

A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2022/07/12~13	Temp./Hum.	25 ~ 26°C/42 ~ 50%
Cable Loss	1.5dB	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 Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note2}	Limit
			AUX	Main				
802.11ax-HE20	5	5955	1.77	2.07	N/A	2.010	6.94	24dBm
		6175	2.01	1.98		2.010	7.02	
		6415	1.68	2.27		1.950	6.95	
	6	6435	1.98	2.04		1.950	6.97	
		6475	2.09	2.18		1.950	7.10	
		6515	1.71	2.41		1.950	7.03	
	7	6535	-1.09	-0.51		1.950	4.17	
		6695	-1.72	-0.69		1.950	3.79	
		6855	-0.44	-0.59		1.950	4.45	
		6875	-0.47	-0.93		1.950	4.27	
	8	6995	-0.09	-0.24		1.950	4.80	
		7115	-4.10	-3.84		1.950	0.99	
				1.950	9.88			
802.11ax-HE40	5	5965	5.11	5.89	N/A	2.010	10.54	24dBm
		6165	5.29	5.89		2.010	10.62	
		6405	5.44	5.45		1.950	10.41	
	6	6445	5.59	5.82		1.950	10.67	
		6485	5.25	5.80		1.950	10.49	
		6525	5.52	5.91		1.950	10.68	
	7	6685	4.74	5.02		1.950	9.84	
		6845	4.78	4.67		1.950	9.69	
		6885	4.44	4.85		1.950	9.61	
	8	7005	4.61	4.90		1.950	9.72	
		7085	5.14	4.68		1.950	9.88	
						1.950	9.88	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)1), 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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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

Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note 2}	Limit
			AUX	Main				
802.11ax-HE80	5	5985	8.17	7.88	N/A	2.010	13.05	24dBm
		6145	7.72	7.51		2.010	12.64	
		6385	7.90	7.41		1.950	12.62	
	6	6465	7.68	7.26		1.950	12.44	
		6545	7.74	7.47		1.950	12.57	
		6625	7.29	6.69		1.950	11.96	
	7	6705	7.15	6.90		1.950	11.99	
		6785	7.04	6.88		1.950	11.92	
		6865	7.00	6.60		1.950	11.76	
	8	6945	6.82	6.66		1.950	11.70	
		7025	6.82	6.77		1.950	11.76	
		6025	10.83	10.82		2.010	15.85	
802.11ax-HE160	5	6185	10.90	10.62	2.010	15.78		
		6345	10.97	10.72	1.950	15.81		
		6505	10.72	10.63	1.950	15.64		
	7	6665	10.29	9.91	1.950	15.06		
		6825	9.96	9.72	1.950	14.80		
	8	6985	9.95	9.84	1.950	14.86		

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. According to KDB 662911 D01 E)1), 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
 Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{1.7/10} + 10^{2.3/10})/2]$ = 2.01dBi
 6525MHz: Directional gain = $10 \log[(10^{1.9/10} + 10^{2.0/10})/2]$ = 1.95dBi
 7125MHz: Directional gain = $10 \log[(10^{2.0/10} + 10^{1.9/10})/2]$ = 1.95dBi
 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

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 0			RU Index 4			RU Index 8				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE20	5	5955	26T	-6.38	-5.62	N/A	-6.02	-5.53	N/A	-6.36	-5.89	N/A	2.01	-0.75
		6175		-7.90	-7.30	N/A	-7.35	-7.46	N/A	-7.34	-7.14	N/A	2.01	-2.22
		6415		-7.77	-8.33	N/A	-7.84	-8.11	N/A	-7.82	-7.94	N/A	1.95	-2.92
	6	6435		-7.92	-7.71	N/A	-7.67	-7.50	N/A	-7.38	-7.56	N/A	1.95	-2.51
		6475		-8.12	-7.83	N/A	-7.45	-7.72	N/A	-7.90	-8.30	N/A	1.95	-2.62
		6515		-8.25	-8.47	N/A	-8.25	-8.49	N/A	-7.82	-8.21	N/A	1.95	-3.05
	7	6535		-9.34	-9.16	N/A	-9.33	-9.09	N/A	-9.29	-9.23	N/A	1.95	-4.25
		6695		-9.88	-9.01	N/A	-8.94	-8.68	N/A	-9.30	-8.96	N/A	1.95	-3.85
		6855		-9.09	-8.72	N/A	-8.30	-9.24	N/A	-9.01	-8.68	N/A	1.95	-3.78
	8	6875		-9.43	-9.22	N/A	-8.49	-9.04	N/A	-9.19	-9.03	N/A	1.95	-3.80
		6995		-8.54	-7.83	N/A	-8.27	-7.81	N/A	-8.76	-8.66	N/A	1.95	-3.07
		7115		-7.69	-8.05	N/A	-8.08	-7.68	N/A	-8.00	-8.05	N/A	1.95	-2.91

