

A.3. MAXIMUM OUTPUT POWER AND EMISSION/OCCUPIED BANDWIDTH

Test Date	2024/10/27~11/01	Temp./Hum.	23~24°C/56~61%
Cable Loss	1.00 dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.3.1. Average Output Power and Emission/Occupied Bandwidth

Mode 802.11a	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Max Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	23.24	23.32	16.670	16.643	17.94	17.65	N/A	17.94	24	N/A
	5200	23.26	22.67	16.692	16.646	17.80	17.70		17.80		
	5240	23.07	22.62	16.690	16.640	17.62	17.62		17.62		
Mode 802.11a	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Max Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	13.18	15.66	16.731	16.650	18.16	18.15	N/A	18.16	30	N/A
	5785	14.40	13.79	16.637	16.633	18.32	18.12		18.32		
	5825	14.19	15.16	16.658	16.620	17.85	18.17		18.17		

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

2. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

With INPAQ Antenna

Mode 802.11a	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Antenna Gain (dBi)		Max Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB)		Occupied (99%) Bandwidth								
		AUX	Main	AUX	Main	AUX	Main		AUX	Main		
U-NII Band 4	5845	15.06	15.09	16.647	16.606	18.26	18.58	N/A	1.70	1.80	20.38	30
	5865	15.15	14.17	16.680	16.592	19.26	18.51		1.70	1.80	20.96	
	5885	10.95	15.16	16.653	16.726	18.62	18.16		1.70	1.80	20.32	

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

2. Max Average Output Power (EIRP) = Max of average output power (AUX or Main) (dBm)+ Antenna Gain (dBi) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

With LUXSHARE-ICT Antenna

Mode 802.11a	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Antenna Gain (dBi)		Max Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB)		Occupied (99%) Bandwidth					AUX	Main		
		AUX	Main	AUX	Main	AUX	Main		AUX	Main		
U-NII Band 4	5845	15.06	15.09	16.647	16.606	18.26	18.58	N/A	3.80	4.50	23.08	30
	5865	15.15	14.17	16.680	16.592	19.26	18.51		3.80	4.50	23.06	
	5885	10.95	15.16	16.653	16.726	18.62	18.16		4.50	3.80	23.12	

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

2. Max Average Output Power (EIRP) = Max of average output power (AUX or Main) (dBm)+ Antenna Gain (dBi) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode 802.11n-HT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	23.20	23.93	17.852	17.781	17.74	17.40	N/A	20.58	24	N/A
	5200	24.41	22.49	17.774	17.741	17.30	17.24		20.28		
	5240	23.59	22.90	17.744	17.788	17.56	17.70		20.64		
Mode 802.11n-HT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	13.88	16.93	17.779	17.771	18.11	18.01	N/A	21.07	30	N/A
	5785	15.14	15.74	17.804	17.802	17.64	18.12		20.90		
	5825	15.69	17.59	17.797	17.778	18.00	17.65		20.84		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB)
when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11n-HT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	14.46	15.09	17.759	17.748	16.20	16.05	N/A	1.75	20.89	30
	5865	17.62	16.53	17.733	17.779	16.34	15.87		1.75	20.87	
	5885	16.52	14.39	17.786	17.722	15.86	15.83		1.75	20.61	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11n-HT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	14.46	15.09	17.759	17.748	16.20	16.05	N/A	4.16	23.30	30
	5865	17.62	16.53	17.733	17.779	16.34	15.87		4.16	23.28	
	5885	16.52	14.39	17.786	17.722	15.86	15.83		4.16	23.02	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	42.69	40.51	36.031	36.099	17.14	16.57	N/A	19.87	24	N/A
	5230	42.03	42.63	36.067	36.026	17.16	17.49		20.34		
Mode 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	34.68	36.35	36.084	36.049	17.97	17.79	N/A	20.89	30	N/A
	5795	27.08	34.71	36.021	35.996	17.57	17.83		20.71		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB)
when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note3}	Total Average Output Power (EIRP) ^{Note2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	33.92	32.02	36.040	36.003	17.85	18.16	N/A	1.75	22.77	30
	5875	32.68	31.72	36.082	35.969	17.96	17.34		1.75	22.42	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{NoE3}	Total Average Output Power (EIRP) ^{NoE2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	33.92	32.02	36.040	36.003	17.85	18.16	N/A	4.16	25.18	30
	5875	32.68	31.72	36.082	35.969	17.96	17.34		4.16	24.83	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

