-4.86	3.90	-0.96	24.00	-24.96
			AVG	26	4	12.5/14.7 (MCS11)	-4.98	3.90	-1.08	24.00	-25.08
			AVG	26	8	12.5/14.7 (MCS11)	-4.86	3.90	-0.96	24.00	-24.96
	6415	93	AVG	26	0	12.5/14.7 (MCS11)	-4.94	4.30	-0.64	24.00	-24.64
			AVG	26	4	12.5/14.7 (MCS11)	-4.86	4.30	-0.56	24.00	-24.56
			AVG	26	8	12.5/14.7 (MCS11)	-4.79	4.30	-0.49	24.00	-24.49
	6435	97	AVG	26	0	12.5/14.7 (MCS11)	-5.06	4.30	-0.76	24.00	-24.76
			AVG	26	4	12.5/14.7 (MCS11)	-5.04	4.30	-0.74	24.00	-24.74
			AVG	26	8	12.5/14.7 (MCS11)	-5.19	4.30	-0.89	24.00	-24.89
	6475	105	AVG	26	0	12.5/14.7 (MCS11)	-5.10	4.30	-0.80	24.00	-24.80
			AVG	26	4	12.5/14.7 (MCS11)	-5.17	4.30	-0.87	24.00	-24.87
			AVG	26	8	12.5/14.7 (MCS11)	-5.21	4.30	-0.91	24.00	-24.91
	6515	113	AVG	26	0	12.5/14.7 (MCS11)	-5.06	3.40	-1.66	24.00	-25.66
			AVG	26	4	12.5/14.7 (MCS11)	-5.08	3.40	-1.68	24.00	-25.68
			AVG	26	8	12.5/14.7 (MCS11)	-5.11	3.40	-1.71	24.00	-25.71
	6535	117	AVG	26	0	12.5/14.7 (MCS11)	-5.45	3.40	-2.05	24.00	-26.05
			AVG	26	4	12.5/14.7 (MCS11)	-5.30	3.40	-1.90	24.00	-25.90
			AVG	26	8	12.5/14.7 (MCS11)	-5.33	3.40	-1.93	24.00	-25.93
	6695	149	AVG	26	0	12.5/14.7 (MCS11)	-5.26	4.20	-1.06	24.00	-25.06
			AVG	26	4	12.5/14.7 (MCS11)	-5.48	4.20	-1.28	24.00	-25.28
			AVG	26	8	12.5/14.7 (MCS11)	-5.29	4.20	-1.09	24.00	-25.09
	6875	185	AVG	26	0	12.5/14.7 (MCS11)	-5.32	4.70	-0.62	24.00	-24.62
			AVG	26	4	12.5/14.7 (MCS11)	-5.34	4.70	-0.64	24.00	-24.64
			AVG	26	8	12.5/14.7 (MCS11)	-5.35	4.70	-0.65	24.00	-24.65
	6895	189	AVG	26	0	12.5/14.7 (MCS11)	-4.84	4.70	-0.14	24.00	-24.14
			AVG	27	4	12.5/14.7 (MCS11)	-4.77	4.70	-0.07	24.00	-24.07
			AVG	28	8	12.5/14.7 (MCS11)	-4.90	4.70	-0.20	24.00	-24.20
	6995	209	AVG	29	0	12.5/14.7 (MCS11)	-4.93	4.20	-0.73	24.00	-24.73
			AVG	30	4	12.5/14.7 (MCS11)	-4.84	4.20	-0.64	24.00	-24.64
			AVG	31	8	12.5/14.7 (MCS11)	-4.87	4.20	-0.67	24.00	-24.67
	7095	229	AVG	32	0	12.5/14.7 (MCS11)	-4.75	4.10	-0.65	24.00	-24.65
			AVG	33	4	12.5/14.7 (MCS11)	-4.77	4.10	-0.67	24.00	-24.67
			AVG	34	8	12.5/14.7 (MCS11)	-5.00	4.10	-0.90	24.00	-24.90

Table 7-6. Antenna 5b 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	26	0	12.5/14.7 (MCS11)	-4.76	4.20	-0.56	24.00	-24.56
			AVG	26	8	12.5/14.7 (MCS11)	-4.85	4.20	-0.65	24.00	-24.65
			AVG	26	17	12.5/14.7 (MCS11)	-4.90	4.20	-0.70	24.00	-24.70
	6205	51	AVG	26	0	12.5/14.7 (MCS11)	-4.98	4.10	-0.88	24.00	-24.88
			AVG	26	8	12.5/14.7 (MCS11)	-4.77	4.10	-0.67	24.00	-24.67
			AVG	26	17	12.5/14.7 (MCS11)	-4.88	4.10	-0.78	24.00	-24.78
	6405	91	AVG	26	0	12.5/14.7 (MCS11)	-4.91	4.20	-0.71	24.00	-24.71
			AVG	26	8	12.5/14.7 (MCS11)	-4.78	4.20	-0.58	24.00	-24.58
			AVG	26	17	12.5/14.7 (MCS11)	-4.91	4.20	-0.71	24.00	-24.71
	6445	99	AVG	26	0	12.5/14.7 (MCS11)	-5.08	4.30	-0.78	24.00	-24.78
			AVG	26	8	12.5/14.7 (MCS11)	-5.13	4.30	-0.83	24.00	-24.83
			AVG	26	17	12.5/14.7 (MCS11)	-5.14	4.30	-0.84	24.00	-24.84
	6485	107	AVG	26	0	12.5/14.7 (MCS11)	-5.06	4.30	-0.76	24.00	-24.76
			AVG	26	8	12.5/14.7 (MCS11)	-5.20	4.30	-0.90	24.00	-24.90
			AVG	26	17	12.5/14.7 (MCS11)	-5.21	4.30	-0.91	24.00	-24.91
	6525	115	AVG	26	0	12.5/14.7 (MCS11)	-5.29	3.40	-1.89	24.00	-25.89
			AVG	26	8	12.5/14.7 (MCS11)	-5.43	3.40	-2.03	24.00	-26.03
			AVG	26	17	12.5/14.7 (MCS11)	-5.44	3.40	-2.04	24.00	-26.04
	6565	123	AVG	26	0	12.5/14.7 (MCS11)	-5.29	3.40	-1.89	24.00	-25.89
			AVG	26	8	12.5/14.7 (MCS11)	-5.42	3.40	-2.02	24.00	-26.02
			AVG	26	17	12.5/14.7 (MCS11)	-5.33	3.40	-1.93	24.00	-25.93
	6725	155	AVG	26	0	12.5/14.7 (MCS11)	-5.35	4.10	-1.25	24.00	-25.25
			AVG	26	8	12.5/14.7 (MCS11)	-5.30	4.10	-1.20	24.00	-25.20
			AVG	26	17	12.5/14.7 (MCS11)	-5.35	4.10	-1.25	24.00	-25.25
	6845	179	AVG	26	0	12.5/14.7 (MCS11)	-5.46	4.70	-0.76	24.00	-24.76
			AVG	26	8	12.5/14.7 (MCS11)	-5.40	4.70	-0.70	24.00	-24.70
			AVG	26	17	12.5/14.7 (MCS11)	-5.40	4.70	-0.70	24.00	-24.70
	6885	187	AVG	26	0	12.5/14.7 (MCS11)	-5.31	4.70	-0.61	24.00	-24.61
			AVG	26	8	12.5/14.7 (MCS11)	-5.38	4.70	-0.68	24.00	-24.68
			AVG	26	17	12.5/14.7 (MCS11)	-5.35	4.70	-0.65	24.00	-24.65
	6965	203	AVG	26	0	12.5/14.7 (MCS11)	-4.95	4.20	-0.75	24.00	-24.75
			AVG	26	8	12.5/14.7 (MCS11)	-4.94	4.20	-0.74	24.00	-24.74
			AVG	26	17	12.5/14.7 (MCS11)	-4.93	4.20	-0.73	24.00	-24.73
	7085	227	AVG	26	0	12.5/14.7 (MCS11)	-4.95	4.10	-0.85	24.00	-24.85
			AVG	26	8	12.5/14.7 (MCS11)	-4.82	4.10	-0.72	24.00	-24.72
			AVG	26	17	12.5/14.7 (MCS11)	-4.98	4.10	-0.88	24.00	-24.88

Table 7-7. Antenna 5b 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (80MHz Bandwidth)	5985	7	AVG	26	0	12.5/14.7 (MCS11)	-4.77	4.20	-0.57	24.00	-24.57
			AVG	26	18	12.5/14.7 (MCS11)	-4.85	4.20	-0.65	24.00	-24.65
			AVG	26	36	12.5/14.7 (MCS11)	-4.81	4.20	-0.61	24.00	-24.61
	6225	55	AVG	26	0	12.5/14.7 (MCS11)	-4.81	4.10	-0.71	24.00	-24.71
			AVG	26	18	12.5/14.7 (MCS11)	-4.82	4.10	-0.72	24.00	-24.72
			AVG	26	36	12.5/14.7 (MCS11)	-4.93	4.10	-0.83	24.00	-24.83
	6385	87	AVG	26	0	12.5/14.7 (MCS11)	-4.96	4.20	-0.76	24.00	-24.76
			AVG	26	18	12.5/14.7 (MCS11)	-4.80	4.20	-0.60	24.00	-24.60
			AVG	26	36	12.5/14.7 (MCS11)	-4.94	4.20	-0.74	24.00	-24.74
	6465	103	AVG	26	0	12.5/14.7 (MCS11)	-5.15	4.30	-0.85	24.00	-24.85
			AVG	26	18	12.5/14.7 (MCS11)	-5.11	4.30	-0.81	24.00	-24.81
			AVG	26	36	12.5/14.7 (MCS11)	-5.11	4.30	-0.81	24.00	-24.81
	6545	119	AVG	26	0	12.5/14.7 (MCS11)	-5.42	3.40	-2.02	24.00	-26.02
			AVG	26	18	12.5/14.7 (MCS11)	-5.32	3.40	-1.92	24.00	-25.92
			AVG	26	36	12.5/14.7 (MCS11)	-5.25	3.40	-1.85	24.00	-25.85
	6705	151	AVG	26	0	12.5/14.7 (MCS11)	-5.50	4.20	-1.30	24.00	-25.30
			AVG	26	18	12.5/14.7 (MCS11)	-5.50	4.20	-1.30	24.00	-25.30
			AVG	26	36	12.5/14.7 (MCS11)	-5.27	4.20	-1.07	24.00	-25.07
	6865	183	AVG	26	0	12.5/14.7 (MCS11)	-5.29	4.70	-0.59	24.00	-24.59
			AVG	26	18	12.5/14.7 (MCS11)	-5.31	4.70	-0.61	24.00	-24.61
			AVG	26	36	12.5/14.7 (MCS11)	-5.39	4.70	-0.69	24.00	-24.69
	6945	199	AVG	26	0	12.5/14.7 (MCS11)	-4.76	4.20	-0.56	24.00	-24.56
			AVG	26	18	12.5/14.7 (MCS11)	-4.83	4.20	-0.63	24.00	-24.63
			AVG	26	36	12.5/14.7 (MCS11)	-4.89	4.20	-0.69	24.00	-24.69
	7025	215	AVG	26	0	12.5/14.7 (MCS11)	-4.76	4.10	-0.66	24.00	-24.66
			AVG	26	18	12.5/14.7 (MCS11)	-4.83	4.10	-0.73	24.00	-24.73
			AVG	26	36	12.5/14.7 (MCS11)	-5.00	4.10	-0.90	24.00	-24.90

Table 7-8. Antenna 5b 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (160MHz Bandwidth)	6025	15	AVG	26	0	12.5/14.7 (MCS11)	-4.85	3.90	-0.95	24.00	-24.95
			AVG	26	18	12.5/14.7 (MCS11)	-4.95	3.90	-1.05	24.00	-25.05
			AVG	26	36	12.5/14.7 (MCS11)	-4.93	3.90	-1.03	24.00	-25.03
	6185	47	AVG	26	0	12.5/14.7 (MCS11)	-4.95	3.90	-1.05	24.00	-25.05
			AVG	26	18	12.5/14.7 (MCS11)	-4.98	3.90	-1.08	24.00	-25.08
			AVG	26	36	12.5/14.7 (MCS11)	-4.91	3.90	-1.01	24.00	-25.01
	6345	79	AVG	26	0	12.5/14.7 (MCS11)	-4.90	4.20	-0.70	24.00	-24.70
			AVG	26	18	12.5/14.7 (MCS11)	-4.77	4.20	-0.57	24.00	-24.57
			AVG	26	36	12.5/14.7 (MCS11)	-4.84	4.20	-0.64	24.00	-24.64
	6505	111	AVG	26	0	12.5/14.7 (MCS11)	-5.48	3.40	-2.08	24.00	-26.08
			AVG	26	18	12.5/14.7 (MCS11)	-5.48	3.40	-2.08	24.00	-26.08
			AVG	26	36	12.5/14.7 (MCS11)	-5.36	3.40	-1.96	24.00	-25.96
	6665	143	AVG	26	0	12.5/14.7 (MCS11)	-5.26	4.20	-1.06	24.00	-25.06
			AVG	26	18	12.5/14.7 (MCS11)	-5.43	4.20	-1.23	24.00	-25.23
			AVG	26	36	12.5/14.7 (MCS11)	-5.48	4.20	-1.28	24.00	-25.28
	6825	175	AVG	26	0	12.5/14.7 (MCS11)	-5.32	4.70	-0.62	24.00	-24.62
			AVG	26	18	12.5/14.7 (MCS11)	-5.50	4.70	-0.80	24.00	-24.80
			AVG	26	36	12.5/14.7 (MCS11)	-5.49	4.70	-0.79	24.00	-24.79
	6985	207	AVG	26	0	12.5/14.7 (MCS11)	-4.86	4.20	-0.66	24.00	-24.66
			AVG	26	18	12.5/14.7 (MCS11)	-4.98	4.20	-0.78	24.00	-24.78
			AVG	26	36	12.5/14.7 (MCS11)	-4.88	4.20	-0.68	24.00	-24.68

Table 7-9. Antenna 5b 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
	5955	1	AVG	106	53	25/29.4 (MCS11)	1.05	4.20	5.25	24.00	-18.75
			AVG	106	54	25/29.4 (MCS11)	1.23	4.20	5.43	24.00	-18.57
	6175	45	AVG	106	53	25/29.4 (MCS11)	1.02	3.90	4.92	24.00	-19.08
			AVG	106	54	25/29.4 (MCS11)	1.22	3.90	5.12	24.00	-18.88
	6415	93	AVG	106	53	25/29.4 (MCS11)	1.21	4.30	5.51	24.00	-18.49
			AVG	106	54	25/29.4 (MCS11)	1.12	4.30	5.42	24.00	-18.58
	6435	97	AVG	106	53	25/29.4 (MCS11)	0.89	4.30	5.19	24.00	-18.81
			AVG	106	54	25/29.4 (MCS11)	0.82	4.30	5.12	24.00	-18.88
	6475	105	AVG	106	53	25/29.4 (MCS11)	0.96	4.30	5.26	24.00	-18.74
			AVG	106	54	25/29.4 (MCS11)	0.83	4.30	5.13	24.00	-18.87
	6515	113	AVG	106	53	25/29.4 (MCS11)	0.90	3.40	4.30	24.00	-19.70
			AVG	106	54	25/29.4 (MCS11)	0.75	3.40	4.15	24.00	-19.85
	6535	117	AVG	106	53	25/29.4 (MCS11)	0.51	3.40	3.91	24.00	-20.09
			AVG	106	54	25/29.4 (MCS11)	0.53	3.40	3.93	24.00	-20.07
	6695	149	AVG	106	53	25/29.4 (MCS11)	0.72	4.20	4.92	24.00	-19.08
			AVG	106	54	25/29.4 (MCS11)	0.66	4.20	4.86	24.00	-19.14
	6875	185	AVG	106	53	25/29.4 (MCS11)	0.68	4.70	5.38	24.00	-18.62
			AVG	106	54	25/29.4 (MCS11)	0.62	4.70	5.32	24.00	-18.68
	6895	189	AVG	106	53	25/29.4 (MCS11)	1.14	4.70	5.84	24.00	-18.16
			AVG	106	54	25/29.4 (MCS11)	1.01	4.70	5.71	24.00	-18.29
	6995	209	AVG	106	53	25/29.4 (MCS11)	1.07	4.20	5.27	24.00	-18.73
			AVG	106	54	25/29.4 (MCS11)	1.13	4.20	5.33	24.00	-18.67
	7095	229	AVG	106	53	25/29.4 (MCS11)	1.22	4.10	5.32	24.00	-18.68
			AVG	106	54	25/29.4 (MCS11)	1.12	4.10	5.22	24.00	-18.78