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 0			RU Index 8			RU Index 17				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE40	5	5965	26T	-6.39	-5.64	N/A	-5.65	-6.15	N/A	-6.04	-5.75	N/A	2.01	-0.87
		6165		-6.53	-7.40	N/A	-7.59	-7.29	N/A	-7.35	-6.78	N/A	2.01	-1.92
		6405		-7.23	-7.61	N/A	-7.82	-7.83	N/A	-8.24	-8.31	N/A	1.95	-2.46
	6	6445		-7.51	-7.56	N/A	-8.00	-7.57	N/A	-7.83	-8.13	N/A	1.95	-2.57
		6485		-7.38	-7.35	N/A	-8.25	-7.83	N/A	-7.90	-8.51	N/A	1.95	-2.40
	7	6525		-8.18	-7.78	N/A	-8.65	-8.67	N/A	-7.88	-8.91	N/A	1.95	-3.02
		6685		-9.18	-9.04	N/A	-9.31	-9.23	N/A	-8.94	-9.01	N/A	1.95	-4.01
		6845		-8.57	-9.32	N/A	-8.43	-9.39	N/A	-8.42	-9.33	N/A	1.95	-3.89
	8	6885		-9.10	-9.23	N/A	-8.46	-9.36	N/A	-9.22	-9.13	N/A	1.95	-3.93
		7005		-8.12	-8.88	N/A	-8.53	-8.65	N/A	-8.24	-8.81	N/A	1.95	-3.52
		7085		-7.87	-7.96	N/A	-8.18	-8.08	N/A	-9.10	-8.55	N/A	1.95	-2.95

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	26T	-6.25	-5.96	N/A	-6.01	-4.96	N/A	-5.82	-6.45	N/A	2.01	-0.43
		6145		-7.36	-7.09	N/A	-6.77	-7.02	N/A	-7.67	-7.43	N/A	2.01	-1.87
		6385		-8.03	-7.22	N/A	-6.96	-6.83	N/A	-8.49	-7.81	N/A	1.95	-1.93
	6	6465		-8.07	-7.76	N/A	-7.20	-7.11	N/A	-8.86	-8.09	N/A	1.95	-2.19
		6545		-8.16	-8.73	N/A	-7.81	-8.30	N/A	-9.14	-8.61	N/A	1.95	-3.09
		6625		-9.16	-8.65	N/A	-8.37	-8.15	N/A	-9.95	-8.97	N/A	1.95	-3.30
	7	6705		-9.19	-9.76	N/A	-8.84	-9.23	N/A	-9.53	-9.11	N/A	1.95	-4.07
		6785		-8.70	-8.99	N/A	-8.58	-8.93	N/A	-9.20	-9.31	N/A	1.95	-3.79
		6865		-9.08	-9.78	N/A	-8.58	-8.72	N/A	-9.40	-9.65	N/A	1.95	-3.69
	8	6945		-8.14	-8.46	N/A	-7.08	-8.30	N/A	-7.86	-9.12	N/A	1.95	-2.69
		7025		-8.70	-9.32	N/A	-7.54	-8.91	N/A	-8.53	-9.02	N/A	1.95	-3.21

