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New Taipei City244, Taiwan

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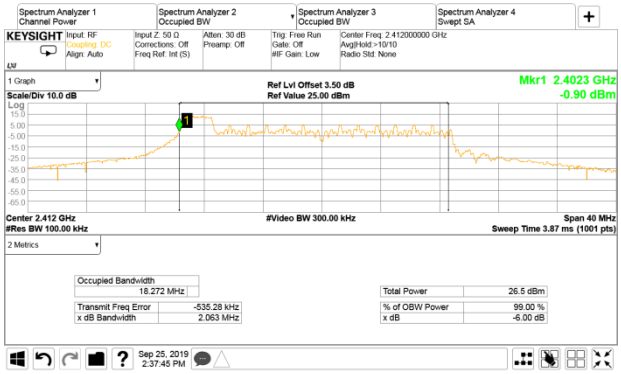
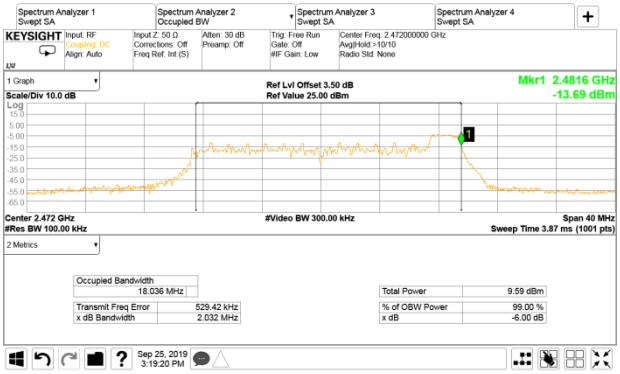
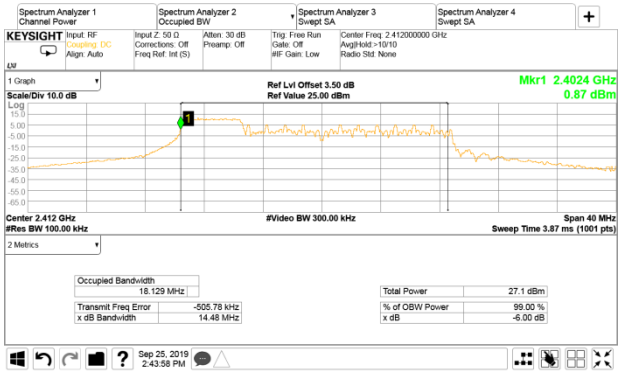
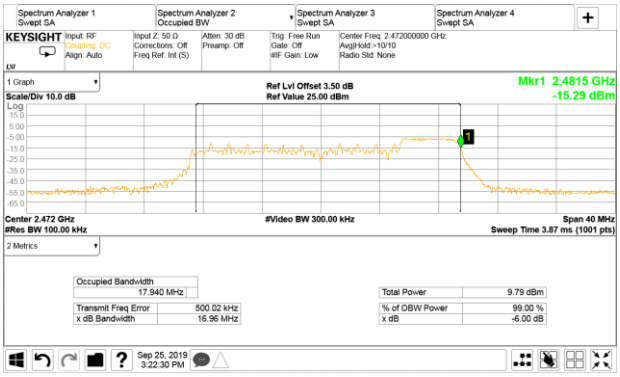
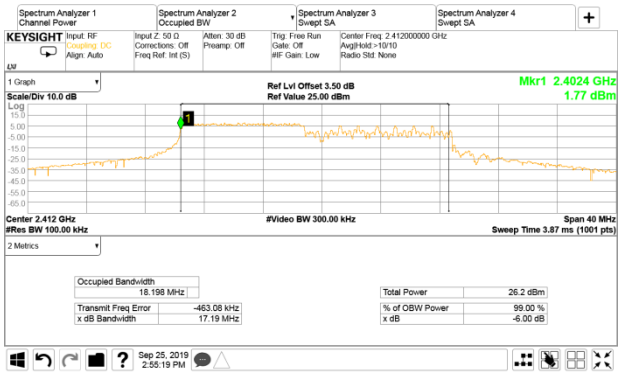
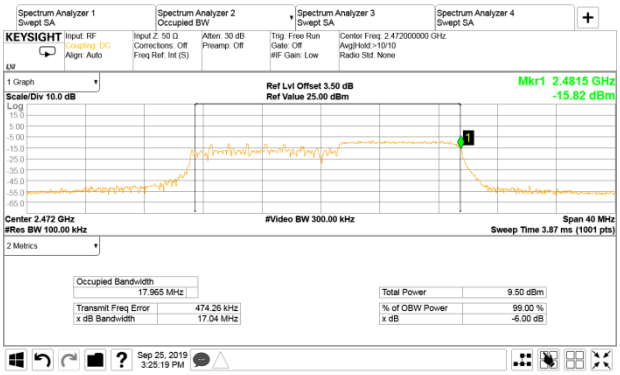
Fax: +886 2 26099303

