

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	

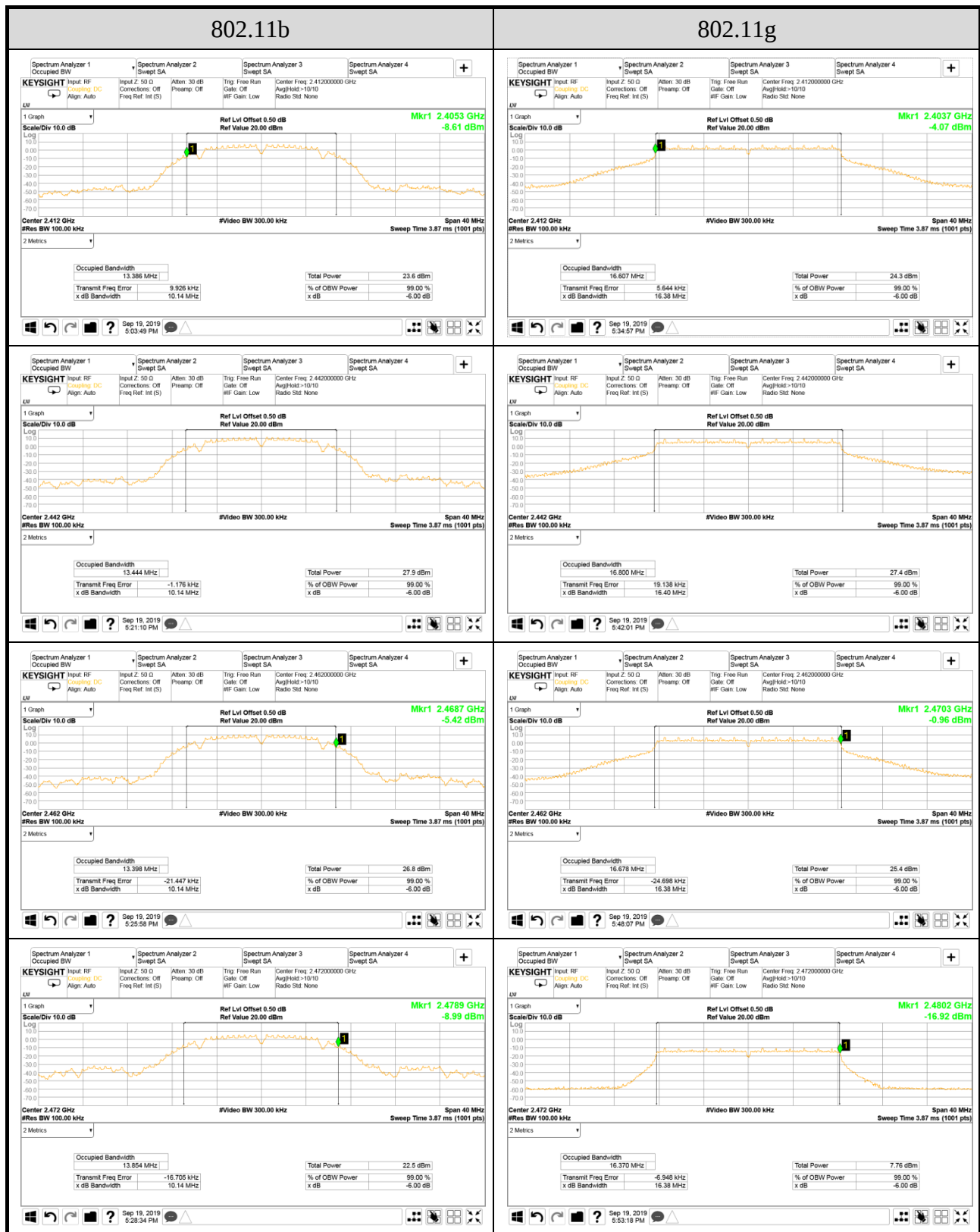
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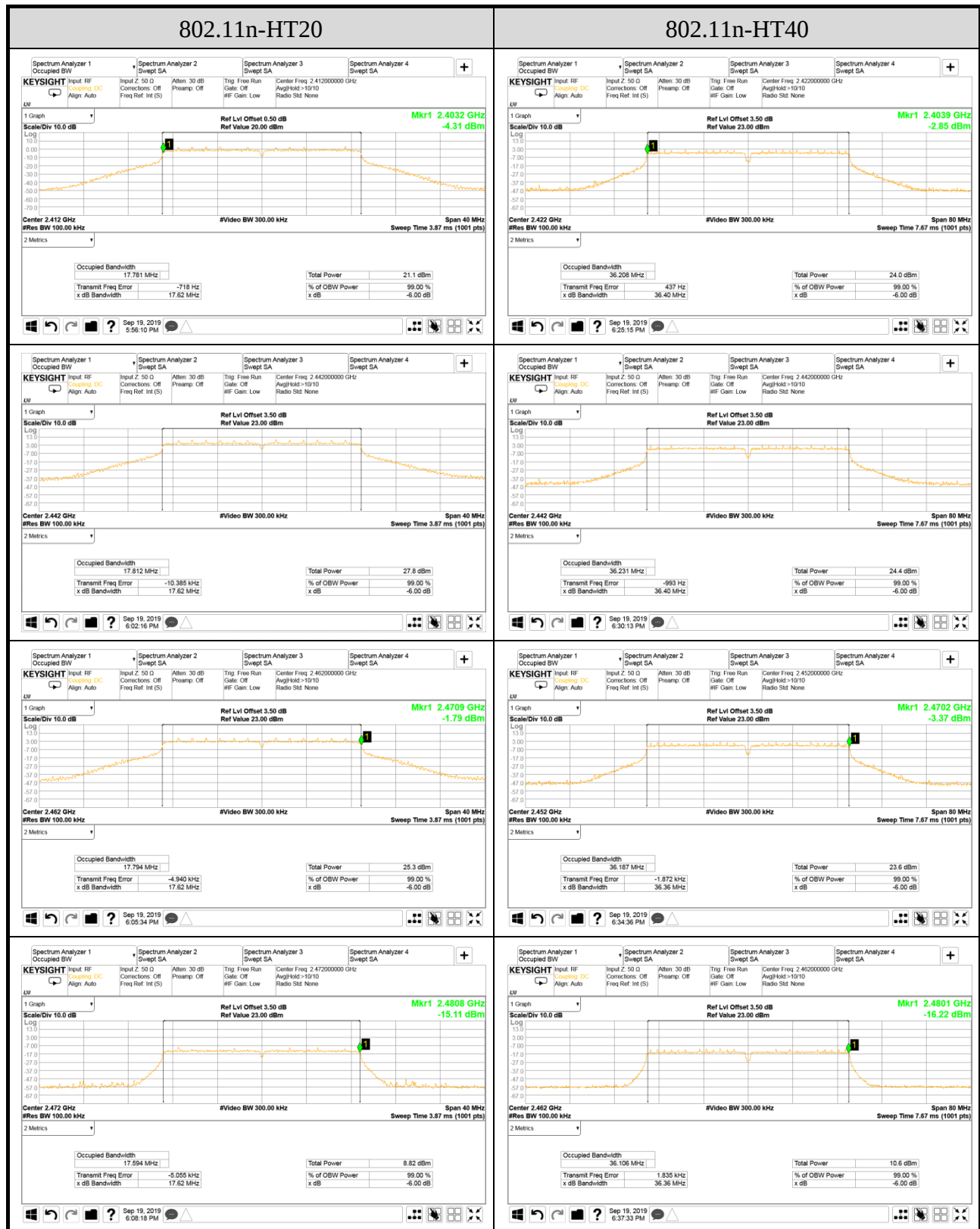
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Mode	RU Configuration	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11ax-HE20	26/0	2412	2.063	18.272	>500kHz
	52/37		14.48	18.129	
	106/53		17.19	18.198	
	26/8	2472	2.032	18.036	
	52/40		16.96	17.940	
	106/54		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	