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 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	26T	-7.40	-7.22	N/A	-6.52	-6.86	N/A	-5.62	-5.89	N/A	2.01	-0.73
		6185		-8.97	-8.15	N/A	-6.88	-7.85	N/A	-7.24	-6.76	N/A	2.01	-1.97
		6345		-9.12	-8.74	N/A	-7.30	-7.80	N/A	-7.53	-7.05	N/A	1.95	-2.32
	6	6505		-9.88	-9.48	N/A	-7.14	-7.84	N/A	-8.34	-7.68	N/A	1.95	-2.52
		6665		-10.65	-10.13	N/A	-7.55	-8.11	N/A	-9.53	-8.98	N/A	1.95	-2.86
		6825		-10.94	-9.86	N/A	-7.50	-7.84	N/A	-8.74	-8.76	N/A	1.95	-2.71
	8	6985		-9.17	-9.71	N/A	-6.86	-6.92	N/A	-7.96	-8.70	N/A	1.95	-1.93

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 S0			RU Index S18			RU Index S36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	26T	-5.52	-5.26	N/A	-6.23	-6.68	N/A	-7.77	-7.83	N/A	2.01	-0.37
		6185		-6.98	-7.13	N/A	-7.83	-7.88	N/A	-9.24	-9.31	N/A	2.01	-2.03
		6345		-7.12	-7.78	N/A	-7.42	-7.73	N/A	-9.24	-9.55	N/A	1.95	-2.48
	6	6505		-8.59	-7.78	N/A	-7.35	-7.97	N/A	-10.67	-10.16	N/A	1.95	-2.69
		6665		-9.58	-8.86	N/A	-7.88	-8.95	N/A	-11.45	-10.74	N/A	1.95	-3.42
		6825		-9.61	-9.13	N/A	-8.22	-8.05	N/A	-11.79	-11.18	N/A	1.95	-3.17
	8	6985		-8.38	-9.15	N/A	-7.84	-7.33	N/A	-10.09	-11.26	N/A	1.95	-2.62

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 39			RU Index 40				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	52T	-3.04	-2.53	N/A	-2.72	-2.31	N/A	-2.54	-2.63	N/A	2.01	2.510
		6175		-4.62	-4.17	N/A	-4.49	-4.27	N/A	-4.06	-4.04	N/A	2.01	0.970
		6415		-4.60	-5.06	N/A	-4.64	-4.79	N/A	-4.87	-4.99	N/A	1.95	0.246
	6	6435		-5.13	-4.92	N/A	-4.76	-5.09	N/A	-4.90	-4.72	N/A	1.95	0.151
		6475		-5.20	-4.70	N/A	-4.61	-4.77	N/A	-4.65	-5.25	N/A	1.95	0.271
		6515		-5.01	-5.23	N/A	-4.56	-5.06	N/A	-5.27	-5.13	N/A	1.95	0.157
	7	6535		-5.40	-5.63	N/A	-5.75	-6.25	N/A	-5.47	-6.19	N/A	1.95	-0.553
		6695		-6.49	-6.46	N/A	-6.69	-6.36	N/A	-6.44	-5.82	N/A	1.95	-1.159
		6855		-6.17	-5.99	N/A	-5.37	-6.04	N/A	-5.47	-5.65	N/A	1.95	-0.599
	8	6875		-6.25	-6.11	N/A	-5.60	-5.69	N/A	-6.17	-6.06	N/A	1.95	-0.684
		6995		-5.70	-5.08	N/A	-4.91	-4.68	N/A	-5.67	-5.06	N/A	1.95	0.167
		7115		-5.18	-4.74	N/A	-4.83	-4.79	N/A	-8.42	-8.32	N/A	1.95	0.150