802.11ax-HE20	
2412MHz	2472MHz
RU Configuration: 26/0	RU Configuration: 26/8
	
RU Configuration: 52/37	RU Configuration: 52/40
	
RU Configuration: 106/53	RU Configuration: 106/54
	

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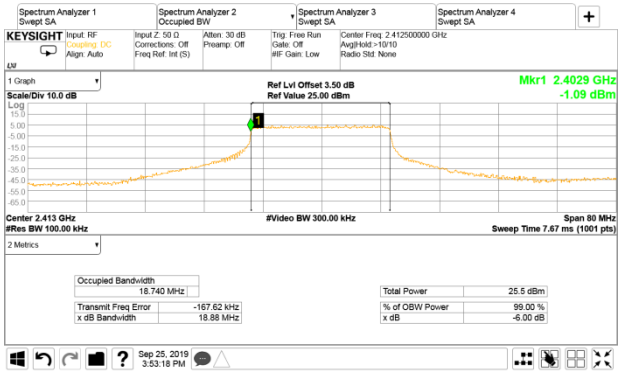
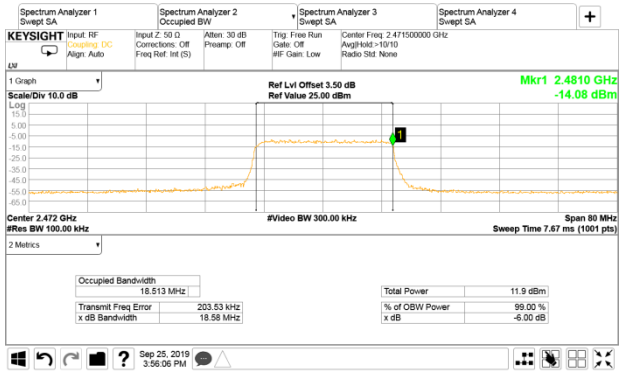
Fax: +886 2 26099303