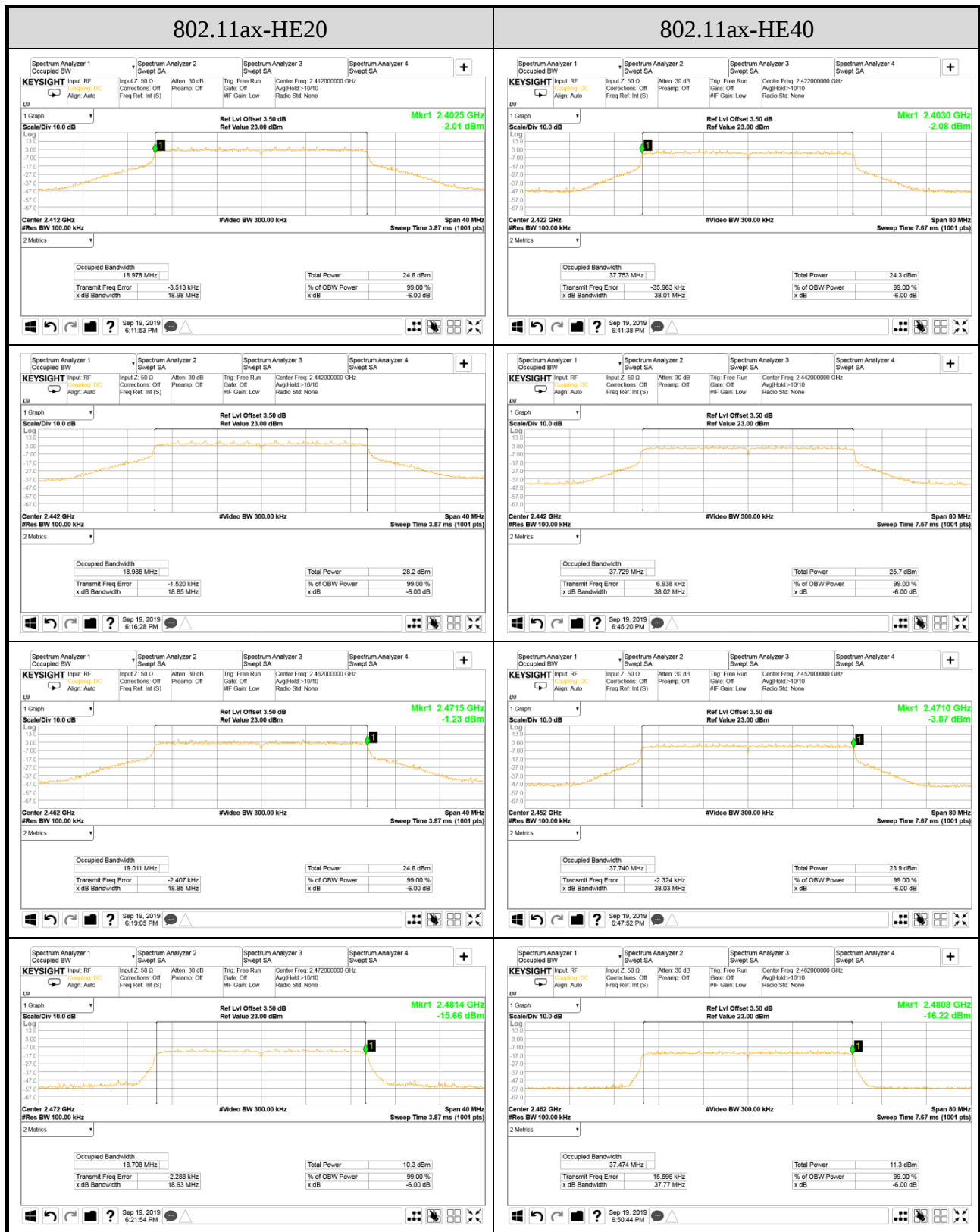
A.3.2 Measurement Plots





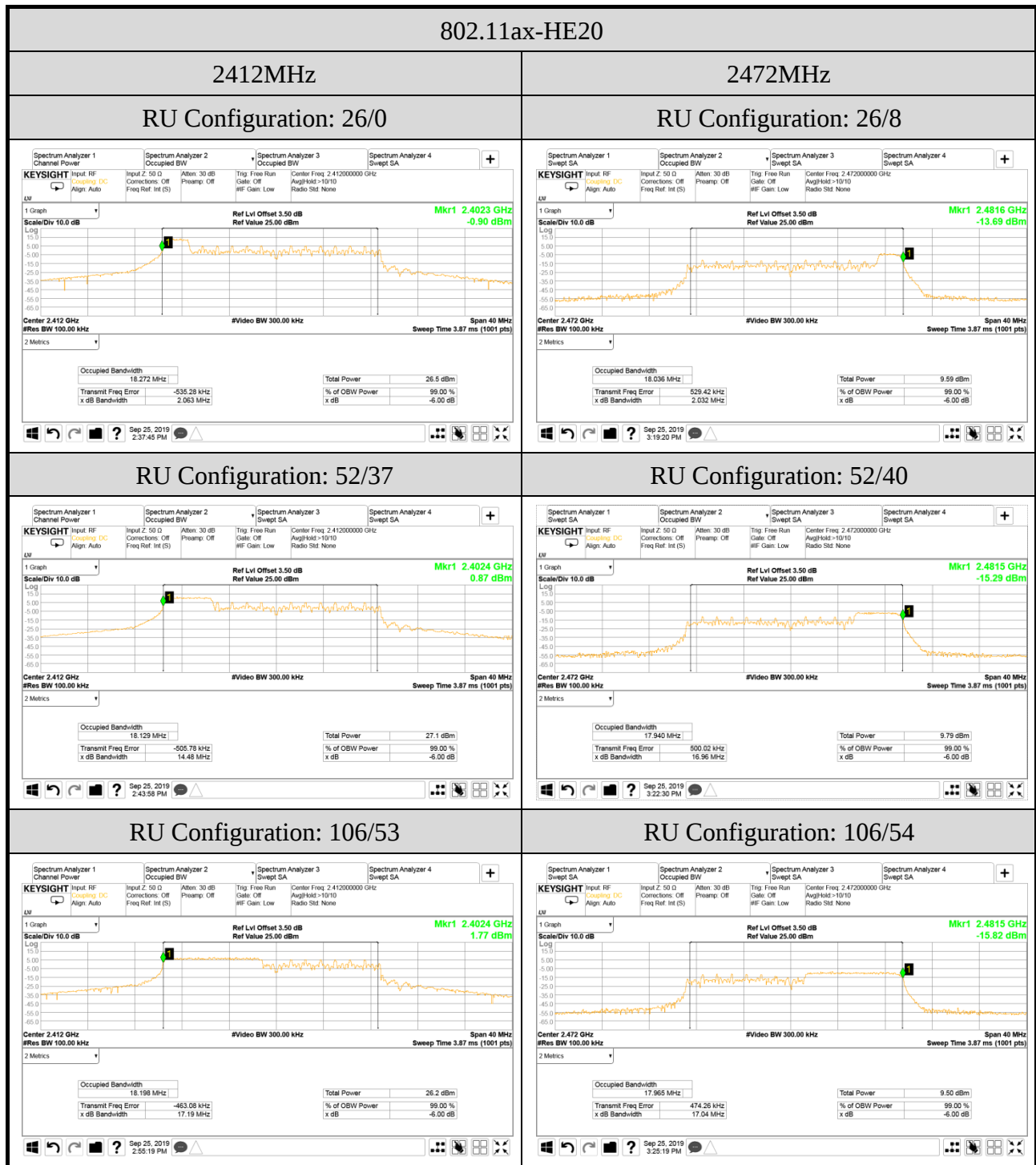
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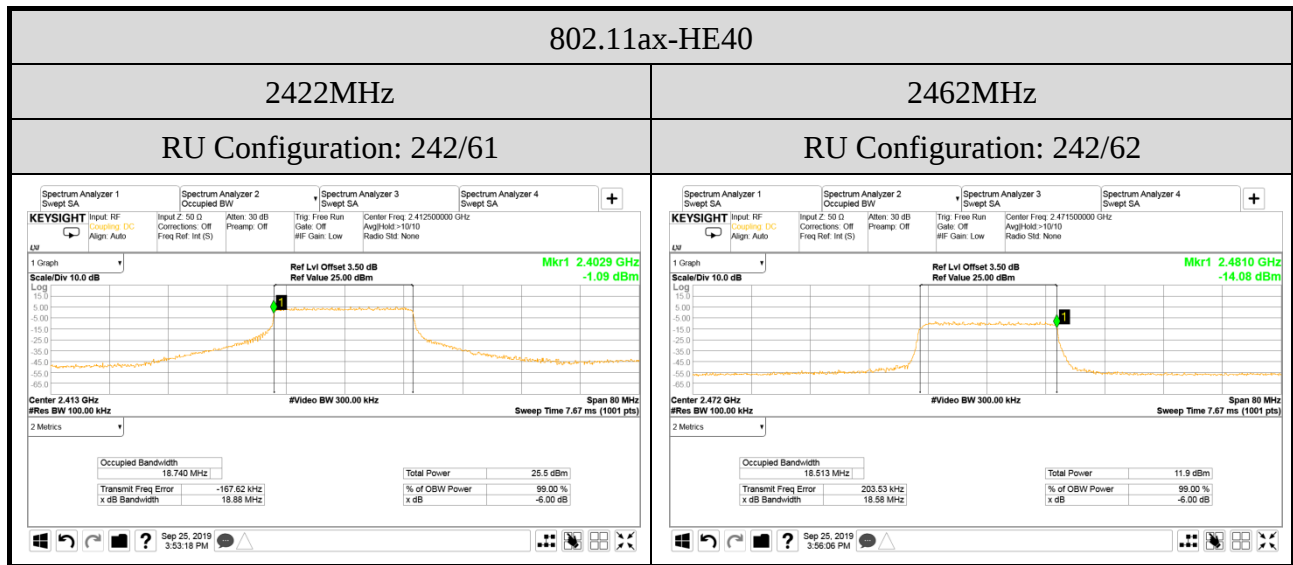