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 40			RU Index 44				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	52T	-2.95	-2.84	N/A	-3.32	-2.68	N/A	-3.00	-2.62	N/A	2.01	2.21
		6165		-3.53	-3.97	N/A	-4.22	-4.31	N/A	-4.60	-4.52	N/A	2.01	1.28
		6405		-4.92	-5.10	N/A	-4.26	-4.69	N/A	-4.71	-4.77	N/A	1.95	0.49
	6	6445		-5.20	-4.39	N/A	-4.59	-5.13	N/A	-4.34	-4.96	N/A	1.95	0.32
		6485		-4.88	-4.38	N/A	-5.15	-4.92	N/A	-5.42	-5.24	N/A	1.95	0.34
	7	6525		-5.35	-4.76	N/A	-5.56	-4.78	N/A	-5.20	-5.31	N/A	1.95	-0.08
		6685		-6.33	-6.43	N/A	-5.88	-6.00	N/A	-6.59	-6.04	N/A	1.95	-0.98
		6845		-6.23	-6.27	N/A	-5.78	-6.35	N/A	-5.83	-6.14	N/A	1.95	-1.02
	8	6885		-5.70	-6.14	N/A	-6.08	-6.36	N/A	-5.66	-6.18	N/A	1.95	-0.95
		7005		-5.29	-5.73	N/A	-5.50	-5.80	N/A	-5.34	-5.91	N/A	1.95	-0.54
		7085		-4.48	-5.17	N/A	-4.71	-4.76	N/A	-4.54	-4.81	N/A	1.95	0.29

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	52T	-3.05	-2.87	N/A	-2.24	-2.61	N/A	-3.35	-3.00	N/A	2.01	2.60
		6145		-3.61	-3.80	N/A	-3.41	-3.49	N/A	-4.87	-4.10	N/A	2.01	1.57
		6385		-4.38	-4.78	N/A	-4.38	-4.05	N/A	-4.67	-4.73	N/A	1.95	0.75
	6	6465		-5.32	-4.68	N/A	-4.66	-4.48	N/A	-5.06	-5.51	N/A	1.95	0.39
		6545		-5.54	-5.47	N/A	-5.21	-5.13	N/A	-5.69	-5.50	N/A	1.95	-0.21
		7		6625	-6.51	-6.27	N/A	-6.17	-5.94	N/A	-6.83	-6.06	N/A	1.95
	6705			-6.11	-6.29	N/A	-6.08	-5.93	N/A	-6.73	-6.56	N/A	1.95	-1.04
	6785			-5.72	-5.66	N/A	-5.90	-5.30	N/A	-5.45	-5.68	N/A	1.95	-0.60
	8	6865		-5.92	-5.94	N/A	-5.60	-5.73	N/A	-6.33	-6.76	N/A	1.95	-0.70
		6945		-4.95	-5.34	N/A	-4.37	-4.75	N/A	-5.62	-5.79	N/A	1.95	0.40
		7025		-5.44	-6.18	N/A	-4.66	-5.42	N/A	-5.43	-6.01	N/A	1.95	-0.06

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					
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}			
802.11ax-HE160 (80L)	5	6025	52T	-4.43	-4.56	N/A	-3.57	-3.02	N/A	-2.94	-2.83	N/A	2.01	2.14	
		6185		-5.20	-4.86	N/A	-4.88	-4.74	N/A	-3.96	-4.28	N/A	2.01	0.90	
		6345		-6.07	-6.18	N/A	-5.03	-5.40	N/A	-4.04	-4.23	N/A	1.95	0.83	
	6	6505		-6.33	-6.42	N/A	-5.70	-5.44	N/A	-5.19	-5.18	N/A	1.95	-0.22	
		7		6665	-7.57	-7.48	N/A	-6.47	-6.69	N/A	-6.40	-5.74	N/A	1.95	-1.10
				6825	-7.52	-7.76	N/A	-6.81	-6.45	N/A	-5.71	-6.34	N/A	1.95	-1.05
	8	6985		-6.83	-6.34	N/A	-5.37	-5.91	N/A	-5.02	-5.36	N/A	1.95	-0.23	

