

## A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2022/07/04~05	Temp./Hum.	24°C/55~59%
Cable Loss	1.00dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

### A.4.1 Conducted Output Power Result

● OFDM Modulation

Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Conducted Output Power (dBm)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) Note3	Total EIRP (dBm) Note 2	Limit
			AUX	Main				
802.11ax-HE20	5	5955	1.790	2.290	N/A	2.15	7.207	24dBm
		6175	1.840	2.160	N/A	2.15	7.163	
		6415	1.970	2.230	N/A	2.05	7.162	
	6	6435	2.010	2.280	N/A	2.05	7.207	
		6475	1.820	2.180	N/A	2.05	7.064	
		6515	1.760	2.340	N/A	2.05	7.120	
	7	6535	-1.030	-0.390	N/A	2.05	4.362	
		6695	-1.500	-0.570	N/A	2.05	4.050	
		6855	-0.570	-0.560	N/A	2.00	4.445	
	8	6875	-0.660	-0.670	N/A	2.00	4.345	
		6995	-0.340	-0.220	N/A	2.00	4.731	
		7115	-4.110	-3.890	N/A	2.00	1.012	
802.11ax-HE40	5	5965	5.350	5.670	N/A	2.15	10.673	
		6165	5.380	5.750	N/A	2.15	10.729	
		6405	5.520	5.680	N/A	2.05	10.661	
	6	6445	5.570	5.680	N/A	2.05	10.686	
		6485	5.400	5.670	N/A	2.05	10.597	
		6525	5.340	5.780	N/A	2.05	10.626	
	7	6685	4.540	4.770	N/A	2.05	9.717	
		6845	4.560	4.940	N/A	2.00	9.764	
		6885	4.640	4.830	N/A	2.00	9.746	
	8	7005	4.760	4.880	N/A	2.00	9.831	
		7085	4.840	4.810	N/A	2.00	9.835	
		7025	6.220	6.450	N/A	2.00	11.347	
802.11ax-HE80	5	5985	7.410	7.660	N/A	2.15	12.697	
		6145	6.970	7.130	N/A	2.15	12.211	
		6385	7.350	7.450	N/A	2.05	12.461	
	6	6465	6.960	6.990	N/A	2.05	12.035	
		6545	6.820	6.950	N/A	2.05	11.946	
		6625	6.350	6.340	N/A	2.05	11.405	
	7	6705	6.390	6.380	N/A	2.05	11.445	
		6785	6.360	6.580	N/A	2.05	11.532	
		6865	6.180	6.410	N/A	2.00	11.307	
	8	6945	6.230	6.580	N/A	2.00	11.419	
		7025	6.220	6.450	N/A	2.00	11.347	
		6025	10.290	10.120	N/A	2.15	15.366	
5	6185	10.480	10.130	N/A	2.15	15.469		
	6345	10.350	10.070	N/A	2.05	15.273		
	6505	9.890	10.020	N/A	2.05	15.016		
6	6665	9.460	9.600	N/A	2.05	14.591		
	6825	9.170	9.320	N/A	2.00	14.256		
	6985	9.260	9.580	N/A	2.00	14.433		

Note: 1. All results have been included cable.

2. According to KDB 662911 D01 E1), Total average output power(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

● OFDMA Modulation

**Tones: 26T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 0			RU Index 4			RU Index 8				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE20	5	5955	26T	-6.58	-5.49	0.141	-6.42	-5.29	0.141	-6.51	-5.42	0.141	2.15	-0.52
		6175		-7.52	-7.13	0.141	-7.31	-6.96	0.141	-7.52	-7.07	0.141	2.15	-1.83
		6415		-7.87	-8.18	0.141	-7.72	-8.10	0.141	-7.89	-8.13	0.141	2.05	-2.70
	6	6435		-7.94	-8.01	0.141	-7.74	-7.54	0.141	-7.87	-7.97	0.141	2.05	-2.44
		6475		-8.26	-8.00	0.141	-7.73	-7.77	0.141	-8.02	-8.29	0.141	2.05	-2.55
		6515		-8.23	-8.42	0.141	-8.03	-8.19	0.141	-8.20	-8.54	0.141	2.05	-2.91
	7	6535		-9.04	-9.23	0.141	-8.85	-9.01	0.141	-9.16	-9.34	0.141	2.05	-3.73
		6695		-9.56	-9.28	0.141	-9.32	-8.98	0.141	-9.47	-9.26	0.141	2.05	-3.95
		6855		-9.01	-9.09	0.141	-8.75	-8.83	0.141	-9.03	-9.13	0.141	2.00	-3.64
	8	6875		-9.04	-9.18	0.141	-8.78	-8.94	0.141	-9.10	-9.23	0.141	2.00	-3.71
		6995		-8.48	-8.23	0.141	-8.21	-7.90	0.141	-8.64	-8.17	0.141	2.00	-2.90
		7115		-7.82	-7.74	0.141	-8.33	-7.50	0.141	-9.35	-8.38	0.141	2.00	-2.63