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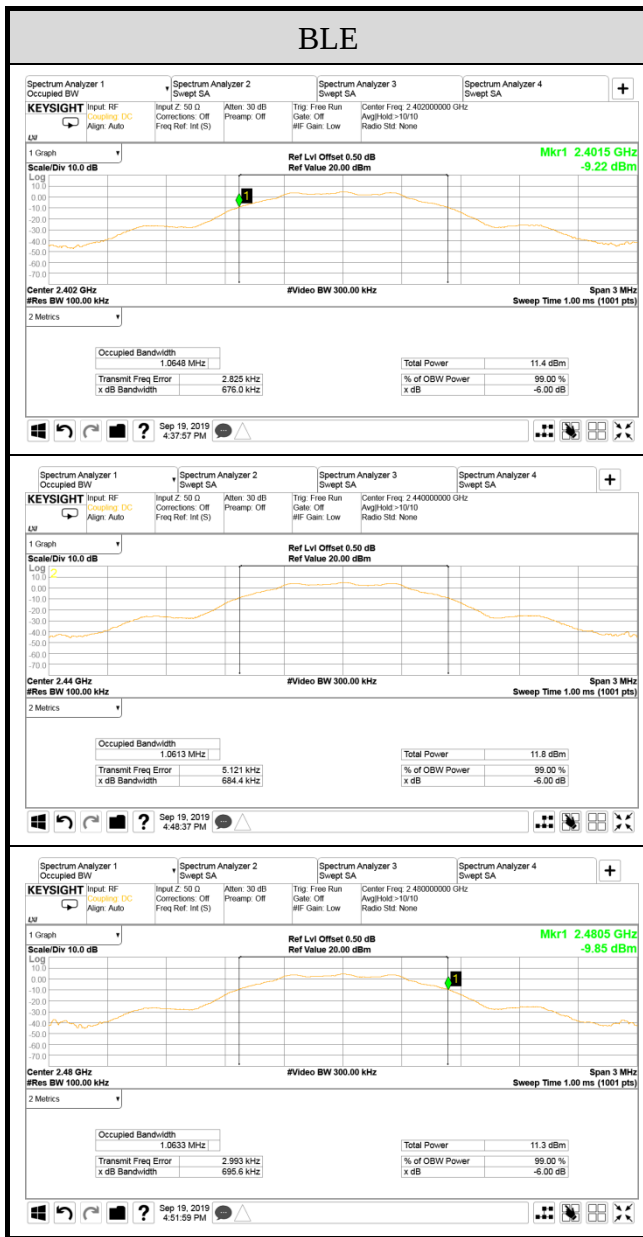
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A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	(1)2019/09/19 ~ 25	Temp./Hum.	(1)24~25°C /50~54%
	(2)2021/08/12 ~ 13		(2)24°C /53~54%
Cable Loss	0.5dB	Tested By	(1)Sean Wang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		(2)Kuper Hsu