Mode 802.11ac- VHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	23.20	23.93	17.852	17.781	17.54	17.25	N/A	20.41	24	N/A
	5200	24.41	22.49	17.774	17.741	17.12	17.07		20.11		
	5240	23.59	22.90	17.744	17.788	17.37	17.53		20.46		
Mode 802.11ac- VHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	13.88	16.93	17.779	17.771	17.95	17.84	N/A	20.91	30	N/A
	5785	15.14	15.74	17.804	17.802	17.49	17.98		20.75		
	5825	15.69	17.59	17.797	17.778	17.88	17.53		20.72		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ac- VHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	14.46	15.09	17.759	17.748	15.92	15.89	N/A	1.75	20.67	30
	5865	17.62	16.53	17.733	17.779	16.06	15.58		1.75	20.59	
	5885	16.52	14.39	17.786	17.722	15.67	15.60		1.75	20.40	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11ac- VHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	14.46	15.09	17.759	17.748	15.92	15.89	N/A	4.16	23.08	30
	5865	17.62	16.53	17.733	17.779	16.06	15.58		4.16	23.00	
	5885	16.52	14.39	17.786	17.722	15.67	15.60		4.16	22.81	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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 802.11ac- VHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	42.69	40.51	36.031	36.099	17.14	16.57	N/A	19.87	24	N/A
	5230	42.03	42.63	36.067	36.026	17.16	17.49		20.34		
Mode 802.11ac- VHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	34.68	36.35	41.610	36.049	17.97	17.79	N/A	20.89	30	N/A
	5795	27.08	34.71	41.950	35.996	17.57	17.83		20.71		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ac- VHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	33.92	32.02	36.040	36.003	17.55	17.92	N/A	1.75	22.50	30
	5875	32.68	31.72	36.082	35.969	17.77	17.17		1.75	22.24	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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

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

$$\text{Directional gain} = 10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75 \text{ dBi}$$

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

With LUXSHARE-ICT Antenna

Mode 802.11ac- VHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	33.92	32.02	36.040	36.003	17.55	17.92	N/A	4.16	24.91	30
	5875	32.68	31.72	36.082	35.969	17.77	17.17		4.16	24.65	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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

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

$$\text{Directional gain} = 10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16 \text{ dBi}$$

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 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5210	86.53	83.63	75.171	75.085	17.88	17.46	N/A	20.69	24	N/A
Mode 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5775	68.98	75.23	75.173	75.060	17.69	17.66	N/A	20.69	30	N/A

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	73.92	61.39	75.145	75.087	17.46	17.28	N/A	1.75	22.13	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	73.92	61.39	75.145	75.087	17.46	17.28	N/A	4.16	24.54	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