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 0			RU Index 8			RU Index 17				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE40	5	5965	26T	-6.00	-5.59	0.150	-6.06	-5.76	0.150	-5.98	-5.72	0.150	2.15	-0.48
		6165		-7.01	-6.91	0.150	-7.19	-7.06	0.150	-7.26	-7.05	0.150	2.15	-1.65
		6405		-7.62	-7.61	0.150	-7.80	-7.82	0.150	-7.85	-7.91	0.150	2.05	-2.40
	6	6445		-7.70	-7.65	0.150	-7.80	-7.75	0.150	-7.69	-7.66	0.150	2.05	-2.46
		6485		-7.79	-7.84	0.150	-7.96	-8.05	0.150	-7.97	-8.08	0.150	2.05	-2.60
		6525		-8.05	-8.12	0.150	-8.27	-8.30	0.150	-8.34	-8.49	0.150	2.05	-2.87
	7	6685		-9.34	-9.14	0.150	-9.41	-9.06	0.150	-9.34	-9.03	0.150	2.05	-3.97
		6845		-8.77	-9.11	0.150	-8.86	-9.28	0.150	-8.80	-9.34	0.150	2.00	-3.78
		6885		-8.81	-9.34	0.150	-8.94	-9.62	0.150	-8.91	-9.43	0.150	2.00	-3.91
	8	7005		-7.92	-8.74	0.150	-8.17	-8.97	0.150	-8.08	-8.89	0.150	2.00	-3.15
		7085		-7.55	-8.17	0.150	-7.70	-8.28	0.150	-7.81	-8.33	0.150	2.00	-2.69

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 0			RU Index 18			RU Index 36				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE80	5	5985	26T	-6.34	-5.99	0.141	-5.61	-5.39	0.141	-6.28	-6.10	0.141	2.15	-0.20
		6145		-7.00	-6.96	0.141	-6.62	-6.52	0.141	-7.45	-7.26	0.141	2.15	-1.27
		6385		-7.65	-7.67	0.141	-7.21	-7.23	0.141	-8.02	-8.15	0.141	2.05	-2.02
	6	6465		-8.00	-7.92	0.141	-7.61	-7.48	0.141	-8.41	-8.35	0.141	2.05	-2.34
		6545		-8.36	-8.48	0.141	-8.00	-8.13	0.141	-8.90	-9.00	0.141	2.05	-2.86
		6625		-9.28	-9.15	0.141	-8.85	-8.61	0.141	-9.51	-9.28	0.141	2.05	-3.53
	7	6705		-9.55	-9.32	0.141	-9.14	-8.78	0.141	-9.85	-9.49	0.141	2.05	-3.75
		6785		-9.00	-9.03	0.141	-8.34	-8.54	0.141	-9.05	-9.32	0.141	2.05	-3.24
		6865		-9.07	-9.35	0.141	-8.46	-9.01	0.141	-9.15	-10.00	0.141	2.00	-3.57
	8	6945		-7.80	-8.46	0.141	-7.42	-8.05	0.141	-8.26	-8.98	0.141	2.00	-2.57
		7025		-8.23	-9.03	0.141	-7.86	-8.49	0.141	-8.76	-9.38	0.141	2.00	-3.01