802.11ax-HE40	
2422MHz	2462MHz
RU Configuration: 242/61	RU Configuration: 242/62
	

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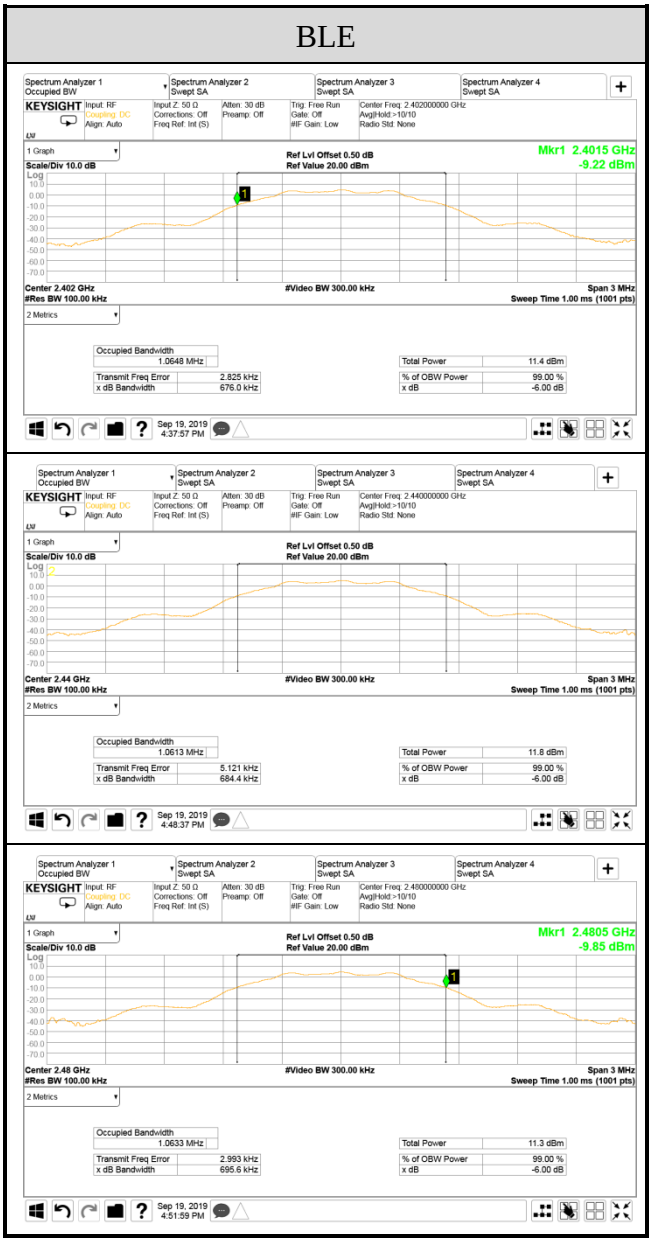
BLE



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A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/18 ~ 27	Temp./Hum.	24~25℃/49~51%
Test Voltage	AC 120V, 60Hz (via AC Adapter)	Tested By	Martin Chen
Cable Loss	---	Test Model	17Z90N

A.4.1 Peak Output Power

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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11b	2412	21.68	21.91	21.91	0.155
	2417	22.36	22.45	22.45	0.176
	2442	22.55	22.51	22.55	0.180
	2457	22.54	22.45	22.54	0.179
	2462	21.63	21.59	21.63	0.146
	2467	20.69	20.61	20.69	0.117
	2472	15.58	15.59	15.59	0.036

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)	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.

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11g	2412	21.64	21.81	21.81	0.152
	2417	22.52	21.44	22.52	0.179
	2442	23.76	23.86	23.86	0.243
	2457	22.81	22.65	22.81	0.191
	2462	22.17	22.09	22.17	0.165
	2467	19.83	19.76	19.83	0.096
	2472	12.94	12.28	12.94	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.

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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-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	

SPOT CHECK

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	20.18	20.12	23.16	0.207
	2442	21.96	21.94	24.96	0.313
	2457	20.41	20.32	23.38	0.218
	2462	19.68	19.53	22.62	0.183
	2467	17.09	16.97	20.04	0.101
	2472	10.04	9.84	12.95	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.

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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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT40	2422	19.34	19.24	22.30	0.170
	2427	18.26	18.19	21.24	0.133
	2442	19.94	19.79	22.88	0.194
	2447	19.98	19.94	22.97	0.198
	2452	18.64	18.61	21.64	0.146
	2457	15.38	15.20	18.30	0.068
	2462	12.06	11.04	14.59	0.029

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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New Taipei City244, Taiwan
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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-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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	2412	19.01	19.24	22.14	0.164
	2417	20.24	20.19	23.23	0.210
	2442	21.96	21.98	24.98	0.315
	2457	20.37	22.18	24.38	0.274
	2462	19.64	19.54	22.60	0.182
	2467	17.02	17.08	20.06	0.101
	2472	10.16	9.86	13.02	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.

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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)	
802.11ax-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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE40	2422	19.11	19.16	22.15	0.164
	2427	17.98	17.90	20.95	0.124
	2442	19.81	19.81	22.82	0.191
	2447	19.79	19.69	22.75	0.188
	2452	18.32	18.38	21.36	0.137
	2457	15.13	14.98	18.07	0.064
	2462	11.97	10.64	14.37	0.027

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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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	4.52	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	

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	23.57	23.71	26.65	0.462
	52/37		23.60	23.64	26.63	0.460
	106/53		23.48	23.69	26.60	0.457
	26/8	2472	10.71	10.02	13.39	0.022
	52/40		10.93	10.16	13.57	0.023
	106/54		10.99	10.18	13.61	0.023

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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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-HE40	242/61	2422	23.44	13.65	23.87	0.244	4.52	28.39	0.690	<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	

SPOT CHECK

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	23.43	13.64	23.86	0.243
	242/62	2467	14.12	14.01	17.08	0.051

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)	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.

