

A.3 6dB/OCCUPIED BANDWIDTH

Test Date	2019/09/19 ~ 25	Temp./Hum.	24~25°C/50~54%
Cable Loss	0.5dB	Tested By	Martin Chen
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.3.1 Emission Bandwidth Result

Mode	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11b	2412	10.14	13.386	>500kHz
	2442	10.14	13.444	
	2462	10.14	13.398	
	2472	10.14	13.854	
802.11g	2412	16.38	16.607	
	2442	16.40	16.800	
	2462	16.38	16.678	
	2472	16.38	16.370	
802.11n-HT20	2412	17.62	17.781	
	2442	17.62	17.812	
	2462	17.62	17.794	
	2472	17.62	17.594	
802.11n-HT40	2422	36.40	36.208	
	2442	36.40	36.231	
	2452	36.36	36.187	
	2462	36.36	36.106	
802.11ax-HE20	2412	18.98	18.978	
	2442	18.85	18.988	
	2462	18.85	19.011	
	2472	18.63	18.708	
802.11ax-HE40	2422	38.01	37.753	
	2442	38.02	37.729	
	2452	38.03	37.740	
	2462	37.77	37.474	

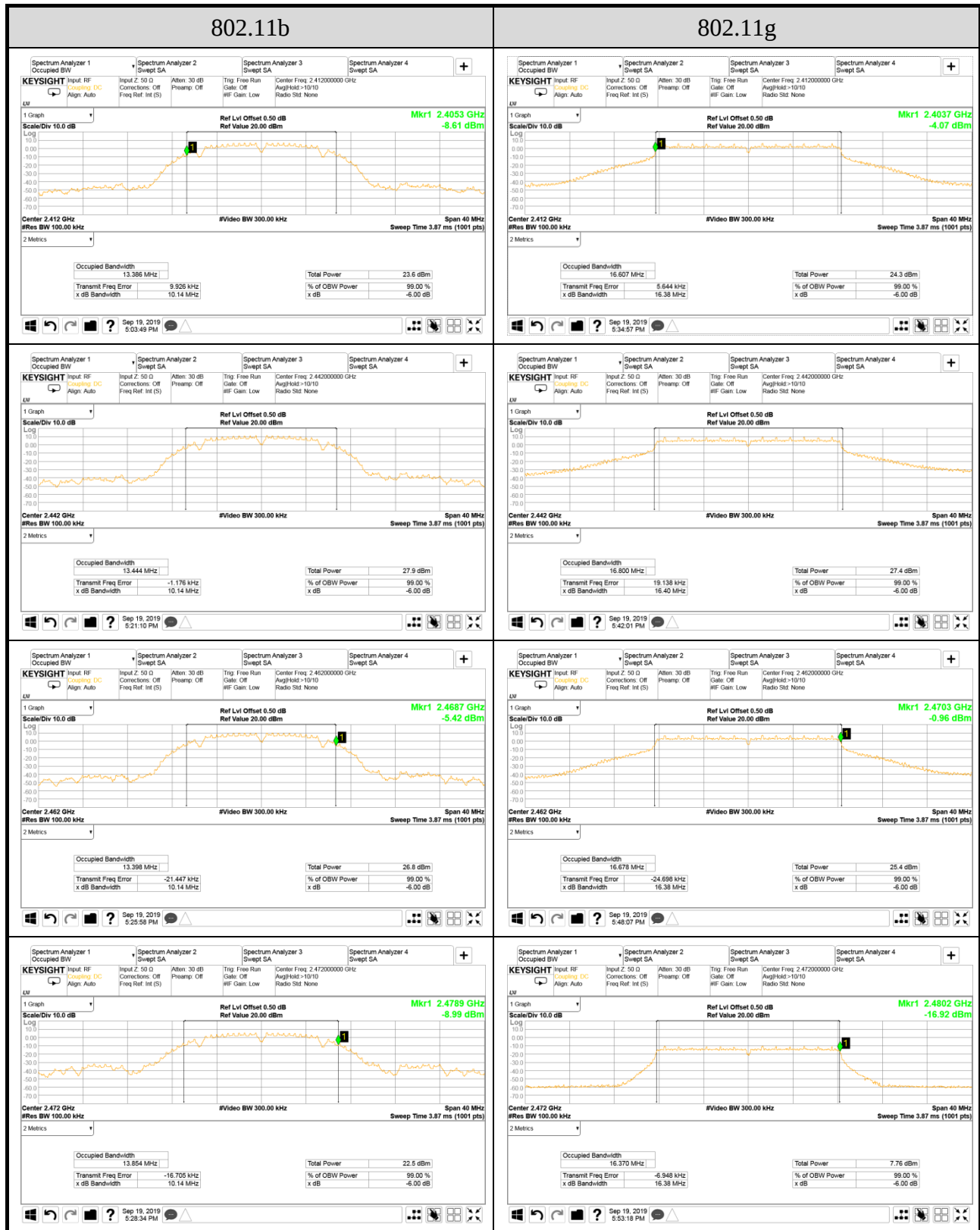
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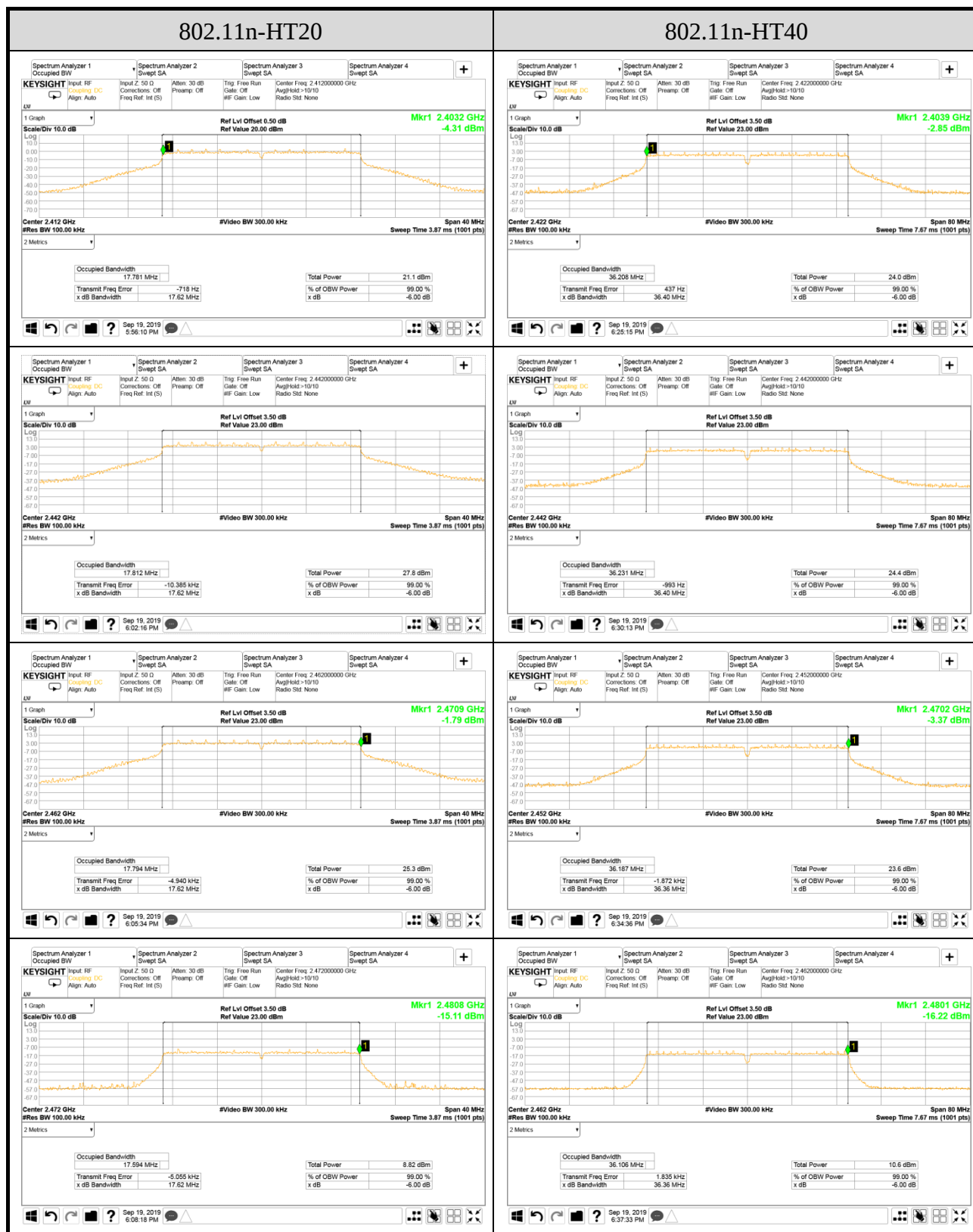
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Fax: +886 2 26099303

