

A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2022/01/07	Temp./Hum.	17°C/69%
Cable Loss	1.90dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Conducted Output Power Result

● OFDM Modulation

Mode	U-NII Band	Centre Frequency (MHz)	Average Conducted Output Power (dBm)	Duty Cycle Factor [10log(1/x)] Note3	Antenna Gain (dBi)	Max E.I.R.P ^{Note2}		Limit (dBm)		
			ANT A (AUX)			(dBm)	(W)			
802.11a	5	5955	5.05	N/A	-2.7	2.35	0.002	< 250 mW (24 dBm)		
		6175	4.95			2.25	0.002			
		6415	5.11			2.41	0.002			
	6	6435	5.01			2.31	0.002			
		6475	5.05			2.35	0.002			
		6515	5.03			2.33	0.002			
	7	6535	4.23		1.23	0.001				
		6695	4.11		1.11	0.001				
		6855	4.15		1.15	0.001				
	8	6875	4.26		1.26	0.001				
		6995	4.07		1.07	0.001				
		7115	-1.02		-0.92	0.001				
							0.1			

Mode	U-NII Band	Centre Frequency (MHz)	Average Conducted Output Power (dBm)	Duty Cycle Factor [10log(1/x)] Note3	Antenna Gain (dBi)	Max E.I.R.P ^{Note2}		Limit (dBm)		
			ANT B (Main)			(dBm)	(W)			
802.11a	5	5955	5.11	N/A	1.3	6.41	0.004	< 250 mW (24 dBm)		
		6175	4.98			6.28	0.004			
		6415	4.92			6.22	0.004			
	6	6435	4.88			6.18	0.004			
		6475	4.90			6.20	0.004			
		6515	4.89			6.19	0.004			
	7	6535	4.14			5.24	0.003			
		6695	3.72			4.82	0.003			
		6855	3.87			4.97	0.003			
	8	6875	3.80		4.90	0.003				
		6995	4.08		5.18	0.003				
		7115	-1.35		2.05	0.002				
							3.4			

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

2. E.I.R.P(dBm) = Average Conducted Output Power (dBm) + Duty Cycle Factor + Antenna Gain (dBi).

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

4. 802.11a is support SISO Mode doesn't sum power.

Mode	U-NII Band	Centre Frequency (MHz)	Average Conducted Output Power (dBm)		Duty Cycle Factor [10log(1/x)] Note 3	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P ^{Note 2}		Limit (dBm)		
			ANT A (AUX)	ANT B (Main)			(dBm)	(W)			
802.11n-HT20	5	5955	1.98	1.66	N/A	-0.25	4.58	0.003	< 250 mW (24 dBm)		
		6175	1.86	1.57		-0.25	4.48	0.003			
		6415	1.97	1.51		-0.25	4.51	0.003			
	6	6435	1.91	1.44		-0.25	4.44	0.003			
		6475	2.01	1.51		-0.25	4.53	0.003			
		6515	1.88	1.53		-0.25	4.47	0.003			
	7	6535	-1.08	-1.96		-0.48	1.03	0.001			
		6695	-0.50	-1.46		-0.48	1.58	0.001			
		6855	0.33	0.53		-0.48	2.96	0.002			
	8	6875	0.15	0.82		-0.48	3.03	0.002			
		6995	0.45	0.75		-0.48	3.13	0.002			
		7115	-5.00	-4.88		2.06	0.13	0.001			
	802.11n-HT40	5	5965	5.90		5.94	-0.25	8.68		0.007	< 250 mW (24 dBm)
			6165	5.69		6.04	-0.25	8.63		0.007	
			6405	5.84		5.86	-0.25	8.61		0.007	
6		6445	5.88	5.52	-0.25	8.46	0.007				
		6485	5.91	5.60	-0.25	8.52	0.007				
		6525	5.88	5.61	-0.25	8.51	0.007				
7		6685	4.92	4.70	-0.48	7.57	0.006				
		6845	5.06	5.01	-0.48	7.80	0.006				
		6885	5.15	4.92	-0.48	7.80	0.006				
8		7005	5.02	5.15	-0.48	7.85	0.006				
		7085	4.98	4.87	2.06	7.69	0.006				
		5985	7.87	7.72	-0.25	10.56	0.011				
802.11ac-VHT80		5	6145	7.57	7.25	-0.25	10.17	0.010	< 250 mW (24 dBm)		
			6385	7.69	7.74	-0.25	10.48	0.011			
			6465	7.40	7.37	-0.25	10.15	0.010			
	6	6545	7.74	7.70	-0.48	10.48	0.011				
		6625	7.20	7.07	-0.48	9.90	0.010				
		6705	7.01	7.10	-0.48	9.82	0.010				
	7	6785	6.78	6.80	-0.48	9.55	0.009				
		6865	6.57	6.70	-0.48	9.40	0.009				
		6945	6.81	6.66	-0.48	9.50	0.009				
	8	7025	6.68	6.74	2.06	9.47	0.009				
		6025	10.65	10.59	-0.25	13.38	0.022	< 250 mW (24 dBm)			
		6185	10.55	10.72	-0.25	13.40	0.022				
	6345	10.91	10.90	-0.25	13.67	0.023					
	6	6505	10.67	10.76	-0.25	13.48	0.022				
		6665	10.15	10.01	-0.48	12.84	0.019				
6825		9.82	9.77	-0.48	12.56	0.018					
7	6985	9.85	9.71	2.06	12.54	0.018					
	6025	10.65	10.59	-0.25	13.38	0.022					
	6185	10.55	10.72	-0.25	13.40	0.022					
8	6345	10.91	10.90	-0.25	13.67	0.023					
	6505	10.67	10.76	-0.25	13.48	0.022					
	6665	10.15	10.01	-0.48	12.84	0.019					
7	6825	9.82	9.77	-0.48	12.56	0.018					
	6985	9.85	9.71	2.06	12.54	0.018					

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

2. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: } 5925\text{MHz: } \text{Directional gain} = 10 \log((10^{1.3/10} + 10^{-2.7/10})/2) = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log((10^{1.1/10} + 10^{-3.0/10})/2) = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log((10^{3.4/10} + 10^{0.1/10})/2) = 2.06\text{dBi}$$