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
BLE (1M)	2402	4.91	---	4.91	0.0031
	2440	5.34	---	5.34	0.0034
	2480	4.71	---	4.71	0.0030

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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Fax: +886 2 26099303

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	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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11b	2412	21.68	21.91	21.91	0.155
	2417	22.36	22.45	22.45	0.176
	2442	22.55	22.51	22.55	0.180
	2457	22.54	22.45	22.54	0.179
	2462	21.63	21.59	21.63	0.146
	2467	20.69	20.61	20.69	0.117
	2472	15.58	15.59	15.59	0.036

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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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)	
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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11g	2412	21.64	21.81	21.81	0.152
	2417	22.52	21.44	22.52	0.179
	2442	23.76	23.86	23.86	0.243
	2457	22.81	22.65	22.81	0.191
	2462	22.17	22.09	22.17	0.165
	2467	19.83	19.76	19.83	0.096
	2472	12.94	12.28	12.94	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.

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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-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	

SPOT CHECK

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	20.18	20.12	23.16	0.207
	2442	21.96	21.94	24.96	0.313
	2457	20.41	20.32	23.38	0.218
	2462	19.68	19.53	22.62	0.183
	2467	17.09	16.97	20.04	0.101
	2472	10.04	9.84	12.95	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.

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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	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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT40	2422	19.34	19.24	22.30	0.170
	2427	18.26	18.19	21.24	0.133
	2442	19.94	19.79	22.88	0.194
	2447	19.98	19.94	22.97	0.198
	2452	18.64	18.61	21.64	0.146
	2457	15.38	15.20	18.30	0.068
	2462	12.06	11.04	14.59	0.029

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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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-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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	2412	19.01	19.24	22.14	0.164
	2417	20.24	20.19	23.23	0.210
	2442	21.96	21.98	24.98	0.315
	2457	20.37	22.18	24.38	0.274
	2462	19.64	19.54	22.60	0.182
	2467	17.02	17.08	20.06	0.101
	2472	10.16	9.86	13.02	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.

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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	4.8	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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE40	2422	19.11	19.16	22.15	0.164
	2427	17.98	17.90	20.95	0.124
	2442	19.81	19.81	22.82	0.191
	2447	19.79	19.69	22.75	0.188
	2452	18.32	18.38	21.36	0.137
	2457	15.13	14.98	18.07	0.064
	2462	11.97	10.64	14.37	0.027

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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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	

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	23.57	23.71	26.65	0.462
	52/37		23.60	23.64	26.63	0.460
	106/53		23.48	23.69	26.60	0.457
	26/8	2472	10.71	10.02	13.39	0.022
	52/40		10.93	10.16	13.57	0.023
	106/54		10.99	10.18	13.61	0.023

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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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-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	

SPOT CHECK

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	23.43	13.64	23.86	0.243
	242/62	2467	14.12	14.01	17.08	0.051

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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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.

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
BLE (1M)	2402	4.91	---	4.91	0.0031
	2440	5.34	---	5.34	0.0034
	2480	4.71	---	4.71	0.0030

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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A.4.2 Average Output Power (Reporting only)

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	

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	19.19	19.29	0	19.29	0.085
	2417	19.91	20.00		20.00	0.100
	2442	20.03	20.09		20.09	0.102
	2457	20.03	19.91		20.03	0.101
	2462	19.15	18.87		19.15	0.082
	2467	18.12	18.03		18.12	0.065
	2472	13.06	13.01		13.06	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.

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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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11g	2412	16.78	16.88	0	16.88	0.049
	2417	17.98	17.95		17.98	0.063
	2442	19.67	19.73		19.73	0.094
	2457	18.18	18.1		18.18	0.066
	2462	17.41	17.44		17.44	0.055
	2467	14.78	14.84		14.84	0.030
	2472	1.51	1.35		1.51	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.