With INPAQ Antenna

Mode 802.11ac- VHT160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	148.10	153.82	153.62	153.44	15.41	15.57	N/A	1.75	20.25	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11ac- VHT160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	148.10	153.82	153.62	153.44	15.41	15.57	N/A	4.16	22.66	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City 244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	23.56	23.34	18.891	18.883	17.19	17.13	N/A	20.17	24	N/A
	5200	23.74	24.73	18.896	18.967	17.03	16.76		19.91		
	5240	23.63	23.39	18.919	18.938	17.38	17.61		20.51		
Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	17.83	14.88	18.843	18.929	18.12	17.79	N/A	20.97	30	N/A
	5785	18.55	16.56	18.919	18.924	18.04	17.96		21.01		
	5825	16.54	14.17	18.913	18.909	17.34	17.99		20.69		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	18.82	17.69	18.879	18.932	15.52	15.42	N/A	1.75	20.23	30
	5865	17.88	17.87	18.920	18.899	15.72	15.60		1.75	20.42	
	5885	18.32	16.16	18.900	18.870	15.70	15.31		1.75	20.27	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	18.82	17.69	18.879	18.932	15.52	15.42	N/A	4.16	22.64	30
	5865	17.88	17.87	18.920	18.899	15.72	15.60		4.16	22.83	
	5885	18.32	16.16	18.900	18.870	15.70	15.31		4.16	22.68	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	42.94	42.56	37.391	37.550	17.22	16.85	N/A	20.05	24	N/A
	5230	42.01	41.25	37.523	37.503	17.69	17.48		20.60		
Mode 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	36.26	35.74	37.567	37.451	17.92	17.53	N/A	20.74	30	N/A
	5795	35.07	32.93	37.421	37.564	17.75	17.75		20.76		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	34.65	35.54	37.563	37.559	18.02	17.37	N/A	1.75	22.47	30
	5875	33.74	37.17	37.567	37.507	17.99	17.48		1.75	22.50	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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

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

$$\text{Directional gain} = 10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75 \text{ dBi}$$

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

With LUXSHARE-ICT Antenna

Mode 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	34.65	35.54	37.563	37.559	18.02	17.37	N/A	4.16	24.88	30
	5875	33.74	37.17	37.567	37.507	17.99	17.48		4.16	24.91	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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

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

$$\text{Directional gain} = 10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16 \text{ dBi}$$

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 802.11ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5210	80.90	80.93	76.642	76.434	17.71	17.01	N/A	20.38	24	N/A
Mode 802.11ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5775	70.05	69.04	76.631	76.539	17.33	17.27	N/A	20.31	30	N/A

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	75.83	75.54	76.97	76.56	17.15	17.09	N/A	1.75	21.88	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11 ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	75.83	75.54	76.97	76.56	17.15	17.09	N/A	4.16	24.29	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

With INPAQ Antenna

Mode 802.11 ax- HE160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	155.00	152.70	154.78	155.07	15.36	15.54	N/A	1.75	20.21	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11 ax- HE160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	155.00	152.70	154.78	155.07	15.36	15.54	N/A	4.16	22.62	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

Mode 802.11be- EHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	24.02	23.93	18.910	18.933	17.47	16.93	N/A	20.22	24	N/A
	5200	24.37	24.29	18.954	18.933	17.56	17.17		20.38		
	5240	23.59	24.02	18.950	18.902	16.95	16.89		19.93		
Mode 802.11be- EHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	14.37	16.06	18.867	18.906	17.88	17.48	N/A	20.69	30	N/A
	5785	18.46	18.15	18.900	18.883	17.79	18.07		20.94		
	5825	17.75	16.77	18.929	18.925	17.75	18.11		20.94		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11be- EHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	12.97	17.60	18.911	18.909	15.84	15.29	N/A	1.75	20.33	30
	5865	18.52	17.49	18.944	18.954	15.63	15.44		1.75	20.30	
	5885	12.12	17.86	18.838	18.923	15.95	15.51		1.75	20.50	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11be- EHT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5845	12.97	17.60	18.911	18.909	15.84	15.29	N/A	4.16	22.74	30
	5865	18.52	17.49	18.944	18.954	15.63	15.44		4.16	22.71	
	5885	12.12	17.86	18.838	18.923	15.95	15.51		4.16	22.91	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode 802.11be- EHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	42.18	41.11	37.555	37.545	16.70	17.11	N/A	19.92	24	N/A
	5230	41.85	41.95	37.590	37.507	17.18	16.86		20.03		
Mode 802.11be- EHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	34.37	33.81	37.578	37.531	17.95	17.37	N/A	20.68	30	N/A
	5795	35.83	36.06	37.479	37.516	17.89	18.04		20.98		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB)
when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11be- EHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	35.74	35.66	37.576	37.574	18.35	17.98	N/A	1.75	22.93	30
	5875	36.46	36.11	37.592	37.444	17.60	17.37		1.75	22.25	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11be- EHT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5835	35.74	35.66	37.576	37.574	18.35	17.98	N/A	4.16	25.34	30
	5875	36.46	36.11	37.592	37.444	17.60	17.37		4.16	24.66	