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					
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}			
802.11ax-HE160 (80H)	5	6025	52T	-2.55	-2.85	N/A	-3.64	-3.04	N/A	-4.95	-4.64	N/A	2.01	2.32	
		6185		-3.82	-4.11	N/A	-4.82	-4.51	N/A	-6.23	-5.82	N/A	2.01	1.06	
		6345		-4.72	-4.55	N/A	-5.46	-5.51	N/A	-7.02	-6.83	N/A	1.95	0.33	
	6	6505		-4.87	-5.53	N/A	-5.69	-6.04	N/A	-7.79	-7.56	N/A	1.95	-0.23	
		7		6665	-5.92	-6.34	N/A	-7.12	-6.98	N/A	-7.75	-7.81	N/A	1.95	-1.16
				6825	-5.78	-6.23	N/A	-6.70	-6.75	N/A	-7.74	-8.04	N/A	1.95	-1.04
	8	6985		-4.96	-5.70	N/A	-5.75	-6.28	N/A	-7.25	-7.57	N/A	1.95	-0.35	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 54				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	106T	0.11	0.70	N/A	0.53	0.33	N/A	2.01	5.45
		6175		-0.78	-1.28	N/A	-0.72	-0.48	N/A	2.01	4.42
		6415		-1.15	-1.28	N/A	-1.64	-2.28	N/A	1.95	3.75
	6	6435		-1.69	-1.37	N/A	-2.10	-1.26	N/A	1.95	3.43
		6475		-1.61	-1.98	N/A	-1.59	-1.66	N/A	1.95	3.34
		6515		-2.21	-2.39	N/A	-1.87	-1.91	N/A	1.95	3.07
	7	6535		-2.52	-2.67	N/A	-2.80	-3.38	N/A	1.95	2.37
		6695		-3.65	-2.65	N/A	-3.67	-2.58	N/A	1.95	1.87
		6855		-2.95	-2.80	N/A	-2.23	-3.52	N/A	1.95	2.13
	8	6875		-2.49	-3.65	N/A	-2.25	-3.58	N/A	1.95	2.10
		6995		-1.61	-2.93	N/A	-1.67	-2.23	N/A	1.95	3.02
		7115		-2.12	-2.52	N/A	-8.26	-8.60	N/A	1.95	2.64

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 53			RU Index 54			RU Index 56				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	106T	0.21	0.58	N/A	0.41	0.27	N/A	-0.22	0.55	N/A	2.01	5.42
		6165		-1.43	-0.53	N/A	-1.02	-0.38	N/A	-1.35	-0.72	N/A	2.01	4.33
		6405		-1.72	-2.19	N/A	-1.64	-2.02	N/A	-1.74	-2.19	N/A	1.95	3.13
	6	6445		-1.73	-1.67	N/A	-1.29	-1.47	N/A	-2.14	-1.58	N/A	1.95	3.58
		6485		-2.18	-1.33	N/A	-1.36	-1.27	N/A	-1.87	-1.50	N/A	1.95	3.65
	7	6525		-2.21	-1.63	N/A	-1.78	-2.31	N/A	-2.46	-2.55	N/A	1.95	3.05
		6685		-3.65	-2.74	N/A	-3.23	-2.92	N/A	-3.19	-3.02	N/A	1.95	1.89
		6845		-2.37	-3.35	N/A	-2.22	-3.42	N/A	-2.45	-3.56	N/A	1.95	2.18
	8	6885		-2.30	-3.25	N/A	-3.00	-3.27	N/A	-3.02	-3.15	N/A	1.95	2.21
		7005		-2.14	-2.76	N/A	-2.01	-2.92	N/A	-2.92	-2.42	N/A	1.95	2.52
		7085		-1.22	-1.96	N/A	-1.14	-1.70	N/A	-1.37	-2.63	N/A	1.95	3.55

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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 53			RU Index 56			RU Index 60				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	106T	-0.56	-0.42	N/A	-0.68	-0.08	N/A	-0.36	0.07	N/A	2.01	4.88
		6145		-0.56	-0.90	N/A	-0.83	-0.18	N/A	-1.19	-1.00	N/A	2.01	4.53
		6385		-1.10	-1.82	N/A	-1.13	-1.29	N/A	-1.62	-1.24	N/A	1.95	3.75
	6	6465		-2.14	-1.96	N/A	-1.54	-1.67	N/A	-2.07	-2.71	N/A	1.95	3.36
		6545		-2.05	-2.76	N/A	-2.24	-2.35	N/A	-2.76	-3.29	N/A	1.95	2.67
		7		6625	-3.74	-3.04	N/A	-3.45	-2.60	N/A	-3.08	-2.99	N/A	1.95
	6705			-3.07	-3.20	N/A	-2.84	-3.32	N/A	-4.06	-3.85	N/A	1.95	1.89
	6785			-2.72	-2.70	N/A	-2.20	-2.52	N/A	-2.88	-2.96	N/A	1.95	2.60
	8	6865		-2.64	-3.68	N/A	-2.39	-3.09	N/A	-2.66	-3.10	N/A	1.95	2.23
		6945		-1.65	-2.49	N/A	-1.78	-2.04	N/A	-2.15	-2.66	N/A	1.95	3.05
		7025		-2.35	-2.92	N/A	-1.90	-3.05	N/A	-3.13	-3.17	N/A	1.95	2.52