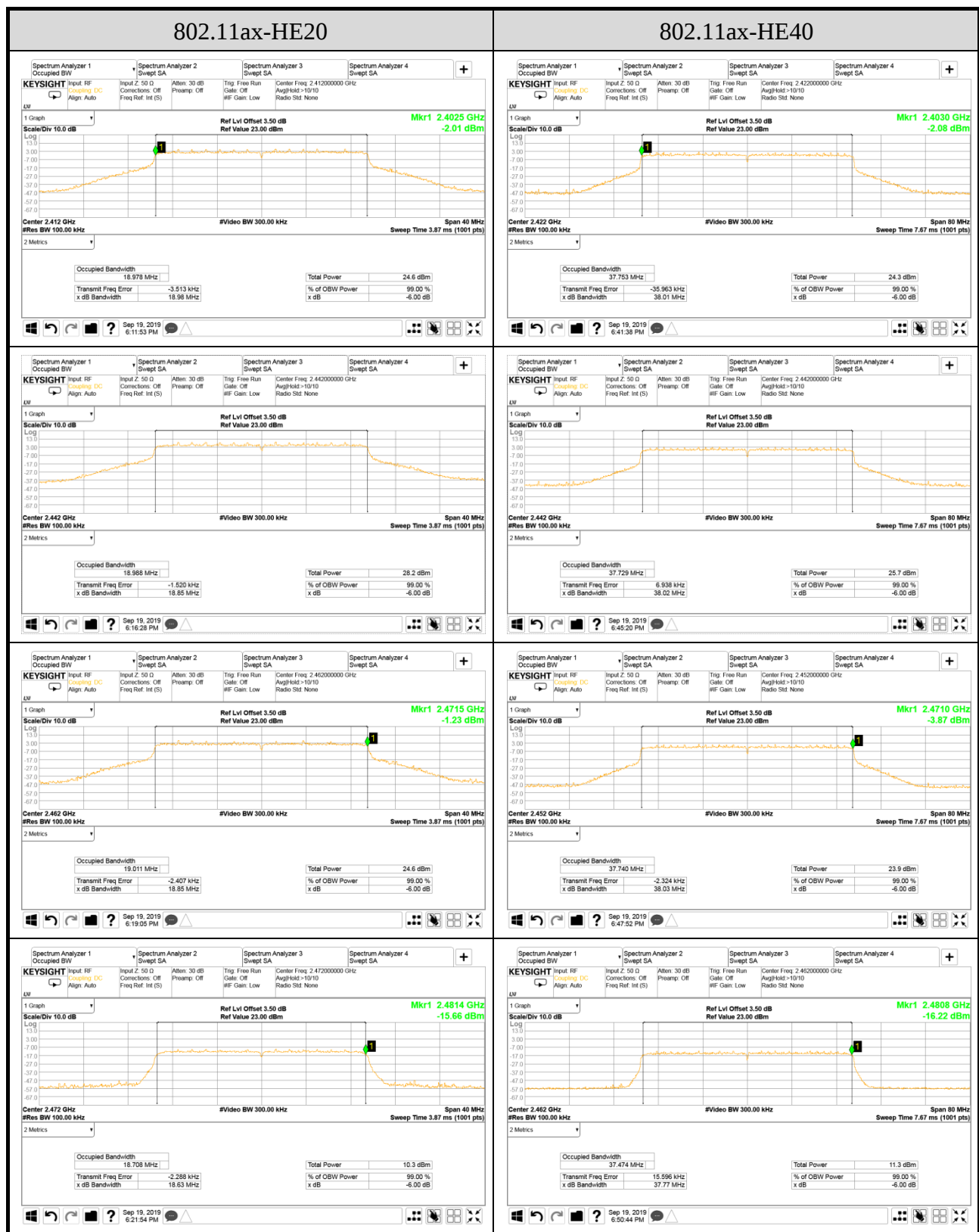
Mode	RU Configuration	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11ax-HE20	26/0	2412	2.063	18.272	>500kHz
	52/37		14.48	18.129	
	106/53		17.19	18.198	
	26/8	2472	2.032	18.036	
	52/40		16.96	17.940	
	106/54		17.04	17.965	
802.11ax-HE40	242/61	2422	18.88	18.740	
	242/62	2462	18.58	18.513	