Table 7-10. Antenna 5b 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	242	61	121.9/143.4 (MCS11)	3.01	4.20	7.21	24.00	-16.79
			AVG	242	62	121.9/143.4 (MCS11)	3.07	4.20	7.27	24.00	-16.73
	6205	51	AVG	242	61	121.9/143.4 (MCS11)	3.00	4.10	7.10	24.00	-16.90
			AVG	242	62	121.9/143.4 (MCS11)	3.11	4.10	7.21	24.00	-16.79
	6405	91	AVG	242	61	121.9/143.4 (MCS11)	3.23	4.20	7.43	24.00	-16.57
			AVG	242	62	121.9/143.4 (MCS11)	3.20	4.20	7.40	24.00	-16.60
	6445	99	AVG	242	61	121.9/143.4 (MCS11)	2.94	4.30	7.24	24.00	-16.76
			AVG	242	62	121.9/143.4 (MCS11)	2.83	4.30	7.13	24.00	-16.87
	6485	107	AVG	242	61	121.9/143.4 (MCS11)	2.97	4.30	7.27	24.00	-16.73
			AVG	242	62	121.9/143.4 (MCS11)	2.98	4.30	7.28	24.00	-16.72
	6525	115	AVG	242	61	121.9/143.4 (MCS11)	2.73	3.40	6.13	24.00	-17.87
			AVG	242	62	121.9/143.4 (MCS11)	2.61	3.40	6.01	24.00	-17.99
	6565	123	AVG	242	61	121.9/143.4 (MCS11)	2.71	3.40	6.11	24.00	-17.89
			AVG	242	62	121.9/143.4 (MCS11)	2.65	3.40	6.05	24.00	-17.95
	6725	155	AVG	242	61	121.9/143.4 (MCS11)	2.64	4.10	6.74	24.00	-17.26
			AVG	242	62	121.9/143.4 (MCS11)	2.54	4.10	6.64	24.00	-17.36
	6845	179	AVG	242	61	121.9/143.4 (MCS11)	2.73	4.70	7.43	24.00	-16.57
			AVG	242	62	121.9/143.4 (MCS11)	2.50	4.70	7.20	24.00	-16.80
	6885	187	AVG	242	61	121.9/143.4 (MCS11)	2.74	4.70	7.44	24.00	-16.56
			AVG	242	62	121.9/143.4 (MCS11)	2.62	4.70	7.32	24.00	-16.68
	6965	203	AVG	242	61	121.9/143.4 (MCS11)	3.13	4.20	7.33	24.00	-16.67
			AVG	242	62	121.9/143.4 (MCS11)	3.19	4.20	7.39	24.00	-16.61
	7085	227	AVG	242	61	121.9/143.4 (MCS11)	3.01	4.10	7.11	24.00	-16.89
			AVG	242	62	121.9/143.4 (MCS11)	3.19	4.10	7.29	24.00	-16.71

Table 7-11. Antenna 5b 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	484	65	243.8/286.8 (MCS11)	6.04	4.20	10.24	24.00	-13.76
			AVG	484	66	243.8/286.8 (MCS11)	6.01	4.20	10.21	24.00	-13.79
	6225	55	AVG	484	65	243.8/286.8 (MCS11)	6.10	4.10	10.20	24.00	-13.80
			AVG	484	66	243.8/286.8 (MCS11)	6.18	4.10	10.28	24.00	-13.72
	6385	87	AVG	484	65	243.8/286.8 (MCS11)	6.11	4.20	10.31	24.00	-13.69
			AVG	484	66	243.8/286.8 (MCS11)	6.01	4.20	10.21	24.00	-13.79
	6465	103	AVG	484	65	243.8/286.8 (MCS11)	5.79	4.30	10.09	24.00	-13.91
			AVG	484	66	243.8/286.8 (MCS11)	5.96	4.30	10.26	24.00	-13.74
	6545	119	AVG	484	65	243.8/286.8 (MCS11)	5.55	3.40	8.95	24.00	-15.05
			AVG	484	66	243.8/286.8 (MCS11)	5.70	3.40	9.10	24.00	-14.90
	6705	151	AVG	484	65	243.8/286.8 (MCS11)	5.59	4.20	9.79	24.00	-14.21
			AVG	484	66	243.8/286.8 (MCS11)	5.60	4.20	9.80	24.00	-14.20
	6865	183	AVG	484	65	243.8/286.8 (MCS11)	5.68	4.70	10.38	24.00	-13.62
			AVG	484	66	243.8/286.8 (MCS11)	5.72	4.70	10.42	24.00	-13.58
	6945	199	AVG	484	65	243.8/286.8 (MCS11)	6.19	4.20	10.39	24.00	-13.61
			AVG	484	66	243.8/286.8 (MCS11)	6.11	4.20	10.31	24.00	-13.69
	7025	215	AVG	484	65	243.8/286.8 (MCS11)	6.10	4.10	10.20	24.00	-13.80
			AVG	484	66	243.8/286.8 (MCS11)	6.01	4.10	10.11	24.00	-13.89

Table 7-12. Antenna 5b 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996	67	510.4/600.5 (MCS11)	9.25	3.90	13.15	24.00	-10.85
	6025	15	AVG	996	67	510.4/600.5 (MCS11)	9.17	3.90	13.07	24.00	-10.93
	6185	47	AVG	996	67	510.4/600.5 (MCS11)	9.05	3.90	12.95	24.00	-11.05
	6185	47	AVG	996	67	510.4/600.5 (MCS11)	9.16	3.90	13.06	24.00	-10.94
	6345	79	AVG	996	67	510.4/600.5 (MCS11)	9.14	4.20	13.34	24.00	-10.66
	6345	79	AVG	996	67	510.4/600.5 (MCS11)	9.02	4.20	13.22	24.00	-10.78
	6505	111	AVG	996	67	510.4/600.5 (MCS11)	8.74	3.40	12.14	24.00	-11.86
	6505	111	AVG	996	67	510.4/600.5 (MCS11)	8.66	3.40	12.06	24.00	-11.94
	6665	143	AVG	996	67	510.4/600.5 (MCS11)	8.51	4.20	12.71	24.00	-11.29
	6665	143	AVG	996	67	510.4/600.5 (MCS11)	8.68	4.20	12.88	24.00	-11.12
	6825	175	AVG	996	67	510.4/600.5 (MCS11)	8.52	4.70	13.22	24.00	-10.78
	6825	175	AVG	996	67	510.4/600.5 (MCS11)	8.65	4.70	13.35	24.00	-10.65
	6985	207	AVG	996	67	510.4/600.5 (MCS11)	9.00	4.20	13.20	24.00	-10.80
	6985	207	AVG	996	67	510.4/600.5 (MCS11)	9.11	4.20	13.31	24.00	-10.69

Table 7-13. Antenna 5b 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
	5955	1	AVG	242	61	121.9/143.4 (MCS11)	3.25	4.20	7.45	24.00	-16.55
	6175	45	AVG	242	61	121.9/143.4 (MCS11)	3.22	3.90	7.12	24.00	-16.88
	6415	93	AVG	242	61	121.9/143.4 (MCS11)	3.04	4.30	7.34	24.00	-16.66
	6435	97	AVG	242	61	121.9/143.4 (MCS11)	2.93	4.30	7.23	24.00	-16.77
	6475	105	AVG	242	61	121.9/143.4 (MCS11)	2.91	4.30	7.21	24.00	-16.79
	6515	113	AVG	242	61	121.9/143.4 (MCS11)	2.87	3.40	6.27	24.00	-17.73
	6535	117	AVG	242	61	121.9/143.4 (MCS11)	2.63	3.40	6.03	24.00	-17.97
	6695	149	AVG	242	61	121.9/143.4 (MCS11)	2.73	4.20	6.93	24.00	-17.07
	6875	185	AVG	242	61	121.9/143.4 (MCS11)	2.68	4.70	7.38	24.00	-16.62
	6895	189	AVG	242	61	121.9/143.4 (MCS11)	3.14	4.70	7.84	24.00	-16.16
	6995	209	AVG	242	61	121.9/143.4 (MCS11)	3.08	4.20	7.28	24.00	-16.72
	7095	229	AVG	242	61	121.9/143.4 (MCS11)	3.23	4.10	7.33	24.00	-16.67

Table 7-14. Antenna 5b 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	484	65	243.8/286.8 (MCS11)	6.14	4.20	10.34	24.00	-13.66
	6205	51	AVG	484	65	243.8/286.8 (MCS11)	6.12	4.10	10.22	24.00	-13.78
	6405	91	AVG	484	65	243.8/286.8 (MCS11)	6.22	4.20	10.42	24.00	-13.58
	6445	99	AVG	484	65	243.8/286.8 (MCS11)	5.97	4.30	10.27	24.00	-13.73
	6485	107	AVG	484	65	243.8/286.8 (MCS11)	5.88	4.30	10.18	24.00	-13.82
	6525	115	AVG	484	65	243.8/286.8 (MCS11)	5.55	3.40	8.95	24.00	-15.05
	6565	123	AVG	484	65	243.8/286.8 (MCS11)	5.68	3.40	9.08	24.00	-14.92
	6725	155	AVG	484	65	243.8/286.8 (MCS11)	5.74	4.10	9.84	24.00	-14.16
	6845	179	AVG	484	65	243.8/286.8 (MCS11)	5.59	4.70	10.29	24.00	-13.71
	6885	187	AVG	484	65	243.8/286.8 (MCS11)	5.70	4.70	10.40	24.00	-13.60
	6965	203	AVG	484	65	243.8/286.8 (MCS11)	6.14	4.20	10.34	24.00	-13.66
	7085	227	AVG	484	65	243.8/286.8 (MCS11)	6.05	4.10	10.15	24.00	-13.85

Table 7-15. Antenna 5b 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996	67	510.4/600.5 (MCS11)	9.18	4.20	13.38	24.00	-10.62
	6225	55	AVG	996	67	510.4/600.5 (MCS11)	9.10	4.10	13.20	24.00	-10.80
	6385	87	AVG	996	67	510.4/600.5 (MCS11)	9.21	4.20	13.41	24.00	-10.59
	6465	103	AVG	996	67	510.4/600.5 (MCS11)	8.81	4.30	13.11	24.00	-10.89
	6545	119	AVG	996	67	510.4/600.5 (MCS11)	8.54	3.40	11.94	24.00	-12.06
	6705	151	AVG	996	67	510.4/600.5 (MCS11)	8.64	4.20	12.84	24.00	-11.16
	6865	183	AVG	996	67	510.4/600.5 (MCS11)	8.57	4.70	13.27	24.00	-10.73
	6945	199	AVG	996	67	510.4/600.5 (MCS11)	9.21	4.20	13.41	24.00	-10.59
	7025	215	AVG	996	67	510.4/600.5 (MCS11)	9.23	4.10	13.33	24.00	-10.67

Table 7-16. Antenna 5b 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996x2	68	1020.8/1201 (MCS11)	12.63	3.90	16.53	24.00	-7.47
	6185	47	AVG	996x2	68	1020.8/1201 (MCS11)	13.12	3.90	17.02	24.00	-6.98
	6345	79	AVG	996x2	68	1020.8/1201 (MCS11)	13.25	4.20	17.45	24.00	-6.55
	6505	111	AVG	996x2	68	1020.8/1201 (MCS11)	12.64	3.40	16.04	24.00	-7.96
	6665	143	AVG	996x2	68	1020.8/1201 (MCS11)	12.64	4.20	16.84	24.00	-7.16
	6825	175	AVG	996x2	68	1020.8/1201 (MCS11)	12.75	4.70	17.45	24.00	-6.55
	6985	207	AVG	996x2	68	1020.8/1201 (MCS11)	12.72	4.20	16.92	24.00	-7.08

Table 7-17. Antenna 5b 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

7.3.2 Antenna 4a Conducted Output Power Measurements

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (20MHz Bandwidth)	5955	1	AVG	26	0	12.5/14.7 (MCS11)	-4.85	-0.70	-5.55	24.00	-29.55
			AVG	26	4	12.5/14.7 (MCS11)	-4.92	-0.70	-5.62	24.00	-29.62
			AVG	26	8	12.5/14.7 (MCS11)	-4.93	-0.70	-5.63	24.00	-29.63
	6175	45	AVG	26	0	12.5/14.7 (MCS11)	-4.87	-0.60	-5.47	24.00	-29.47
			AVG	26	4	12.5/14.7 (MCS11)	-4.92	-0.60	-5.52	24.00	-29.52
			AVG	26	8	12.5/14.7 (MCS11)	-4.86	-0.60	-5.46	24.00	-29.46
	6415	93	AVG	26	0	12.5/14.7 (MCS11)	-4.96	1.20	-3.76	24.00	-27.76
			AVG	26	4	12.5/14.7 (MCS11)	-4.78	1.20	-3.58	24.00	-27.58
			AVG	26	8	12.5/14.7 (MCS11)	-4.82	1.20	-3.62	24.00	-27.62
	6435	97	AVG	26	0	12.5/14.7 (MCS11)	-5.21	1.20	-4.01	24.00	-28.01
			AVG	26	4	12.5/14.7 (MCS11)	-5.20	1.20	-4.00	24.00	-28.00
			AVG	26	8	12.5/14.7 (MCS11)	-5.15	1.20	-3.95	24.00	-27.95
	6475	105	AVG	26	0	12.5/14.7 (MCS11)	-5.15	1.20	-3.95	24.00	-27.95
			AVG	26	4	12.5/14.7 (MCS11)	-5.12	1.20	-3.92	24.00	-27.92
			AVG	26	8	12.5/14.7 (MCS11)	-5.18	1.20	-3.98	24.00	-27.98
	6515	113	AVG	26	0	12.5/14.7 (MCS11)	-5.17	-0.30	-5.47	24.00	-29.47
			AVG	26	4	12.5/14.7 (MCS11)	-5.01	-0.30	-5.31	24.00	-29.31
			AVG	26	8	12.5/14.7 (MCS11)	-5.08	-0.30	-5.38	24.00	-29.38
	6535	117	AVG	26	0	12.5/14.7 (MCS11)	-5.36	-0.30	-5.66	24.00	-29.66
			AVG	26	4	12.5/14.7 (MCS11)	-5.45	-0.30	-5.75	24.00	-29.75
			AVG	26	8	12.5/14.7 (MCS11)	-5.25	-0.30	-5.55	24.00	-29.55
	6695	149	AVG	26	0	12.5/14.7 (MCS11)	-5.48	-1.60	-7.08	24.00	-31.08
			AVG	26	4	12.5/14.7 (MCS11)	-5.25	-1.60	-6.85	24.00	-30.85
			AVG	26	8	12.5/14.7 (MCS11)	-5.40	-1.60	-7.00	24.00	-31.00
	6875	185	AVG	26	0	12.5/14.7 (MCS11)	-5.25	-2.40	-7.65	24.00	-31.65
			AVG	26	4	12.5/14.7 (MCS11)	-5.34	-2.40	-7.74	24.00	-31.74
			AVG	26	8	12.5/14.7 (MCS11)	-5.43	-2.40	-7.83	24.00	-31.83
	6895	189	AVG	26	0	12.5/14.7 (MCS11)	-4.75	-2.40	-7.15	24.00	-31.15
			AVG	27	4	12.5/14.7 (MCS11)	-4.80	-2.40	-7.20	24.00	-31.20
			AVG	28	8	12.5/14.7 (MCS11)	-4.77	-2.40	-7.17	24.00	-31.17
	6995	209	AVG	29	0	12.5/14.7 (MCS11)	-4.92	-3.30	-8.22	24.00	-32.22
			AVG	30	4	12.5/14.7 (MCS11)	-4.76	-3.30	-8.06	24.00	-32.06
			AVG	31	8	12.5/14.7 (MCS11)	-4.78	-3.30	-8.08	24.00	-32.08
	7095	229	AVG	32	0	12.5/14.7 (MCS11)	-4.91	-4.90	-9.81	24.00	-33.81
			AVG	33	4	12.5/14.7 (MCS11)	-4.75	-4.90	-9.65	24.00	-33.65
			AVG	34	8	12.5/14.7 (MCS11)	-4.81	-4.90	-9.71	24.00	-33.71

Table 7-18. Antenna 4a 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	26	0	12.5/14.7 (MCS11)	-4.91	-0.70	-5.61	24.00	-29.61
			AVG	26	8	12.5/14.7 (MCS11)	-4.82	-0.70	-5.52	24.00	-29.52
			AVG	26	17	12.5/14.7 (MCS11)	-4.88	-0.70	-5.58	24.00	-29.58
	6205	51	AVG	26	0	12.5/14.7 (MCS11)	-4.99	0.60	-4.39	24.00	-28.39
			AVG	26	8	12.5/14.7 (MCS11)	-4.93	0.60	-4.33	24.00	-28.33
			AVG	26	17	12.5/14.7 (MCS11)	-4.82	0.60	-4.22	24.00	-28.22
	6405	91	AVG	26	0	12.5/14.7 (MCS11)	-4.99	1.00	-3.99	24.00	-27.99
			AVG	26	8	12.5/14.7 (MCS11)	-4.93	1.00	-3.93	24.00	-27.93
			AVG	26	17	12.5/14.7 (MCS11)	-4.85	1.00	-3.85	24.00	-27.85
	6445	99	AVG	26	0	12.5/14.7 (MCS11)	-5.10	1.20	-3.90	24.00	-27.90
			AVG	26	8	12.5/14.7 (MCS11)	-5.09	1.20	-3.89	24.00	-27.89
			AVG	26	17	12.5/14.7 (MCS11)	-5.04	1.20	-3.84	24.00	-27.84
	6485	107	AVG	26	0	12.5/14.7 (MCS11)	-5.01	1.20	-3.81	24.00	-27.81
			AVG	26	8	12.5/14.7 (MCS11)	-5.16	1.20	-3.96	24.00	-27.96
			AVG	26	17	12.5/14.7 (MCS11)	-5.19	1.20	-3.99	24.00	-27.99
	6525	115	AVG	26	0	12.5/14.7 (MCS11)	-5.38	-0.30	-5.68	24.00	-29.68
			AVG	26	8	12.5/14.7 (MCS11)	-5.32	-0.30	-5.62	24.00	-29.62
			AVG	26	17	12.5/14.7 (MCS11)	-5.33	-0.30	-5.63	24.00	-29.63
	6565	123	AVG	26	0	12.5/14.7 (MCS11)	-5.37	-0.30	-5.67	24.00	-29.67
			AVG	26	8	12.5/14.7 (MCS11)	-5.49	-0.30	-5.79	24.00	-29.79
			AVG	26	17	12.5/14.7 (MCS11)	-5.45	-0.30	-5.75	24.00	-29.75
	6725	155	AVG	26	0	12.5/14.7 (MCS11)	-5.35	-1.50	-6.85	24.00	-30.85
			AVG	26	8	12.5/14.7 (MCS11)	-5.48	-1.50	-6.98	24.00	-30.98
			AVG	26	17	12.5/14.7 (MCS11)	-5.26	-1.50	-6.76	24.00	-30.76
	6845	179	AVG	26	0	12.5/14.7 (MCS11)	-5.34	-2.40	-7.74	24.00	-31.74
			AVG	26	8	12.5/14.7 (MCS11)	-5.31	-2.40	-7.71	24.00	-31.71
			AVG	26	17	12.5/14.7 (MCS11)	-5.30	-2.40	-7.70	24.00	-31.70
	6885	187	AVG	26	0	12.5/14.7 (MCS11)	-5.32	-2.40	-7.72	24.00	-31.72
			AVG	26	8	12.5/14.7 (MCS11)	-5.49	-2.40	-7.89	24.00	-31.89
			AVG	26	17	12.5/14.7 (MCS11)	-5.41	-2.40	-7.81	24.00	-31.81
	6965	203	AVG	26	0	12.5/14.7 (MCS11)	-4.88	-3.30	-8.18	24.00	-32.18
			AVG	26	8	12.5/14.7 (MCS11)	-4.88	-3.30	-8.18	24.00	-32.18
			AVG	26	17	12.5/14.7 (MCS11)	-4.77	-3.30	-8.07	24.00	-32.07
	7085	227	AVG	26	0	12.5/14.7 (MCS11)	-5.00	-4.90	-9.90	24.00	-33.90
			AVG	26	8	12.5/14.7 (MCS11)	-4.82	-4.90	-9.72	24.00	-33.72
			AVG	26	17	12.5/14.7 (MCS11)	-4.94	-4.90	-9.84	24.00	-33.84