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

Mode	U-NII Band	Centre Frequency (MHz)	Average Conducted Output Power (dBm)		Duty Cycle Factor [10log(1/x)] Note 3	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P. ^{Note 2}		Limit (dBm)
			ANT A (AUX)	ANT B (Main)			(dBm)	(W)	
802.11ax-HE20	5	5955	2.13	2.36	N/A	-0.25	5.01	0.003	< 250 mW (24 dBm)
		6175	1.99	2.36		-0.25	4.94	0.003	
		6415	2.05	2.11		-0.25	4.84	0.003	
	6	6435	2.03	2.07		-0.25	4.81	0.003	
		6475	2.04	2.09		-0.25	4.83	0.003	
		6515	2.01	2.03		-0.25	4.78	0.003	
	7	6535	-0.96	-0.93		-0.48	1.82	0.002	
		6695	-0.35	-0.11		-0.48	2.53	0.002	
		6855	0.40	1.1		-0.48	3.52	0.002	
	8	6875	0.35	0.86		-0.48	3.37	0.002	
		6995	0.50	0.38		-0.48	3.20	0.002	
		7115	-4.95	-5.34		2.06	-2.38	0.001	
802.11ax-HE40	5	5965	5.44	5.22	N/A	-0.25	8.09	0.006	< 250 mW (24 dBm)
		6165	5.31	5.22		-0.25	8.03	0.006	
		6405	5.40	5.23		-0.25	8.08	0.006	
	6	6445	5.46	5.21		-0.25	8.10	0.006	
		6485	5.57	5.25		-0.25	8.17	0.007	
		6525	5.50	5.29		-0.25	8.16	0.007	
	7	6685	4.44	4.15		-0.48	7.06	0.005	
		6845	4.66	4.28		-0.48	7.23	0.005	
		6885	4.71	4.22		-0.48	7.23	0.005	
	8	7005	4.61	4.52		-0.48	7.33	0.005	
		7085	4.60	4.31		2.06	7.22	0.005	
		7085	4.60	4.31		2.06	7.22	0.005	
802.11ax-HE80	5	5985	7.56	7.46	N/A	-0.25	10.27	0.011	< 250 mW (24 dBm)
		6145	7.24	6.96		-0.25	9.86	0.010	
		6385	7.42	7.42		-0.25	10.18	0.010	
	6	6465	7.09	7.10		-0.25	9.86	0.010	
		6545	7.43	7.42		-0.48	10.19	0.010	
		6625	6.87	6.80		-0.48	9.60	0.009	
	7	6705	6.68	6.78		-0.48	9.49	0.009	
		6785	6.45	6.56		-0.48	9.27	0.008	
		6865	6.30	6.41		-0.48	9.12	0.008	
	8	6945	6.55	6.42		-0.48	9.25	0.008	
		7025	6.40	6.43		2.06	9.18	0.008	
		7025	6.40	6.43		2.06	9.18	0.008	
802.11ax-HE160	5	6025	10.37	10.44	N/A	-0.25	13.17	0.021	< 250 mW (24 dBm)
		6185	10.36	10.57		-0.25	13.23	0.021	
		6345	10.63	10.66		-0.25	13.41	0.022	
	6	6505	10.41	10.60		-0.25	13.27	0.021	
		6665	9.96	9.81		-0.48	12.65	0.018	
		6825	9.55	9.61		-0.48	12.34	0.017	
	6985	9.61	9.50	2.06		12.32	0.017		

Note: 1. All results have been included cable loss.
 2. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain
 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
 Directional gain = 10 log[(10^{G1/10} + 10^{G2/10} + ... + 10^{GNT/10})/N_{ANT}] dBi
 Directional gain: 5925MHz: Directional gain = 10 log[(10^{1.3/10} + 10^{-2.7/10})/2] = -0.25dBi
 6525MHz: Directional gain = 10 log[(10^{1.1/10} + 10^{-3.0/10})/2] = -0.48dBi
 7125MHz: Directional gain = 10 log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06dBi
 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)												Max EIRP (dBm)
				RU Index 0				RU Index 4				RU Index 8				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE20	5	5955	26T	-7.37	-6.76	-0.25	-4.29	-7.12	-6.62	-0.25	-4.10	-7.23	-6.77	-0.25	-4.23	-4.10
		6175		-7.60	-6.90	-0.25	-4.48	-7.50	-6.56	-0.25	-4.24	-7.64	-6.86	-0.25	-4.47	-4.24
		6415		-8.35	-7.82	-0.25	-5.32	-8.23	-7.79	-0.25	-5.24	-8.65	-8.13	-0.25	-5.62	-5.24
	6	6435		-8.07	-7.80	-0.25	-5.17	-8.02	-7.76	-0.25	-5.13	-8.34	-7.91	-0.25	-5.36	-5.13
		6475		-8.35	-8.21	-0.25	-5.52	-8.19	-8.03	-0.25	-5.35	-8.46	-8.50	-0.25	-5.72	-5.35
		6515		-8.72	-8.62	-0.25	-5.91	-8.58	-8.64	-0.25	-5.85	-8.78	-8.80	-0.25	-6.03	-5.85
	7	6535		-9.56	-9.58	-0.48	-7.04	-9.28	-9.51	-0.48	-6.86	-9.53	-9.85	-0.48	-7.16	-6.86
		6695		-9.08	-8.92	-0.48	-6.47	-8.73	-8.58	-0.48	-6.12	-8.92	-8.84	-0.48	-6.35	-6.12
		6855		-8.54	-7.96	-0.48	-5.71	-8.31	-7.80	-0.48	-5.52	-8.67	-7.98	-0.48	-5.78	-5.52
	8	6875		-8.85	-8.10	-0.48	-5.93	-8.74	-7.90	-0.48	-5.77	-9.09	-8.20	-0.48	-6.09	-5.77
		6995		-7.97	-7.88	-0.48	-5.39	-7.84	-7.71	-0.48	-5.24	-8.16	-8.05	-0.48	-5.57	-5.24
		7115		-8.28	-7.77	2.06	-2.95	-8.15	-7.58	2.06	-2.79	-8.22	-8.45	2.06	-3.26	-2.79

