

A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/19 ~ 25, 2020/10/30~11/02	Temp./Hum.	24~25°C /50~54%, 23°C/51~55%
Cable Loss	0.5dB	Tested By	Sean Wang/Kuper Hsu
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	21.85	21.85	0.153
	2417	22.25	22.36	22.36	0.172
	2442	22.37	22.48	22.48	0.177
	2457	22.26	22.39	22.39	0.173
	2462	21.51	21.61	21.61	0.145
	2467	20.77	20.70	20.77	0.119
	2472	15.58	15.52	15.58	0.036

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11g	2412	21.57	21.72	21.72	0.149
	2417	22.51	22.47	22.51	0.178
	2442	23.65	23.81	23.81	0.240
	2457	22.69	22.58	22.69	0.186
	2462	22.16	22.00	22.16	0.164
	2467	19.87	19.75	19.87	0.097
	2472	12.81	12.24	12.81	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	18.94	19.25	22.11	0.163
	2417	20.16	20.06	23.12	0.205
	2442	21.98	21.92	24.96	0.313
	2457	20.39	20.38	23.40	0.219
	2462	19.60	19.42	22.52	0.179
	2467	17.10	17.05	20.09	0.102
	2472	10.10	9.80	12.96	0.020

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n- HT40	2422	19.26	19.13	22.21	0.167
	2427	18.27	18.07	21.18	0.132
	2442	19.89	19.73	22.82	0.190
	2447	19.97	20.01	23.00	0.194
	2452	18.68	18.66	21.68	0.150
	2457	15.36	15.16	18.27	0.068
	2462	12.04	11.08	14.60	0.028

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax- HE20	2412	18.99	19.19	22.10	0.158
	2417	20.19	20.10	23.16	0.212
	2442	21.85	21.96	24.92	0.316
	2457	20.44	20.17	23.32	0.216
	2462	19.59	19.52	22.57	0.182
	2467	16.91	17.01	19.97	0.101
	2472	10.24	9.87	13.07	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	19.03	19.10	22.08	0.161
	2427	17.99	17.90	20.96	0.125
	2442	19.73	19.85	22.80	0.191
	2447	19.73	19.78	22.77	0.189
	2452	18.40	18.44	21.43	0.139
	2457	15.07	14.93	18.01	0.063
	2462	11.89	10.58	14.29	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	23.75	23.67	26.72	0.470
	52/37		23.73	23.60	26.68	0.466
	106/53		23.75	23.65	26.71	0.469
	26/8	2472	10.28	10.88	13.60	0.023
	52/40		10.15	11.08	13.65	0.023
	106/54		10.40	10.94	13.69	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	24.08	23.03	26.60	0.457
	242/62	2467	13.62	14.37	17.02	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	4.82	---	4.82	0.0030
	2440	5.14	---	5.14	0.0033
	2480	5.73	---	5.73	0.0037
BLE (2M)	2402	4.76	---	4.76	0.0030
	2440	5.12	---	5.12	0.0033
	2480	5.71	---	5.71	0.0037
BLE (PHY Coded S2)	2402	4.76	---	4.76	0.0030
	2440	5.13	---	5.13	0.0033
	2480	5.72	---	5.72	0.0037
BLE (PHY Coded S8)	2402	4.76	---	4.76	0.0030
	2440	5.41	---	5.41	0.0033
	2480	4.68	---	4.68	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.