Table 7-19. Antenna 4a 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (80MHz Bandwidth)	5985	7	AVG	26	0	12.5/14.7 (MCS11)	-4.79	-0.70	-5.49	24.00	-29.49
			AVG	26	18	12.5/14.7 (MCS11)	-4.89	-0.70	-5.59	24.00	-29.59
			AVG	26	36	12.5/14.7 (MCS11)	-4.81	-0.70	-5.51	24.00	-29.51
	6225	55	AVG	26	0	12.5/14.7 (MCS11)	-4.75	0.60	-4.15	24.00	-28.15
			AVG	26	18	12.5/14.7 (MCS11)	-4.95	0.60	-4.35	24.00	-28.35
			AVG	26	36	12.5/14.7 (MCS11)	-4.98	0.60	-4.38	24.00	-28.38
	6385	87	AVG	26	0	12.5/14.7 (MCS11)	-4.89	1.00	-3.89	24.00	-27.89
			AVG	26	18	12.5/14.7 (MCS11)	-4.77	1.00	-3.77	24.00	-27.77
			AVG	26	36	12.5/14.7 (MCS11)	-4.97	1.00	-3.97	24.00	-27.97
	6465	103	AVG	26	0	12.5/14.7 (MCS11)	-5.19	1.20	-3.99	24.00	-27.99
			AVG	26	18	12.5/14.7 (MCS11)	-5.04	1.20	-3.84	24.00	-27.84
			AVG	26	36	12.5/14.7 (MCS11)	-5.24	1.20	-4.04	24.00	-28.04
	6545	119	AVG	26	0	12.5/14.7 (MCS11)	-5.46	-0.30	-5.76	24.00	-29.76
			AVG	26	18	12.5/14.7 (MCS11)	-5.31	-0.30	-5.61	24.00	-29.61
			AVG	26	36	12.5/14.7 (MCS11)	-5.47	-0.30	-5.77	24.00	-29.77
	6705	151	AVG	26	0	12.5/14.7 (MCS11)	-5.48	-1.60	-7.08	24.00	-31.08
			AVG	26	18	12.5/14.7 (MCS11)	-5.27	-1.60	-6.87	24.00	-30.87
			AVG	26	36	12.5/14.7 (MCS11)	-5.25	-1.60	-6.85	24.00	-30.85
	6865	183	AVG	26	0	12.5/14.7 (MCS11)	-5.50	-2.40	-7.90	24.00	-31.90
			AVG	26	18	12.5/14.7 (MCS11)	-5.33	-2.40	-7.73	24.00	-31.73
			AVG	26	36	12.5/14.7 (MCS11)	-5.28	-2.40	-7.68	24.00	-31.68
	6945	199	AVG	26	0	12.5/14.7 (MCS11)	-4.98	-3.30	-8.28	24.00	-32.28
			AVG	26	18	12.5/14.7 (MCS11)	-4.83	-3.30	-8.13	24.00	-32.13
			AVG	26	36	12.5/14.7 (MCS11)	-4.96	-3.30	-8.26	24.00	-32.26
	7025	215	AVG	26	0	12.5/14.7 (MCS11)	-4.90	-4.90	-9.80	24.00	-33.80
			AVG	26	18	12.5/14.7 (MCS11)	-4.91	-4.90	-9.81	24.00	-33.81
			AVG	26	36	12.5/14.7 (MCS11)	-4.78	-4.90	-9.68	24.00	-33.68

Table 7-20. Antenna 4a 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
5GHz (160MHz Bandwidth)	6025	15	AVG	26	0	12.5/14.7 (MCS11)	-4.87	-0.90	-5.77	24.00	-29.77
			AVG	26	18	12.5/14.7 (MCS11)	-4.88	-0.90	-5.78	24.00	-29.78
			AVG	26	36	12.5/14.7 (MCS11)	-4.99	-0.90	-5.89	24.00	-29.89
	6185	47	AVG	26	0	12.5/14.7 (MCS11)	-4.99	-0.60	-5.59	24.00	-29.59
			AVG	26	18	12.5/14.7 (MCS11)	-4.81	-0.60	-5.41	24.00	-29.41
			AVG	26	36	12.5/14.7 (MCS11)	-4.78	-0.60	-5.38	24.00	-29.38
	6345	79	AVG	26	0	12.5/14.7 (MCS11)	-4.86	1.00	-3.86	24.00	-27.86
			AVG	26	18	12.5/14.7 (MCS11)	-4.90	1.00	-3.90	24.00	-27.90
			AVG	26	36	12.5/14.7 (MCS11)	-4.95	1.00	-3.95	24.00	-27.95
	6505	111	AVG	26	0	12.5/14.7 (MCS11)	-5.49	-0.30	-5.79	24.00	-29.79
			AVG	26	18	12.5/14.7 (MCS11)	-5.30	-0.30	-5.60	24.00	-29.60
			AVG	26	36	12.5/14.7 (MCS11)	-5.31	-0.30	-5.61	24.00	-29.61
	6665	143	AVG	26	0	12.5/14.7 (MCS11)	-5.49	-1.60	-7.09	24.00	-31.09
			AVG	26	18	12.5/14.7 (MCS11)	-5.26	-1.60	-6.86	24.00	-30.86
			AVG	26	36	12.5/14.7 (MCS11)	-5.32	-1.60	-6.92	24.00	-30.92
	6825	175	AVG	26	0	12.5/14.7 (MCS11)	-5.48	-2.40	-7.88	24.00	-31.88
			AVG	26	18	12.5/14.7 (MCS11)	-5.34	-2.40	-7.74	24.00	-31.74
			AVG	26	36	12.5/14.7 (MCS11)	-5.48	-2.40	-7.88	24.00	-31.88
	6985	207	AVG	26	0	12.5/14.7 (MCS11)	-4.86	-3.30	-8.16	24.00	-32.16
			AVG	26	18	12.5/14.7 (MCS11)	-4.92	-3.30	-8.22	24.00	-32.22
			AVG	26	36	12.5/14.7 (MCS11)	-4.86	-3.30	-8.16	24.00	-32.16

Table 7-21. Antenna 4a 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
	5955	1	AVG	106	53	25/29.4 (MCS11)	1.24	-0.70	0.54	24.00	-23.46
			AVG	106	54	25/29.4 (MCS11)	1.02	-0.70	0.32	24.00	-23.68
	6175	45	AVG	106	53	25/29.4 (MCS11)	1.14	-0.60	0.54	24.00	-23.46
			AVG	106	54	25/29.4 (MCS11)	1.11	-0.60	0.51	24.00	-23.49
	6415	93	AVG	106	53	25/29.4 (MCS11)	1.19	1.20	2.39	24.00	-21.61
			AVG	106	54	25/29.4 (MCS11)	1.00	1.20	2.20	24.00	-21.80
	6435	97	AVG	106	53	25/29.4 (MCS11)	0.85	1.20	2.05	24.00	-21.95
			AVG	106	54	25/29.4 (MCS11)	0.92	1.20	2.12	24.00	-21.88
	6475	105	AVG	106	53	25/29.4 (MCS11)	0.88	1.20	2.08	24.00	-21.92
			AVG	106	54	25/29.4 (MCS11)	0.83	1.20	2.03	24.00	-21.97
	6515	113	AVG	106	53	25/29.4 (MCS11)	0.83	-0.30	0.53	24.00	-23.47
			AVG	106	54	25/29.4 (MCS11)	1.00	-0.30	0.70	24.00	-23.30
	6535	117	AVG	106	53	25/29.4 (MCS11)	0.57	-0.30	0.27	24.00	-23.73
			AVG	106	54	25/29.4 (MCS11)	0.71	-0.30	0.41	24.00	-23.59
	6695	149	AVG	106	53	25/29.4 (MCS11)	0.66	-1.60	-0.94	24.00	-24.94
			AVG	106	54	25/29.4 (MCS11)	0.61	-1.60	-0.99	24.00	-24.99
	6875	185	AVG	106	53	25/29.4 (MCS11)	0.74	-2.40	-1.66	24.00	-25.66
			AVG	106	54	25/29.4 (MCS11)	0.50	-2.40	-1.90	24.00	-25.90
	6895	189	AVG	106	53	25/29.4 (MCS11)	1.21	-2.40	-1.19	24.00	-25.19
			AVG	106	54	25/29.4 (MCS11)	1.16	-2.40	-1.24	24.00	-25.24
	6995	209	AVG	106	53	25/29.4 (MCS11)	1.02	-3.30	-2.28	24.00	-26.28
			AVG	106	54	25/29.4 (MCS11)	1.22	-3.30	-2.08	24.00	-26.08
	7095	229	AVG	106	53	25/29.4 (MCS11)	1.15	-4.90	-3.75	24.00	-27.75
			AVG	106	54	25/29.4 (MCS11)	1.03	-4.90	-3.87	24.00	-27.87

Table 7-22. Antenna 4a 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	242	61	121.9/143.4 (MCS11)	3.08	-0.70	2.38	24.00	-21.62
			AVG	242	62	121.9/143.4 (MCS11)	3.06	-0.70	2.36	24.00	-21.64
	6205	51	AVG	242	61	121.9/143.4 (MCS11)	3.24	0.60	3.84	24.00	-20.16
			AVG	242	62	121.9/143.4 (MCS11)	3.17	0.60	3.77	24.00	-20.23
	6405	91	AVG	242	61	121.9/143.4 (MCS11)	3.12	1.00	4.12	24.00	-19.88
			AVG	242	62	121.9/143.4 (MCS11)	3.12	1.00	4.12	24.00	-19.88
	6445	99	AVG	242	61	121.9/143.4 (MCS11)	3.00	1.20	4.20	24.00	-19.80
			AVG	242	62	121.9/143.4 (MCS11)	2.78	1.20	3.98	24.00	-20.02
	6485	107	AVG	242	61	121.9/143.4 (MCS11)	2.98	1.20	4.18	24.00	-19.82
			AVG	242	62	121.9/143.4 (MCS11)	2.88	1.20	4.08	24.00	-19.92
	6525	115	AVG	242	61	121.9/143.4 (MCS11)	2.65	-0.30	2.35	24.00	-21.65
			AVG	242	62	121.9/143.4 (MCS11)	2.64	-0.30	2.34	24.00	-21.66
	6565	123	AVG	242	61	121.9/143.4 (MCS11)	2.59	-0.30	2.29	24.00	-21.71
			AVG	242	62	121.9/143.4 (MCS11)	2.57	-0.30	2.27	24.00	-21.73
	6725	155	AVG	242	61	121.9/143.4 (MCS11)	2.65	-1.50	1.15	24.00	-22.85
			AVG	242	62	121.9/143.4 (MCS11)	2.65	-1.50	1.15	24.00	-22.85
	6845	179	AVG	242	61	121.9/143.4 (MCS11)	2.72	-2.40	0.32	24.00	-23.68
			AVG	242	62	121.9/143.4 (MCS11)	2.50	-2.40	0.10	24.00	-23.90
	6885	187	AVG	242	61	121.9/143.4 (MCS11)	2.70	-2.40	0.30	24.00	-23.70
			AVG	242	62	121.9/143.4 (MCS11)	2.74	-2.40	0.34	24.00	-23.66
	6965	203	AVG	242	61	121.9/143.4 (MCS11)	3.20	-3.30	-0.10	24.00	-24.10
			AVG	242	62	121.9/143.4 (MCS11)	3.01	-3.30	-0.29	24.00	-24.29
	7085	227	AVG	242	61	121.9/143.4 (MCS11)	3.16	-4.90	-1.74	24.00	-25.74
			AVG	242	62	121.9/143.4 (MCS11)	3.10	-4.90	-1.80	24.00	-25.80

Table 7-23. Antenna 4a 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	484	65	243.8/286.8 (MCS11)	6.07	-0.70	5.37	24.00	-18.63
			AVG	484	66	243.8/286.8 (MCS11)	6.25	-0.70	5.55	24.00	-18.45
	6225	55	AVG	484	65	243.8/286.8 (MCS11)	6.11	0.60	6.71	24.00	-17.29
			AVG	484	66	243.8/286.8 (MCS11)	6.16	0.60	6.76	24.00	-17.24
	6385	87	AVG	484	65	243.8/286.8 (MCS11)	6.06	1.00	7.06	24.00	-16.94
			AVG	484	66	243.8/286.8 (MCS11)	6.24	1.00	7.24	24.00	-16.76
	6465	103	AVG	484	65	243.8/286.8 (MCS11)	5.88	1.20	7.08	24.00	-16.92
			AVG	484	66	243.8/286.8 (MCS11)	5.91	1.20	7.11	24.00	-16.89
	6545	119	AVG	484	65	243.8/286.8 (MCS11)	5.75	-0.30	5.45	24.00	-18.55
			AVG	484	66	243.8/286.8 (MCS11)	5.68	-0.30	5.38	24.00	-18.62
	6705	151	AVG	484	65	243.8/286.8 (MCS11)	5.52	-1.60	3.92	24.00	-20.08
			AVG	484	66	243.8/286.8 (MCS11)	5.73	-1.60	4.13	24.00	-19.87
	6865	183	AVG	484	65	243.8/286.8 (MCS11)	5.50	-2.40	3.10	24.00	-20.90
			AVG	484	66	243.8/286.8 (MCS11)	5.62	-2.40	3.22	24.00	-20.78
	6945	199	AVG	484	65	243.8/286.8 (MCS11)	6.24	-3.30	2.94	24.00	-21.06
			AVG	484	66	243.8/286.8 (MCS11)	6.18	-3.30	2.88	24.00	-21.12
	7025	215	AVG	484	65	243.8/286.8 (MCS11)	6.16	-4.90	1.26	24.00	-22.74
			AVG	484	66	243.8/286.8 (MCS11)	6.14	-4.90	1.24	24.00	-22.76

Table 7-24. Antenna 4a 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996	67	510.4/600.5 (MCS11)	7.86	-0.90	6.96	24.00	-17.04
	6025	15	AVG	996	67	510.4/600.5 (MCS11)	7.77	-0.90	6.87	24.00	-17.13
	6185	47	AVG	996	67	510.4/600.5 (MCS11)	7.51	-0.60	6.91	24.00	-17.09
	6185	47	AVG	996	67	510.4/600.5 (MCS11)	7.71	-0.60	7.11	24.00	-16.89
	6345	79	AVG	996	67	510.4/600.5 (MCS11)	7.40	1.00	8.40	24.00	-15.60
	6345	79	AVG	996	67	510.4/600.5 (MCS11)	7.42	1.00	8.42	24.00	-15.58
	6505	111	AVG	996	67	510.4/600.5 (MCS11)	7.23	-0.30	6.93	24.00	-17.07
	6505	111	AVG	996	67	510.4/600.5 (MCS11)	7.14	-0.30	6.84	24.00	-17.16
	6665	143	AVG	996	67	510.4/600.5 (MCS11)	7.39	-1.60	5.79	24.00	-18.21
	6665	143	AVG	996	67	510.4/600.5 (MCS11)	7.39	-1.60	5.79	24.00	-18.21
	6825	175	AVG	996	67	510.4/600.5 (MCS11)	7.40	-2.40	5.00	24.00	-19.00
	6825	175	AVG	996	67	510.4/600.5 (MCS11)	7.40	-2.40	5.00	24.00	-19.00
	6985	207	AVG	996	67	510.4/600.5 (MCS11)	8.48	-3.30	5.18	24.00	-18.82
	6985	207	AVG	996	67	510.4/600.5 (MCS11)	8.44	-3.30	5.14	24.00	-18.86