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 0				RU Index 8				RU Index 17				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE40	5	5965	26T	-7.43	-6.55	-0.25	-4.21	-7.55	-6.72	-0.25	-4.35	-7.55	-6.76	-0.25	-4.38	-4.21
		6165		-7.68	-6.80	-0.25	-4.46	-7.83	-6.98	-0.25	-4.62	-7.74	-6.75	-0.25	-4.46	-4.46
		6405		-8.08	-7.91	-0.25	-5.23	-8.46	-7.90	-0.25	-5.41	-8.65	-8.22	-0.25	-5.67	-5.23
	6	6445		-8.09	-7.71	-0.25	-5.14	-8.12	-7.74	-0.25	-5.17	-8.22	-8.10	-0.25	-5.40	-5.14
		6485		-8.08	-7.64	-0.25	-5.09	-8.26	-7.83	-0.25	-5.28	-8.40	-8.08	-0.25	-5.48	-5.09
		6525		-8.30	-7.97	-0.25	-5.37	-8.42	-8.14	-0.25	-5.52	-8.39	-8.17	-0.25	-5.52	-5.37
	7	6685		-9.03	-8.71	-0.48	-6.34	-9.17	-8.85	-0.48	-6.48	-8.98	-8.77	-0.48	-6.34	-6.34
		6845		-8.93	-8.15	-0.48	-5.99	-8.93	-8.23	-0.48	-6.04	-8.76	-8.29	-0.48	-5.99	-5.99
		6885		-8.99	-8.33	-0.48	-6.12	-8.98	-8.53	-0.48	-6.22	-9.06	-8.70	-0.48	-6.35	-6.12
	8	7005		-8.25	-8.07	-0.48	-5.63	-8.30	-8.32	-0.48	-5.78	-8.40	-7.89	-0.48	-5.61	-5.61
		7085		-8.08	-7.93	2.06	-2.93	-8.18	-8.05	2.06	-3.04	-8.22	-7.62	2.06	-2.84	-2.84

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 0				RU Index 18				RU Index 36				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE80	5	5985	26T	-7.61	-7.05	-0.25	-4.56	-6.85	-6.61	-0.25	-3.97	-7.84	-7.29	-0.25	-4.80	-3.97
		6145		-8.27	-7.60	-0.25	-5.16	-6.83	-6.83	-0.25	-4.07	-8.32	-7.71	-0.25	-5.24	-4.07
		6385		-7.91	-7.83	-0.25	-5.11	-7.67	-7.38	-0.25	-4.76	-8.71	-7.96	-0.25	-5.56	-4.76
	6	6465		-8.09	-7.79	-0.25	-5.18	-7.68	-7.17	-0.25	-4.66	-8.63	-8.09	-0.25	-5.59	-4.66
		6545		-8.71	-7.95	-0.48	-5.78	-8.20	-7.74	-0.48	-5.43	-9.18	-8.54	-0.48	-6.32	-5.43
		6625		-9.55	-8.77	-0.48	-6.61	-8.85	-8.10	-0.48	-5.93	-9.38	-8.85	-0.48	-6.58	-5.93
	7	6705		-9.28	-8.84	-0.48	-6.52	-8.66	-8.31	-0.48	-5.95	-9.24	-8.80	-0.48	-6.48	-5.95
		6785		-8.49	-8.22	-0.48	-5.82	-7.74	-7.59	-0.48	-5.13	-8.46	-8.06	-0.48	-5.73	-5.13
		6865		-8.44	-8.19	-0.48	-5.78	-7.91	-7.41	-0.48	-5.12	-8.76	-8.26	-0.48	-5.97	-5.12
	8	6945		-8.34	-7.09	-0.48	-5.14	-7.10	-6.57	-0.48	-4.30	-7.98	-7.48	-0.48	-5.19	-4.30
		7025		-8.01	-7.50	2.06	-2.68	-7.62	-6.82	2.06	-2.13	-8.47	-7.82	2.06	-3.06	-2.13

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

4. 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: $10 \log((10^{1.3/10} + 10^{2.7/10})/2) = -0.25$ dBi

6525MHz: $10 \log((10^{1.1/10} + 10^{3.0/10})/2) = -0.48$ dBi

7125MHz: $10 \log((10^{3.4/10} + 10^{0.1/10})/2) = 2.06$ 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).

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Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 0				RU Index 18				RU Index 36				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80L)	5	6025	26T	-8.16	-8.28	-0.25	-5.46	-6.85	-6.95	-0.25	-4.14	-7.23	-6.93	-0.25	-4.32	-4.14
		6185		-8.22	-8.30	-0.25	-5.50	-6.94	-6.99	-0.25	-4.20	-7.24	-6.99	-0.25	-4.35	-4.20
		6345		-8.99	-8.82	-0.25	-6.14	-7.54	-7.62	-0.25	-4.82	-8.31	-7.66	-0.25	-5.21	-4.82
	6	6505		-9.49	-9.04	-0.25	-6.50	-8.26	-7.84	-0.25	-5.28	-8.04	-7.77	-0.25	-5.14	-5.14
		6665		-11.03	-10.22	-0.48	-8.08	-9.48	-9.02	-0.48	-6.71	-9.17	-8.76	-0.48	-6.43	-6.43
	7	6825		-10.09	-9.82	-0.48	-7.42	-8.50	-8.62	-0.48	-6.03	-8.04	-8.16	-0.48	-5.57	-5.57
		6985		-8.80	-8.43	2.06	-3.54	-7.64	-7.13	2.06	-2.31	-8.46	-7.27	2.06	-2.75	-2.31

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index S0				RU Index S18				RU Index S36				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80H)	5	6025	26T	-7.29	-6.94	-0.25	-4.35	-6.88	-7.06	-0.25	-4.21	-8.48	-8.56	-0.25	-5.76	-4.21
		6185		-7.32	-7.07	-0.25	-4.43	-7.01	-7.15	-0.25	-4.32	-8.56	-8.62	-0.25	-5.83	-4.32
		6345		-8.46	-7.71	-0.25	-5.31	-8.19	-7.94	-0.25	-5.30	-9.86	-9.61	-0.25	-6.97	-5.30
	6	6505		-8.17	-7.85	-0.25	-5.25	-8.83	-8.54	-0.25	-5.92	-10.40	-10.07	-0.25	-7.47	-5.25
		6665		-9.02	-8.85	-0.48	-6.40	-9.43	-9.15	-0.48	-6.76	-10.81	-10.54	-0.48	-8.14	-6.40
	7	6825		-8.18	-8.16	-0.48	-5.64	-8.39	-8.47	-0.48	-5.90	-9.94	-9.85	-0.48	-7.36	-5.64
		6985		-7.59	-7.28	2.06	-2.36	-8.15	-7.49	2.06	-2.74	-9.74	-9.17	2.06	-4.38	-2.36