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	6.8	28.69	0.740	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2417	22.40	22.43	22.43	0.175		29.23	0.838	
	2442	22.53	22.52	22.53	0.179		29.33	0.857	
	2457	22.52	22.41	22.52	0.179		29.32	0.855	
	2462	21.61	21.55	21.61	0.145		28.41	0.693	
	2467	20.72	20.65	20.72	0.118		27.52	0.565	
	2472	15.64	15.56	15.64	0.037		22.44	0.175	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	28.58	0.721	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2417	22.49	22.46	22.49	0.177		29.29	0.849	
	2442	23.71	23.81	23.81	0.240		30.61	1.151	
	2457	22.77	22.64	22.77	0.189		29.57	0.906	
	2462	22.14	22.05	22.14	0.164		28.94	0.783	
	2467	19.81	19.79	19.81	0.096		26.61	0.458	
	2472	12.92	12.29	12.92	0.020		19.72	0.094	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	28.96	0.787	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2417	20.21	20.11	23.17	0.207		29.97	0.993	
	2442	22.01	21.96	25.00	0.316		31.80	1.514	
	2457	20.38	20.34	23.37	0.217		30.17	1.040	
	2462	19.65	19.51	22.59	0.182		29.39	0.869	
	2467	17.11	17.01	20.07	0.102		26.87	0.486	
	2472	10.01	9.81	12.92	0.020		19.72	0.094	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	29.08	0.809	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2427	18.22	18.17	21.21	0.132		28.01	0.632	
	2442	19.96	19.82	22.90	0.195		29.70	0.933	
	2447	19.98	19.93	22.97	0.198		29.77	0.948	
	2452	18.69	18.64	21.68	0.147		28.48	0.705	
	2457	15.36	15.14	18.26	0.067		25.06	0.321	
	2462	12.02	11.02	14.56	0.029		21.36	0.137	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	28.91	0.778	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2417	20.23	20.17	23.21	0.209		30.01	1.002	
	2442	21.93	21.95	24.95	0.313		31.75	1.496	
	2457	20.40	20.21	23.32	0.215		30.12	1.028	
	2462	19.63	19.53	22.59	0.182		29.39	0.869	
	2467	16.98	17.04	20.02	0.100		26.82	0.481	
	2472	10.21	9.91	13.07	0.020		19.87	0.097	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	28.92	0.780	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2427	18.02	17.94	20.99	0.126		27.79	0.601	
	2442	19.84	19.79	22.83	0.192		29.63	0.918	
	2447	19.81	19.73	22.78	0.190		29.58	0.908	
	2452	18.35	18.41	21.39	0.138		28.19	0.659	
	2457	15.11	14.94	18.04	0.064		24.84	0.305	
	2462	11.93	10.60	14.33	0.027		21.13	0.130	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	33.40	2.188	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	52/37		23.55	23.62	26.60	0.457		33.40	2.188	
	106/53		23.42	23.67	26.56	0.453		33.36	2.168	
	26/8	2472	10.74	10.07	13.43	0.022		20.23	0.105	
	52/40		10.93	10.11	13.55	0.023		20.35	0.108	
	106/54		10.97	10.24	13.63	0.023		20.43	0.110	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	33.36	2.168	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	242/62	2467	14.18	14.08	17.14	0.052		23.94	0.248	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	11.65	0.0146	<29.2dBm (0.832W) ^{Note2} (Peak Output Power) <35.2dBm (3.311W) ^{Note2} (E.I.R.P)
	2440	5.37	---	5.37	0.0034		12.17	0.0165	
	2480	4.66	---	4.66	0.0029		11.46	0.0140	
BLE (2M)	2402	4.84	---	4.84	0.0030		11.64	0.0146	
	2440	5.37	---	5.37	0.0034		12.17	0.0165	
	2480	4.66	---	4.66	0.0029		11.46	0.0140	
BLE (PHY Coded S2)	2402	4.82	---	4.82	0.0030		11.62	0.0145	
	2440	5.36	---	5.36	0.0034		12.16	0.0164	
	2480	4.65	---	4.65	0.0029		11.45	0.0140	
BLE (PHY Coded S8)	2402	4.82	---	4.82	0.0030		11.62	0.0145	
	2440	5.36	---	5.36	0.0034		12.16	0.0164	
	2480	4.65	---	4.65	0.0029		11.45	0.0140	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

Test SKU: SKU #2

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	1.8	23.69	0.234	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.40	22.43	22.43	0.175		24.23	0.265	
	2442	22.53	22.52	22.53	0.179		24.33	0.271	
	2457	22.52	22.41	22.52	0.179		24.32	0.270	
	2462	21.61	21.55	21.61	0.145		23.41	0.219	
	2467	20.72	20.65	20.72	0.118		22.52	0.179	
	2472	15.64	15.56	15.64	0.037		17.44	0.055	

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	1.8	23.58	0.228	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.49	22.46	22.49	0.177		24.29	0.269	
	2442	23.71	23.81	23.81	0.240		25.61	0.364	
	2457	22.77	22.64	22.77	0.189		24.57	0.286	
	2462	22.14	22.05	22.14	0.164		23.94	0.248	
	2467	19.81	19.79	19.81	0.096		21.61	0.145	
	2472	12.92	12.29	12.92	0.020		14.72	0.030	