Table 7-25. Antenna 4a 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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]
	5955	1	AVG	242	61	121.9/143.4 (MCS11)	3.06	-0.70	2.36	24.00	-21.64
	6175	45	AVG	242	61	121.9/143.4 (MCS11)	3.05	-0.60	2.45	24.00	-21.55
	6415	93	AVG	242	61	121.9/143.4 (MCS11)	3.15	1.20	4.35	24.00	-19.65
	6435	97	AVG	242	61	121.9/143.4 (MCS11)	2.77	1.20	3.97	24.00	-20.03
	6475	105	AVG	242	61	121.9/143.4 (MCS11)	2.90	1.20	4.10	24.00	-19.90
	6515	113	AVG	242	61	121.9/143.4 (MCS11)	3.00	-0.30	2.70	24.00	-21.30
	6535	117	AVG	242	61	121.9/143.4 (MCS11)	2.75	-0.30	2.45	24.00	-21.55
	6695	149	AVG	242	61	121.9/143.4 (MCS11)	2.51	-1.60	0.91	24.00	-23.09
	6875	185	AVG	242	61	121.9/143.4 (MCS11)	2.59	-2.40	0.19	24.00	-23.81
	6895	189	AVG	242	61	121.9/143.4 (MCS11)	3.03	-2.40	0.63	24.00	-23.37
	6995	209	AVG	242	61	121.9/143.4 (MCS11)	3.04	-3.30	-0.26	24.00	-24.26
	7095	229	AVG	242	61	121.9/143.4 (MCS11)	3.05	-4.90	-1.85	24.00	-25.85

Table 7-26. Antenna 4a 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	484	65	243.8/286.8 (MCS11)	6.02	-0.70	5.32	24.00	-18.68
	6205	51	AVG	484	65	243.8/286.8 (MCS11)	6.19	0.60	6.79	24.00	-17.21
	6405	91	AVG	484	65	243.8/286.8 (MCS11)	6.17	1.00	7.17	24.00	-16.83
	6445	99	AVG	484	65	243.8/286.8 (MCS11)	5.96	1.20	7.16	24.00	-16.84
	6485	107	AVG	484	65	243.8/286.8 (MCS11)	5.86	1.20	7.06	24.00	-16.94
	6525	115	AVG	484	65	243.8/286.8 (MCS11)	5.70	-0.30	5.40	24.00	-18.60
	6565	123	AVG	484	65	243.8/286.8 (MCS11)	5.63	-0.30	5.33	24.00	-18.67
	6725	155	AVG	484	65	243.8/286.8 (MCS11)	5.55	-1.50	4.05	24.00	-19.95
	6845	179	AVG	484	65	243.8/286.8 (MCS11)	5.59	-2.40	3.19	24.00	-20.81
	6885	187	AVG	484	65	243.8/286.8 (MCS11)	5.51	-2.40	3.11	24.00	-20.89
	6965	203	AVG	484	65	243.8/286.8 (MCS11)	6.04	-3.30	2.74	24.00	-21.26
	7085	227	AVG	484	65	243.8/286.8 (MCS11)	6.19	-4.90	1.29	24.00	-22.71

Table 7-27. Antenna 4a 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996	67	510.4/600.5 (MCS11)	9.18	-0.70	8.48	24.00	-15.52
	6225	55	AVG	996	67	510.4/600.5 (MCS11)	9.02	0.60	9.62	24.00	-14.38
	6385	87	AVG	996	67	510.4/600.5 (MCS11)	9.22	1.00	10.22	24.00	-13.78
	6465	103	AVG	996	67	510.4/600.5 (MCS11)	8.83	1.20	10.03	24.00	-13.97
	6545	119	AVG	996	67	510.4/600.5 (MCS11)	8.59	-0.30	8.29	24.00	-15.71
	6705	151	AVG	996	67	510.4/600.5 (MCS11)	8.50	-1.60	6.90	24.00	-17.10
	6865	183	AVG	996	67	510.4/600.5 (MCS11)	8.57	-2.40	6.17	24.00	-17.83
	6945	199	AVG	996	67	510.4/600.5 (MCS11)	9.25	-3.30	5.95	24.00	-18.05
	7025	215	AVG	996	67	510.4/600.5 (MCS11)	9.10	-4.90	4.20	24.00	-19.80

Table 7-28. Antenna 4a 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	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	996x2	68	1020.8/1201 (MCS11)	11.45	-0.90	10.55	24.00	-13.45
	6185	47	AVG	996x2	68	1020.8/1201 (MCS11)	11.52	-0.60	10.92	24.00	-13.08
	6345	79	AVG	996x2	68	1020.8/1201 (MCS11)	11.45	1.00	12.45	24.00	-11.55
	6505	111	AVG	996x2	68	1020.8/1201 (MCS11)	11.05	-0.30	10.75	24.00	-13.25
	6665	143	AVG	996x2	68	1020.8/1201 (MCS11)	11.36	-1.60	9.76	24.00	-14.24
	6825	175	AVG	996x2	68	1020.8/1201 (MCS11)	11.43	-2.40	9.03	24.00	-14.97
	6985	207	AVG	996x2	68	1020.8/1201 (MCS11)	12.00	-3.30	8.70	24.00	-15.30

Table 7-29. Antenna 4a 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

7.3.3 SDM Conducted Output Power Measurements

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (20MHz Bandwidth)	5955	1	SDM	AVG	26	0	25/29.4 (MCS11)	-6.12	-6.18	-3.14	2.41	-0.73	24.00	-24.73
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.12	-6.21	-3.15	2.41	-0.74	24.00	-24.74
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.03	-6.04	-3.02	2.41	-0.61	24.00	-24.61
	6175	45	SDM	AVG	26	0	25/29.4 (MCS11)	-6.39	-6.49	-3.43	2.21	-1.22	24.00	-25.22
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.34	-6.26	-3.29	2.21	-1.08	24.00	-25.08
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.40	-6.45	-3.41	2.21	-1.20	24.00	-25.20
	6415	93	SDM	AVG	26	0	25/29.4 (MCS11)	-6.59	-6.62	-3.59	3.02	-0.57	24.00	-24.57
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.73	-6.57	-3.64	3.02	-0.62	24.00	-24.62
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.54	-6.57	-3.54	3.02	-0.52	24.00	-24.52
	6435	97	SDM	AVG	26	0	25/29.4 (MCS11)	-6.91	-6.80	-3.84	3.02	-0.82	24.00	-24.82
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.96	-6.88	-3.91	3.02	-0.89	24.00	-24.89
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.87	-6.83	-3.84	3.02	-0.82	24.00	-24.82
	6475	105	SDM	AVG	26	0	25/29.4 (MCS11)	-6.88	-6.79	-3.82	3.02	-0.80	24.00	-24.80
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.84	-6.80	-3.81	3.02	-0.79	24.00	-24.79
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.85	-6.81	-3.82	3.02	-0.80	24.00	-24.80
	6515	113	SDM	AVG	26	0	25/29.4 (MCS11)	-6.93	-6.95	-3.93	1.93	-2.00	24.00	-26.00
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.91	-6.89	-3.89	1.93	-1.96	24.00	-25.96
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.93	-6.88	-3.89	1.93	-1.96	24.00	-25.96
	6535	117	SDM	AVG	26	0	25/29.4 (MCS11)	-6.64	-6.54	-3.58	1.93	-1.65	24.00	-25.65
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.57	-6.67	-3.61	1.93	-1.68	24.00	-25.68
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.64	-6.63	-3.62	1.93	-1.69	24.00	-25.69
	6695	149	SDM	AVG	26	0	25/29.4 (MCS11)	-6.63	-6.71	-3.66	2.20	-1.46	24.00	-25.46
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.52	-6.61	-3.55	2.20	-1.35	24.00	-25.35
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.72	-6.72	-3.71	2.20	-1.51	24.00	-25.51
	6875	185	SDM	AVG	26	0	25/29.4 (MCS11)	-6.72	-6.52	-3.61	2.46	-1.15	24.00	-25.15
			SDM	AVG	26	4	25/29.4 (MCS11)	-6.61	-6.69	-3.64	2.46	-1.18	24.00	-25.18
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.58	-6.60	-3.58	2.46	-1.12	24.00	-25.12
	6895	189	SDM	AVG	26	0	25/29.4 (MCS11)	-5.74	-5.60	-2.66	2.46	-0.20	24.00	-24.20
			SDM	AVG	27	4	25/29.4 (MCS11)	-5.55	-5.68	-2.60	2.46	-0.14	24.00	-24.14
			SDM	AVG	28	8	25/29.4 (MCS11)	-5.60	-5.66	-2.62	2.46	-0.16	24.00	-24.16
	6995	209	SDM	AVG	29	0	25/29.4 (MCS11)	-5.58	-5.53	-2.54	1.90	-0.64	24.00	-24.64
			SDM	AVG	30	4	25/29.4 (MCS11)	-5.52	-5.75	-2.62	1.90	-0.72	24.00	-24.72
			SDM	AVG	31	8	25/29.4 (MCS11)	-5.72	-5.51	-2.60	1.90	-0.70	24.00	-24.70
	7095	229	SDM	AVG	32	0	25/29.4 (MCS11)	-5.71	-5.62	-2.65	1.60	-1.05	24.00	-25.05
			SDM	AVG	33	4	25/29.4 (MCS11)	-5.63	-5.51	-2.56	1.60	-0.96	24.00	-24.96
			SDM	AVG	34	8	25/29.4 (MCS11)	-5.73	-5.72	-2.71	1.60	-1.11	24.00	-25.11

Table 7-30. SDM 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (40MHz Bandwidth)	5965	3	SDM	AVG	26	0	25/29.4 (MCS11)	-6.04	-6.23	-3.12	2.41	-0.71	24.00	-24.71
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.09	-6.15	-3.11	2.41	-0.70	24.00	-24.70
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.06	-6.21	-3.12	2.41	-0.71	24.00	-24.71
	6205	51	SDM	AVG	26	0	25/29.4 (MCS11)	-6.26	-6.36	-3.30	2.69	-0.61	24.00	-24.61
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.49	-6.43	-3.45	2.69	-0.76	24.00	-24.76
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.42	-6.28	-3.34	2.69	-0.65	24.00	-24.65
	6405	91	SDM	AVG	26	0	25/29.4 (MCS11)	-6.72	-6.64	-3.67	2.89	-0.78	24.00	-24.78
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.59	-6.58	-3.57	2.89	-0.68	24.00	-24.68
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.64	-6.68	-3.65	2.89	-0.76	24.00	-24.76
	6445	99	SDM	AVG	26	0	25/29.4 (MCS11)	-6.86	-6.84	-3.84	3.02	-0.82	24.00	-24.82
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.86	-6.97	-3.90	3.02	-0.88	24.00	-24.88
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.94	-6.78	-3.85	3.02	-0.83	24.00	-24.83
	6485	107	SDM	AVG	26	0	25/29.4 (MCS11)	-6.83	-7.00	-3.90	3.02	-0.88	24.00	-24.88
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.95	-6.75	-3.84	3.02	-0.82	24.00	-24.82
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.83	-6.80	-3.80	3.02	-0.78	24.00	-24.78
	6525	115	SDM	AVG	26	0	25/29.4 (MCS11)	-6.81	-6.99	-3.89	1.93	-1.96	24.00	-25.96
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.97	-6.90	-3.92	1.93	-1.99	24.00	-25.99
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.79	-7.00	-3.88	1.93	-1.95	24.00	-25.95
	6565	123	SDM	AVG	26	0	25/29.4 (MCS11)	-6.68	-6.50	-3.58	1.93	-1.65	24.00	-25.65
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.58	-6.55	-3.55	1.93	-1.62	24.00	-25.62
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.64	-6.58	-3.60	1.93	-1.67	24.00	-25.67
	6725	155	SDM	AVG	26	0	25/29.4 (MCS11)	-6.58	-6.53	-3.54	2.15	-1.39	24.00	-25.39
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.56	-6.54	-3.54	2.15	-1.39	24.00	-25.39
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.59	-6.54	-3.55	2.15	-1.40	24.00	-25.40
	6845	179	SDM	AVG	26	0	25/29.4 (MCS11)	-6.75	-6.72	-3.72	2.46	-1.26	24.00	-25.26
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.53	-6.73	-3.62	2.46	-1.16	24.00	-25.16
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.56	-6.75	-3.64	2.46	-1.18	24.00	-25.18
	6885	187	SDM	AVG	26	0	25/29.4 (MCS11)	-6.70	-6.75	-3.71	2.46	-1.25	24.00	-25.25
			SDM	AVG	26	8	25/29.4 (MCS11)	-6.56	-6.61	-3.57	2.46	-1.11	24.00	-25.11
			SDM	AVG	26	17	25/29.4 (MCS11)	-6.68	-6.70	-3.68	2.46	-1.22	24.00	-25.22
	6965	203	SDM	AVG	26	0	25/29.4 (MCS11)	-5.65	-5.60	-2.61	1.90	-0.71	24.00	-24.71
			SDM	AVG	26	8	25/29.4 (MCS11)	-5.54	-5.72	-2.62	1.90	-0.72	24.00	-24.72
			SDM	AVG	26	17	25/29.4 (MCS11)	-5.71	-5.58	-2.63	1.90	-0.73	24.00	-24.73
	7085	227	SDM	AVG	26	0	25/29.4 (MCS11)	-5.67	-5.58	-2.61	1.60	-1.01	24.00	-25.01
			SDM	AVG	26	8	25/29.4 (MCS11)	-5.73	-5.53	-2.62	1.60	-1.02	24.00	-25.02
			SDM	AVG	26	17	25/29.4 (MCS11)	-5.61	-5.73	-2.66	1.60	-1.06	24.00	-25.06

Table 7-31. SDM 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (80MHz Bandwidth)	5985	7	SDM	AVG	26	0	25/29.4 (MCS11)	-6.24	-6.09	-3.15	2.41	-0.74	24.00	-24.74
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.14	-6.04	-3.08	2.41	-0.67	24.00	-24.67
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.01	-6.23	-3.11	2.41	-0.70	24.00	-24.70
	6225	55	SDM	AVG	26	0	25/29.4 (MCS11)	-6.33	-6.33	-3.32	2.69	-0.63	24.00	-24.63
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.50	-6.39	-3.43	2.69	-0.74	24.00	-24.74
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.31	-6.50	-3.39	2.69	-0.70	24.00	-24.70
	6385	87	SDM	AVG	26	0	25/29.4 (MCS11)	-6.52	-6.64	-3.57	2.89	-0.68	24.00	-24.68
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.67	-6.54	-3.59	2.89	-0.70	24.00	-24.70
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.51	-6.73	-3.61	2.89	-0.72	24.00	-24.72
	6465	103	SDM	AVG	26	0	25/29.4 (MCS11)	-6.75	-6.94	-3.83	3.02	-0.81	24.00	-24.81
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.79	-6.86	-3.81	3.02	-0.79	24.00	-24.79
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.87	-6.83	-3.84	3.02	-0.82	24.00	-24.82
	6545	119	SDM	AVG	26	0	25/29.4 (MCS11)	-6.77	-7.00	-3.87	1.93	-1.94	24.00	-25.94
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.88	-6.86	-3.86	1.93	-1.93	24.00	-25.93
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.77	-6.89	-3.82	1.93	-1.89	24.00	-25.89
	6705	151	SDM	AVG	26	0	25/29.4 (MCS11)	-6.74	-6.73	-3.72	2.20	-1.52	24.00	-25.52
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.60	-6.73	-3.65	2.20	-1.45	24.00	-25.45
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.67	-6.67	-3.66	2.20	-1.46	24.00	-25.46
	6865	183	SDM	AVG	26	0	25/29.4 (MCS11)	-6.61	-6.56	-3.57	2.46	-1.11	24.00	-25.11
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.67	-6.63	-3.64	2.46	-1.18	24.00	-25.18
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.74	-6.67	-3.69	2.46	-1.23	24.00	-25.23
	6945	199	SDM	AVG	26	0	25/29.4 (MCS11)	-5.65	-5.58	-2.60	1.90	-0.70	24.00	-24.70
			SDM	AVG	26	18	25/29.4 (MCS11)	-5.71	-5.64	-2.66	1.90	-0.76	24.00	-24.76
			SDM	AVG	26	36	25/29.4 (MCS11)	-5.62	-5.57	-2.58	1.90	-0.68	24.00	-24.68
	7025	215	SDM	AVG	26	0	25/29.4 (MCS11)	-5.67	-5.62	-2.63	1.60	-1.03	24.00	-25.03
			SDM	AVG	26	18	25/29.4 (MCS11)	-5.56	-5.71	-2.62	1.60	-1.02	24.00	-25.02
			SDM	AVG	26	36	25/29.4 (MCS11)	-5.60	-5.64	-2.61	1.60	-1.01	24.00	-25.01

Table 7-32. SDM 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (160MHz Bandwidth)	6025	15	SDM	AVG	26	0	25/29.4 (MCS11)	-6.16	-6.07	-3.10	2.13	-0.97	24.00	-24.97
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.18	-6.24	-3.20	2.13	-1.07	24.00	-25.07
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.00	-6.20	-3.09	2.13	-0.96	24.00	-24.96
	6185	47	SDM	AVG	26	0	25/29.4 (MCS11)	-6.33	-6.50	-3.40	2.21	-1.19	24.00	-25.19
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.48	-6.36	-3.41	2.21	-1.20	24.00	-25.20
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.25	-6.39	-3.31	2.21	-1.10	24.00	-25.10
	6345	79	SDM	AVG	26	0	25/29.4 (MCS11)	-6.68	-6.72	-3.69	2.89	-0.80	24.00	-24.80
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.68	-6.75	-3.70	2.89	-0.81	24.00	-24.81
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.55	-6.61	-3.57	2.89	-0.68	24.00	-24.68
	6505	111	SDM	AVG	26	0	25/29.4 (MCS11)	-6.88	-6.75	-3.80	1.93	-1.87	24.00	-25.87
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.92	-6.83	-3.86	1.93	-1.93	24.00	-25.93
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.89	-6.99	-3.93	1.93	-2.00	24.00	-26.00
	6665	143	SDM	AVG	26	0	25/29.4 (MCS11)	-6.69	-6.50	-3.58	2.20	-1.38	24.00	-25.38
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.71	-6.60	-3.64	2.20	-1.44	24.00	-25.44
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.55	-6.66	-3.59	2.20	-1.39	24.00	-25.39
	6825	175	SDM	AVG	26	0	25/29.4 (MCS11)	-6.66	-6.57	-3.60	2.46	-1.14	24.00	-25.14
			SDM	AVG	26	18	25/29.4 (MCS11)	-6.72	-6.53	-3.61	2.46	-1.15	24.00	-25.15
			SDM	AVG	26	36	25/29.4 (MCS11)	-6.70	-6.61	-3.64	2.46	-1.18	24.00	-25.18
	6985	207	SDM	AVG	26	0	25/29.4 (MCS11)	-5.75	-5.71	-2.72	1.90	-0.82	24.00	-24.82
			SDM	AVG	26	18	25/29.4 (MCS11)	-5.70	-5.69	-2.68	1.90	-0.78	24.00	-24.78
			SDM	AVG	26	36	25/29.4 (MCS11)	-5.71	-5.67	-2.68	1.90	-0.78	24.00	-24.78