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 0			RU Index 18			RU Index 36				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80L)	5	6025	26T	-7.58	-7.26	0.150	-0.50	-6.45	-6.96	-5.92	-5.67	0.150	2.15	-0.48
		6185		-8.52	-8.38	0.150	-1.53	-7.12	-7.73	-7.25	-6.93	0.150	2.15	-1.78
		6345		-9.05	-9.01	0.150	-2.20	-7.02	-7.91	-7.47	-7.39	0.150	2.05	-2.22
	6	6505		-9.68	-9.54	0.150	-2.78	-7.18	-7.82	-8.18	-8.11	0.150	2.05	-2.28
		6665		-10.90	-10.51	0.150	-3.87	-7.96	-8.49	-9.44	-9.03	0.150	2.05	-3.01
	7	6825		-10.47	-10.33	0.150	-3.89	-7.79	-7.68	-9.05	-9.00	0.150	2.00	-2.57
		6985		-9.53	-9.85	0.150	-3.18	-6.92	-7.32	-8.03	-8.57	0.150	2.00	-1.96

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index S0			RU Index S18			RU Index S36				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80H)	5	6025	26T	-5.78	-5.65	0.150	-6.41	-7.02	0.150	-7.99	-7.73	0.150	2.15	-0.40
		6185		-7.31	-6.98	0.150	-7.39	-7.88	0.150	-9.65	-9.14	0.150	2.15	-1.83
		6345		-7.49	-7.39	0.150	-7.11	-7.87	0.150	-9.64	-9.56	0.150	2.05	-2.23
	6	6505		-8.19	-8.12	0.150	-7.29	-8.02	0.150	-10.45	-10.37	0.150	2.05	-2.43
		6665		-9.49	-9.08	0.150	-8.21	-8.60	0.150	-11.39	-10.85	0.150	2.05	-3.19
	7	6825		-9.11	-9.09	0.150	-7.99	-8.21	0.150	-11.35	-11.51	0.150	2.00	-2.94
		6985		-8.15	-8.67	0.150	-7.44	-7.79	0.150	-10.35	-10.83	0.150	2.00	-2.45

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

**Tones: 52T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 37			RU Index 39			RU Index 40				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE20	5	5955	52T	-3.51	-2.32	0.141	-3.36	-2.24	0.141	-3.04	-2.36	0.141	2.15	2.615
		6175		-4.37	-3.95	0.141	-4.29	-3.95	0.141	-4.44	-4.08	0.141	2.15	1.185
		6415		-4.71	-5.03	0.141	-4.64	-5.03	0.141	-4.78	-5.14	0.141	2.05	0.371
	6	6435		-4.75	-4.85	0.141	-4.64	-4.81	0.141	-4.75	-4.91	0.141	2.05	0.477
		6475		-4.83	-5.04	0.141	-4.74	-4.95	0.141	-4.83	-5.04	0.141	2.05	0.358
		6515		-4.98	-5.25	0.141	-4.95	-5.22	0.141	-5.10	-5.33	0.141	2.05	0.118
	7	6535		-5.88	-6.04	0.141	-5.84	-5.98	0.141	-5.96	-6.14	0.141	2.05	-0.708
		6695		-6.38	-6.06	0.141	-6.28	-5.98	0.141	-6.38	-6.05	0.141	2.05	-0.926
		6855		-5.81	-5.86	0.141	-5.71	-5.87	0.141	-5.79	-5.94	0.141	2.00	-0.638
	8	6875		-5.84	-5.94	0.141	-5.77	-5.97	0.141	-5.87	-6.07	0.141	2.00	-0.718
		6995		-5.31	-5.05	0.141	-5.32	-5.03	0.141	-5.43	-5.14	0.141	2.00	-0.021
		7115		-5.29	-4.64	0.141	-5.30	-4.61	0.141	-9.04	-8.32	0.141	2.00	0.210

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 37			RU Index 40			RU Index 44				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE40	5	5965	52T	-3.08	-2.79	0.150	-3.00	-2.68	0.150	-2.97	-2.72	0.150	2.15	2.47
		6165		-3.97	-3.87	0.150	-4.07	-3.96	0.150	-4.21	-4.03	0.150	2.15	1.39
		6405		-4.59	-4.66	0.150	-4.65	-4.77	0.150	-4.81	-4.98	0.150	2.05	0.59
	6	6445		-4.75	-4.69	0.150	-4.78	-4.74	0.150	-4.82	-4.86	0.150	2.05	0.49
		6485		-4.85	-4.91	0.150	-4.92	-4.95	0.150	-5.02	-5.11	0.150	2.05	0.33
		6525		-5.04	-5.16	0.150	-5.13	-5.22	0.150	-5.25	-5.47	0.150	2.05	0.11
	7	6685		-6.28	-6.00	0.150	-6.36	-6.04	0.150	-6.46	-6.10	0.150	2.05	-0.93
		6845		-5.73	-6.04	0.150	-5.70	-6.10	0.150	-5.75	-6.25	0.150	2.00	-0.72
		6885		-5.70	-6.32	0.150	-5.72	-6.44	0.150	-5.79	-6.61	0.150	2.00	-0.84
	8	7005		-5.00	-5.62	0.150	-5.06	-5.72	0.150	-5.12	-5.89	0.150	2.00	-0.14
		7085		-4.51	-5.04	0.150	-4.57	-5.18	0.150	-4.75	-5.35	0.150	2.00	0.39