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	1.8	23.96	0.249	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.21	20.11	23.17	0.207		24.97	0.314	
	2442	22.01	21.96	25.00	0.316		26.80	0.479	
	2457	20.38	20.34	23.37	0.217		25.17	0.329	
	2462	19.65	19.51	22.59	0.182		24.39	0.275	
	2467	17.11	17.01	20.07	0.102		21.87	0.154	
	2472	10.01	9.81	12.92	0.020		14.72	0.030	

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-HT40	2422	19.32	19.22	22.28	0.169	1.8	24.08	0.256	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.22	18.17	21.21	0.132		23.01	0.200	
	2442	19.96	19.82	22.90	0.195		24.70	0.295	
	2447	19.98	19.93	22.97	0.198		24.77	0.300	
	2452	18.69	18.64	21.68	0.147		23.48	0.223	
	2457	15.36	15.14	18.26	0.067		20.06	0.101	
	2462	12.02	11.02	14.56	0.029		16.36	0.043	

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	1.8	23.91	0.246	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.23	20.17	23.21	0.209		25.01	0.317	
	2442	21.93	21.95	24.95	0.313		26.75	0.473	
	2457	20.40	20.21	23.32	0.215		25.12	0.325	
	2462	19.63	19.53	22.59	0.182		24.39	0.275	
	2467	16.98	17.04	20.02	0.100		21.82	0.152	
	2472	10.21	9.91	13.07	0.020		14.87	0.031	

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	1.8	23.92	0.247	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.02	17.94	20.99	0.126		22.79	0.190	
	2442	19.84	19.79	22.83	0.192		24.63	0.290	
	2447	19.81	19.73	22.78	0.190		24.58	0.287	
	2452	18.35	18.41	21.39	0.138		23.19	0.208	
	2457	15.11	14.94	18.04	0.064		19.84	0.096	
	2462	11.93	10.60	14.33	0.027		16.13	0.041	

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	1.8	28.40	0.692	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		23.55	23.62	26.60	0.457		28.40	0.692	
	106/53		23.42	23.67	26.56	0.453		28.36	0.685	
	26/8	2472	10.74	10.07	13.43	0.022		15.23	0.033	
	52/40		10.93	10.11	13.55	0.023		15.35	0.034	
	106/54		10.97	10.24	13.63	0.023		15.43	0.035	

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	1.8	25.67	0.369	<30dBm (1W) (Maximum Peak Output Power)
	242/62	2467	14.18	14.08	17.14	0.052		18.94	0.078	<36dBm (4W) (E.I.R.P)

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)	
BLE (1M)	2402	4.85	---	4.85	0.0031	1.8	6.65	0.0046	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.37	---	5.37	0.0034		7.17	0.0052	
	2480	4.66	---	4.66	0.0029		6.46	0.0044	
BLE (2M)	2402	4.84	---	4.84	0.0030		6.64	0.0046	
	2440	5.37	---	5.37	0.0034		7.17	0.0052	
	2480	4.66	---	4.66	0.0029		6.46	0.0044	
BLE (PHY Coded S2)	2402	4.82	---	4.82	0.0030		6.62	0.0046	
	2440	5.36	---	5.36	0.0034		7.16	0.0052	
	2480	4.65	---	4.65	0.0029		6.45	0.0044	
BLE (PHY Coded S8)	2402	4.82	---	4.82	0.0030		6.62	0.0046	
	2440	5.36	---	5.36	0.0034		7.16	0.0052	
	2480	4.65	---	4.65	0.0029		6.45	0.0044	

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	18.90	19.30	0	19.30	0.084
	2417	19.65	19.95		19.95	0.100
	2442	19.66	20.08		20.08	0.102
	2457	19.75	19.87		19.87	0.101
	2462	18.98	19.00		19.00	0.082
	2467	17.37	17.96		17.96	0.065
	2472	12.33	13.02		13.02	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	16.79	16.86	0	16.86	0.049
	2417	17.93	17.88		17.93	0.062
	2442	19.66	19.67		19.67	0.093
	2457	18.17	18.09		18.17	0.066
	2462	17.45	17.32		17.45	0.056
	2467	14.75	14.81		14.81	0.030
	2472	1.53	1.27		1.53	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.