Mode	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE	2402	0.6760	1.0648	>500kHz
	2440	0.6844	1.0613	
	2480	0.6956	1.0633	

A.3.2 Measurement Plots

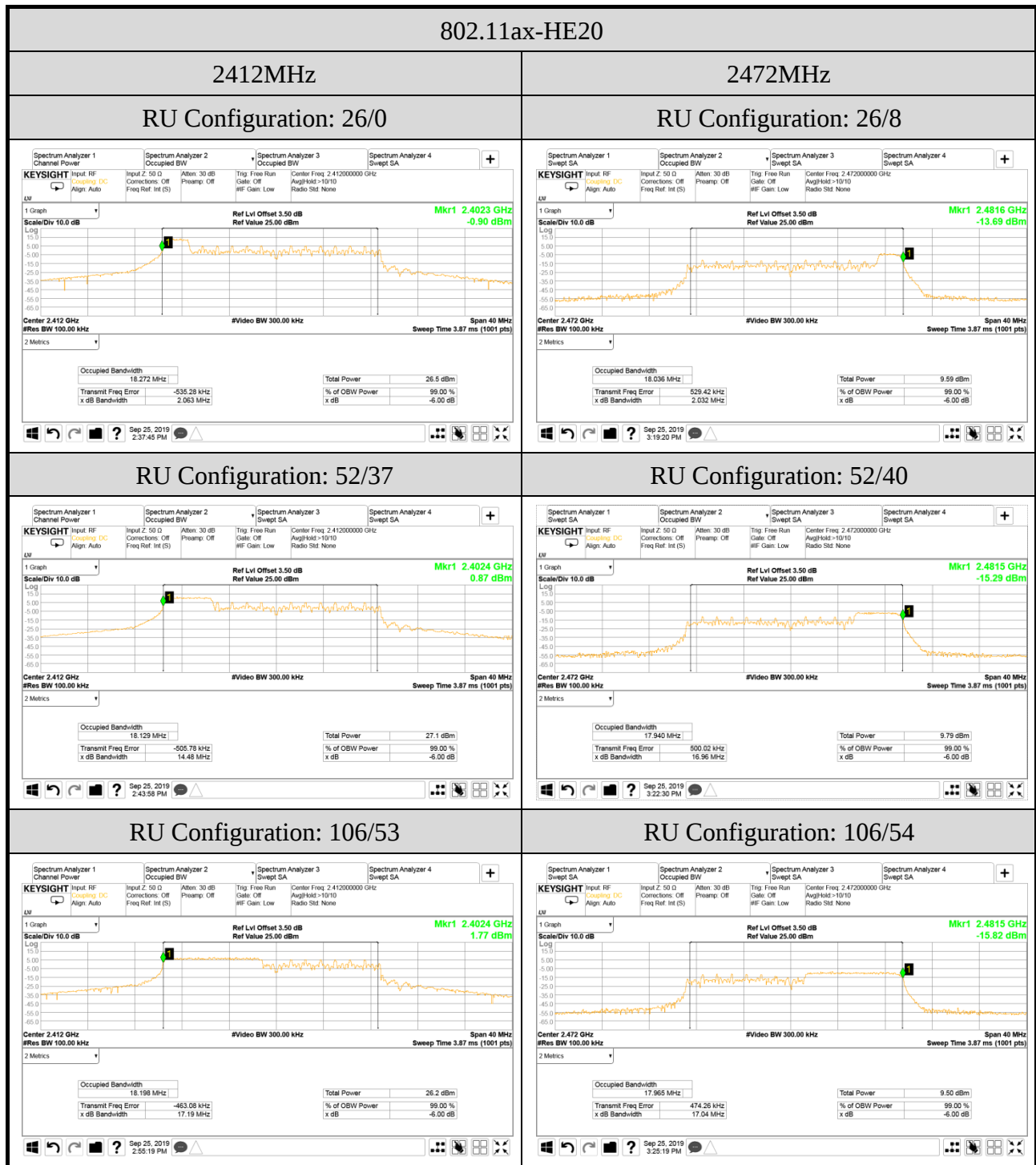






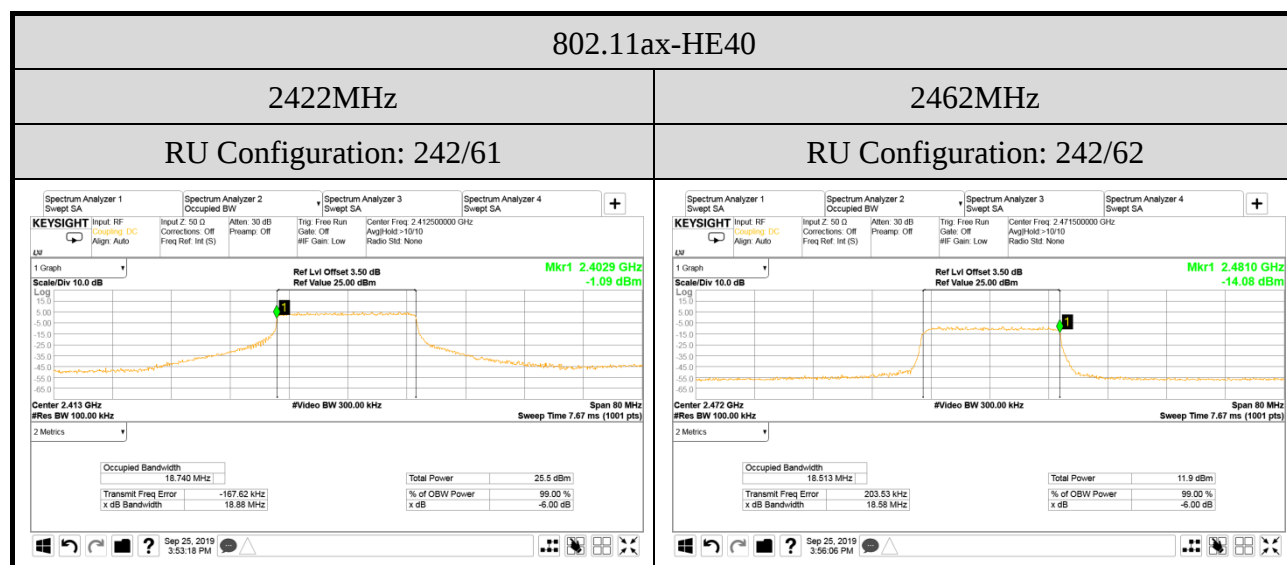
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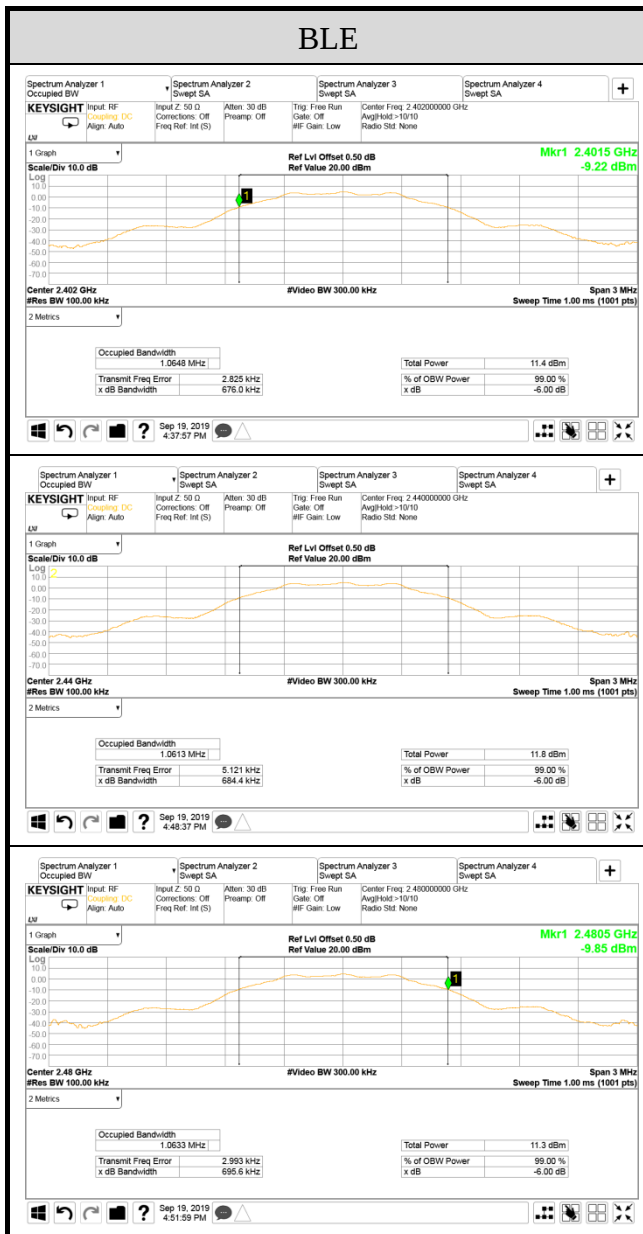
Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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





A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/19 ~ 25, 2020/08/17	Temp./Hum.	24~25°C / 50~54%, 26°C / 52%
Cable Loss	0.5dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.4.1 Peak Output Power

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11b	2412	21.62	21.83	21.83	0.152
	2417	22.24	22.41	22.41	0.174
	2442	22.42	22.51	22.51	0.178
	2457	22.20	22.40	22.40	0.174
	2462	21.57	21.59	21.59	0.144
	2467	20.71	20.62	20.71	0.118
	2472	15.63	15.57	15.63	0.037

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11g	2412	21.63	21.74	21.74	0.149
	2417	22.48	22.41	22.48	0.177
	2442	23.70	23.79	23.79	0.239
	2457	22.76	22.62	22.76	0.189
	2462	22.13	22.07	22.13	0.163
	2467	19.80	19.73	19.80	0.095
	2472	12.89	12.25	12.89	0.019