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) Note 4	Max EIRP (dBm) Note 5
				RU Index 37			RU Index 44			RU Index 52				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3		
802.11ax-HE80	5	5985	52T	-3.25	-2.97	0.141	-2.66	-2.51	0.141	-3.18	-3.09	0.141	2.15	2.72
		6145		-3.94	-3.96	0.141	-3.71	-3.68	0.141	-4.38	-4.23	0.141	2.15	1.61
		6385		-4.61	-4.75	0.141	-4.36	-4.47	0.141	-5.01	-5.21	0.141	2.05	0.79
	6	6465		-4.98	-4.99	0.141	-4.65	-4.72	0.141	-5.35	-5.19	0.141	2.05	0.52
		6545		-5.27	-5.40	0.141	-5.03	-5.21	0.141	-5.77	-5.93	0.141	2.05	0.08
		6625		-6.33	-6.13	0.141	-5.96	-5.76	0.141	-6.48	-6.24	0.141	2.05	-0.66
	7	6705		-6.39	-6.25	0.141	-6.21	-5.88	0.141	-6.76	-6.35	0.141	2.05	-0.84
		6785		-6.06	-5.90	0.141	-5.57	-5.57	0.141	-5.94	-6.15	0.141	2.05	-0.37
		6865		-5.96	-6.26	0.141	-5.54	-6.09	0.141	-6.04	-6.86	0.141	2.00	-0.65
	8	6945		-5.18	-5.84	0.141	-4.55	-5.14	0.141	-5.15	-5.84	0.141	2.00	0.32
		7025		-5.25	-5.90	0.141	-5.01	-5.74	0.141	-5.66	-6.39	0.141	2.00	-0.21

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) Note 4	Max EIRP (dBm) Note 5
				RU Index 37			RU Index 44			RU Index 52				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3		
802.11ax-HE160 (80L)	5	6025	52T	-4.70	-4.28	0.150	-3.51	-3.22	0.150	-3.00	-2.74	0.150	2.15	2.44
		6185		-5.41	-5.34	0.150	-4.54	-4.38	0.150	-4.19	-3.95	0.150	2.15	1.24
		6345		-5.92	-6.07	0.150	-4.89	-4.99	0.150	-4.42	-4.50	0.150	2.05	0.75
	6	6505		-6.46	-6.37	0.150	-5.48	-5.42	0.150	-5.07	-5.10	0.150	2.05	0.13
		6665		-7.85	-7.59	0.150	-6.81	-6.61	0.150	-6.17	-5.83	0.150	2.05	-0.79
	7	6825		-7.61	-7.47	0.150	-6.38	-6.41	0.150	-5.76	-6.08	0.150	2.00	-0.76
		6985		-6.63	-6.84	0.150	-5.38	-5.93	0.150	-5.00	-5.65	0.150	2.00	-0.15

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) Note 4	Max EIRP (dBm) Note 5
				RU Index S37			RU Index S44			RU Index S52				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) Note 3		
802.11ax-HE160 (80H)	5	6025	52T	-2.94	-2.75	0.150	-3.47	-3.31	0.150	-4.99	-4.79	0.150	2.15	2.47
		6185		-4.18	-3.93	0.150	-4.97	-4.62	0.150	-6.49	-5.98	0.150	2.15	1.26
		6345		-4.44	-4.48	0.150	-5.01	-5.02	0.150	-6.52	-6.66	0.150	2.05	0.75
	6	6505		-5.10	-5.13	0.150	-5.73	-5.78	0.150	-7.30	-7.37	0.150	2.05	0.10
		6665		-6.32	-6.05	0.150	-6.84	-6.51	0.150	-8.24	-7.91	0.150	2.05	-0.97
	7	6825		-5.79	-6.12	0.150	-6.26	-6.78	0.150	-7.58	-8.36	0.150	2.00	-0.79
		6985		-5.06	-5.70	0.150	-5.67	-6.39	0.150	-7.25	-7.93	0.150	2.00	-0.21