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	14.17	14.12	0	17.16	0.052
	2417	15.46	15.31		18.40	0.069
	2442	17.4	17.04		20.23	0.105
	2457	15.76	15.57		18.68	0.074
	2462	14.91	14.64		17.79	0.060
	2467	12.02	11.73		14.89	0.031
	2472	-0.13	-0.84		2.54	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	13.84	13.76	0	16.81	0.048
	2427	12.84	12.75		15.81	0.038
	2442	14.58	14.51		17.56	0.057
	2447	14.78	14.74		17.77	0.060
	2452	13.15	13.22		16.20	0.042
	2457	9.49	9.47		12.49	0.018
	2462	1.31	0.62		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	13.94	14.09	0	17.03	0.050
	2417	15.19	15.19		18.20	0.066
	2442	17.07	17.02		20.06	0.101
	2457	15.51	15.37		18.45	0.070
	2462	14.56	14.52		17.55	0.057
	2467	11.78	11.7		14.75	0.030
	2472	-0.22	-1.04		2.40	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.

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	13.57	13.73	0	16.66	0.046
	2427	12.55	12.42		15.50	0.035
	2442	14.45	14.43		17.45	0.056
	2447	14.49	14.49		17.50	0.056
	2452	12.93	12.99		15.97	0.040
	2457	9.29	9.21		12.26	0.017
	2462	1.00	0.14		3.60	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	13.8	13.53	0	16.68	0.047
	52/37		13.82	13.63		16.74	0.047
	106/53		13.9	13.64		16.78	0.048
	26/8	2472	-2.28	-1.99		0.88	0.001
	52/40		-2.04	-1.69		1.15	0.001
	106/54		-1.99	-1.48		1.28	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	13.58	13.16	0	16.39	0.044
	242/62	2467	0.81	-0.18		3.35	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.

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	6.8	26.15	0.412	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2417	19.91	19.96		19.96	0.099		26.76	0.474	
	2442	20.04	20.02		20.04	0.101		26.84	0.483	
	2457	20.02	19.95		20.02	0.100		26.82	0.481	
	2462	19.08	18.91		19.08	0.081		25.88	0.387	
	2467	18.18	18.08		18.18	0.066		24.98	0.315	
	2472	13.08	13.05		13.08	0.020		19.88	0.097	

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	6.8	23.71	0.235	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2417	17.94	17.90		17.94	0.062		24.74	0.298	
	2442	19.63	19.74		19.74	0.094		26.54	0.451	
	2457	18.21	18.05		18.21	0.066		25.01	0.317	
	2462	17.47	17.37		17.47	0.056		24.27	0.267	
	2467	14.79	14.78		14.79	0.030		21.59	0.144	
	2472	1.52	1.28		1.52	0.001		8.32	0.007	

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	6.8	23.93	0.247	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2417	15.45	15.38		18.43	0.070		25.23	0.333	
	2442	17.15	17.13		20.15	0.104		26.95	0.495	
	2457	15.63	15.55		18.60	0.072		25.40	0.347	
	2462	14.83	14.63		17.74	0.059		24.54	0.284	
	2467	11.95	11.84		14.91	0.031		21.71	0.148	
	2472	-0.04	-0.86		2.58	0.002		9.38	0.009	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	23.63	0.231	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2427	12.8	12.73		15.78	0.038		22.58	0.181	
	2442	14.65	14.59		17.63	0.058		24.43	0.277	
	2447	14.78	14.73		17.77	0.060		24.57	0.286	
	2452	13.14	13.22		16.19	0.042		22.99	0.199	
	2457	9.53	9.42		12.49	0.018		19.29	0.085	
	2462	1.41	0.54		4.01	0.003		10.81	0.012	

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	6.8	23.83	0.242	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2417	15.28	15.22		18.26	0.067		25.06	0.321	
	2442	17.03	17.05		20.05	0.101		26.85	0.484	
	2457	15.56	15.39		18.49	0.071		25.29	0.338	
	2462	14.68	14.58		17.64	0.058		24.44	0.278	
	2467	11.78	11.79		14.80	0.030		21.60	0.145	
	2472	-0.11	-0.95		2.50	0.002		9.30	0.009	

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	6.8	23.49	0.223	<29.2dBm (0.832W) Note2 (Peak Output Power) <35.2dBm (3.311W) Note2 (E.I.R.P)
	2427	12.61	12.49		15.56	0.036		22.36	0.172	
	2442	14.47	14.42		17.46	0.056		24.26	0.267	
	2447	14.58	14.55		17.58	0.057		24.38	0.274	
	2452	12.96	13.00		15.99	0.040		22.79	0.190	
	2457	9.28	9.24		12.27	0.017		19.07	0.081	
	2462	1.06	0.14		3.63	0.002		10.43	0.011	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	6.8	24.10	0.257	<29.2dBm (0.832W) Note2 (Peak Output Power)
	52/37		14.26	14.43		17.36	0.054		24.16	0.261	
	106/53		14.28	14.48		17.39	0.055		24.19	0.262	
	26/8	2472	-1.36	-2.57		1.09	0.001		7.89	0.006	<35.2dBm (3.311W) Note2 (E.I.R.P)
	52/40		-1.13	-2.29		1.34	0.001		8.14	0.007	
	106/54		-1.02	-2.05		1.51	0.001		8.31	0.007	