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: } 5925\text{MHz: } \text{Directional gain} = 10 \log((10^{1.3/10} + 10^{-2.7/10})/2) = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log((10^{1.1/10} + 10^{-3.0/10})/2) = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log((10^{3.4/10} + 10^{0.1/10})/2) = 2.06\text{dBi}$$

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

Tones: 52T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)										Max EIRP (dBm)		
				RU Index 37				RU Index 39				RU Index 40				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)		Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3
802.11ax-HE20	5	5955	52T	-3.94	-3.52	-0.25	-0.96	-3.77	-3.44	-0.25	-0.84	-4.00	-3.58	-0.25	-1.07	-0.84
		6175		-4.36	-4.15	-0.25	-1.49	-4.44	-4.08	-0.25	-1.50	-4.48	-4.18	-0.25	-1.57	-1.49
		6415		-5.74	-4.67	-0.25	-2.41	-5.83	-4.79	-0.25	-2.52	-5.93	-4.97	-0.25	-2.66	-2.41
	6	6435		-5.46	-4.47	-0.25	-2.18	-5.31	-4.48	-0.25	-2.11	-5.36	-4.45	-0.25	-2.12	-2.11
		6475		-5.73	-4.63	-0.25	-2.38	-5.62	-4.69	-0.25	-2.37	-5.66	-4.73	-0.25	-2.41	-2.37
		6515		-5.97	-4.92	-0.25	-2.65	-5.91	-5.05	-0.25	-2.70	-5.98	-5.17	-0.25	-2.80	-2.65
	7	6535		-6.77	-5.97	-0.48	-3.82	-6.78	-6.12	-0.48	-3.91	-6.97	-6.11	-0.48	-3.99	-3.82
		6695		-6.69	-6.16	-0.48	-3.89	-6.55	-6.13	-0.48	-3.80	-6.64	-6.20	-0.48	-3.88	-3.80
		6855		-5.69	-5.53	-0.48	-3.08	-5.68	-5.33	-0.48	-2.97	-5.72	-5.53	-0.48	-3.09	-2.97
	8	6875		-5.71	-5.52	-0.48	-3.08	-5.76	-5.30	-0.48	-2.99	-5.92	-5.46	-0.48	-3.15	-2.99
		6995		-5.16	-4.12	-0.48	-2.08	-5.13	-4.15	-0.48	-2.08	-5.24	-4.33	-0.48	-2.23	-2.08
		7115		-4.86	-4.61	2.06	0.34	-4.72	-4.52	2.06	0.45	-8.23	-8.00	2.06	-3.04	0.45

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)										Max EIRP (dBm)		
				RU Index 37				RU Index 40				RU Index 44				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)		Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3
802.11ax-HE40	5	5965	52T	-4.00	-3.70	-0.25	-1.09	-4.11	-3.79	-0.25	-1.19	-4.06	-3.76	-0.25	-1.15	-1.09
		6165		-4.45	-4.41	-0.25	-1.67	-4.59	-4.36	-0.25	-1.71	-4.53	-4.33	-0.25	-1.67	-1.67
		6405		-5.44	-4.44	-0.25	-2.15	-5.56	-4.79	-0.25	-2.40	-5.84	-4.95	-0.25	-2.61	-2.15
	6	6445		-5.34	-4.49	-0.25	-2.13	-5.54	-4.54	-0.25	-2.25	-5.49	-4.59	-0.25	-2.26	-2.13
		6485		-5.61	-4.65	-0.25	-2.34	-5.86	-4.77	-0.25	-2.52	-5.87	-4.94	-0.25	-2.62	-2.34
		6525		-5.99	-5.14	-0.25	-2.78	-5.97	-5.11	-0.25	-2.76	-6.21	-5.25	-0.25	-2.94	-2.76
	7	6685		-6.81	-6.08	-0.48	-3.90	-6.77	-6.14	-0.48	-3.91	-6.82	-6.29	-0.48	-4.02	-3.90
		6845		-5.69	-5.41	-0.48	-3.02	-5.79	-5.58	-0.48	-3.15	-5.80	-5.55	-0.48	-3.14	-3.02
		6885		-5.91	-5.58	-0.48	-3.21	-5.94	-5.48	-0.48	-3.17	-6.14	-5.59	-0.48	-3.33	-3.17
	8	7005		-5.37	-4.25	-0.48	-2.24	-5.28	-4.46	-0.48	-2.32	-5.50	-4.67	-0.48	-2.53	-2.24
		7085		-4.62	-4.19	2.06	0.67	-4.62	-4.41	2.06	0.56	-4.86	-4.51	2.06	0.39	0.67

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)										Max EIRP (dBm)		
				RU Index 37				RU Index 44				RU Index 52				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)		Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3
802.11ax-HE80	5	5985	52T	-4.34	-3.90	-0.25	-1.35	-3.86	-3.64	-0.25	-0.99	-4.37	-4.19	-0.25	-1.52	-0.99
		6145		-4.80	-4.44	-0.25	-1.86	-4.27	-4.18	-0.25	-1.46	-4.92	-4.73	-0.25	-2.06	-1.46
		6385		-5.56	-4.91	-0.25	-2.46	-5.50	-4.60	-0.25	-2.27	-6.41	-5.46	-0.25	-3.15	-2.27
	6	6465		-5.73	-4.87	-0.25	-2.52	-5.50	-4.53	-0.25	-2.23	-6.38	-5.33	-0.25	-3.06	-2.23
		6545		-6.28	-5.33	-0.48	-3.25	-6.10	-5.15	-0.48	-3.07	-6.69	-6.10	-0.48	-3.85	-3.07
		6625		-7.26	-6.07	-0.48	-4.09	-6.76	-5.85	-0.48	-3.75	-7.15	-6.36	-0.48	-4.21	-3.75
	7	6705		-7.10	-6.41	-0.48	-4.21	-6.59	-6.02	-0.48	-3.77	-7.20	-6.50	-0.48	-4.31	-3.77
		6785		-6.05	-5.81	-0.48	-3.40	-5.49	-5.27	-0.48	-2.85	-6.08	-5.72	-0.48	-3.37	-2.85
		6865		-5.96	-5.86	-0.48	-3.38	-5.67	-5.25	-0.48	-2.92	-6.35	-5.91	-0.48	-3.59	-2.92
	8	6945		-4.91	-4.43	-0.48	-2.13	-4.62	-3.87	-0.48	-1.70	-5.54	-4.52	-0.48	-2.47	-1.70
		7025		-5.45	-4.64	2.06	0.04	-5.29	-4.34	2.06	0.28	-6.04	-5.33	2.06	-0.60	0.28