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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-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	

SPOT CHECK

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	14.08	14.18	0	17.14	0.052
	2417	15.52	15.39		18.47	0.070
	2442	17.1	17.07		20.10	0.102
	2457	15.62	15.55		18.60	0.072
	2462	14.80	14.70		17.76	0.060
	2467	11.94	11.83		14.90	0.031
	2472	-0.03	-0.83		2.60	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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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	

SPOT CHECK

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	13.82	13.81	0	16.83	0.048
	2427	12.85	12.77		15.82	0.038
	2442	14.61	14.62		17.63	0.058
	2447	14.82	14.71		17.78	0.060
	2452	13.09	13.2		16.16	0.041
	2457	9.46	9.48		12.48	0.018
	2462	1.36	0.49		3.96	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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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)	
802.11ax-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	

SPOT CHECK

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	13.9	14.16	0	17.04	0.051
	2417	15.33	15.28		18.32	0.068
	2442	17.02	17.02		20.03	0.101
	2457	15.63	15.46		18.56	0.072
	2462	14.61	14.58		17.61	0.058
	2467	11.78	11.72		14.76	0.030
	2472	-0.15	-0.92		2.49	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		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	

SPOT CHECK

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	13.64	0	16.66	0.046
	2427	12.6	12.46		15.54	0.036
	2442	14.41	14.45		17.44	0.055
	2447	14.62	14.56		17.60	0.058
	2452	12.98	13.02		16.01	0.040
	2457	9.21	9.17		12.20	0.017
	2462	0.99	0.09		3.57	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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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	

SPOT CHECK

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	14.14	14.49	0	17.33	0.054
	52/37		14.23	14.38		17.32	0.054
	106/53		14.28	14.48		17.39	0.055
	26/8	2472	-1.36	-2.57		1.09	0.001
	52/40		-1.09	-2.35		1.34	0.001
	106/54		-1.05	-2.06		1.48	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.

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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-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	

SPOT CHECK

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	13.9	14.04	0	16.98	0.050
	242/62	2467	1.33	1.13		4.24	0.003

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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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	

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	19.19	19.29	0	19.29	0.085
	2417	19.91	20.00		20.00	0.100
	2442	20.03	20.09		20.09	0.102
	2457	20.03	19.91		20.03	0.101
	2462	19.15	18.87		19.15	0.082
	2467	18.12	18.03		18.12	0.065
	2472	13.06	13.01		13.06	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.

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Fax: +886 2 26099303

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	

SPOT CHECK

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11g	2412	16.78	16.88	0	16.88	0.049
	2417	17.98	17.95		17.98	0.063
	2442	19.67	19.73		19.73	0.094
	2457	18.18	18.1		18.18	0.066
	2462	17.41	17.44		17.44	0.055
	2467	14.78	14.84		14.84	0.030
	2472	1.51	1.35		1.51	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.

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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-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	

SPOT CHECK

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	14.08	14.18	0	17.14	0.052
	2417	15.52	15.39		18.47	0.070
	2442	17.1	17.07		20.10	0.102
	2457	15.62	15.55		18.60	0.072
	2462	14.80	14.70		17.76	0.060
	2467	11.94	11.83		14.90	0.031
	2472	-0.03	-0.83		2.60	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		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	

SPOT CHECK

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	13.82	13.81	0	16.83	0.048
	2427	12.85	12.77		15.82	0.038
	2442	14.61	14.62		17.63	0.058
	2447	14.82	14.71		17.78	0.060
	2452	13.09	13.2		16.16	0.041
	2457	9.46	9.48		12.48	0.018
	2462	1.36	0.49		3.96	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)		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	

SPOT CHECK

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	13.9	14.16	0	17.04	0.051
	2417	15.33	15.28		18.32	0.068
	2442	17.02	17.02		20.03	0.101
	2457	15.63	15.46		18.56	0.072
	2462	14.61	14.58		17.61	0.058
	2467	11.78	11.72		14.76	0.030
	2472	-0.15	-0.92		2.49	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)		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	

SPOT CHECK

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	13.64	0	16.66	0.046
	2427	12.6	12.46		15.54	0.036
	2442	14.41	14.45		17.44	0.055
	2447	14.62	14.56		17.60	0.058
	2452	12.98	13.02		16.01	0.040
	2457	9.21	9.17		12.20	0.017
	2462	0.99	0.09		3.57	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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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	

SPOT CHECK

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	14.14	14.49	0	17.33	0.054
	52/37		14.23	14.38		17.32	0.054
	106/53		14.28	14.48		17.39	0.055
	26/8	2472	-1.36	-2.57		1.09	0.001
	52/40		-1.09	-2.35		1.34	0.001
	106/54		-1.05	-2.06		1.48	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.