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT20	2412	19.02	19.24	22.14	0.164
	2417	20.22	20.09	23.17	0.207
	2442	22.02	21.93	24.99	0.316
	2457	20.37	20.33	23.36	0.217
	2462	19.63	19.50	22.58	0.181
	2467	17.09	16.99	20.05	0.101
	2472	10.02	9.78	12.91	0.020

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT40	2422	19.30	19.21	22.27	0.169
	2427	18.25	18.12	21.20	0.132
	2442	19.95	19.81	22.89	0.195
	2447	19.92	19.94	22.94	0.197
	2452	18.64	18.65	21.66	0.147
	2457	15.36	15.11	18.25	0.067
	2462	12.01	11.01	14.55	0.029

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	2412	18.92	19.20	22.07	0.161
	2417	20.21	20.14	23.19	0.208
	2442	21.91	21.94	24.94	0.312
	2457	20.41	20.20	23.32	0.215
	2462	19.61	19.52	22.58	0.181
	2467	16.94	17.01	19.99	0.100
	2472	10.17	9.89	13.04	0.020

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE40	2422	19.04	19.11	22.09	0.162
	2427	18.03	17.89	20.97	0.125
	2442	19.81	19.77	22.80	0.191
	2447	19.77	19.71	22.75	0.188
	2452	18.33	18.37	21.36	0.137
	2457	15.13	14.91	18.03	0.064
	2462	11.94	10.58	14.32	0.027

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
			Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	26/0	2412	23.67	23.60	26.65	0.462
	52/37		23.71	23.57	26.65	0.462
	106/53		23.74	23.60	26.68	0.466
	26/8	2472	10.21	10.84	13.55	0.023
	52/40		10.20	11.00	13.63	0.023
	106/54		10.32	10.92	13.64	0.023

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
			Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE40	242/61	2422	24.12	23.00	26.61	0.458
	242/62	2467	13.67	14.31	17.01	0.050

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
BLE (1M)	2402	4.76	---	4.76	0.0030
	2440	5.12	---	5.12	0.0033
	2480	5.72	---	5.72	0.0037
BLE (2M)	2402	4.74	---	4.74	0.0030
	2440	5.11	---	5.11	0.0033
	2480	5.70	---	5.70	0.0037
BLE (PHY Coded S2)	2402	4.73	---	4.73	0.0030
	2440	5.11	---	5.11	0.0033
	2480	5.71	---	5.71	0.0037
BLE (PHY Coded S8)	2402	4.72	---	4.72	0.0030
	2440	5.36	---	5.36	0.0033
	2480	4.65	---	4.65	0.0037

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Test SKU: SKU #1

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11b	2412	21.72	21.89	21.89	0.155	4.52	26.41	0.438	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.40	22.43	22.43	0.175		26.95	0.495	
	2442	22.53	22.52	22.53	0.179		27.05	0.507	
	2457	22.52	22.41	22.52	0.179		27.04	0.506	
	2462	21.61	21.55	21.61	0.145		26.13	0.410	
	2467	20.72	20.65	20.72	0.118		25.24	0.334	
	2472	15.64	15.56	15.64	0.037		20.16	0.104	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11g	2412	21.59	21.78	21.78	0.151	4.52	26.30	0.427	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.49	22.46	22.49	0.177		27.01	0.502	
	2442	23.71	23.81	23.81	0.240		28.33	0.681	
	2457	22.77	22.64	22.77	0.189		27.29	0.536	
	2462	22.14	22.05	22.14	0.164		26.66	0.463	
	2467	19.81	19.79	19.81	0.096		24.33	0.271	
	2472	12.92	12.29	12.92	0.020		17.44	0.055	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	19.04	19.25	22.16	0.164	4.52	26.68	0.466	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.21	20.11	23.17	0.207		27.69	0.587	
	2442	22.01	21.96	25.00	0.316		29.52	0.895	
	2457	20.38	20.34	23.37	0.217		27.89	0.615	
	2462	19.65	19.51	22.59	0.182		27.11	0.514	
	2467	17.11	17.01	20.07	0.102		24.59	0.288	
	2472	10.01	9.81	12.92	0.020		17.44	0.055	

Note: The results have been included cable loss.

Audix Technology Corp.

No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	19.32	19.22	22.28	0.169	4.52	26.80	0.479	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.22	18.17	21.21	0.132		25.73	0.374	
	2442	19.96	19.82	22.90	0.195		27.42	0.552	
	2447	19.98	19.93	22.97	0.198		27.49	0.561	
	2452	18.69	18.64	21.68	0.147		26.20	0.417	
	2457	15.36	15.14	18.26	0.067		22.78	0.190	
	2462	12.02	11.02	14.56	0.029		19.08	0.081	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	18.98	19.22	22.11	0.163	4.52	26.63	0.460	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.23	20.17	23.21	0.209		27.73	0.593	
	2442	21.93	21.95	24.95	0.313		29.47	0.885	
	2457	20.40	20.21	23.32	0.215		27.84	0.608	
	2462	19.63	19.53	22.59	0.182		27.11	0.514	
	2467	16.98	17.04	20.02	0.100		24.54	0.284	
	2472	10.21	9.91	13.07	0.020		17.59	0.057	

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No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	2422	19.08	19.13	22.12	0.163	4.52	26.64	0.461	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.02	17.94	20.99	0.126		25.51	0.356	
	2442	19.84	19.79	22.83	0.192		27.35	0.543	
	2447	19.81	19.73	22.78	0.190		27.30	0.537	
	2452	18.35	18.41	21.39	0.138		25.91	0.390	
	2457	15.11	14.94	18.04	0.064		22.56	0.180	
	2462	11.93	10.60	14.33	0.027		18.85	0.077	

Note: The results have been included cable loss.