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

**Tones: 106T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 53			RU Index 54				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor $10\log(1/X)$ <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor $10\log(1/X)$ <sup>Note 3</sup>		
802.11ax-HE20	5	5955	106T	0.09	0.37	0.141	0.81	0.41	0.141	2.15	5.92
		6175		-1.05	-0.86	0.141	-1.06	-0.84	0.141	2.15	4.35
		6415		-1.61	-1.72	0.141	-1.65	-1.79	0.141	2.05	3.54
	6	6435		-1.72	-1.58	0.141	-1.69	-1.63	0.141	2.05	3.55
		6475		-1.83	-1.79	0.141	-1.81	-1.79	0.141	2.05	3.40
		6515		-1.99	-2.02	0.141	-2.03	-2.08	0.141	2.05	3.20
	7	6535		-2.82	-2.86	0.141	-2.86	-2.92	0.141	2.05	2.36
		6695		-3.32	-2.97	0.141	-3.35	-2.92	0.141	2.05	2.07
		6855		-2.64	-3.07	0.141	-2.67	-3.13	0.141	2.00	2.30
	8	6875		-2.66	-3.22	0.141	-2.70	-3.28	0.141	2.00	2.22
		6995		-1.84	-2.47	0.141	-1.92	-2.51	0.141	2.00	3.01
		7115		-1.72	-2.23	0.141	-8.45	-8.91	0.141	2.00	3.18

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 53			RU Index 54			RU Index 56				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor $10\log(1/X)$ <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor $10\log(1/X)$ <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor $10\log(1/X)$ <sup>Note 3</sup>		
802.11ax-HE40	5	5965	106T	0.06	0.32	0.150	0.13	0.37	0.150	0.14	0.31	0.150	2.15	5.56
		6165		-0.95	-0.83	0.150	-0.99	-0.84	0.150	-1.14	-0.94	0.150	2.15	4.42
		6405		-1.51	-1.69	0.150	-1.57	-1.71	0.150	-1.69	-1.93	0.150	2.05	3.61
	6	6445		-1.72	-1.72	0.150	-1.72	-1.70	0.150	-1.75	-1.83	0.150	2.05	3.50
		6485		-1.72	-1.75	0.150	-1.71	-1.76	0.150	-1.94	-2.00	0.150	2.05	3.48
		6525		-2.02	-2.10	0.150	-2.00	-2.12	0.150	-2.14	-2.31	0.150	2.05	3.15
	7	6685		-3.21	-2.96	0.150	-3.25	-2.99	0.150	-3.36	-3.04	0.150	2.05	2.13
		6845		-2.69	-3.01	0.150	-2.67	-3.04	0.150	-2.66	-3.23	0.150	2.00	2.31
		6885		-2.71	-3.33	0.150	-2.69	-3.37	0.150	-2.79	-3.59	0.150	2.00	2.15
	8	7005		-1.89	-2.54	0.150	-1.92	-2.58	0.150	-2.80	-2.06	0.150	2.00	2.96
		7085		-1.45	-2.02	0.150	-1.52	-2.09	0.150	-1.68	-2.25	0.150	2.00	3.43

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 53			RU Index 56			RU Index 60				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE80	5	5985	106T	-0.17	0.01	0.141	-0.30	0.42	0.141	-0.11	-0.06	0.141	2.15	5.38
		6145		-0.96	-0.96	0.141	-0.75	-0.67	0.141	-1.40	-1.25	0.141	2.15	4.59
		6385		-1.59	-1.74	0.141	-1.33	-1.52	0.141	-1.33	-1.50	0.141	2.05	3.79
	6	6465		-1.97	-1.97	0.141	-1.68	-1.71	0.141	-2.18	-2.32	0.141	2.05	3.51
		6545		-2.29	-2.38	0.141	-2.11	-2.26	0.141	-2.77	-2.94	0.141	2.05	3.02
		6625		-3.34	-3.22	0.141	-3.05	-2.88	0.141	-3.52	-3.28	0.141	2.05	2.24
	7	6705		-3.57	-3.32	0.141	-3.29	-2.98	0.141	-3.81	-3.46	0.141	2.05	2.07
		6785		-3.08	-2.96	0.141	-2.65	-2.68	0.141	-2.97	-3.23	0.141	2.05	2.54
		6865		-2.98	-3.27	0.141	-2.61	-3.14	0.141	-2.61	-3.12	0.141	2.00	2.29
	8	6945		-1.80	-2.25	0.141	-1.55	-2.07	0.141	-2.12	-2.70	0.141	2.00	3.35
		7025		-2.19	-2.82	0.141	-2.00	-2.68	0.141	-2.68	-3.35	0.141	2.00	2.82