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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-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	

SPOT CHECK

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	13.9	14.04	0	16.98	0.050
	242/62	2467	1.33	1.13		4.24	0.003

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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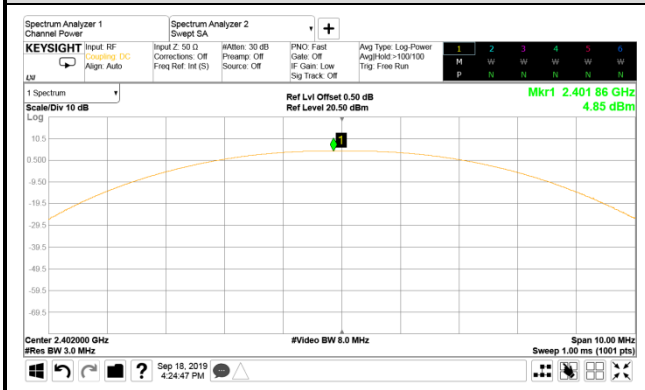
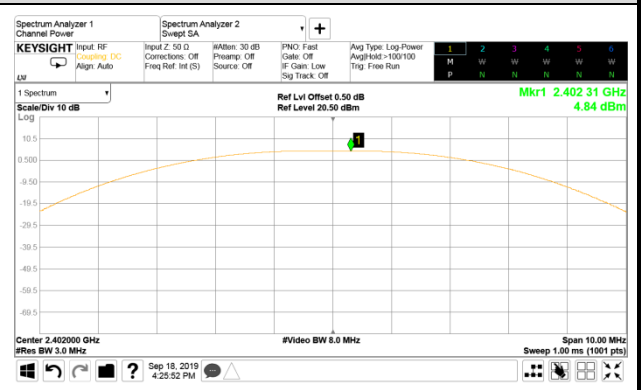
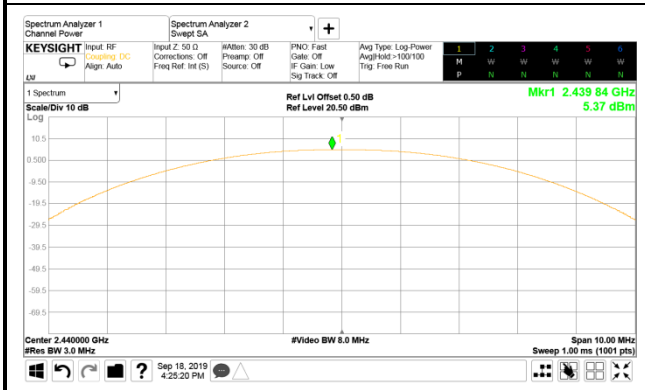
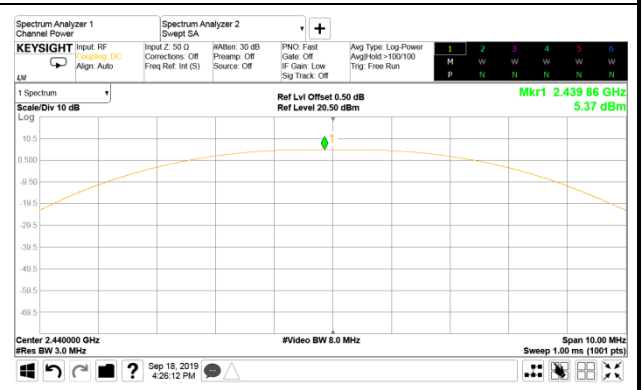
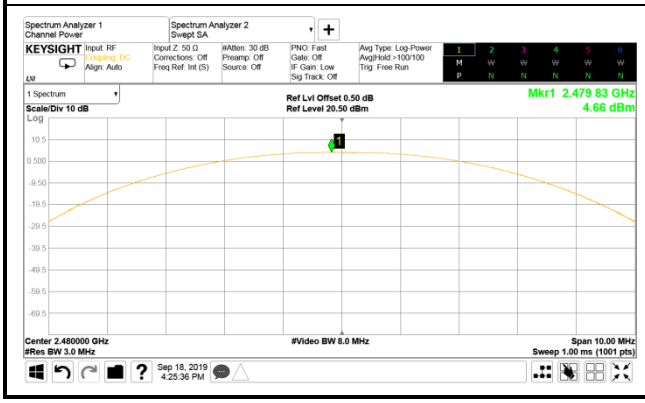
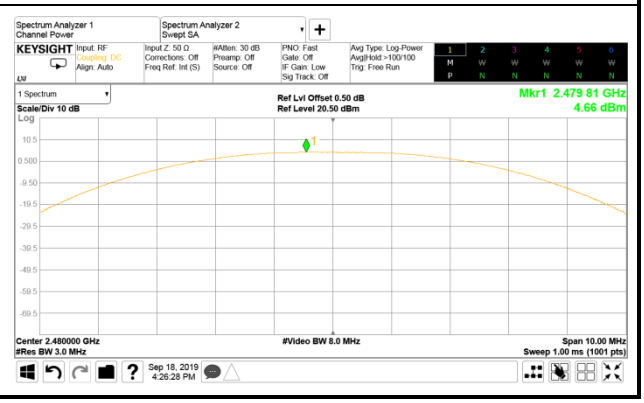
A.4.3 Measurement Plots