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	23.52	23.65	26.60	0.457	4.52	31.12	1.294	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		23.55	23.62	26.60	0.457		31.12	1.294	
	106/53		23.42	23.67	26.56	0.453		31.08	1.282	
	26/8	2472	10.74	10.07	13.43	0.022		17.95	0.062	
	52/40		10.93	10.11	13.55	0.023		18.07	0.064	
	106/54		10.97	10.24	13.63	0.023		18.15	0.065	

Note: The results have been included cable loss.

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	242/61	2422	23.44	23.65	26.56	0.453	4.52	31.08	1.282	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	14.18	14.08	17.14	0.052		21.66	0.147	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
BLE (1M)	2402	4.85	---	4.85	0.0031	4.52	9.37	0.0086	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.37	---	5.37	0.0034		9.89	0.0097	
	2480	4.66	---	4.66	0.0029		9.18	0.0083	
BLE (2M)	2402	4.84	---	4.84	0.0030		9.36	0.0086	
	2440	5.37	---	5.37	0.0034		9.89	0.0097	
	2480	4.66	---	4.66	0.0029		9.18	0.0083	
BLE (PHY Coded S2)	2402	4.82	---	4.82	0.0030		9.34	0.0086	
	2440	5.36	---	5.36	0.0034		9.88	0.0097	
	2480	4.65	---	4.65	0.0029		9.17	0.0083	
BLE (PHY Coded S8)	2402	4.82	---	4.82	0.0030		9.34	0.0086	
	2440	5.36	---	5.36	0.0034		9.88	0.0097	
	2480	4.65	---	4.65	0.0029		9.17	0.0083	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

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Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11b	2412	21.72	21.89	21.89	0.155	4.8	26.69	0.467	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.40	22.43	22.43	0.175		27.23	0.528	
	2442	22.53	22.52	22.53	0.179		27.33	0.541	
	2457	22.52	22.41	22.52	0.179		27.32	0.540	
	2462	21.61	21.55	21.61	0.145		26.41	0.438	
	2467	20.72	20.65	20.72	0.118		25.52	0.356	
	2472	15.64	15.56	15.64	0.037		20.44	0.111	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11g	2412	21.59	21.78	21.78	0.151	4.8	26.58	0.455	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.49	22.46	22.49	0.177		27.29	0.536	
	2442	23.71	23.81	23.81	0.240		28.61	0.726	
	2457	22.77	22.64	22.77	0.189		27.57	0.571	
	2462	22.14	22.05	22.14	0.164		26.94	0.494	
	2467	19.81	19.79	19.81	0.096		24.61	0.289	
	2472	12.92	12.29	12.92	0.020		17.72	0.059	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	19.04	19.25	22.16	0.164	4.8	26.96	0.497	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.21	20.11	23.17	0.207		27.97	0.627	
	2442	22.01	21.96	25.00	0.316		29.80	0.955	
	2457	20.38	20.34	23.37	0.217		28.17	0.656	
	2462	19.65	19.51	22.59	0.182		27.39	0.548	
	2467	17.11	17.01	20.07	0.102		24.87	0.307	
	2472	10.01	9.81	12.92	0.020		17.72	0.059	

Note: The results have been included cable loss.

Audix Technology Corp.

No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	19.32	19.22	22.28	0.169	4.8	27.08	0.511	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.22	18.17	21.21	0.132		26.01	0.399	
	2442	19.96	19.82	22.90	0.195		27.70	0.589	
	2447	19.98	19.93	22.97	0.198		27.77	0.598	
	2452	18.69	18.64	21.68	0.147		26.48	0.445	
	2457	15.36	15.14	18.26	0.067		23.06	0.202	
	2462	12.02	11.02	14.56	0.029		19.36	0.086	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	18.98	19.22	22.11	0.163	4.8	26.91	0.491	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.23	20.17	23.21	0.209		28.01	0.632	
	2442	21.93	21.95	24.95	0.313		29.75	0.944	
	2457	20.40	20.21	23.32	0.215		28.12	0.649	
	2462	19.63	19.53	22.59	0.182		27.39	0.548	
	2467	16.98	17.04	20.02	0.100		24.82	0.303	
	2472	10.21	9.91	13.07	0.020		17.87	0.061	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	2422	19.08	19.13	22.12	0.163	4.8	26.92	0.492	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.02	17.94	20.99	0.126		25.79	0.379	
	2442	19.84	19.79	22.83	0.192		27.63	0.579	
	2447	19.81	19.73	22.78	0.190		27.58	0.573	
	2452	18.35	18.41	21.39	0.138		26.19	0.416	
	2457	15.11	14.94	18.04	0.064		22.84	0.192	
	2462	11.93	10.60	14.33	0.027		19.13	0.082	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	23.52	23.65	26.60	0.457	4.8	31.40	1.380	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		23.55	23.62	26.60	0.457		31.40	1.380	
	106/53		23.42	23.67	26.56	0.453		31.36	1.368	
	26/8	2472	10.74	10.07	13.43	0.022		18.23	0.067	
	52/40		10.93	10.11	13.55	0.023		18.35	0.068	
	106/54		10.97	10.24	13.63	0.023		18.43	0.070	

Note: The results have been included cable loss.

Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	242/61	2422	23.44	13.65	23.87	0.244	4.8	28.67	0.736	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	14.18	14.08	17.14	0.052		21.94	0.156	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
BLE (1M)	2402	4.85	---	4.85	0.0031	4.2	9.05	0.0080	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.37	---	5.37	0.0034		9.57	0.0091	
	2480	4.66	---	4.66	0.0029		8.86	0.0077	
BLE (2M)	2402	4.84	---	4.84	0.0030		9.04	0.0080	
	2440	5.37	---	5.37	0.0034		9.57	0.0091	
	2480	4.66	---	4.66	0.0029		8.86	0.0077	
BLE (PHY Coded S2)	2402	4.82	---	4.82	0.0030		9.02	0.0080	
	2440	5.36	---	5.36	0.0034		9.56	0.0090	
	2480	4.65	---	4.65	0.0029		8.85	0.0077	
BLE (PHY Coded S8)	2402	4.82	---	4.82	0.0030		9.02	0.0080	
	2440	5.36	---	5.36	0.0034		9.56	0.0090	
	2480	4.65	---	4.65	0.0029		8.85	0.0077	

Note: The results have been included cable loss.

A.4.2 Average Output Power (Reporting only)

SPOT CHECK

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11b	2412	18.89	19.33	0	19.33	0.086
	2417	19.57	19.95		19.95	0.099
	2442	19.64	20.01		20.01	0.100
	2457	19.73	19.93		19.93	0.098
	2462	19.05	18.94		19.05	0.080
	2467	17.36	18.03		18.03	0.064
	2472	12.32	13.04		13.04	0.020

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11g	2412	16.75	16.89	0	16.89	0.049
	2417	17.92	17.88		17.92	0.062
	2442	19.69	19.71		19.71	0.094
	2457	18.19	18.08		18.19	0.066
	2462	17.43	17.39		17.43	0.055
	2467	14.74	14.74		14.74	0.030
	2472	1.49	1.22		1.49	0.001

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11n-HT20	2412	14.25	14.17	0	17.22	0.053
	2417	15.46	15.36		18.42	0.070
	2442	17.45	17.11		20.29	0.107
	2457	15.77	15.53		18.66	0.073
	2462	14.84	14.59		17.73	0.059
	2467	12.09	11.79		14.95	0.031
	2472	-0.06	-0.88		2.56	0.002

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11n-HT40	2422	13.81	13.78	0	16.81	0.048
	2427	12.78	12.71		15.76	0.038
	2442	14.62	14.55		17.60	0.058
	2447	14.71	14.77		17.75	0.060
	2452	13.17	13.16		16.18	0.041
	2457	9.49	9.4		12.46	0.018
	2462	1.35	0.58		3.99	0.003

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11ax-HE20	2412	13.88	14.09	0	17.00	0.050
	2417	15.26	15.21		18.25	0.067
	2442	17.02	17.03		20.04	0.101
	2457	15.52	15.33		18.44	0.070
	2462	14.62	14.57		17.61	0.058
	2467	11.77	11.75		14.77	0.030
	2472	-0.16	-0.99		2.46	0.002

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11ax-HE40	2422	13.65	13.67	0	16.67	0.046
	2427	12.58	12.44		15.52	0.036
	2442	14.45	14.38		17.43	0.055
	2447	14.53	14.5		17.53	0.057
	2452	12.91	12.96		15.95	0.039
	2457	9.22	9.27		12.26	0.017
	2462	1.03	0.13		3.61	0.002

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
			Chain 0	Chain 1		(dBm)	(W)
802.11ax-HE20	26/0	2412	13.84	13.54	0	16.70	0.047
	52/37		13.9	13.7		16.81	0.048
	106/53		13.9	13.61		16.77	0.048
	26/8	2472	-2.26	-1.93		0.92	0.001
	52/40		-2.05	-1.63		1.18	0.001
	106/54		-1.93	-1.5		1.30	0.001

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power	
			Chain 0	Chain 1		(dBm)	(W)
802.11ax-HE40	242/61	2422	13.59	13.21	0	16.41	0.044
	242/62	2467	0.87	-0.25		3.36	0.002

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City 244, Taiwan

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

Test SKU: SKU #1

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11b	2412	19.16	19.35	0	19.35	0.086	4.52	23.87	0.244	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	19.91	19.96		19.96	0.099		24.48	0.281	
	2442	20.04	20.02		20.04	0.101		24.56	0.286	
	2457	20.02	19.95		20.02	0.100		24.54	0.284	
	2462	19.08	18.91		19.08	0.081		23.60	0.229	
	2467	18.18	18.08		18.18	0.066		22.70	0.186	
	2472	13.08	13.05		13.08	0.020		17.60	0.058	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11g	2412	16.72	16.91	0	16.91	0.049	4.52	21.43	0.139	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	17.94	17.90		17.94	0.062		22.46	0.176	
	2442	19.63	19.74		19.74	0.094		24.26	0.267	
	2457	18.21	18.05		18.21	0.066		22.73	0.187	
	2462	17.47	17.37		17.47	0.056		21.99	0.158	
	2467	14.79	14.78		14.79	0.030		19.31	0.085	
	2472	1.52	1.28		1.52	0.001		6.04	0.004	

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	14.01	14.23	0	17.13	0.052	4.52	21.65	0.146	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.45	15.38		18.43	0.070		22.95	0.197	
	2442	17.15	17.13		20.15	0.104		24.67	0.293	
	2457	15.63	15.55		18.60	0.072		23.12	0.205	
	2462	14.83	14.63		17.74	0.059		22.26	0.168	
	2467	11.95	11.84		14.91	0.031		19.43	0.088	
	2472	-0.04	-0.86		2.58	0.002		7.10	0.005	

Note: The results have been included cable loss.

Audix Technology Corp.