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 53			RU Index 56			RU Index 60				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80L)	5	6025	106T	-1.36	-1.14	0.150	-0.41	-0.25	0.150	0.17	0.24	0.150	2.15	5.52
		6185		-2.32	-2.27	0.150	-1.54	-1.43	0.150	-1.18	-0.94	0.150	2.15	4.25
		6345		-2.75	-2.94	0.150	-1.86	-2.02	0.150	-1.36	-1.48	0.150	2.05	3.79
	6	6505		-3.38	-3.30	0.150	-2.48	-2.47	0.150	-2.03	-2.11	0.150	2.05	3.14
		6665		-4.78	-4.52	0.150	-3.90	-3.61	0.150	-3.36	-3.03	0.150	2.05	2.02
	7	6825		-4.52	-4.34	0.150	-3.43	-3.44	0.150	-2.78	-3.02	0.150	2.00	2.26
		6985		-3.21	-3.67	0.150	-2.32	-2.87	0.150	-1.91	-2.53	0.150	2.00	2.95

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index S53			RU Index S56			RU Index S60				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80H)	5	6025	106T	0.12	0.16	0.150	-0.35	-0.32	0.150	-1.77	-1.71	0.150	2.15	5.45
		6185		-1.24	-0.98	0.150	-1.85	-1.52	0.150	-3.4	-2.9	0.150	2.15	4.20
		6345		-1.41	-1.5	0.150	-1.87	-2.02	0.150	-3.35	-3.53	0.150	2.05	3.76
	6	6505		-2.07	-2.17	0.150	-2.63	-2.73	0.150	-4.16	-4.24	0.150	2.05	3.09
		6665		-3.42	-3.08	0.150	-3.88	-3.48	0.150	-5.27	-4.79	0.150	2.05	1.96
	7	6825		-2.78	-3.09	0.150	-3.16	-3.67	0.150	-4.46	-5.28	0.150	2.00	2.23
		6985		-1.97	-2.62	0.150	-2.56	-3.19	0.150	-4.05	-4.69	0.150	2.00	2.88

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

**Tones: 242T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 61				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE20	5	5955	242T	2.97	2.29	0.141	2.15	7.94
		6175		3.16	2.34	0.141	2.15	8.07
		6415		3.05	2.03	0.141	2.05	7.77
	6	6435		2.40	1.39	0.141	2.05	7.13
		6475		2.32	1.53	0.141	2.05	7.14
		6515		2.15	1.77	0.141	2.05	7.17
	7	6535		-0.04	-0.31	0.141	2.05	5.03
		6695		-0.64	-0.38	0.141	2.05	4.69
		6855		0.09	-0.54	0.141	2.00	4.94
		6875		-0.10	-0.92	0.141	2.00	4.66
	8	6995		0.50	-0.17	0.141	2.00	5.33
		7115		-2.97	-3.50	0.141	2.00	1.92

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 61			RU Index 62				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE40	5	5965	242T	2.86	2.17	0.150	2.62	2.12	0.150	2.15	7.84
		6165		2.57	2.11	0.150	2.61	2.09	0.150	2.15	7.67
		6405		2.60	1.75	0.150	2.65	1.75	0.150	2.05	7.43
	6	6445		2.08	1.17	0.150	2.00	1.41	0.150	2.05	6.93
		6485		1.99	1.39	0.150	2.01	1.47	0.150	2.05	6.96
		6525		2.03	1.58	0.150	2.82	2.01	0.150	2.05	7.64
	7	6685		-0.54	-0.41	0.150	-0.58	-0.48	0.150	2.05	4.74
		6845		0.26	-0.34	0.150	0.29	-0.31	0.150	2.00	5.16
		6885		0.02	-0.95	0.150	-0.01	-0.97	0.150	2.00	4.72
	8	7005		0.55	-0.32	0.150	0.57	-0.32	0.150	2.00	5.31
		7085		1.07	0.3	0.150	1.08	0.3	0.150	2.00	5.87

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.



Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 61			RU Index 62			RU Index 64				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE80	5	5985	242T	2.49	1.71	0.141	2.7	1.94	0.141	2.53	1.84	0.141	2.15	7.64
		6145		2.52	1.74	0.141	2.69	2.01	0.141	2.51	1.86	0.141	2.15	7.66
		6385		2.59	1.59	0.141	2.69	1.64	0.141	2.53	1.63	0.141	2.05	7.40
	6	6465		2.04	0.96	0.141	2.95	1.89	0.141	1.86	1.22	0.141	2.05	7.65
		6545		2.03	1.31	0.141	2.97	2.04	0.141	2.69	1.53	0.141	2.05	7.73
		6625		-0.54	-0.56	0.141	-0.06	-0.07	0.141	2.76	1.7	0.141	2.05	7.46
	7	6705		-0.73	-0.69	0.141	-0.32	-0.26	0.141	-0.79	-0.69	0.141	2.05	4.91
		6785		0.1	-0.19	0.141	0.48	0.24	0.141	0.13	-0.14	0.141	2.05	5.56
		6865		0.14	-0.68	0.141	0.26	-0.55	0.141	-0.1	-0.87	0.141	2.00	5.03
	8	6945		0.77	0.02	0.141	1.18	0.41	0.141	0.82	-0.03	0.141	2.00	5.96
		7025		0.24	-0.7	0.141	0.63	-0.34	0.141	0.24	-0.75	0.141	2.00	5.32

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 61			RU Index 62			RU Index 64				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80L)	5	6025	242T	3.05	2.27	0.150	3.43	2.48	0.150	2.91	2.25	0.150	2.15	8.29
		6185		2.88	2.18	0.150	3.51	2.73	0.150	3.02	2.15	0.150	2.15	8.45
		6345		2.83	2.07	0.150	3.08	2.29	0.150	2.73	1.94	0.150	2.05	7.91
	6	6505		2.32	1.31	0.150	3.35	2.67	0.150	2.31	1.61	0.150	2.05	8.23
		6665		-0.58	-0.62	0.150	0.18	0.15	0.150	0.79	0.72	0.150	2.05	5.97
		6825		-0.06	-0.64	0.150	0.75	0.14	0.150	1.39	0.78	0.150	2.00	6.26
	8	6985		0.59	-0.39	0.150	1.24	0.34	0.150	1.89	0.89	0.150	2.00	6.58

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index S61			RU Index S62			RU Index S64				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80H)	5	6025	242T	2.79	2.14	0.150	2.89	2.35	0.150	2.89	2.41	0.150	2.15	7.97
		6185		3.13	2.14	0.150	2.95	2.03	0.150	2.92	2.03	0.150	2.15	7.97
		6345		2.96	1.84	0.150	2.83	1.75	0.150	3.03	1.95	0.150	2.05	7.73
	6	6505		2.33	1.68	0.150	3.05	2.25	0.150	3.14	2.17	0.150	2.05	7.89
		6665		0.78	0.80	0.150	-0.70	-0.69	0.150	-0.57	-0.56	0.150	2.05	6.00
		6825		1.43	0.78	0.150	1.17	0.52	0.150	-0.18	-0.91	0.150	2.00	6.28
	8	6985		1.92	0.88	0.150	1.77	0.7	0.150	0.51	-0.56	0.150	2.00	6.59

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

**Tones: 484T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>	
				RU Index 65					
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>			
802.11ax-HE40	5	5965	484T	5.69	5.2	0.150	2.15	10.76	
		6165		5.62	5.26	0.150	2.15	10.75	
		6405		5.66	4.91	0.150	2.05	10.51	
	6	6445		5.68	4.88	0.150	2.05	10.51	
		6485		5.61	5.04	0.150	2.05	10.54	
		6525		5.53	5.09	0.150	2.05	10.53	
	7	6685		5.00	4.38	0.150	2.05	9.91	
		6845		5.01	4.25	0.150	2.00	9.81	
		6885		4.95	4.22	0.150	2.00	9.76	
		7005		4.92	4.36	0.150	2.00	9.81	
		8		7085	4.99	4.23	0.150	2.00	9.79