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: 5925MHz: } \text{Directional gain} = 10 \log[(10^{1.3/10} + 10^{2.7/10})/2] = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log[(10^{1.1/10} + 10^{3.0/10})/2] = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06\text{dBi}$$

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

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Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 37				RU Index 44				RU Index 52				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80L)	5	6025	52T	-5.65	-5.15	-0.25	-2.63	-4.50	-4.13	-0.25	-1.55	-3.97	-3.62	-0.25	-1.03	-1.03
		6185		-5.68	-5.19	-0.25	-2.67	-4.60	-4.27	-0.25	-1.67	-4.11	-3.80	-0.25	-1.19	-1.19
		6345		-6.47	-6.19	-0.25	-3.57	-5.48	-4.94	-0.25	-2.44	-5.02	-4.36	-0.25	-1.92	-1.92
	6	6505		-7.21	-6.17	-0.25	-3.90	-6.20	-5.11	-0.25	-2.86	-5.68	-4.78	-0.25	-2.45	-2.45
		6665		-8.74	-7.47	-0.48	-5.53	-7.41	-6.45	-0.48	-4.37	-6.69	-6.00	-0.48	-3.80	-3.80
	7	6825		-7.58	-7.16	-0.48	-4.83	-6.32	-5.87	-0.48	-3.56	-5.59	-5.38	-0.48	-2.95	-2.95
		6985		-6.48	-5.56	2.06	-0.93	-5.26	-4.34	2.06	0.29	-5.03	-3.93	2.06	0.63	0.63

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index S37				RU Index S44				RU Index S52				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80H)	5	6025	52T	-3.86	-3.63	-0.25	-0.98	-4.51	-4.35	-0.25	-1.67	-6.07	-5.72	-0.25	-3.13	-0.98
		6185		-3.87	-3.75	-0.25	-1.05	-4.70	-4.41	-0.25	-1.79	-6.24	-5.91	-0.25	-3.31	-1.05
		6345		-4.98	-4.32	-0.25	-1.88	-5.80	-4.97	-0.25	-2.60	-7.87	-6.67	-0.25	-4.47	-1.88
	6	6505		-5.87	-4.86	-0.25	-2.58	-6.49	-5.69	-0.25	-3.31	-8.42	-7.45	-0.25	-5.15	-2.58
		6665		-6.58	-6.01	-0.48	-3.76	-7.17	-8.46	-0.48	-5.24	-8.60	-7.86	-0.48	-5.68	-3.76
	7	6825		-5.67	-5.38	-0.48	-2.99	-6.17	-5.86	-0.48	-3.48	-7.74	-7.08	-0.48	-4.87	-2.99
		6985		-5.03	-3.99	2.06	0.59	-5.76	-4.71	2.06	-0.13	-7.42	-6.60	2.06	-1.92	0.59

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: } 5925\text{MHz: } \text{Directional gain} = 10 \log((10^{1.3/10} + 10^{-2.7/10})/2) = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log((10^{1.1/10} + 10^{-3.0/10})/2) = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log((10^{3.4/10} + 10^{0.1/10})/2) = 2.06\text{dBi}$$

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

Tones: 106T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index 53				RU Index 54				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE20	5	5955	106T	-0.44	-0.29	-0.25	2.40	-0.42	-0.25	-0.25	2.43	2.43
		6175		-1.11	-0.99	-0.25	1.71	-1.10	-0.96	-0.25	1.73	1.73
		6415		-2.37	-1.53	-0.25	0.83	-2.54	-1.70	-0.25	0.66	0.83
	6	6435		-2.12	-1.31	-0.25	1.06	-2.03	-1.25	-0.25	1.14	1.14
		6475		-2.41	-1.35	-0.25	0.91	-2.32	-1.55	-0.25	0.84	0.91
		6515		-2.50	-1.64	-0.25	0.71	-2.46	-1.84	-0.25	0.62	0.71
	7	6535		-3.47	-2.75	-0.48	-0.56	-3.52	-2.87	-0.48	-0.65	-0.56
		6695		-3.20	-2.75	-0.48	-0.44	-3.05	-2.79	-0.48	-0.39	-0.39
		6855		-2.25	-2.23	-0.48	0.29	-2.32	-2.20	-0.48	0.27	0.29
	8	6875		-2.33	-2.31	-0.48	0.21	-2.52	-2.18	-0.48	0.18	0.21
		6995		-1.69	-0.93	-0.48	1.24	-1.92	-1.12	-0.48	1.03	1.24
				7115		-1.44	-1.19	2.06	3.76	-8.12	-7.90	2.06

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 53				RU Index 54				RU Index 56				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE40	5	5965	106T	-0.80	-0.48	-0.25	2.12	-0.59	-0.37	-0.25	2.28	-0.71	-0.61	-0.25	2.10	2.28
		6165		-1.33	-1.18	-0.25	1.51	-1.14	-1.06	-0.25	1.66	-1.24	-1.07	-0.25	1.61	1.66
		6405		-2.32	-1.68	-0.25	0.77	-2.40	-1.59	-0.25	0.78	-2.75	-1.93	-0.25	0.44	0.78
	6	6445		-2.13	-1.37	-0.25	1.03	-2.20	-1.33	-0.25	1.02	-2.44	-1.57	-0.25	0.78	1.03
		6485		-2.41	-1.46	-0.25	0.85	-2.46	-1.73	-0.25	0.68	-2.36	-1.64	-0.25	0.78	0.85
		6525		-2.54	-1.65	-0.25	0.69	-2.52	-1.79	-0.25	0.62	-2.63	-1.92	-0.25	0.50	0.69
	7	6685		-3.13	-2.83	-0.48	-0.45	-3.11	-2.80	-0.48	-0.42	-3.13	-2.96	-0.48	-0.51	-0.42
		6845		-2.24	-2.28	-0.48	0.27	-2.27	-2.16	-0.48	0.32	-2.12	-2.19	-0.48	0.38	0.38
		6885		-2.23	-2.19	-0.48	0.32	-2.32	-2.16	-0.48	0.29	-2.46	-2.36	-0.48	0.12	0.32
	8	7005		-1.77	-1.11	-0.48	1.10	-1.84	-0.98	-0.48	1.14	-1.97	-1.28	-0.48	0.92	1.14
		7085		-1.09	-0.60	2.06	4.23	-1.09	-0.88	2.06	4.09	-1.30	-1.18	2.06	3.83	4.23