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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 802.11be- EHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5210	80.79	84.52	76.484	76.812	17.48	17.42	N/A	20.46	24	N/A
Mode 802.11be- EHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm +10 log B) ^{Note 3}
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5775	70.13	71.37	81.750	76.839	17.44	17.42	N/A	20.44	30	N/A

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

With INPAQ Antenna

Mode 802.11be- EHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	71.84	71.47	76.63	76.60	17.35	17.03	N/A	1.75	21.95	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11be- EHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5855	71.84	71.47	76.63	76.60	17.35	17.03	N/A	4.16	24.36	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

With INPAQ Antenna

Mode 802.11 be- VHT160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	154.4	151.7	154.90	155.48	15.34	15.53	N/A	1.75	20.20	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{1.8/10} + 10^{1.7/10})/2] = 1.75$ 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).

With LUXSHARE-ICT Antenna

Mode 802.11be- VHT160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional gain (dBi) ^{Note 3}	Total Average Output Power (EIRP) ^{Note 2}	Limit (EIRP)
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
		AUX	Main	AUX	Main	AUX	Main				
U-NII Band 4	5815	154.4	151.7	154.90	155.48	15.34	15.53	N/A	4.16	22.61	30

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

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(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 = $10 \log[(10^{4.5/10} + 10^{3.8/10})/2] = 4.16$ 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).

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City 244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode 802.11ax- HE20	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11 dBm+1 0 log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	26/0	23.56	23.34	18.891	18.883	9.59	8.96	0.155	12.45	24	N/A
		52/37	23.56	23.34	18.891	18.883	12.38	12.28	0.155	15.50		
		106/53	23.56	23.34	18.891	18.883	15.33	15.09	0.155	18.38		
Mode 802.11ax- HE20	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11 dBm+1 0 log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	26/0	17.83	14.88	18.843	18.929	18.03	17.72	0.155	21.04	30	N/A
		52/37	17.83	14.88	18.843	18.929	17.90	18.36	0.155	21.30		
		106/53	17.83	14.88	18.843	18.929	18.43	17.82	0.155	21.30		
	5825	26/8	16.54	14.17	18.913	18.909	18.08	18.29	0.155	21.35		
		52/40	16.54	14.17	18.913	18.909	18.25	18.12	0.155	21.35		
		106/54	16.54	14.17	18.913	18.909	18.08	18.11	0.155	21.26		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE40	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(1 dBm+ 10 log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	242/61	42.94	42.56	37.391	37.550	17.24	16.89	0.141	20.22	24	N/A
Mode 802.11ax- HE40	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(1 dBm+ 10 log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	242/61	36.26	35.74	37.567	37.451	18.06	17.53	0.141	20.95	30	N/A
	5795	242/62	35.07	32.93	37.421	37.564	18.07	17.58		20.84		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE80	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11 dBm+10log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5210	484/65	80.90	80.93	76.642	76.434	16.57	15.99	0.150	19.45	24	N/A
Mode 802.11ax- HE80	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11 dBm+10log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5775	484/65	70.05	69.04	76.631	76.539	17.54	16.97	0.150	20.42	30	N/A
		484/66	70.05	69.04	76.631	76.539	17.53	16.83		20.35		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Audix Technology Corp.