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 65			RU Index 66				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE80	5	5985	484T	5.66	5.04	0.141	5.58	5.06	0.141	2.15	10.66
		6145		5.52	4.97	0.141	5.56	5.1	0.141	2.15	10.64
		6385		5.46	4.71	0.141	5.54	4.81	0.141	2.05	10.39
	6	6465		5.62	4.75	0.141	5.56	4.91	0.141	2.05	10.45
		6545		5.5	4.98	0.141	5.58	4.78	0.141	2.05	10.45
		6625		4.85	3.93	0.141	4.98	4.07	0.141	2.05	9.75
	7	6705		4.89	4.1	0.141	4.92	4.22	0.141	2.05	9.79
		6785		4.89	4.31	0.141	4.91	4.13	0.141	2.05	9.81
		6865		4.92	4.05	0.141	4.97	4.13	0.141	2.00	9.72
	8	6945		4.81	4.02	0.141	4.87	4.04	0.141	2.00	9.63
		7025		4.91	4.34	0.141	4.89	4.18	0.141	2.00	9.79

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 65			RU Index 66				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80L)	5	6025	484T	5.93	5.32	0.150	5.92	5.36	0.150	2.15	10.96
		6185		5.72	5.28	0.150	5.86	5.34	0.150	2.15	10.92
		6345		5.67	5.17	0.150	5.79	5.12	0.150	2.05	10.68
	6	6505		5.89	5.02	0.150	5.72	5.18	0.150	2.05	10.69
		6665		5.07	4.08	0.150	5.24	4.25	0.150	2.05	9.98
	7	6825		5.13	4.37	0.150	5.07	4.24	0.150	2.00	9.93
		6985		5.02	4.06	0.150	5.08	4.04	0.150	2.00	9.75

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index S65			RU Index S66				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160 (80H)	5	6025	484T	5.83	5.32	0.150	5.75	5.34	0.150	2.15	10.89
		6185		5.88	5.28	0.150	5.91	5.21	0.150	2.15	10.90
		6345		5.85	5.02	0.150	5.85	5.02	0.150	2.05	10.67
	6	6505		5.71	5.16	0.150	5.85	5.06	0.150	2.05	10.68
		6665		5.14	4.27	0.150	5.06	4.35	0.150	2.05	9.94
	7	6825		5.18	4.23	0.150	5.14	4.27	0.150	2.00	9.89
		6985		5.14	4.31	0.150	5.02	4.15	0.150	2.00	9.91

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

**Tones: 996T**

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 67				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE80	5	5985	996T	8.12	7.59	0.141	2.15	13.16
		6145		7.76	7.3	0.141	2.15	12.84
		6385		7.88	7.11	0.141	2.05	12.71
	6	6465		7.28	6.63	0.141	2.05	12.17
		6545		7.40	6.91	0.141	2.05	12.36
		6625		7.32	6.43	0.141	2.05	12.10
	7	6705		7.18	6.67	0.141	2.05	12.13
		6785		7.05	6.54	0.141	2.05	12.00
		6865		6.67	6.18	0.141	2.00	11.58
	8	6945		6.45	6.13	0.141	2.00	11.44
		7025		6.44	6.21	0.141	2.00	11.48

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) <sup>Note 4</sup>	Max EIRP (dBm) <sup>Note 5</sup>
				RU Index 67			RU Index S67				
				ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>	ANT A (AUX)	ANT B (Main)	Duty Cycle Factor 10log(1/X) <sup>Note 3</sup>		
802.11ax-HE160	5	6025	484T	7.99	7.55	0.15	7.35	7.08	0.15	2.15	13.09
		6185		7.87	7.26	0.15	7.76	7.32	0.15	2.15	12.89
		6345		8.11	7.64	0.15	7.55	6.95	0.15	2.05	13.09
	6	6505		7.53	6.91	0.15	7.57	7.13	0.15	2.05	12.57
		6665		7.46	6.61	0.15	6.92	6.53	0.15	2.05	12.27
		6825		7.18	6.65	0.15	6.79	6.32	0.15	2.00	12.08
	8	6985		6.69	6.43	0.15	6.67	6.51	0.15	2.00	11.75

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

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{2.0/10} + 10^{2.3/10})/2] = 2.15\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{1.9/10} + 10^{2.1/10})/2] = 2.00\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.