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 53				RU Index 56				RU Index 60				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE80	5	5985	106T	-0.86	-0.61	-0.25	2.03	-0.62	-0.34	-0.25	2.28	-0.94	-0.85	-0.25	1.87	2.28
		6145		-1.40	-1.19	-0.25	1.47	-1.12	-0.92	-0.25	1.74	-1.51	-1.31	-0.25	1.35	1.74
		6385		-2.09	-1.62	-0.25	0.91	-1.89	-1.41	-0.25	1.12	-2.90	-2.12	-0.25	0.27	1.12
	6	6465		-2.45	-1.63	-0.25	0.74	-2.06	-1.39	-0.25	1.05	-2.66	-2.06	-0.25	0.41	1.05
		6545		-2.79	-2.04	-0.48	0.13	-2.53	-1.85	-0.48	0.35	-3.31	-2.72	-0.48	-0.47	0.35
		6625		-3.72	-2.95	-0.48	-0.79	-3.14	-2.53	-0.48	-0.29	-3.60	-3.03	-0.48	-0.78	-0.29
	7	6705		-3.42	-3.22	-0.48	-0.79	-3.00	-2.75	-0.48	-0.34	-3.53	-3.31	-0.48	-0.89	-0.34
		6785		-2.75	-2.56	-0.48	-0.12	-2.23	-2.14	-0.48	0.35	-2.41	-2.48	-0.48	0.09	0.35
		6865		-2.46	-2.53	-0.48	0.04	-2.23	-2.15	-0.48	0.34	-2.85	-2.58	-0.48	-0.18	0.34
	8	6945		-1.51	-1.11	-0.48	1.22	-1.34	-0.68	-0.48	1.53	-1.92	-1.34	-0.48	0.91	1.53
		7025		-2.04	-1.29	2.06	3.42	-1.95	-1.12	2.06	3.56	-2.55	-2.08	2.06	2.76	3.56

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: } 5925\text{MHz: } \text{Directional gain} = 10 \log_{10} ((10^{1.3/10} + 10^{2.7/10})/2) = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log_{10} ((10^{1.1/10} + 10^{3.0/10})/2) = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log_{10} ((10^{3.4/10} + 10^{0.1/10})/2) = 2.06\text{dBi}$$

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

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 53				RU Index 56				RU Index 60				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80L)	5	6025	106T	-2.31	-1.90	-0.25	0.66	-1.23	-1.00	-0.25	1.65	-0.68	-0.45	-0.25	2.20	2.20
		6185		-2.43	-2.05	-0.25	0.52	-1.25	-1.02	-0.25	1.63	-0.74	-0.57	1.30	2.11	2.11
		6345		-3.08	-3.03	-0.25	-0.29	-2.12	-1.90	-0.25	0.75	-1.61	-1.32	-0.25	1.30	1.30
	6505	-3.73		-2.98	-0.25	-0.58	-2.91	-2.09	-0.25	0.28	-2.34	-1.63	-0.25	0.79	0.79	
	6665	-4.99		-4.14	-0.48	-2.01	-4.06	-3.36	-0.48	-1.17	-3.23	-2.83	-0.48	-0.50	-0.50	
	6825	-3.97		-3.97	-0.48	-1.44	-2.97	-3.01	-0.48	-0.46	-2.13	-2.29	-0.48	0.32	0.32	
	6985	-3.06		-2.55	2.06	2.27	-2.11	-1.46	2.06	3.30	-1.78	-1.02	2.06	3.69	3.69	

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index S53				RU Index S56				RU Index S60				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80H)	5	6025	106T	-0.65	-0.51	-0.25	2.18	-0.96	-0.92	-0.25	1.82	-2.49	-2.41	-0.25	0.31	2.18
		6185		-0.80	-0.68	-0.25	2.02	-1.04	-0.95	-0.25	1.77	-2.52	-2.51	1.30	0.25	4.31
		6345		-1.74	-1.24	-0.25	1.28	-2.43	-1.83	-0.25	0.64	-4.31	-3.38	-0.25	-1.06	1.28
	6505	-2.55		-1.72	-0.25	0.65	-3.06	-2.44	-0.25	0.02	-4.74	-4.06	-0.25	-1.63	0.65	
	6665	-3.18		-2.84	-0.48	-0.48	-3.56	-3.33	-0.48	-0.91	-4.99	-4.66	-0.48	-2.29	-0.48	
	6825	-2.24		-2.27	-0.48	0.28	-2.59	-2.66	-0.48	-0.09	-4.16	-3.96	-0.48	-1.53	0.28	
	6985	-1.78		-0.99	2.06	3.70	-2.31	-1.76	2.06	3.04	-3.86	-3.34	2.06	1.48	3.70	

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: 5925MHz: Directional gain} = 10 \log[(10^{1.3/10} + 10^{2.7/10})/2] = -0.25 \text{ dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{1.1/10} + 10^{3.0/10})/2] = -0.48 \text{ dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06 \text{ dBi}$$

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

Tones: 242T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)				Max EIRP (dBm)
				RU Index 61				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE20	5	5955	242T	2.03	1.63	-0.25	4.59	4.59
		6175		2.05	1.26	-0.25	4.43	4.43
		6415		2.28	1.54	-0.25	4.69	4.69
	6	6435		1.73	0.78	-0.25	4.04	4.04
		6475		1.73	1.08	-0.25	4.18	4.18
		6515		1.56	1.11	-0.25	4.10	4.10
	7	6535		-0.78	-0.35	-0.48	1.97	1.97
		6695		-0.27	-0.35	-0.48	2.22	2.22
		6855		0.39	0.11	-0.48	2.78	2.78
		6875		0.41	0.15	-0.48	2.81	2.81
		6995		1.01	1.50	-0.48	3.79	3.79
		7115		-5.08	-4.83	2.06	0.12	0.12