No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

Mode 802.11be- EHT20	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dB m+10 log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5180	26/0	24.02	23.93	18.910	18.933	9.27	8.88	0.155	12.24	24	N/A
		52/37	24.02	23.93	18.910	18.933	12.84	12.38	0.155	15.78		
		106/53	24.02	23.93	18.910	18.933	15.00	14.65	0.155	17.99		
Mode 802.11be- EHT20	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dB m+10 log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5745	26/0	14.37	16.06	18.867	18.906	18.16	17.83	0.155	21.16	30	N/A
		52/37	14.37	16.06	18.867	18.906	18.14	17.76	0.155	21.12		
		106/53	14.37	16.06	18.867	18.906	17.87	17.52	0.155	20.86		
	5825	26/8	17.75	16.77	18.929	18.925	17.46	18.06	0.155	20.93		
		52/40	17.75	16.77	18.929	18.925	18.39	18.20	0.155	21.46		
		106/54	17.75	16.77	18.929	18.925	17.91	18.42	0.155	21.34		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Mode 802.11be- EHT40	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm+10log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5190	242/61	42.18	41.11	37.555	37.545	17.47	16.97	0.150	20.39	24	N/A
Mode 802.11be- EHT40	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11dBm+10log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5755	242/61	34.37	33.81	37.578	37.531	15.43	16.04	0.150	18.91	30	N/A
	5795	242/62	35.83	36.06	37.479	37.516	15.52	16.01		18.93		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

3. B is the 26 dB emission bandwidth.

Mode 802.11be- EHT80	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11d Bm+10 log B) ^{Note 3}
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 1	5210	484/65	80.79	84.52	76.484	76.812	15.99	16.04	0.155	19.18	24	N/A
Mode 802.11be- EHT80	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) ^{Note 2}	Limit (dBm)	Limit(11d Bm+10 log B) ^{Note 3}
			Emission (6dB) Bandwidth		Occupied (99%) Bandwidth							
			Aux	Main	Aux	Main	Aux	Main				
U-NII Band 3	5775	484/65	70.13	71.37	81.750	76.839	17.26	17.77	0.155	20.69	30	N/A
		484/66	70.13	71.37	81.750	76.839	17.84	17.33		20.76		

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

2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%, please refer to section 3.7.

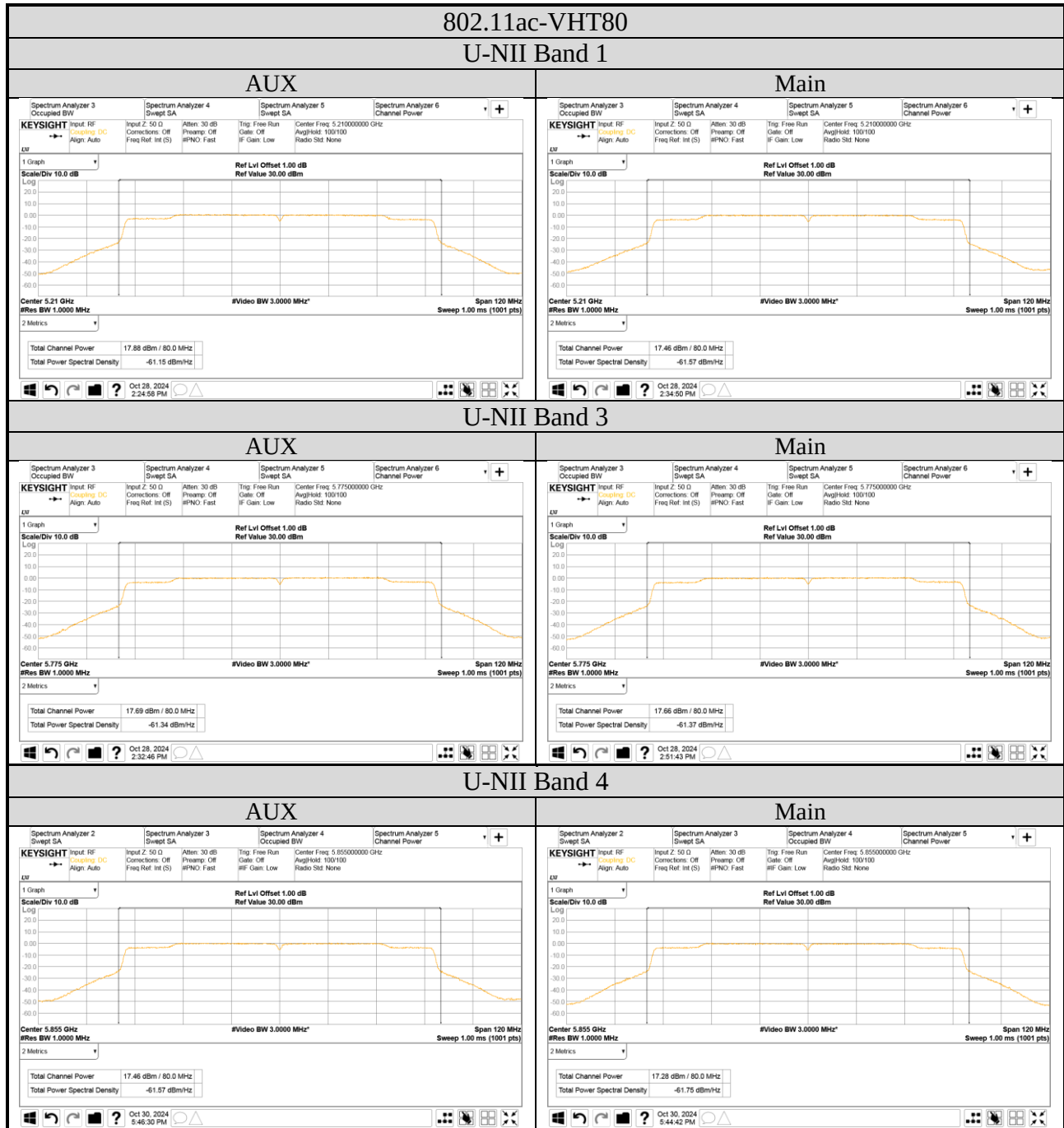
3. B is the 26 dB emission bandwidth.