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	6.8	23.78	0.239	<29.2dBm (0.832W) Note2 (Peak Output Power)
	242/62	2467	1.27	1.17		4.23	0.003		11.03	0.013	

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

2. The Peak Output Power limit (dBm)=30-(6.8-6)=29.2 ; The EIRP limit=36-(6.8-6)=35.2

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	1.8	21.15	0.130	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	19.91	19.96		19.96	0.099		21.76	0.150	
	2442	20.04	20.02		20.04	0.101		21.84	0.153	
	2457	20.02	19.95		20.02	0.100		21.82	0.152	
	2462	19.08	18.91		19.08	0.081		20.88	0.122	
	2467	18.18	18.08		18.18	0.066		19.98	0.100	
	2472	13.08	13.05		13.08	0.020		14.88	0.031	

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	1.8	18.71	0.074	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	17.94	17.9		17.94	0.062		19.74	0.094	
	2442	19.63	19.74		19.74	0.094		21.54	0.143	
	2457	18.21	18.05		18.21	0.066		20.01	0.100	
	2462	17.47	17.37		17.47	0.056		19.27	0.085	
	2467	14.79	14.78		14.79	0.030		16.59	0.046	
	2472	1.52	1.28		1.52	0.001		3.32	0.002	

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	1.8	18.93	0.078	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.45	15.38		18.43	0.070		20.23	0.105	
	2442	17.15	17.13		20.15	0.104		21.95	0.157	
	2457	15.63	15.55		18.60	0.072		20.40	0.110	
	2462	14.83	14.63		17.74	0.059		19.54	0.090	
	2467	11.95	11.84		14.91	0.031		16.71	0.047	
	2472	-0.04	-0.86		2.58	0.002		4.38	0.003	

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-HT40	2422	13.83	13.81	0	16.83	0.048	1.8	18.63	0.073	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.8	12.73		15.78	0.038		17.58	0.057	
	2442	14.65	14.59		17.63	0.058		19.43	0.088	
	2447	14.78	14.73		17.77	0.060		19.57	0.091	
	2452	13.14	13.22		16.19	0.042		17.99	0.063	
	2457	9.53	9.42		12.49	0.018		14.29	0.027	
	2462	1.41	0.54		4.01	0.003		5.81	0.004	

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	1.8	18.83	0.076	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.28	15.22	18.26	0.067		20.06	0.101	
	2442	17.03	17.05	20.05	0.101		21.85	0.153	
	2457	15.56	15.39	18.49	0.071		20.29	0.107	
	2462	14.68	14.58	17.64	0.058		19.44	0.088	
	2467	11.78	11.79	14.80	0.030		16.60	0.046	
	2472	-0.11	-0.95	2.50	0.002		4.30	0.003	

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	1.8	18.49	0.071	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.61	12.49	15.56	0.036		17.36	0.054	
	2442	14.47	14.42	17.46	0.056		19.26	0.084	
	2447	14.58	14.55	17.58	0.057		19.38	0.087	
	2452	12.96	13	15.99	0.040		17.79	0.060	
	2457	9.28	9.24	12.27	0.017		14.07	0.026	
	2462	1.06	0.14	3.63	0.002		5.43	0.003	

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-HE20	26/0	2412	14.13	14.45	0	17.30	0.054	1.8	19.10	0.081	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		14.26	14.43		17.36	0.054		19.16	0.082	
	106/53		14.28	14.48		17.39	0.055		19.19	0.083	
	26/8	2472	-1.36	-2.57		1.09	0.001		2.89	0.002	
	52/40		-1.13	-2.29		1.34	0.001		3.14	0.002	
	106/54		-1.02	-2.05		1.51	0.001		3.31	0.002	

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	1.8	18.78	0.076	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	1.27	1.17		4.23	0.003		6.03	0.004	

Note: The results have been included cable loss.

A.4.3 Measurement Plots