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index 61				RU Index 62				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE40	5	5965	242T	2.23	1.71	-0.25	4.74	2.23	1.44	-0.25	4.61	4.74
		6165		2.14	1.47	-0.25	4.58	2.22	1.25	-0.25	4.52	4.58
		6405		2.15	1.67	-0.25	4.68	2.35	1.73	-0.25	4.81	4.81
	6	6445		1.72	0.95	-0.25	4.11	1.54	0.83	-0.25	3.96	4.11
		6485		1.76	1.13	-0.25	4.22	1.81	1.01	-0.25	4.19	4.22
		6525		1.66	1.05	-0.25	4.13	2.25	1.61	-0.25	4.70	4.70
	7	6685		-0.44	-0.32	-0.48	2.15	-0.53	-0.41	-0.48	2.06	2.15
		6845		0.59	0.22	-0.48	2.94	0.43	0.20	-0.48	2.85	2.94
		6885		0.42	0.19	-0.48	2.84	0.45	0.16	-0.48	2.84	2.84
	8	7005		0.93	1.51	-0.48	3.76	0.82	1.45	-0.48	3.68	3.76
		7085		1.57	1.81	2.06	6.76	1.47	1.86	2.06	6.74	6.76

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 61				RU Index 62				RU Index 64				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE80	5	5985	242T	2.24	2.03	-0.25	4.90	2.36	1.69	-0.25	4.80	2.14	1.60	-0.25	4.64	4.90
		6145		2.04	1.47	-0.25	4.52	2.11	1.77	-0.25	4.70	2.24	1.61	-0.25	4.70	4.70
		6385		2.12	1.63	-0.25	4.64	2.53	1.94	-0.25	5.01	2.41	1.76	-0.25	4.86	5.01
	6	6465		1.73	1.03	-0.25	4.15	2.38	1.77	-0.25	4.85	1.63	1.12	-0.25	4.14	4.85
		6545		1.50	1.13	-0.48	3.85	2.25	1.88	-0.48	4.60	2.08	1.60	-0.48	4.38	4.60
		6625		-0.86	-0.48	-0.48	1.86	-0.34	-0.14	-0.48	2.29	-0.74	-0.50	-0.48	1.91	2.29
	7	6705		-0.73	-0.73	-0.48	1.80	-0.30	-0.38	-0.48	2.19	-0.65	-0.84	-0.48	1.79	2.19
		6785		0.24	0.06	-0.48	2.68	0.68	0.43	-0.48	3.09	0.36	-0.07	-0.48	2.68	3.09
		6865		0.16	0.09	-0.48	2.66	0.78	0.43	-0.48	3.14	0.23	0.03	-0.48	2.66	3.14
	8	6945		1.19	1.54	-0.48	3.90	1.63	2.18	-0.48	4.44	1.15	1.71	-0.48	3.97	4.44
		7025		0.49	0.90	2.06	5.77	1.01	1.52	2.06	6.34	0.46	1.08	2.06	5.85	6.34

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

4. 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: $10 \log[(10^{3/10} + 10^{2.7/10})/2] = -0.25$ dBi

6525MHz: $10 \log[(10^{1.1/10} + 10^{3.0/10})/2] = -0.48$ dBi

7125MHz: $10 \log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06$ 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).

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Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index 61				RU Index 62				RU Index 64				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80L)	5	6025	242T	2.28	1.66	-0.25	4.74	2.63	1.99	-0.25	5.08	2.26	1.58	-0.25	4.69	5.08
		6185		2.11	1.50	-0.25	4.58	2.57	1.84	-0.25	4.98	2.18	1.49	-0.25	4.61	4.98
		6345		2.73	2.03	-0.25	5.15	2.09	2.68	-0.25	5.16	2.12	1.84	-0.25	4.74	5.16
	6	6505		1.72	1.01	-0.25	4.14	2.58	2.09	-0.25	5.10	1.74	1.24	-0.25	4.26	5.10
	7	6665		-1.01	-0.58	-0.48	1.74	-0.09	0.18	-0.48	2.58	0.56	0.69	-0.48	3.16	3.16
		6825		0.22	-0.07	-0.48	2.61	0.97	0.70	-0.48	3.37	1.79	1.47	-0.48	4.16	4.16
	8	6985		0.77	1.14	2.06	6.03	1.55	1.96	2.06	6.83	2.09	2.83	2.06	7.55	7.55

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)												Max EIRP (dBm)
				RU Index S61				RU Index S62				RU Index S64				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80H)	5	6025	242T	2.26	1.61	-0.25	4.71	2.14	1.47	-0.25	4.58	2.23	1.63	-0.25	4.70	4.71
		6185		2.08	1.59	-0.25	4.60	2.03	1.38	-0.25	4.48	2.12	1.60	-0.25	4.63	4.63
		6345		2.18	1.71	-0.25	4.71	2.16	1.63	-0.25	4.66	2.39	1.63	-0.25	4.79	4.79
	6	6505		1.82	1.16	-0.25	4.26	2.21	1.60	-0.25	4.68	2.23	1.75	-0.25	4.76	4.76
	7	6665		0.68	0.78	-0.48	3.26	0.56	0.59	-0.48	3.11	-0.87	-0.80	-0.48	1.70	3.26
		6825		1.76	1.45	-0.48	4.14	1.50	1.40	-0.48	3.98	0.13	0.07	-0.48	2.63	4.14
	8	6985		2.76	2.42	2.06	7.66	2.00	2.56	2.06	7.36	0.63	1.08	2.06	5.93	7.66

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

Directional gain: 5925MHz: Directional gain = $10 \log[(10^{1.3/10} + 10^{2.7/10})/2] = -0.25$ dBi

6525MHz: Directional gain = $10 \log[(10^{1.1/10} + 10^{3.0/10})/2] = -0.48$ dBi

7125MHz: Directional gain = $10 \log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06$ 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).