No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	13.83	13.81	0	16.83	0.048	4.52	21.35	0.136	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.8	12.73		15.78	0.038		20.30	0.107	
	2442	14.65	14.59		17.63	0.058		22.15	0.164	
	2447	14.78	14.73		17.77	0.060		22.29	0.169	
	2452	13.14	13.22		16.19	0.042		20.71	0.118	
	2457	9.53	9.42		12.49	0.018		17.01	0.050	
	2462	1.41	0.54		4.01	0.003		8.53	0.007	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	13.92	14.12	0	17.03	0.050	4.52	21.55	0.143	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.28	15.22		18.26	0.067		22.78	0.190	
	2442	17.03	17.05		20.05	0.101		24.57	0.286	
	2457	15.56	15.39		18.49	0.071		23.01	0.200	
	2462	14.68	14.58		17.64	0.058		22.16	0.164	
	2467	11.78	11.79		14.80	0.030		19.32	0.086	
	2472	-0.11	-0.95		2.50	0.002		7.02	0.005	

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	2422	13.66	13.7	0	16.69	0.047	4.52	21.21	0.132	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.61	12.49		15.56	0.036		20.08	0.102	
	2442	14.47	14.42		17.46	0.056		21.98	0.158	
	2447	14.58	14.55		17.58	0.057		22.10	0.162	
	2452	12.96	13.00		15.99	0.040		20.51	0.112	
	2457	9.28	9.24		12.27	0.017		16.79	0.048	
	2462	1.06	0.14		3.63	0.002		8.15	0.007	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	14.13	14.45	0	17.30	0.054	4.52	21.82	0.152	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		14.26	14.43		17.36	0.054		21.88	0.154	
	106/53		14.28	14.48		17.39	0.055		21.91	0.155	
	26/8	2472	-1.36	-2.57		1.09	0.001		5.61	0.004	
	52/40		-1.13	-2.29		1.34	0.001		5.86	0.004	
	106/54		-1.02	-2.05		1.51	0.001		6.03	0.004	

Note: The results have been included cable loss.

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	242/61	2422	13.85	14.08	0	16.98	0.050	4.52	21.50	0.141	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	1.27	1.17		4.23	0.003		8.75	0.007	

Note: The results have been included cable loss.

Audix Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

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

Test SKU: SKU #2

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11b	2412	19.16	19.35	0	19.35	0.086	4.8	24.15	0.260	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	19.91	19.96		19.96	0.099		24.76	0.299	
	2442	20.04	20.02		20.04	0.101		24.84	0.305	
	2457	20.02	19.95		20.02	0.100		24.82	0.303	
	2462	19.08	18.91		19.08	0.081		23.88	0.244	
	2467	18.18	18.08		18.18	0.066		22.98	0.199	
	2472	13.08	13.05		13.08	0.020		17.88	0.061	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11g	2412	16.72	16.91	0	16.91	0.049	4.8	21.71	0.148	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	17.94	17.9		17.94	0.062		22.74	0.188	
	2442	19.63	19.74		19.74	0.094		24.54	0.284	
	2457	18.21	18.05		18.21	0.066		23.01	0.200	
	2462	17.47	17.37		17.47	0.056		22.27	0.169	
	2467	14.79	14.78		14.79	0.030		19.59	0.091	
	2472	1.52	1.28		1.52	0.001		6.32	0.004	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	14.01	14.23	0	17.13	0.052	4.8	21.93	0.156	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.45	15.38		18.43	0.070		23.23	0.210	
	2442	17.15	17.13		20.15	0.104		24.95	0.313	
	2457	15.63	15.55		18.60	0.072		23.40	0.219	
	2462	14.83	14.63		17.74	0.059		22.54	0.179	
	2467	11.95	11.84		14.91	0.031		19.71	0.094	
	2472	-0.04	-0.86		2.58	0.002		7.38	0.005	

Note: The results have been included cable loss.

Audix Technology Corp.

No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	13.83	13.81	0	16.83	0.048	4.8	21.63	0.146	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.8	12.73		15.78	0.038		20.58	0.114	
	2442	14.65	14.59		17.63	0.058		22.43	0.175	
	2447	14.78	14.73		17.77	0.060		22.57	0.181	
	2452	13.14	13.22		16.19	0.042		20.99	0.126	
	2457	9.53	9.42		12.49	0.018		17.29	0.054	
	2462	1.41	0.54		4.01	0.003		8.81	0.008	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Total Average Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	13.92	14.12	17.03	0.050	4.8	21.83	0.152	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.28	15.22	18.26	0.067		23.06	0.202	
	2442	17.03	17.05	20.05	0.101		24.85	0.305	
	2457	15.56	15.39	18.49	0.071		23.29	0.213	
	2462	14.68	14.58	17.64	0.058		22.44	0.175	
	2467	11.78	11.79	14.80	0.030		19.60	0.091	
	2472	-0.11	-0.95	2.50	0.002		7.30	0.005	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Total Average Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	2422	13.66	13.7	16.69	0.047	4.8	21.49	0.141	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.61	12.49	15.56	0.036		20.36	0.109	
	2442	14.47	14.42	17.46	0.056		22.26	0.168	
	2447	14.58	14.55	17.58	0.057		22.38	0.173	
	2452	12.96	13	15.99	0.040		20.79	0.120	
	2457	9.28	9.24	12.27	0.017		17.07	0.051	
	2462	1.06	0.14	3.63	0.002		8.43	0.007	

Note: The results have been included cable loss.

Audix Technology Corp.

No. 53-11, Dingfu, Linkou, Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	14.13	14.45	0	17.30	0.054	4.8	22.10	0.162	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		14.26	14.43		17.36	0.054		22.16	0.164	
	106/53		14.28	14.48		17.39	0.055		22.19	0.166	
	26/8	2472	-1.36	-2.57		1.09	0.001		5.89	0.004	
	52/40		-1.13	-2.29		1.34	0.001		6.14	0.004	
	106/54		-1.02	-2.05		1.51	0.001		6.31	0.004	

Note: The results have been included cable loss.

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	242/61	2422	13.85	14.08	0	16.98	0.050	4.8	21.78	0.151	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	1.27	1.17		4.23	0.003		9.03	0.008	

Note: The results have been included cable loss.