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 53			RU Index 56			RU Index 60					
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}			
802.11ax-HE160 (80L)	5	6025	106T	-1.58	-1.17	N/A	-0.19	-0.06	N/A	0.20	0.12	N/A	2.01	5.18	
		6185		-2.50	-2.19	N/A	-1.41	-1.60	N/A	-1.34	-0.90	N/A	2.01	3.91	
		6345		-2.84	-2.92	N/A	-1.85	-2.24	N/A	-1.29	-1.63	N/A	1.95	3.50	
	6	6505		-3.43	-3.38	N/A	-2.20	-2.67	N/A	-1.84	-2.10	N/A	1.95	2.99	
		7		6665	-5.05	-4.37	N/A	-3.76	-3.84	N/A	-3.28	-2.89	N/A	1.95	1.88
				6825	-4.67	-4.36	N/A	-3.39	-3.27	N/A	-2.54	-3.08	N/A	1.95	2.16
	8	6985		-3.02	-3.90	N/A	-2.57	-2.91	N/A	-1.65	-2.28	N/A	1.95	3.01	

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 S53			RU Index S56			RU Index S60					
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}			
802.11ax-HE160 (80H)	5	6025	106T	0.33	0.08	N/A	-0.63	-0.02	N/A	-2.02	-1.65	N/A	2.01	5.23	
		6185		-1.4	-0.82	N/A	-1.72	-1.38	N/A	-3.51	-3.05	N/A	2.01	3.92	
		6345		-1.34	-1.8	N/A	-1.7	-1.99	N/A	-3.33	-3.7	N/A	1.95	3.40	
	6	6505		-2.17	-2.24	N/A	-2.34	-2.49	N/A	-3.95	-4.17	N/A	1.95	2.76	
		7		6665	-3.3	-2.85	N/A	-3.63	-3.39	N/A	-5.45	-4.83	N/A	1.95	1.89
				6825	-3	-3.37	N/A	-3.22	-3.56	N/A	-4.53	-5.13	N/A	1.95	1.78
	8	6985		-2.03	-2.64	N/A	-2.77	-3.11	N/A	-4.04	-4.49	N/A	1.95	2.64	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE20	5	5955	242T	3.32	2.44	N/A	2.01	7.92
		6175		3.06	2.35	N/A	2.01	7.74
		6415		2.82	2.1	N/A	1.95	7.44
	6	6435		1.93	1.47	N/A	1.95	6.67
		6475		2.8	2.02	N/A	1.95	7.39
		6515		2.22	2	N/A	1.95	7.07
	7	6535		-0.19	0.11	N/A	1.95	4.92
		6695		-0.86	-0.2	N/A	1.95	4.44
		6855		-0.31	-0.27	N/A	1.95	4.67
	8	6875		0.02	-0.35	N/A	1.95	4.80
		6995		0.41	0.15	N/A	1.95	5.24
		7115		-2.89	-3.27	N/A	1.95	1.88

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 61			RU Index 62				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE40	5	5965	242T	2.91	2.61	N/A	2.6	2.21	N/A	2.01	7.78
		6165		2.44	2.3	N/A	2.65	2.04	N/A	2.01	7.39
		6405		2.24	2.14	N/A	2.23	1.39	N/A	1.95	7.15
	6	6445		1.94	1.79	N/A	1.98	1.76	N/A	1.95	6.83
		6485		1.86	1.12	N/A	1.81	1.37	N/A	1.95	6.56
	7	6525		1.81	1.75	N/A	3.01	2.12	N/A	1.95	7.55
		6685		-0.16	-0.9	N/A	-0.32	-0.64	N/A	1.95	4.48
		6845		-0.21	-0.77	N/A	0.09	-0.67	N/A	1.95	4.69
	8	6885		-0.3	-0.47	N/A	-0.08	-0.4	N/A	1.95	4.72
		7005		0.27	-0.24	N/A	0.44	-0.32	N/A	1.95	5.04
		7085		0.85	0.51	N/A	0.7	-0.14	N/A	1.95	5.64