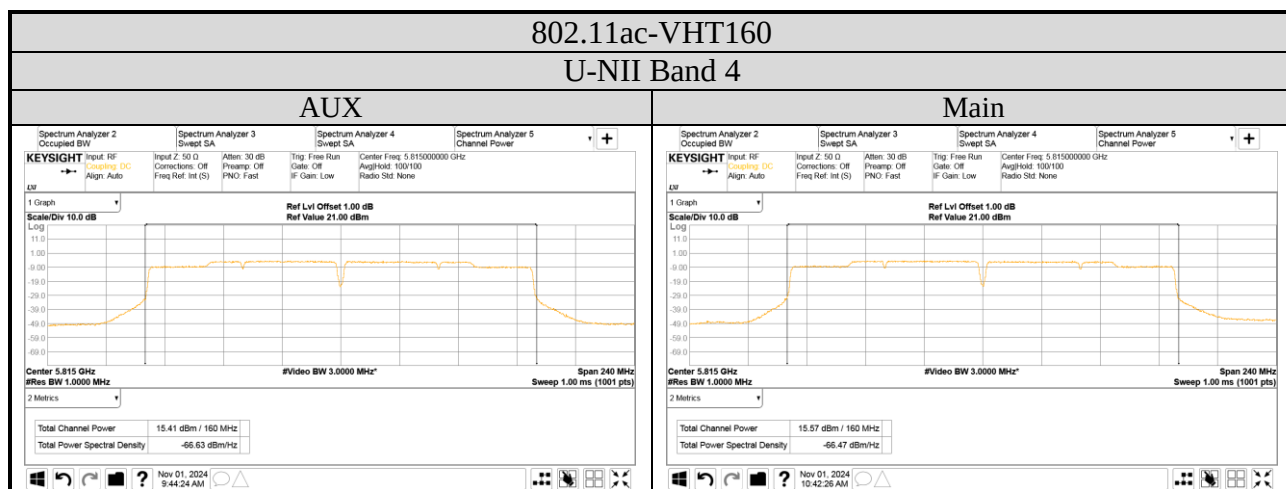
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