Table 7-33. SDM 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (RU26)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (20MHz Bandwidth)	5955	1	SDM	AVG	106	53	106.3/125 (MCS11)	-0.20	-0.12	2.85	2.41	5.26	24.00	-18.74
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.06	-0.17	2.90	2.41	5.31	24.00	-18.69
	6175	45	SDM	AVG	106	53	106.3/125 (MCS11)	-0.42	-0.48	2.56	2.21	4.77	24.00	-19.23
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.46	-0.33	2.62	2.21	4.83	24.00	-19.17
	6415	93	SDM	AVG	106	53	106.3/125 (MCS11)	-0.56	-0.50	2.48	3.02	5.50	24.00	-18.50
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.51	-0.50	2.51	3.02	5.53	24.00	-18.47
	6435	97	SDM	AVG	106	53	106.3/125 (MCS11)	-0.84	-0.77	2.21	3.02	5.23	24.00	-18.77
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.96	-0.90	2.08	3.02	5.10	24.00	-18.90
	6475	105	SDM	AVG	106	53	106.3/125 (MCS11)	-0.76	-0.97	2.15	3.02	5.17	24.00	-18.83
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.96	-0.97	2.05	3.02	5.07	24.00	-18.93
	6515	113	SDM	AVG	106	53	106.3/125 (MCS11)	-0.77	-1.00	2.13	1.93	4.06	24.00	-19.94
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.92	-0.89	2.11	1.93	4.04	24.00	-19.96
	6535	117	SDM	AVG	106	53	106.3/125 (MCS11)	-0.55	-0.52	2.48	1.93	4.41	24.00	-19.59
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.63	-0.59	2.40	1.93	4.33	24.00	-19.67
	6695	149	SDM	AVG	106	53	106.3/125 (MCS11)	-0.68	-0.52	2.41	2.20	4.61	24.00	-19.39
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.69	-0.66	2.34	2.20	4.54	24.00	-19.46
	6875	185	SDM	AVG	106	53	106.3/125 (MCS11)	-0.60	-0.53	2.45	2.46	4.91	24.00	-19.09
			SDM	AVG	106	54	106.3/125 (MCS11)	-0.69	-0.60	2.37	2.46	4.83	24.00	-19.17
	6895	189	SDM	AVG	106	53	106.3/125 (MCS11)	0.37	0.49	3.44	2.46	5.90	24.00	-18.10
			SDM	AVG	106	54	106.3/125 (MCS11)	0.30	0.42	3.37	2.46	5.83	24.00	-18.17
	6995	209	SDM	AVG	106	53	106.3/125 (MCS11)	0.27	0.38	3.34	1.90	5.24	24.00	-18.76
			SDM	AVG	106	54	106.3/125 (MCS11)	0.38	0.43	3.42	1.90	5.32	24.00	-18.68
	7095	229	SDM	AVG	106	53	106.3/125 (MCS11)	0.29	0.33	3.32	1.60	4.92	24.00	-19.08
			SDM	AVG	106	54	106.3/125 (MCS11)	0.41	0.37	3.40	1.60	5.00	24.00	-19.00

Table 7-34. SDM 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (40MHz Bandwidth)	5965	3	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.99	1.76	4.89	2.41	7.30	24.00	-16.70
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.81	1.99	4.91	2.41	7.32	24.00	-16.68
	6205	51	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.75	1.97	4.87	2.69	7.56	24.00	-16.44
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.82	2.00	4.92	2.69	7.61	24.00	-16.39
	6405	91	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.39	1.42	4.42	2.89	7.31	24.00	-16.69
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.25	1.50	4.39	2.89	7.28	24.00	-16.72
	6445	99	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.29	1.33	4.32	3.02	7.34	24.00	-16.66
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.29	1.36	4.34	3.02	7.36	24.00	-16.64
	6485	107	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.14	1.06	4.11	3.02	7.13	24.00	-16.87
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.06	1.04	4.06	3.02	7.08	24.00	-16.92
	6525	115	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.24	1.16	4.21	1.93	6.14	24.00	-17.86
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.20	1.17	4.20	1.93	6.13	24.00	-17.87
	6565	123	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.19	1.07	4.14	1.93	6.07	24.00	-17.93
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.15	1.13	4.15	1.93	6.08	24.00	-17.92
	6725	155	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.13	1.03	4.09	2.15	6.24	24.00	-17.76
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.08	1.06	4.08	2.15	6.23	24.00	-17.77
	6845	179	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.31	1.33	4.33	2.46	6.79	24.00	-17.21
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.48	1.27	4.39	2.46	6.85	24.00	-17.15
	6885	187	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.27	1.35	4.32	2.46	6.78	24.00	-17.22
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.30	1.45	4.39	2.46	6.85	24.00	-17.15
	6965	203	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.36	1.50	4.44	1.90	6.34	24.00	-17.66
			SDM	AVG	242	62	243.8/286.8 (MCS11)	1.45	1.30	4.39	1.90	6.29	24.00	-17.71
	7085	227	SDM	AVG	242	61	243.8/286.8 (MCS11)	2.35	2.31	5.34	1.60	6.94	24.00	-17.06
			SDM	AVG	242	62	243.8/286.8 (MCS11)	2.26	2.48	5.38	1.60	6.98	24.00	-17.02

Table 7-35. SDM 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (80MHz Bandwidth)	5985	7	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.95	4.80	7.89	2.41	10.30	24.00	-13.70
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.90	4.82	7.87	2.41	10.28	24.00	-13.72
	6225	55	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.73	4.54	7.65	2.69	10.34	24.00	-13.66
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.65	4.58	7.63	2.69	10.32	24.00	-13.68
	6385	87	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.48	4.36	7.43	2.89	10.32	24.00	-13.68
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.33	4.32	7.34	2.89	10.23	24.00	-13.77
	6465	103	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.00	4.15	7.09	3.02	10.11	24.00	-13.89
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.00	4.10	7.06	3.02	10.08	24.00	-13.92
	6545	119	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.10	4.11	7.12	1.93	9.05	24.00	-14.95
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.13	4.02	7.09	1.93	9.02	24.00	-14.98
	6705	151	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.36	4.48	7.43	2.20	9.63	24.00	-14.37
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.30	4.36	7.34	2.20	9.54	24.00	-14.46
	6865	183	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.50	4.30	7.41	2.46	9.87	24.00	-14.13
			SDM	AVG	484	66	487.5/573.5 (MCS11)	4.29	4.38	7.35	2.46	9.81	24.00	-14.19
	6945	199	SDM	AVG	484	65	487.5/573.5 (MCS11)	5.41	5.43	8.43	1.90	10.33	24.00	-13.67
			SDM	AVG	484	66	487.5/573.5 (MCS11)	5.34	5.32	8.34	1.90	10.24	24.00	-13.76
	7025	215	SDM	AVG	484	65	487.5/573.5 (MCS11)	5.34	5.40	8.38	1.60	9.98	24.00	-14.02
			SDM	AVG	484	66	487.5/573.5 (MCS11)	5.27	5.35	8.32	1.60	9.92	24.00	-14.08

Table 7-36. SDM 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
5GHz (160MHz Bandwidth)	6025	15	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.85	7.81	10.84	2.13	12.97	24.00	-11.03
	6025	15	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.79	7.91	10.86	2.13	12.99	24.00	-11.01
	6185	47	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.56	7.65	10.62	2.21	12.83	24.00	-11.17
	6185	47	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.64	7.61	10.64	2.21	12.85	24.00	-11.15
	6345	79	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.29	7.49	10.40	2.89	13.29	24.00	-10.71
	6345	79	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.41	7.46	10.45	2.89	13.34	25.00	-11.66
	6505	111	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.22	7.22	10.23	1.93	12.16	26.00	-13.84
	6505	111	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.10	7.24	10.18	1.93	12.11	27.00	-14.89
	6665	143	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.32	7.28	10.31	2.20	12.51	28.00	-15.49
	6665	143	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.29	7.46	10.39	2.20	12.59	29.00	-16.41
	6825	175	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	7.45	7.25	10.36	2.46	12.82	30.00	-17.18
	6825	175	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	7.25	7.45	10.36	2.46	12.82	31.00	-18.18
	6985	207	SDM	AVG	996	67 (L)	1020.8/1201 (MCS11)	8.49	8.39	11.45	1.90	13.35	24.00	-10.65
	6985	207	SDM	AVG	996	67 (H)	1020.8/1201 (MCS11)	8.37	8.36	11.38	1.90	13.28	24.00	-10.72

Table 7-37. SDM 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
	5955	1	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.98	1.87	4.94	2.41	7.35	24.00	-16.65
	6175	45	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.53	1.74	4.65	2.21	6.86	24.00	-17.14
	6415	93	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.37	1.50	4.45	3.02	7.47	24.00	-16.53
	6435	97	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.02	1.24	4.14	3.02	7.16	24.00	-16.84
	6475	105	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.23	1.14	4.20	3.02	7.22	24.00	-16.78
	6515	113	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.11	1.24	4.19	1.93	6.12	24.00	-17.88
	6535	117	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.41	1.29	4.36	1.93	6.29	24.00	-17.71
	6695	149	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.29	1.50	4.41	2.20	6.61	24.00	-17.39
	6875	185	SDM	AVG	242	61	243.8/286.8 (MCS11)	1.42	1.50	4.47	2.46	6.93	24.00	-17.07
	6895	189	SDM	AVG	242	61	243.8/286.8 (MCS11)	2.46	2.39	5.44	2.46	7.90	24.00	-16.10
	6995	209	SDM	AVG	242	61	243.8/286.8 (MCS11)	2.48	2.47	5.49	1.90	7.39	24.00	-16.61
	7095	229	SDM	AVG	242	61	243.8/286.8 (MCS11)	2.48	2.46	5.48	1.60	7.08	24.00	-16.92

Table 7-38. SDM 20MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
	5965	3	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.89	4.87	7.89	2.41	10.30	24.00	-13.70
	6205	51	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.69	4.58	7.65	2.69	10.34	24.00	-13.66
	6405	91	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.42	4.48	7.46	2.89	10.35	24.00	-13.65
	6445	99	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.23	4.13	7.19	3.02	10.21	24.00	-13.79
	6485	107	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.15	4.16	7.17	3.02	10.19	24.00	-13.81
	6525	115	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.13	4.00	7.08	1.93	9.01	24.00	-14.99
	6565	123	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.38	4.45	7.43	1.93	9.36	24.00	-14.64
	6725	155	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.41	4.48	7.46	2.15	9.61	24.00	-14.39
	6845	179	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.48	4.32	7.41	2.46	9.87	24.00	-14.13
	6885	187	SDM	AVG	484	65	487.5/573.5 (MCS11)	4.38	4.29	7.35	2.46	9.81	24.00	-14.19
	6965	203	SDM	AVG	484	65	487.5/573.5 (MCS11)	5.27	5.43	8.36	1.90	10.26	24.00	-13.74
	7085	227	SDM	AVG	484	65	487.5/573.5 (MCS11)	5.50	5.34	8.43	1.60	10.03	24.00	-13.97

Table 7-39. SDM 40MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
	5985	7	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.82	7.75	10.80	2.41	13.21	24.00	-10.79
	6225	55	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.56	7.53	10.56	2.69	13.25	24.00	-10.75
	6385	87	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.49	7.29	10.40	2.89	13.29	24.00	-10.71
	6465	103	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.22	7.22	10.23	3.02	13.25	24.00	-10.75
	6545	119	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.09	7.21	10.16	1.93	12.09	24.00	-11.91
	6705	151	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.46	7.36	10.42	2.20	12.62	24.00	-11.38
	6865	183	SDM	AVG	996	67	1020.8/1201 (MCS11)	7.46	7.40	10.44	2.46	12.90	24.00	-11.10
	6945	199	SDM	AVG	996	67	1020.8/1201 (MCS11)	8.40	8.27	11.35	1.90	13.25	24.00	-10.75
	7025	215	SDM	AVG	996	67	1020.8/1201 (MCS11)	8.45	8.35	11.41	1.60	13.01	24.00	-10.99

Table 7-40. SDM 80MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (160MHz Bandwidth)	Frequency [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna 5b	Antenna 4a	Summed				
	6025	15	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.39	11.29	14.35	2.13	16.48	24.00	-7.52
	6185	47	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.64	11.57	14.62	2.21	16.83	24.00	-7.17
	6345	79	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.49	11.35	14.43	2.89	17.32	24.00	-6.68
	6505	111	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.13	11.07	14.11	1.93	16.04	24.00	-7.96
	6665	143	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.46	11.26	14.37	2.20	16.57	24.00	-7.43
	6825	175	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.50	11.46	14.49	2.46	16.95	24.00	-7.05
	6985	207	SDM	AVG	996x2	68	2041.6/2402 (MCS11)	11.90	11.84	14.88	1.90	16.78	24.00	-7.22

Table 7-41. SDM 160MHz BW 802.11ax Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna 5b and Antenna 4a 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.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \ldots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

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.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \ldots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample SDM Calculation:

At 5955MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be -6.12 dBm for Antenna 5b and -6.18 dBm for Antenna 4a.

Antenna 5b + Antenna 4a = SDM

(-6.12 dBm + -6.18 dBm) = (0.244 mW + 0.241 mW) = 0.485 mW = -3.14 dBm

Sample e.i.r.p. Calculation:

At 5955MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be -3.14 dBm with directional gain of 3.01 dBi.

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

-3.14 dBm + 2.41 dBi = -0.73 dBm

7.4 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a)(8), RSS-248 [4.6.3]

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.

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. All RU's were investigated and only worst case partially loaded and fully loaded RU's were reported.