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	21.78	21.80	21.80	0.151
	2417	21.72	22.27	22.27	0.169
	2442	22.43	22.09	22.43	0.175
	2457	22.29	22.00	22.29	0.169
	2462	21.33	20.50	21.33	0.136
	2467	20.75	19.98	20.75	0.119
	2472	15.42	15.38	15.42	0.035

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11g	2412	21.70	20.83	21.70	0.148
	2417	22.31	21.77	22.31	0.170
	2442	23.60	23.50	23.60	0.229
	2457	22.54	22.45	22.54	0.179
	2462	21.44	22.05	22.05	0.160
	2467	19.73	19.43	19.73	0.094
	2472	12.66	11.54	12.66	0.018

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.

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT20	2412	18.75	19.18	21.98	0.158
	2417	20.20	19.97	23.10	0.204
	2442	22.35	21.32	24.88	0.308
	2457	20.06	20.64	23.37	0.217
	2462	19.47	19.41	22.45	0.176
	2467	16.81	17.01	19.92	0.098
	2472	10.27	9.19	12.77	0.019
Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT40	2422	19.18	18.93	22.07	0.161
	2427	17.67	18.51	21.12	0.129
	2442	20.00	19.65	22.84	0.192
	2447	19.44	19.85	22.66	0.185
	2452	18.62	18.59	21.62	0.145
	2457	15.30	15.00	18.16	0.065
	2462	11.79	11.21	14.52	0.028
Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	2412	19.18	18.93	22.07	0.161
	2417	20.18	20.03	23.12	0.205
	2442	21.73	21.95	24.85	0.305
	2457	20.09	20.20	23.16	0.207
	2462	19.76	19.20	22.50	0.178
	2467	16.97	16.75	19.87	0.097
	2472	9.84	10.06	12.96	0.020
Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE40	2422	18.86	19.09	21.99	0.158
	2427	17.94	17.86	20.91	0.123
	2442	19.72	19.56	22.65	0.184
	2447	19.77	19.46	22.63	0.183
	2452	18.43	18.06	21.26	0.134
	2457	15.18	14.61	17.91	0.062
	2462	11.65	10.62	14.18	0.026

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.

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SPOT CHECK

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	23.49	23.49	26.50	0.447
	52/37		23.46	23.53	26.51	0.448
	106/53		23.27	23.56	26.43	0.440
	26/8	2472	10.63	10.36	13.51	0.022
	52/40		10.68	10.22	13.47	0.022
	106/54		10.81	10.32	13.58	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	23.15	23.61	26.40	0.437
	242/62	2467	14.90	12.62	16.92	0.049

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.