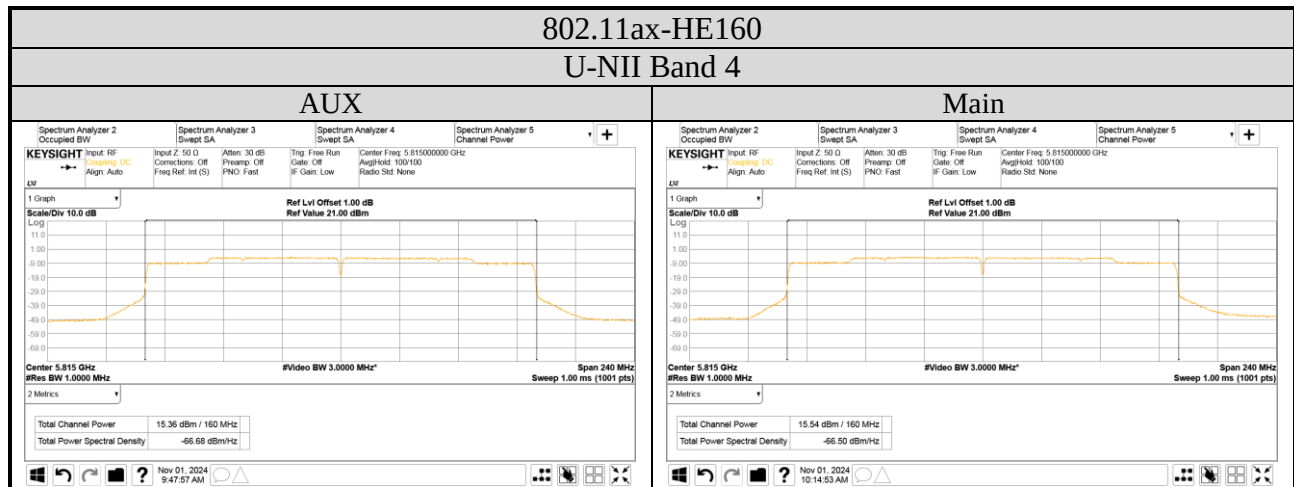
A.3.2. Measurement Plots

● Maximum Output Power



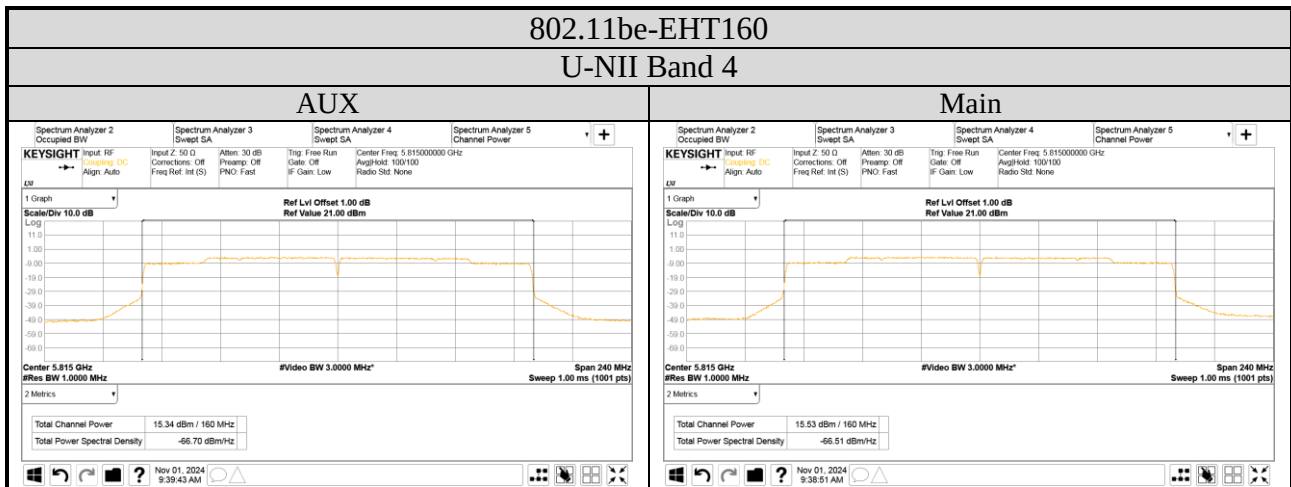








Note: We only presented max result (worst case) plots for each test mode



Note: We only presented max result (worst case) plots for each test mode