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

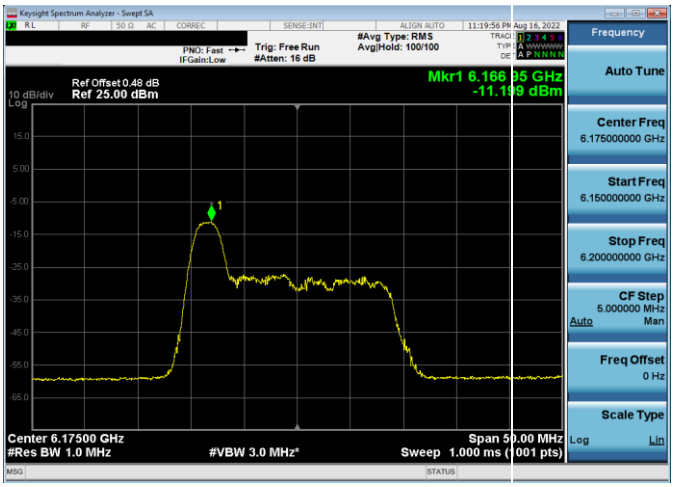
7.4.1 Antenna 5b Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.16	4.20	-4.96	-1	-3.96
	5955	1	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.00	4.20	-6.80	-1	-5.80
	5955	1	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.77	4.20	-4.57	-1	-3.57
	6175	45	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-11.20	3.90	-7.30	-1	-6.30
	6175	45	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.47	3.90	-7.57	-1	-6.57
	6175	45	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-11.09	3.90	-7.19	-1	-6.19
	6415	93	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.16	4.30	-5.86	-1	-4.86
	6415	93	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.78	4.30	-6.48	-1	-5.48
	6415	93	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.70	4.30	-6.40	-1	-5.40
	5965	3	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.88	4.20	-5.68	-1	-4.68
	5965	3	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.10	4.20	-4.90	-1	-3.90
	5965	3	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.55	4.20	-5.35	-1	-4.35
	6165	43	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.35	3.90	-5.45	-1	-4.45
	6165	43	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.86	3.90	-4.96	-1	-3.96
	6165	43	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.56	3.90	-5.66	-1	-4.66
	6405	91	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-8.12	4.20	-3.92	-1	-2.92
	6405	91	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.55	4.20	-3.35	-1	-2.35
	6405	91	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.10	4.20	-3.90	-1	-2.90
	5985	7	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-9.58	4.20	-5.38	-1	-4.38
	5985	7	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.86	4.20	-5.66	-1	-4.66
	5985	7	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.70	4.20	-5.50	-1	-4.50
	6145	39	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.25	3.90	-6.35	-1	-5.35
	6145	39	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-10.84	3.90	-6.94	-1	-5.94
	6145	39	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-10.66	3.90	-6.76	-1	-5.76
	6385	87	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-8.70	4.20	-4.50	-1	-3.50
	6385	87	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-8.98	4.20	-4.78	-1	-3.78
	6385	87	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-8.48	4.20	-4.28	-1	-3.28
	6025	15	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-9.74	3.90	-5.84	-1	-4.84
	6025	15	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-9.05	3.90	-5.15	-1	-4.15
	6025	15	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.70	3.90	-6.80	-1	-5.80
	6185	47	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-11.15	3.90	-7.25	-1	-6.25
	6185	47	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-9.87	3.90	-5.97	-1	-4.97
	6185	47	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.92	3.90	-7.02	-1	-6.02
	6345	79	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-10.41	4.20	-6.21	-1	-5.21
	6345	79	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-9.01	4.20	-4.81	-1	-3.81
	6345	79	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-9.98	4.20	-5.78	-1	-4.78
Band 6	6435	97	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.86	4.30	-6.56	-1	-5.56
	6435	97	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.67	4.30	-7.37	-1	-6.37
	6435	97	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.90	4.30	-6.60	-1	-5.60
	6475	105	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-11.04	4.30	-6.74	-1	-5.74
	6475	105	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.64	4.30	-7.34	-1	-6.34
	6475	105	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-11.43	4.30	-7.13	-1	-6.13
	6515	113	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.51	3.40	-7.11	-1	-6.11
	6515	113	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.25	3.40	-7.85	-1	-6.85
	6515	113	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.56	3.40	-7.16	-1	-6.16
	6445	99	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.96	4.30	-5.66	-1	-4.66
	6445	99	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.14	4.30	-4.84	-1	-3.84
	6445	99	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.71	4.30	-6.41	-1	-5.41
	6485	107	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.71	4.30	-6.41	-1	-5.41
	6485	107	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.11	4.30	-5.81	-1	-4.81
	6485	107	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-11.02	4.30	-6.72	-1	-5.72
	6525	115	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-11.11	3.40	-7.71	-1	-6.71
	6525	115	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.12	3.40	-6.72	-1	-5.72
	6525	115	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-11.35	3.40	-7.95	-1	-6.95
	6465	103	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.87	4.30	-6.57	-1	-5.57
	6465	103	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.71	4.30	-7.41	-1	-6.41
	6465	103	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-11.84	4.30	-7.54	-1	-6.54
	6505	111	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-10.29	3.40	-6.89	-1	-5.89
	6505	111	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-10.00	3.40	-6.60	-1	-5.60
	6505	111	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-11.13	3.40	-7.73	-1	-6.73
Band 7	6535	117	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.57	3.40	-7.17	-1	-6.17
	6535	117	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-11.18	3.40	-7.78	-1	-6.78
	6535	117	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.83	3.40	-7.43	-1	-6.43
	6695	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.46	4.20	-5.26	-1	-4.26
	6695	149	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.55	4.20	-5.35	-1	-4.35
	6695	149	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-9.00	4.20	-4.80	-1	-3.80
	6875	185	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-6.95	4.70	-2.25	-1	-1.25
	6875	185	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-7.92	4.70	-3.22	-1	-2.22
	6875	185	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-7.38	4.70	-2.68	-1	-1.68
	6565	123	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.78	3.40	-7.38	-1	-6.38
	6565	123	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.06	3.40	-6.66	-1	-5.66
	6565	123	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.32	3.40	-6.92	-1	-5.92
	6725	155	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-8.21	4.10	-4.11	-1	-3.11
	6725	155	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.59	4.10	-3.49	-1	-2.49
	6725	155	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.42	4.10	-4.32	-1	-3.32
	6845	179	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-8.70	4.70	-4.00	-1	-3.00
	6845	179	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.11	4.70	-3.41	-1	-2.41
	6845	179	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.37	4.70	-4.67	-1	-3.67
	6545	119	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.82	3.40	-7.42	-1	-6.42
	6545	119	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.69	3.40	-8.29	-1	-7.29
	6545	119	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-11.02	3.40	-7.62	-1	-6.62
	6705	151	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.43	4.20	-6.23	-1	-5.23
	6705	151	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.90	4.20	-5.70	-1	-4.70
	6705	151	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.89	4.20	-5.69	-1	-4.69
	6865	183	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-9.54	4.70	-4.84	-1	-3.84
	6865	183	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.83	4.70	-5.13	-1	-4.13
	6865	183	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.88	4.70	-5.18	-1	-4.18
	6665	143	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-11.64	4.20	-7.44	-1	-6.44
	6665	143	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-9.45	4.20	-5.25	-1	-4.25
	6665	143	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.95	4.20	-6.75	-1	-5.75
	6825	175	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-8.38	4.70	-3.68	-1	-2.68
	6825	175	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.68	4.70	-3.98	-1	-2.98
	6825	175	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-12.64	4.70	-7.94	-1	-6.94
Band 8	6895	189	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.80	4.70	-5.10	-1	-4.10
	6895	189	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.65	4.70	-4.95	-1	-3.95
	6895	189	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.86	4.70	-4.16	-1	-3.16
	6995	209	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.04	4.20	-5.84	-1	-4.84
	6995	209	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.91	4.20	-5.71	-1	-4.71
	6995	209	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-9.89	4.20	-5.69	-1	-4.69
	7095	229	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.85	4.10	-5.75	-1	-4.75
	7095	229	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.67	4.10	-5.57	-1	-4.57
	7095	229	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-9.35	4.10	-5.25	-1	-4.25
	6885	187	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.77	4.70	-5.07	-1	-4.07
	6885	187	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.12	4.70	-4.42	-1	-3.42
	6885	187	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.34	4.70	-4.64	-1	-3.64
	7005	211	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.28	4.20	-6.08	-1	-5.08
	7005	211	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.81	4.20	-4.61	-1	-3.61
	7005	211	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.75	4.20	-4.55	-1	-3.55
	7085	227	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.51	4.10	-6.41	-1	-5.41
	7085	227	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.70	4.10	-4.60	-1	-3.60
	7085	227	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.39	4.10	-5.29	-1	-4.29
	6945	199	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.29	4.20	-6.09	-1	-5.09
	6945	199	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.58	4.20	-7.38	-1	-6.38
	6945	199	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-11.98	4.20	-7.78	-1	-6.78
	7025	215	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-11.26	4.10	-7.16	-1	-6.16
	7025	215	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.92	4.10	-7.82	-1	-6.82
	7025	215	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-12.64	4.10	-8.54	-1	-7.54
	6985	207	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-10.73	4.20	-6.53	-1	-5.53
	6985	207	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-9.21	4.20	-5.01	-1	-4.01
	6985	207	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-8.71	4.20	-4.51	-1	-3.51

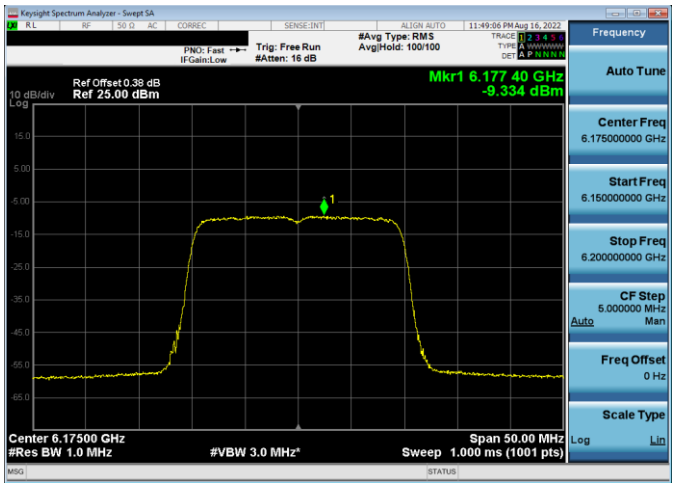
Table 7-42. Conducted Bandwidth Measurements Antenna 5b (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.25	4.20	-5.05	-1	-4.05
	6175	45	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.33	3.90	-5.43	-1	-4.43
	6415	93	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.95	4.30	-4.65	-1	-3.65
	5965	3	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.38	4.20	-3.18	-1	-2.18
	6165	43	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.02	3.90	-4.12	-1	-3.12
	6405	91	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.72	4.20	-3.52	-1	-2.52
	5985	7	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.50	4.20	-3.30	-1	-2.30
	6145	39	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.88	3.90	-3.98	-1	-2.98
	6385	87	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.56	4.20	-3.36	-1	-2.36
	6025	15	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-6.99	3.90	-3.09	-1	-2.09
	6185	47	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-6.71	3.90	-2.81	-1	-1.81
	6345	79	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-6.63	4.20	-2.43	-1	-1.43
Band 6	6435	97	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.32	4.30	-5.02	-1	-4.02
	6475	105	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.18	4.30	-4.88	-1	-3.88
	6515	113	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.06	3.40	-5.66	-1	-4.66
	6445	99	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.77	4.30	-4.47	-1	-3.47
	6485	107	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.72	4.30	-4.42	-1	-3.42
	6525	115	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.61	3.40	-5.21	-1	-4.21
	6465	103	ax (80Mhz)	996	67	1020.8/1201 (MCS11)	-7.87	4.30	-3.57	-1	-2.57
	6505	111	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-6.89	3.40	-3.49	-1	-2.49
Band 7	6535	117	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-10.98	3.40	-7.58	-1	-6.58
	6695	149	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-11.72	4.20	-7.52	-1	-6.52
	6875	185	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-11.35	4.70	-6.65	-1	-5.65
	6565	123	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.67	3.40	-4.27	-1	-3.27
	6725	155	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.78	4.10	-2.68	-1	-1.68
	6845	179	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.03	4.70	-2.33	-1	-1.33
	6545	119	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.16	3.40	-4.76	-1	-3.76
	6705	151	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.48	4.20	-3.28	-1	-2.28
	6865	183	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.32	4.70	-3.62	-1	-2.62
	6665	143	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-7.23	4.20	-3.03	-1	-2.03
	6825	175	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-7.36	4.70	-2.66	-1	-1.66
Band 8	6895	189	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.15	4.70	-4.45	-1	-3.45
	6995	209	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.36	4.20	-4.16	-1	-3.16
	7095	229	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.36	4.10	-4.26	-1	-3.26
	6885	187	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.59	4.70	-3.89	-1	-2.89
	7005	211	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.14	4.20	-3.94	-1	-2.94
	7085	227	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.54	4.10	-4.44	-1	-3.44
	6945	199	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.80	4.20	-3.60	-1	-2.60
	7025	215	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.02	4.10	-3.92	-1	-2.92
	6985	207	ax (160MHz)	996x2	68	2041.6/2402 (MCS11)	-7.53	4.20	-3.33	-1	-2.33

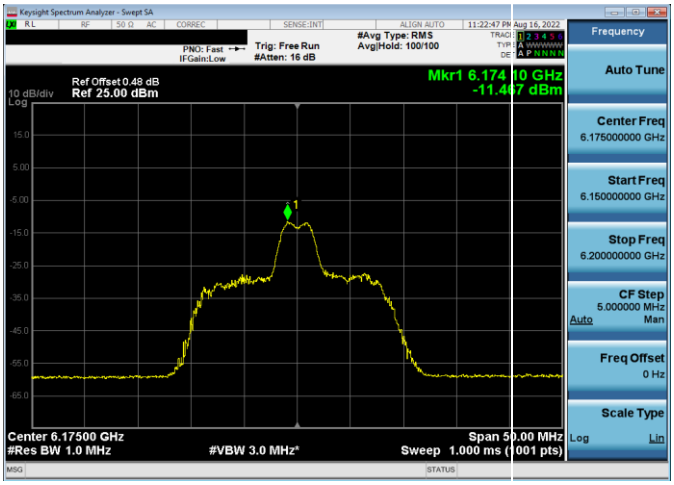
Table 7-43. Conducted Bandwidth Measurements Antenna 5b (Fully-loaded RU)



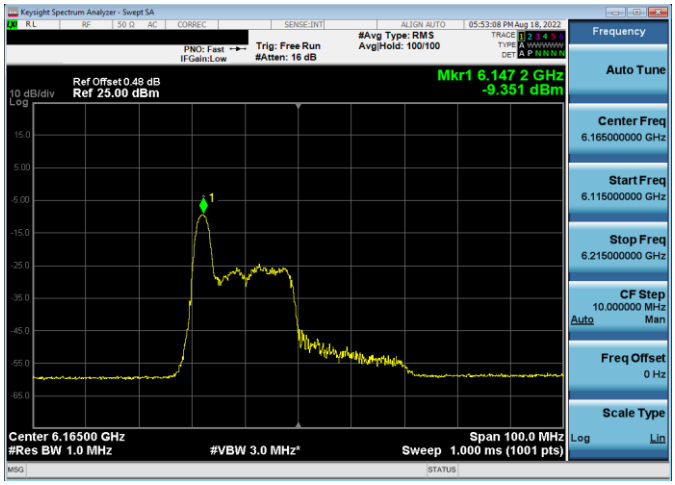
Plot 7-129. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



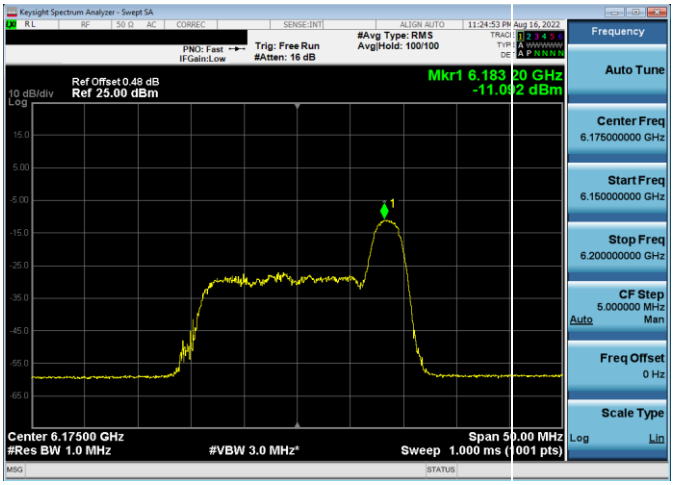
Plot 7-132. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 45)



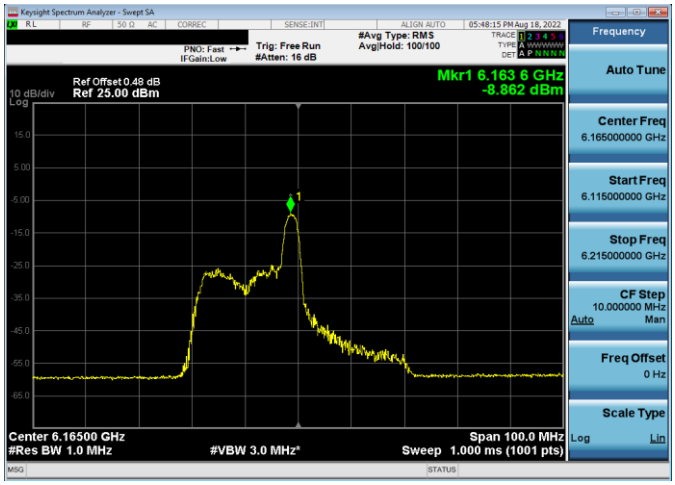
Plot 7-130. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



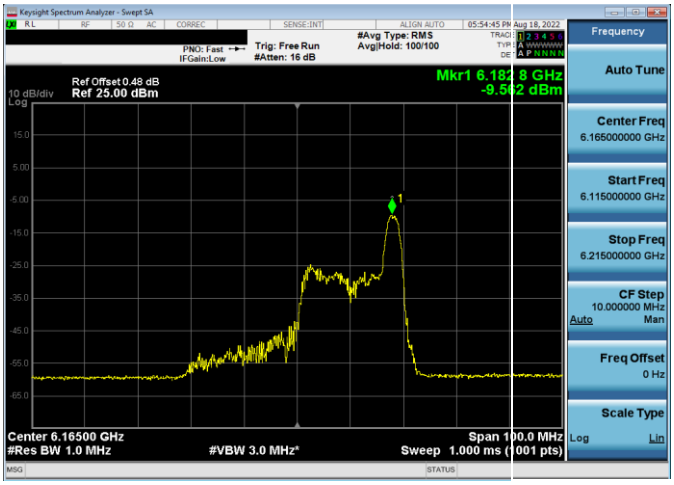
Plot 7-133. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



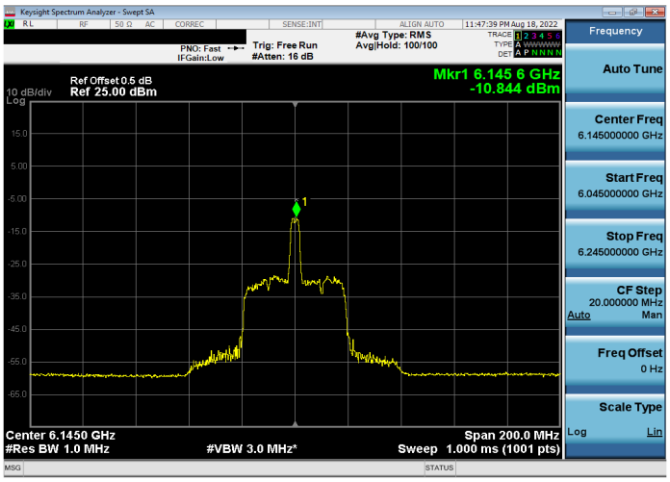
Plot 7-131. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



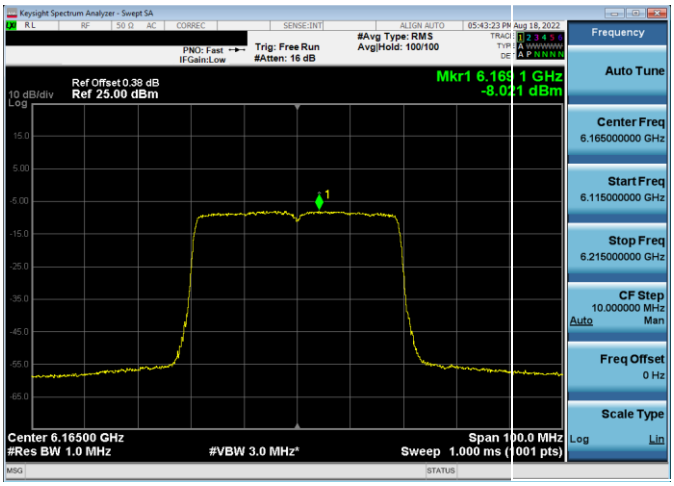
Plot 7-134. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