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
BLE (1M)	2402	4.71	---	4.71	0.0030
	2440	5.08	---	5.08	0.0032
	2480	5.67	---	5.67	0.0037
BLE (2M)	2402	4.71	---	4.71	0.0030
	2440	5.32	---	5.32	0.0032
	2480	5.71	---	5.71	0.0037
BLE (PHY Coded S2)	2402	4.66	---	4.66	0.0030
	2440	5.08	---	5.08	0.0032
	2480	5.58	---	5.58	0.0037
BLE (PHY Coded S8)	2402	4.61	---	4.61	0.0030
	2440	5.09	---	5.09	0.0032
	2480	4.60	---	4.60	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.

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Test SKU: SKU #2 (with INPAQ Antenna)

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	
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	
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

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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	
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	
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

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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	
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

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Test SKU: SKU #1 (with LUXSHARE-ICT Antenna)

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	
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	
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.

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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	
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	
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.

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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	
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) <36dBm (4W) (E.I.R.P)
	242/62	2467	14.18	14.08	17.14	0.052		18.94	0.078	

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.

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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	17.95	19.26	0	19.26	0.084
	2417	19.63	19.90		19.90	0.098
	2442	19.82	20.01		20.01	0.100
	2457	19.55	19.81		19.81	0.096
	2462	18.98	18.32		18.98	0.079
	2467	17.86	17.83		17.86	0.061
	2472	12.26	12.99		12.99	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	16.07	16.80	0	16.80	0.048
	2417	17.83	17.80		17.83	0.061
	2442	19.57	19.62		19.62	0.092
	2457	18.14	17.45		18.14	0.065
	2462	17.07	17.33		17.33	0.054
	2467	14.70	14.43		14.70	0.030
	2472	1.51	0.15		1.51	0.001
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	14.23	14.04	0	17.15	0.052
	2417	15.45	15.24		18.36	0.069
	2442	17.17	17.06		20.13	0.103
	2457	15.75	15.36		18.57	0.072
	2462	14.49	15.00		17.76	0.060
	2467	11.87	11.60		14.75	0.030
	2472	-0.25	-0.92		2.44	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	13.65	13.71	0	16.69	0.047
	2427	12.76	12.57		15.68	0.037
	2442	14.04	14.59		17.33	0.054
	2447	14.51	14.89		17.71	0.059
	2452	13.30	12.98		16.15	0.041
	2457	9.23	9.53		12.39	0.017
	2462	1.28	0.58		3.95	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.

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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	13.87	13.92	0	16.91	0.049
	2417	15.34	14.85		18.11	0.065
	2442	17.17	16.55		19.88	0.097
	2457	15.44	15.29		18.38	0.069
	2462	14.52	14.41		17.48	0.056
	2467	11.60	11.66		14.64	0.029
	2472	-0.28	-1.08		2.35	0.002

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	13.60	13.59	0	16.61	0.046
	2427	12.34	12.51		15.44	0.035
	2442	14.30	14.48		17.40	0.055
	2447	14.38	14.44		17.42	0.055
	2452	12.97	12.89		15.94	0.039
	2457	9.26	9.09		12.19	0.017
	2462	1.02	0.08		3.59	0.002

Mode	RU Configuration	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	13.05	14.13	0	16.63	0.046
	52/37		13.58	13.52		16.56	0.045
	106/53		13.39	13.81		16.62	0.046
	26/8	2472	-2.03	-2.42		0.79	0.001
	52/40		-1.89	-2.14		1.00	0.001
	106/54		-1.51	-2.34		1.11	0.001

Mode	RU Configuration	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	13.31	13.37	0	16.35	0.043
	242/62	2467	1.18	-0.97		3.25	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 #2 (with INPAQ Antenna)

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

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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

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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) ^N ote2 (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 #1 (with LUXSHARE-ICT Antenna)

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	
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	
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.

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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	

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	

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.

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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	
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.