Tones: 484T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)				Max EIRP (dBm)	
				RU Index 65					
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3		
802.11ax-HE40	5	5965	484T	5.46	4.93	-0.25	7.96	7.96	
		6165		5.36	4.94	-0.25	7.92	7.92	
		6405		5.47	4.84	-0.25	7.93	7.93	
	6	6445		5.29	4.84	-0.25	7.83	7.83	
		6485		5.49	4.79	-0.25	7.91	7.91	
		6525		5.37	5.04	-0.25	7.97	7.97	
	7	6685		4.46	3.99	-0.48	6.76	6.76	
		6845		4.73	3.84	-0.48	6.84	6.84	
		6885		4.62	3.86	-0.48	6.79	6.79	
		7005		4.46	3.99	-0.48	6.76	6.76	
		8		7085	4.59	3.88	2.06	9.32	9.32

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index 65				RU Index 66				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE80	5	5985	484T	5.43	4.94	-0.25	7.95	5.48	5.07	-0.25	8.04	8.04
		6145		5.03	4.80	-0.25	7.68	5.43	4.95	-0.25	7.96	7.96
		6385		5.31	5.08	-0.25	7.96	5.39	4.85	-0.25	7.89	7.96
	6	6465		5.35	4.87	-0.25	7.88	5.47	5.01	-0.25	8.01	8.01
		6545		5.41	4.85	-0.48	7.67	5.42	4.91	-0.48	7.70	7.70
		6625		4.60	4.00	-0.48	6.84	4.42	3.83	-0.48	6.67	6.84
	7	6705		4.51	3.88	-0.48	6.74	4.53	3.79	-0.48	6.71	6.74
		6785		4.52	3.77	-0.48	6.69	4.43	4.01	-0.48	6.76	6.76
		6865		4.79	3.99	-0.48	6.94	4.78	3.92	-0.48	6.90	6.94
	8	6945		4.62	3.69	-0.48	6.71	4.56	3.72	-0.48	6.69	6.71
		7025		4.64	3.97	2.06	9.39	4.62	3.94	2.06	9.36	9.39

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index 65				RU Index 66				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80L)	5	6025	484T	5.30	4.92	-0.25	7.87	5.48	4.89	-0.25	7.96	7.96
		6185		5.12	4.77	-0.25	7.71	5.34	4.87	-0.25	7.87	7.87
		6345		5.37	5.07	-0.25	7.98	5.50	5.11	-0.25	8.07	8.07
	6	6505		5.26	4.83	-0.25	7.81	5.50	4.86	-0.25	7.95	7.95
		6665		4.84	4.22	-0.48	7.07	4.69	4.18	-0.48	6.97	7.07
		6825		4.55	4.11	-0.48	6.87	4.70	4.17	-0.48	6.97	6.97
	8	6985		4.96	3.99	2.06	9.57	4.76	3.97	2.06	9.45	9.57

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index S65				RU Index S66				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) Note 4	Total E.I.R.P Note 3	
802.11ax-HE160 (80H)	5	6025	484T	5.41	4.87	-0.25	7.91	5.37	4.82	-0.25	7.86	7.91
		6185		5.23	4.73	-0.25	7.75	5.24	4.78	-0.25	7.78	7.78
		6345		5.33	5.08	-0.25	7.97	5.52	4.90	-0.25	7.98	7.98
	6	6505		5.34	5.00	-0.25	7.93	5.35	5.00	-0.25	7.94	7.94
		6665		4.38	3.89	-0.48	6.67	4.60	3.82	-0.48	6.76	6.76
		6825		4.81	4.31	-0.48	7.10	4.91	4.26	-0.48	7.13	7.13
	8	6985		4.80	4.26	2.06	9.61	4.90	4.13	2.06	9.60	9.61

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

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

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

$$\text{Directional gain: } 5925\text{MHz: } \text{Directional gain} = 10 \log[(10^{1.3/10} + 10^{2.7/10})/2] = -0.25\text{dBi}$$

$$6525\text{MHz: } \text{Directional gain} = 10 \log[(10^{1.1/10} + 10^{3.0/10})/2] = -0.48\text{dBi}$$

$$7125\text{MHz: } \text{Directional gain} = 10 \log[(10^{3.4/10} + 10^{0.1/10})/2] = 2.06\text{dBi}$$

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

Tones: 996T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)				Max EIRP (dBm)
				RU Index 67				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) <small>Note 4</small>	Total E.I.R.P <small>Note 3</small>	
802.11ax-HE80	5	5985	996T	7.18	6.54	-0.25	9.63	9.63
		6145		6.78	6.04	-0.25	9.19	9.19
		6385		6.98	6.45	-0.25	9.48	9.48
	6	6465		6.29	5.76	-0.25	8.79	8.79
		6545		6.56	6.53	-0.48	9.08	9.08
		6625		6.34	6.20	-0.48	8.80	8.80
	7	6705		6.19	6.12	-0.48	8.69	8.69
		6785		6.02	5.94	-0.48	8.51	8.51
		6865		5.49	5.54	-0.48	8.05	8.05
	8	6945		5.64	5.53	-0.48	8.12	8.12
		7025		5.42	5.54	2.06	10.55	10.55

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)								Max EIRP (dBm)
				RU Index 67				RU Index S67				
				ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) <small>Note 4</small>	Total E.I.R.P <small>Note 3</small>	ANT A (AUX)	ANT B (Main)	Directional Antenna Gain (dBi) <small>Note 4</small>	Total E.I.R.P <small>Note 3</small>	
802.11ax-HE160	5	6025	996T	7.16	6.98	-0.25	9.83	6.87	6.58	-0.25	9.49	9.83
		6185		7.02	6.60	-0.25	9.58	6.83	7.02	-0.25	9.69	9.69
		6345		7.47	7.25	-0.25	10.12	7.05	6.89	-0.25	9.73	10.12
	6	6505		6.51	6.48	-0.25	9.26	6.66	6.60	-0.25	9.39	9.39
		6665		6.50	6.37	-0.48	8.97	6.34	6.34	-0.48	8.87	8.97
		6825		6.10	6.10	-0.48	8.63	5.64	5.76	-0.48	8.23	8.63
	8	6985		5.87	5.74	2.06	10.88	5.64	5.67	2.06	10.73	10.88

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

2. EIRP limit is 24dBm

3. Total E.I.R.P = Average Conducted Output Power ANT A (AUX) + Average Conducted Output Power ANT B (Main) + Duty Cycle Factor + Directional Gain

4. 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 = $10 \log((10^{1.3/10} + 10^{-2.7/10})/2)$ = -0.25dBi

6525MHz: Directional gain = $10 \log((10^{1.1/10} + 10^{-3.0/10})/2)$ = -0.48dBi

7125MHz: Directional gain = $10 \log((10^{3.4/10} + 10^{0.1/10})/2)$ = 2.06dBi

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

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A.4.2 Measurement Plots