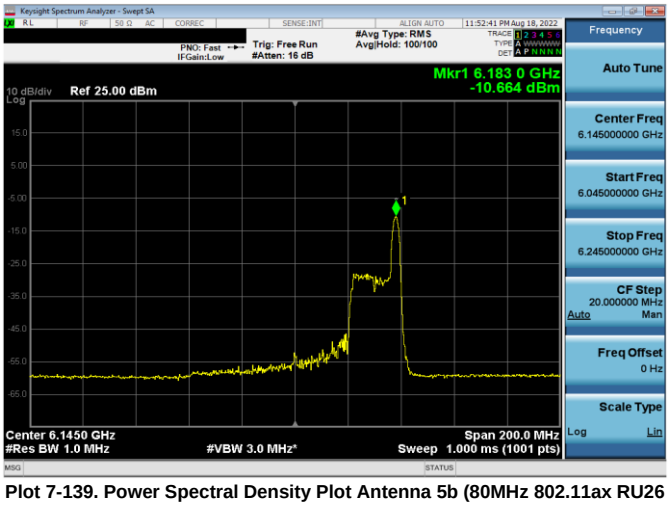
Plot 7-135. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



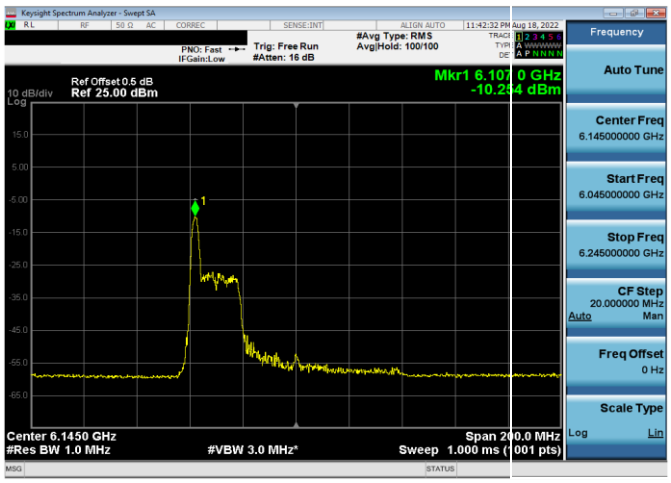
Plot 7-138. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



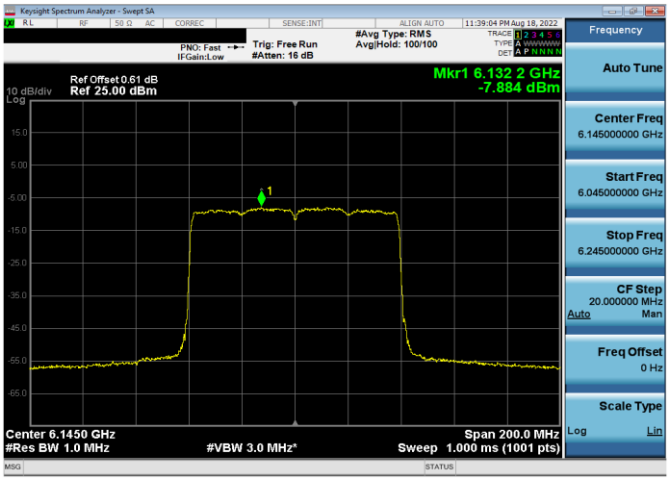
Plot 7-136. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 43)



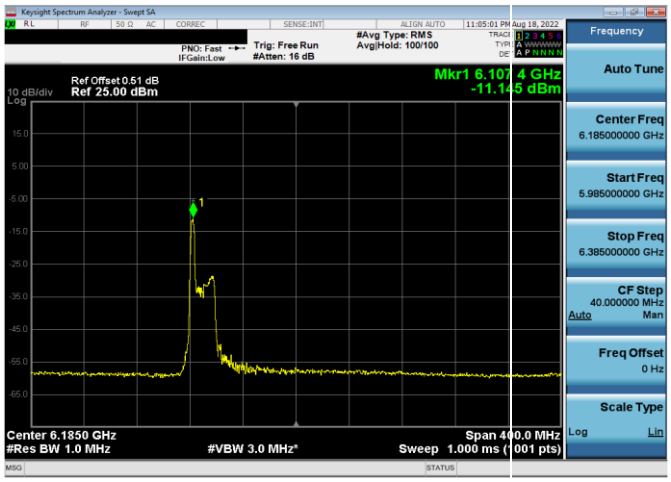
Plot 7-139. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



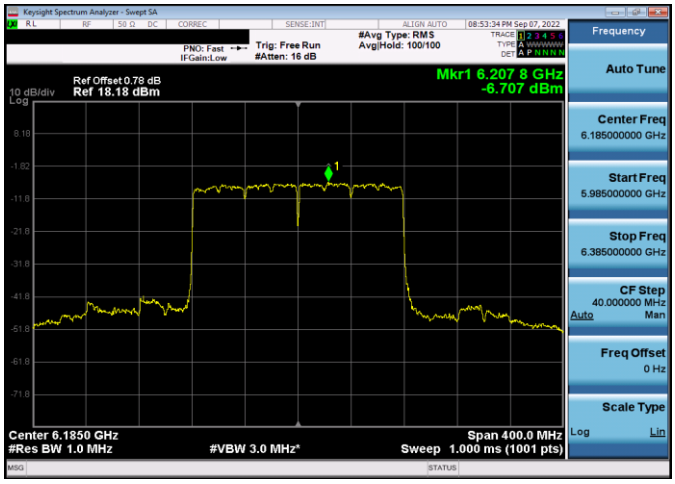
Plot 7-137. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



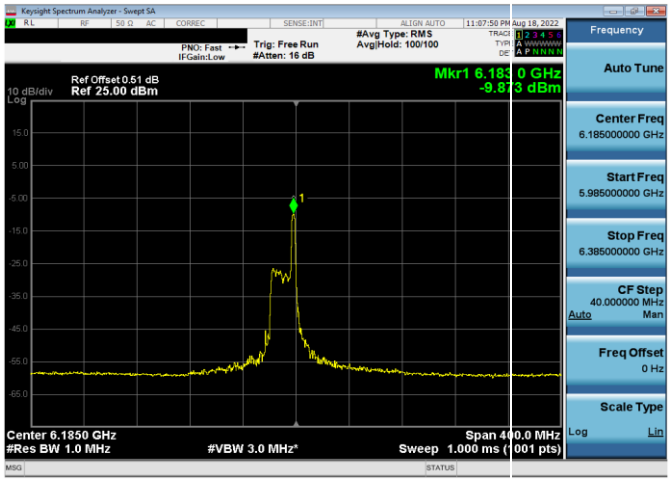
Plot 7-140. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 39)



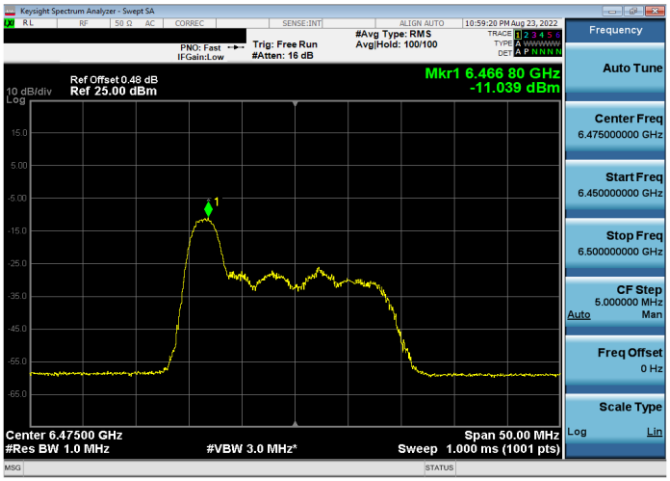
Plot 7-141. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



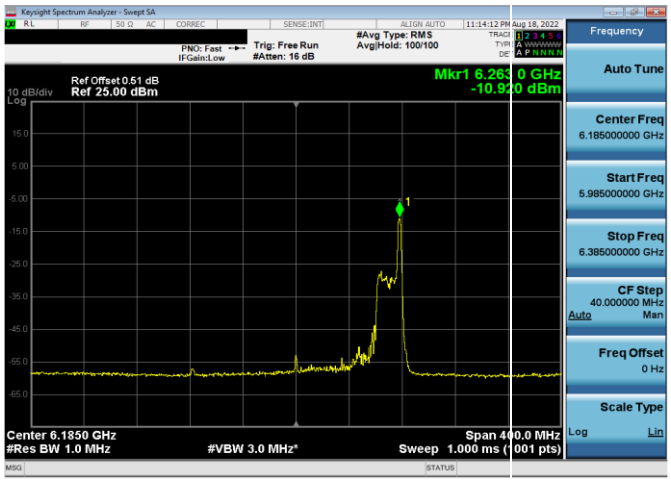
Plot 7-144. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU484 (UNII Band 5) – Ch. 47)



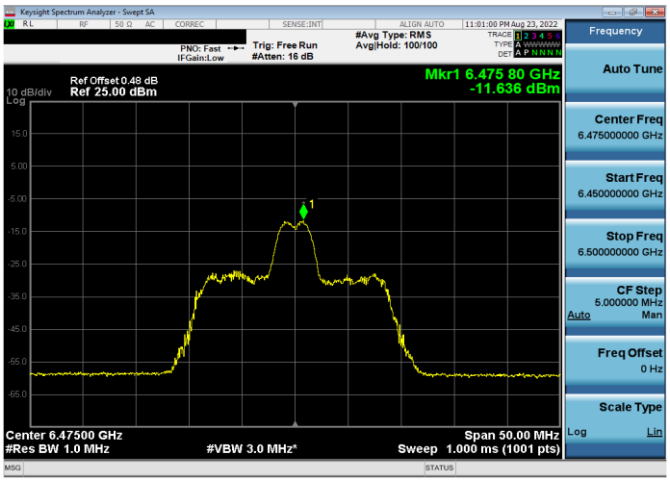
Plot 7-142. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



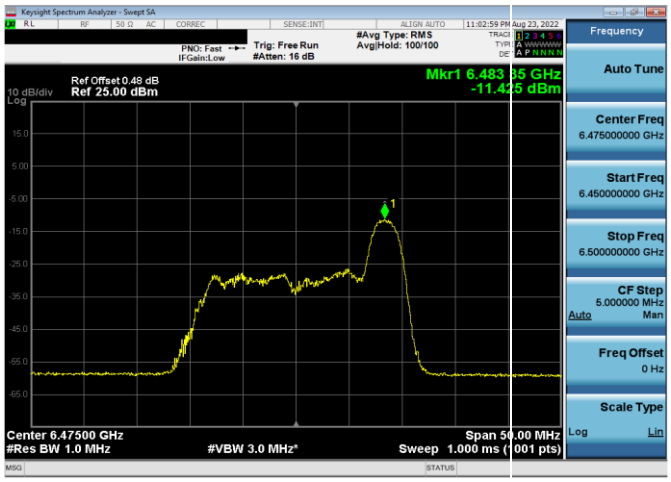
Plot 7-145. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



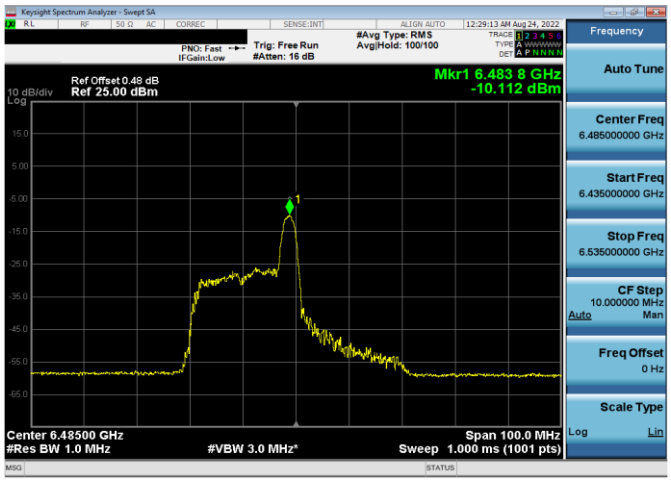
Plot 7-143. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



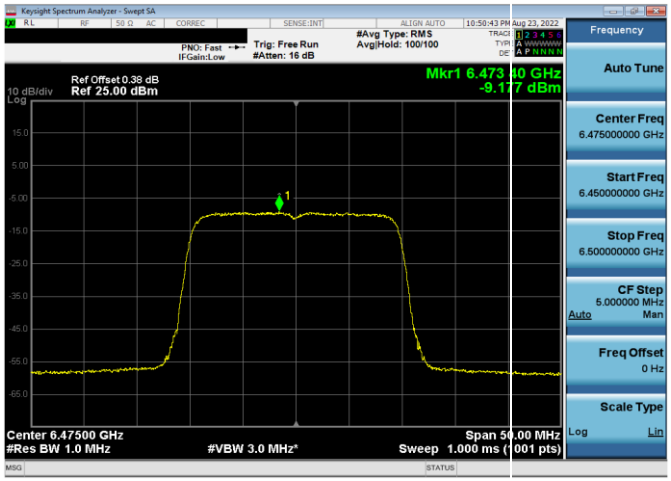
Plot 7-146. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



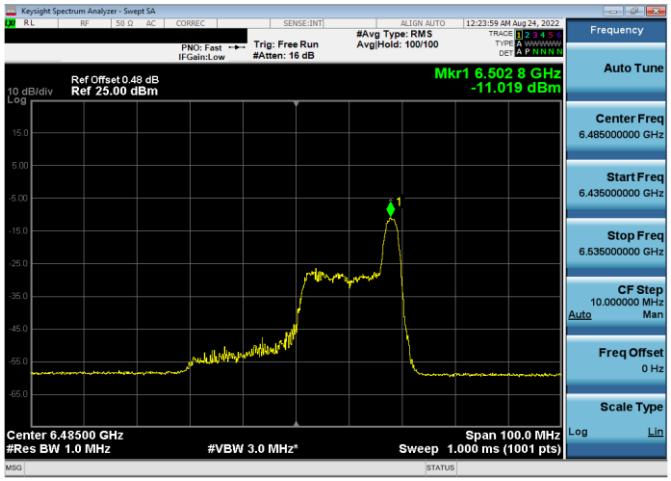
Plot 7-147. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



Plot 7-150. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

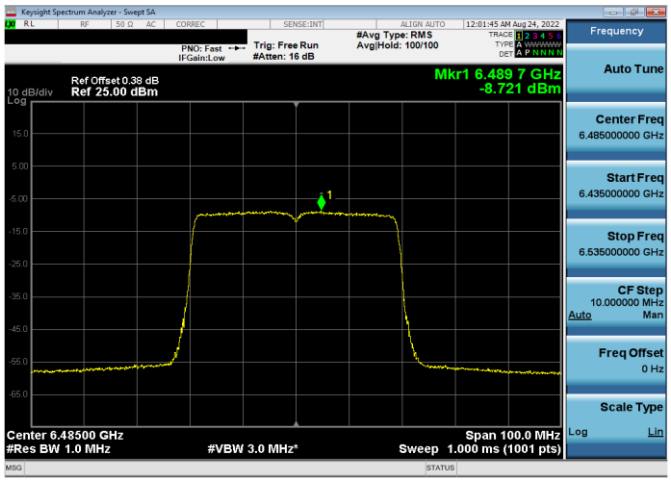


Plot 7-148. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 105)

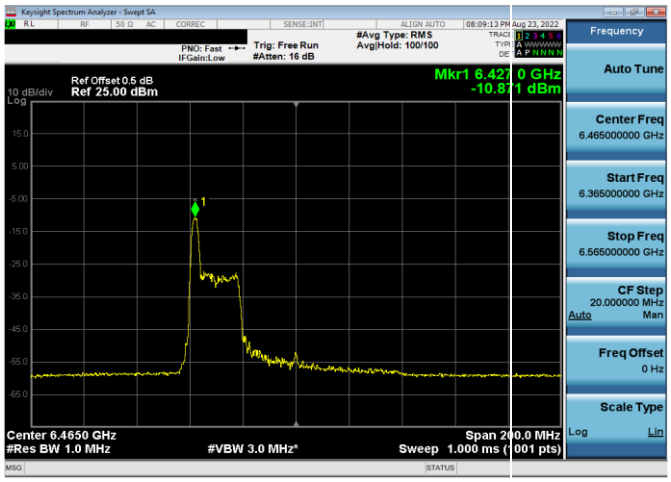


Plot 7-151. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

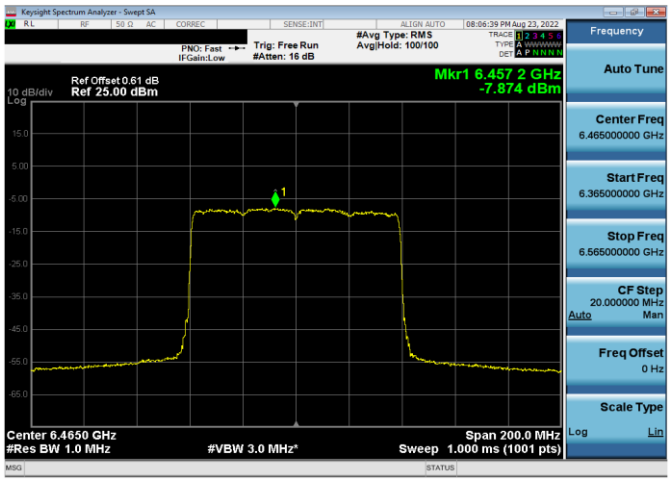
Plot 7-149. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