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	242T	2.43	2.23	N/A	2.65	2.13	N/A	2.63	2.28	N/A	2.01	7.48
		6145		2.03	1.99	N/A	2.37	1.85	N/A	2.32	1.92	N/A	2.01	7.14
		6385		2.41	1.95	N/A	2.57	2.12	N/A	2.71	2.09	N/A	1.95	7.37
	6	6465		1.54	0.75	N/A	2.76	2.19	N/A	1.45	0.94	N/A	1.95	7.44
		6545		1.95	1.65	N/A	2.73	2.51	N/A	2.49	1.96	N/A	1.95	7.58
	7	6625		-0.68	-0.47	N/A	-0.49	-0.19	N/A	2.25	1.7	N/A	1.95	6.94
		6705		-0.61	-0.39	N/A	-0.06	-0.25	N/A	-0.5	-1.07	N/A	1.95	4.81
		6785		-0.02	-0.22	N/A	0.7	0.63	N/A	0.28	0.29	N/A	1.95	5.63
	8	6865		0.32	-0.4	N/A	0.25	-0.14	N/A	-0.1	-0.49	N/A	1.95	5.02
		6945		0.49	0.28	N/A	1.06	0.85	N/A	0.81	0.49	N/A	1.95	5.92
		7025		-0.28	-0.55	N/A	0.28	0.03	N/A	-0.44	-0.6	N/A	1.95	5.12

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 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	242T	2.94	2.37	N/A	3.32	2.95	N/A	2.93	2.31	N/A	2.01	8.16
		6185		2.6	2.24	N/A	3.27	2.6	N/A	2.72	2.31	N/A	2.01	7.97
		6345		2.83	2.33	N/A	2.63	2.45	N/A	2.36	1.89	N/A	1.95	7.55
	6	6505		2.18	1.65	N/A	3.19	2.92	N/A	2.09	1.5	N/A	1.95	8.02
		6665		-0.65	-0.96	N/A	0.17	0.59	N/A	0.78	1.2	N/A	1.95	5.96
	7	6825		0.04	-0.63	N/A	0.88	0.17	N/A	1.3	0.61	N/A	1.95	5.93
		6985		0.48	-0.04	N/A	0.86	0.7	N/A	1.76	1.12	N/A	1.95	6.41

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 S61			RU Index S62			RU Index S64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	242T	2.48	2.08	N/A	3.25	2.72	N/A	2.52	2.74	N/A	2.01	8.01
		6185		3.18	2.62	N/A	3.06	2.71	N/A	3.04	2.64	N/A	2.01	7.93
		6345		2.56	2.19	N/A	2.24	1.68	N/A	2.49	2.03	N/A	1.95	7.34
	6	6505		2.5	1.95	N/A	2.99	2.24	N/A	2.89	2.48	N/A	1.95	7.65
		6665		1.07	0.61	N/A	-0.75	-1.05	N/A	-0.72	-0.97	N/A	1.95	5.81
	7	6825		0.97	0.76	N/A	0.96	0.77	N/A	-0.15	-0.59	N/A	1.95	5.83
		6985		1.55	0.94	N/A	1.82	1.34	N/A	0.22	-0.18	N/A	1.95	6.55

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE40	5	5965	484T	5.88	5.55	N/A	2.01	10.74
		6165		5.73	4.89	N/A	2.01	10.35
		6405		5.8	5.24	N/A	1.95	10.49
	6	6445		5.29	4.94	N/A	1.95	10.08
		6485		6.07	5.35	N/A	1.95	10.69
		7		6525	6.02	4.88	N/A	1.95
	6685			5.01	4.15	N/A	1.95	9.56
	6845			5.51	4.74	N/A	1.95	10.10
	8	6885		5.15	4.44	N/A	1.95	9.77
		7005		5.15	4.29	N/A	1.95	9.70
		7085		4.68	4.19	N/A	1.95	9.40