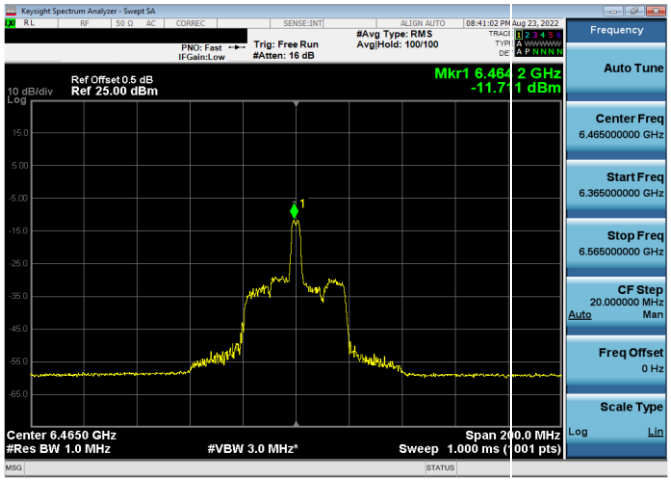
Plot 7-152. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 6) – Ch. 107)



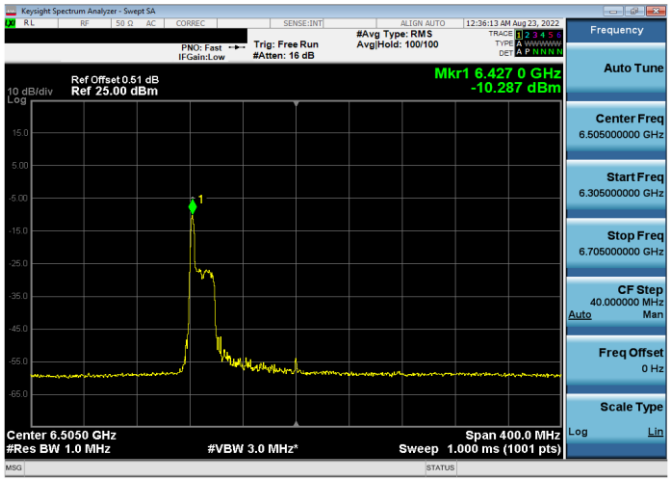
Plot 7-153. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



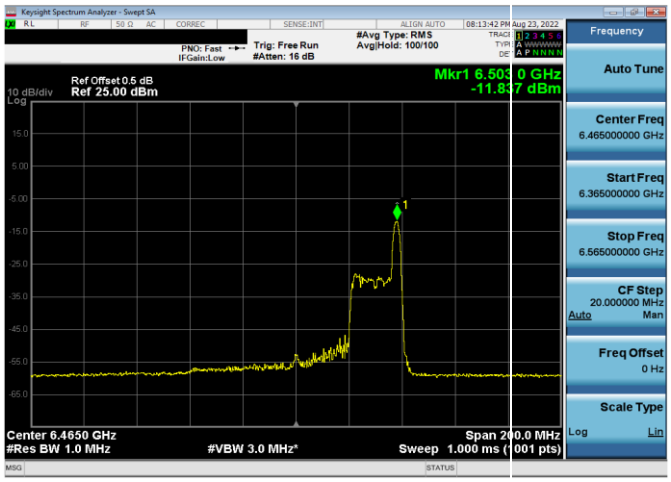
Plot 7-156. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 6) – Ch. 103)



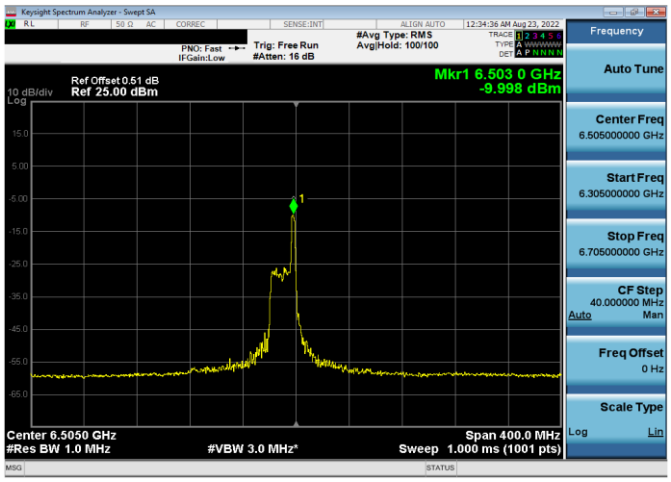
Plot 7-154. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



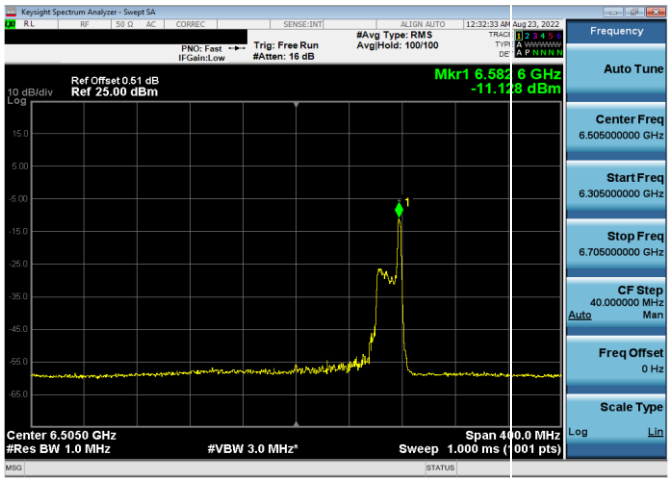
Plot 7-157. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



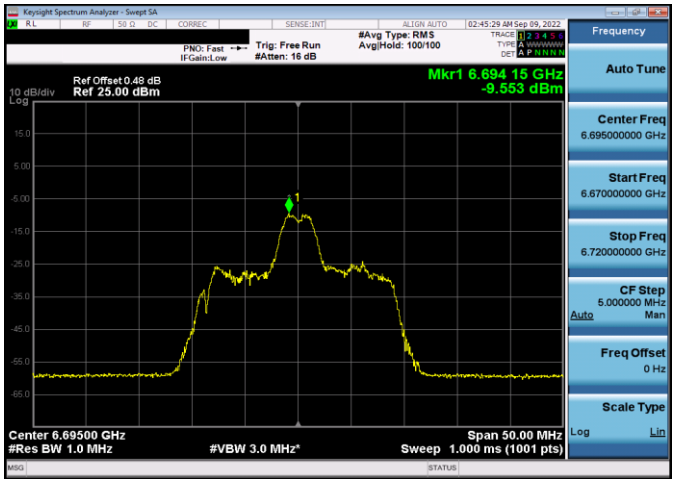
Plot 7-155. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



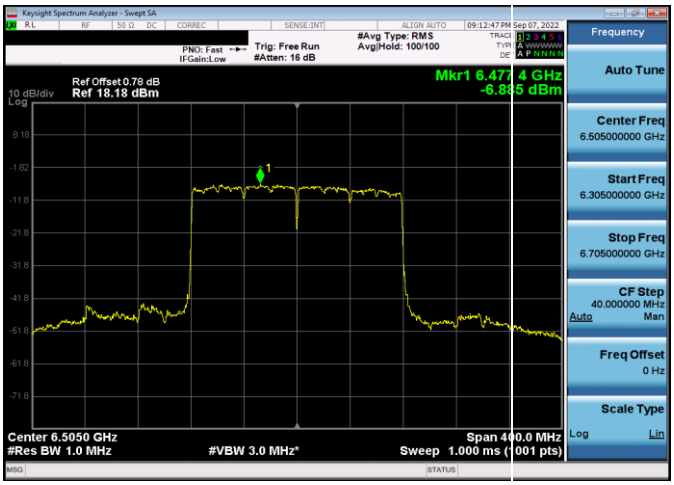
Plot 7-158. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



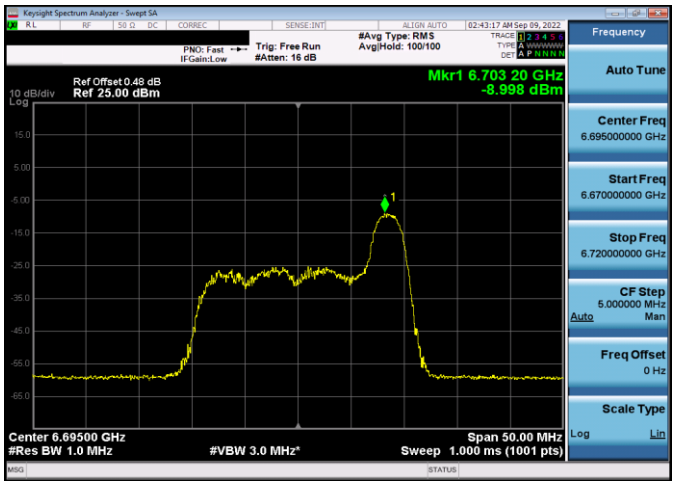
Plot 7-159. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



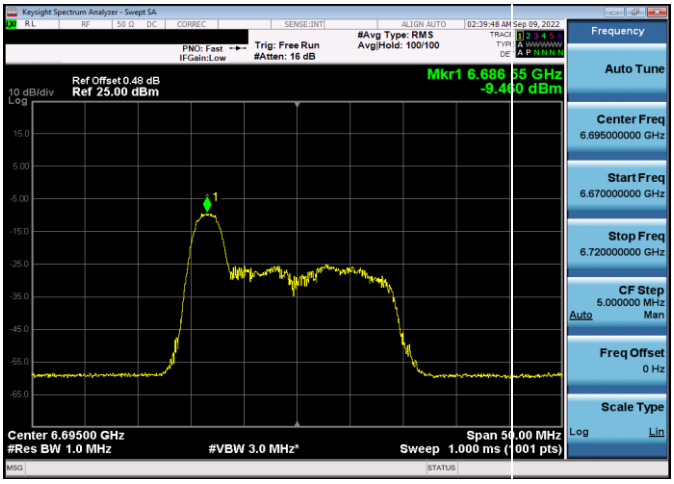
Plot 7-162. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



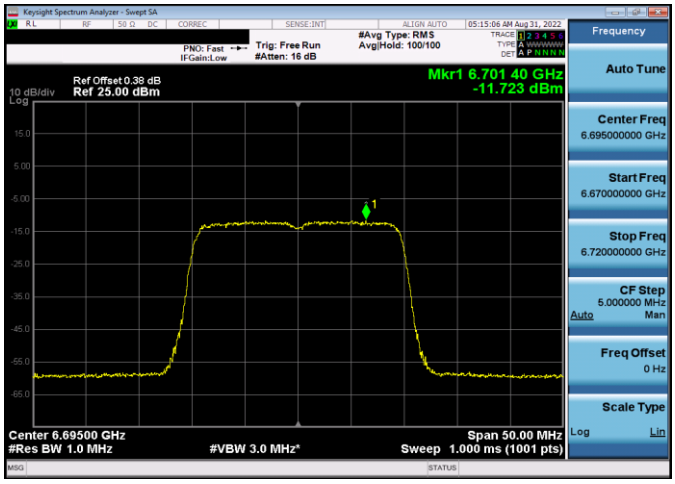
Plot 7-160. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU484 (UNII Band 6) – Ch. 111)



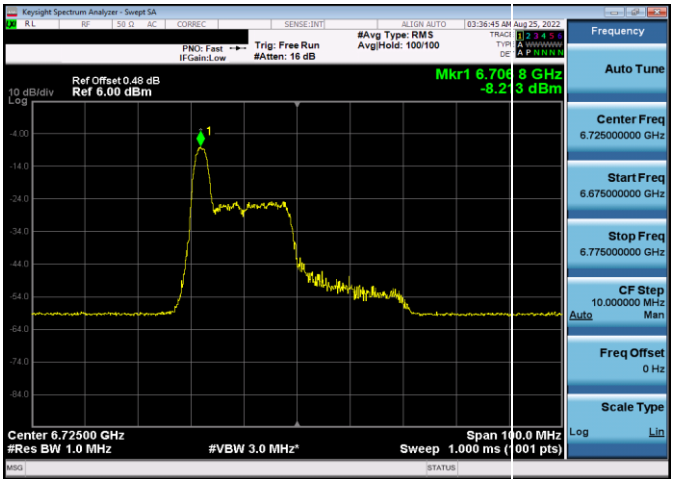
Plot 7-163. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



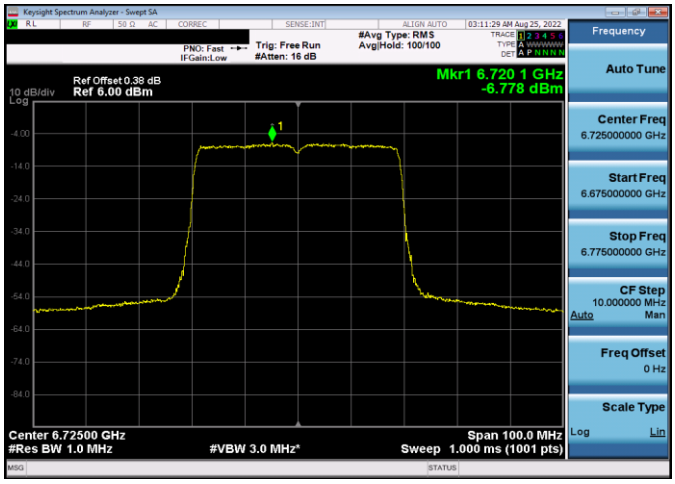
Plot 7-161. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



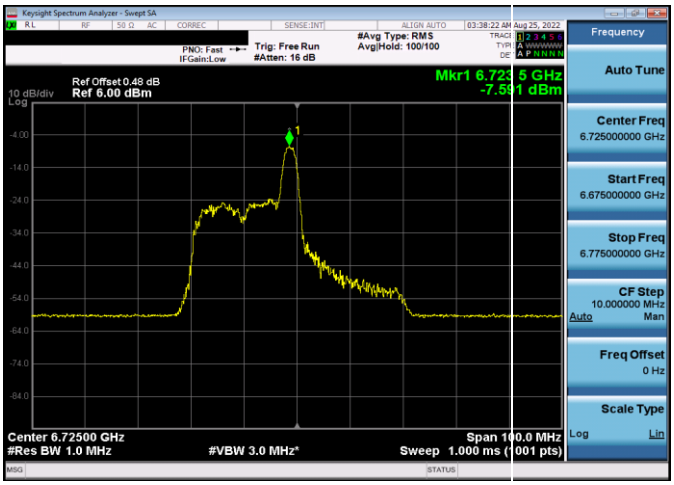
Plot 7-164. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)



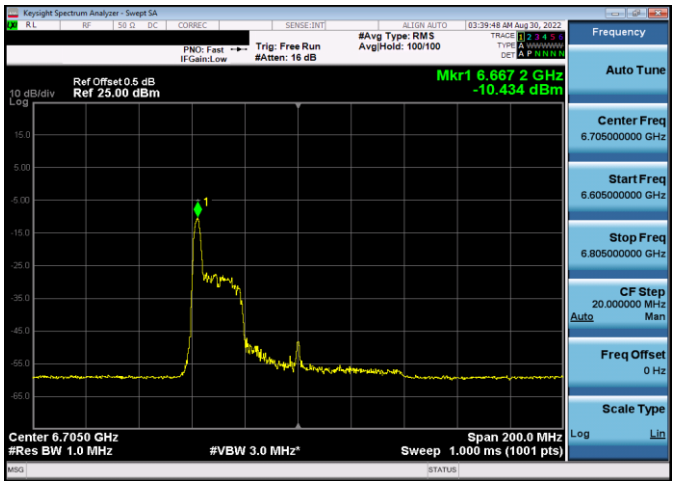
Plot 7-165. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



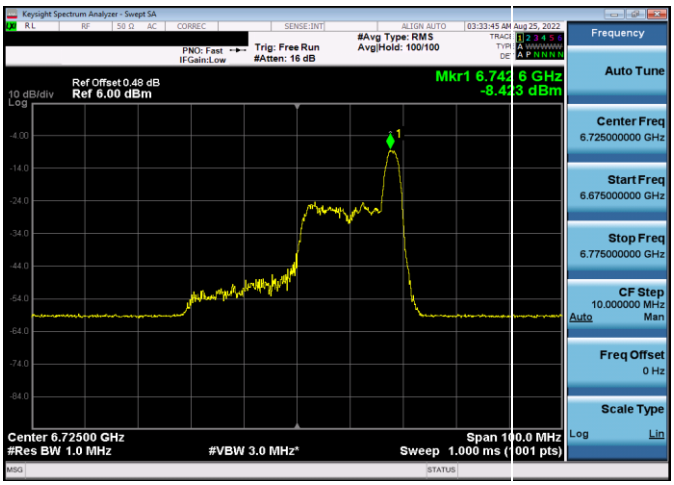
Plot 7-168. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



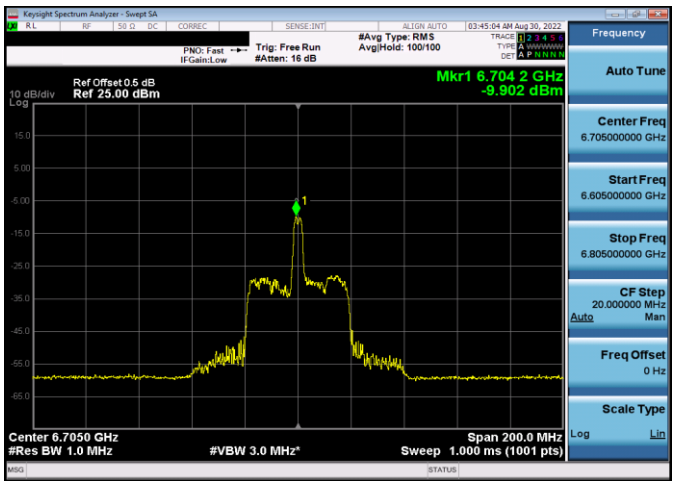
Plot 7-166. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



Plot 7-169. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



Plot 7-167. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



Plot 7-170. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)