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 65			RU Index 66				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	484T	5.33	4.83	N/A	5.64	4.59	N/A	2.01	10.17
		6145		5.02	5	N/A	5.41	5.19	N/A	2.01	10.32
		6385		5.91	4.95	N/A	5.07	4.37	N/A	1.95	10.42
	6	6465		5.78	5.11	N/A	5.22	4.45	N/A	1.95	10.42
		6545		5.37	5.1	N/A	5.2	5.16	N/A	1.95	10.20
		7		6625	5.08	3.66	N/A	5.17	4.48	N/A	1.95
	6705			5.18	4.15	N/A	4.67	3.81	N/A	1.95	9.66
	6785			4.61	3.84	N/A	5.03	3.94	N/A	1.95	9.48
	8	6865		4.87	4.4	N/A	4.7	4.01	N/A	1.95	9.60
		6945		4.57	3.53	N/A	4.39	4.05	N/A	1.95	9.18
		7025		5.08	4.18	N/A	5.03	3.96	N/A	1.95	9.61

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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 65			RU Index 66				
				AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80L)	5	6025	484T	5.9	5.22	N/A	6.37	5.75	N/A	2.01	11.09
		6185		6.15	5.29	N/A	5.42	4.85	N/A	2.01	10.76
		6345		6.04	5.35	N/A	5.96	4.82	N/A	1.95	10.67
	6	6505		5.48	5.47	N/A	6.13	5.07	N/A	1.95	10.59
		7		6665	5.13	3.92	N/A	5.57	4.26	N/A	1.95
	7			6825	5.62	4.52	N/A	5.54	4.47	N/A	1.95
		8		6985	5.38	3.63	N/A	5.29	4.18	N/A	1.95

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 S65			RU Index S66				
				AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80H)	5	6025	484T	5.85	5.06	N/A	6.14	5.51	N/A	2.01	10.86
		6185		6.23	5.62	N/A	6.25	4.81	N/A	2.01	10.96
		6345		5.58	4.57	N/A	5.59	5.23	N/A	1.95	10.37
	6	6505		5.42	4.75	N/A	6.11	4.91	N/A	1.95	10.51
		7		6665	5.4	3.9	N/A	4.69	4.33	N/A	1.95
	7			6825	5.33	3.88	N/A	5.06	4.33	N/A	1.95
		8		6985	5.42	4.47	N/A	5.27	3.8	N/A	1.95

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 67				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	996T	8.66	8.21	N/A	2.01	13.46
		6145		8.3	7.94	N/A	2.01	13.14
		6385		8.38	7.81	N/A	1.95	13.06
	6	6465		7.91	7.33	N/A	1.95	12.59
		6545		7.92	7.57	N/A	1.95	12.71
	7	6625		7.8	7.06	N/A	1.95	12.41
		6705		7.72	7.2	N/A	1.95	12.43
		6785		7.62	7.27	N/A	1.95	12.41
	8	6865		7.21	6.71	N/A	1.95	11.93
		6945		7.11	6.82	N/A	1.95	11.93
		7025		7.07	6.85	N/A	1.95	11.92

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 67			RU Index S67				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160	5	6025	996T	8.3	8.07	N/A	7.86	7.7	N/A	2.01	13.21
		6185		7.97	7.9	N/A	8.32	7.99	N/A	2.01	13.18
		6345		8.28	8.07	N/A	8.17	7.72	N/A	1.95	13.14
	6	6505		7.68	7.37	N/A	7.71	7.51	N/A	1.95	12.57
		6665		7.74	6.96	N/A	7.68	7.11	N/A	1.95	12.36
	7	6825		7.51	7.08	N/A	7.07	6.56	N/A	1.95	12.26
		6985		6.98	6.7	N/A	6.91	6.75	N/A	1.95	11.80

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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

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

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.7/10} + 10^{2.3/10})/2] = 2.01\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.0/10})/2] = 1.95\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{2.0/10} + 10^{1.9/10})/2] = 1.95\text{dBi}$$

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.

A.4.2 Measurement Plots

- OFDM Modulation