BLE	
1M	2M
	
	
	

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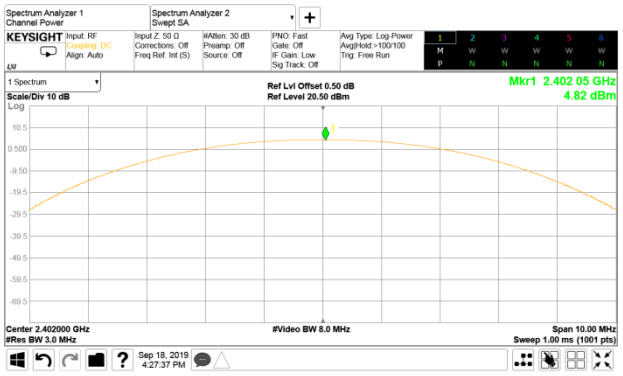
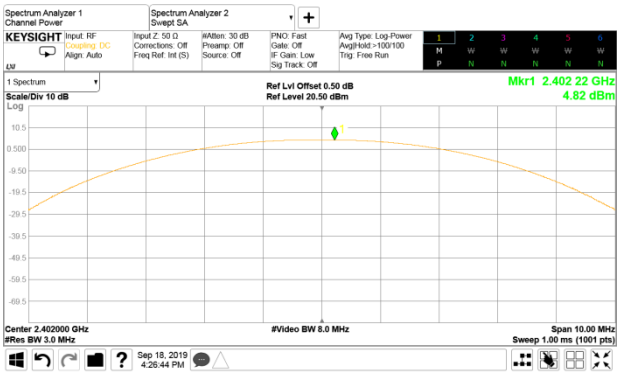
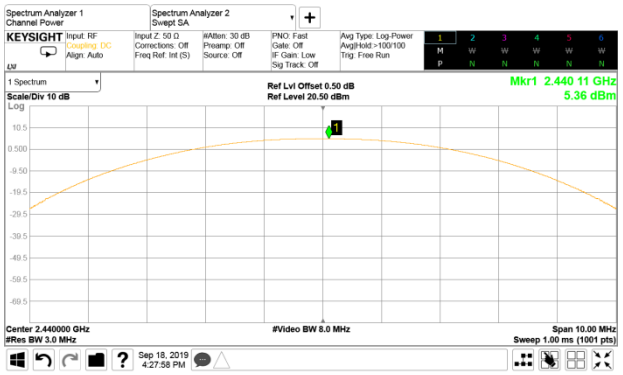
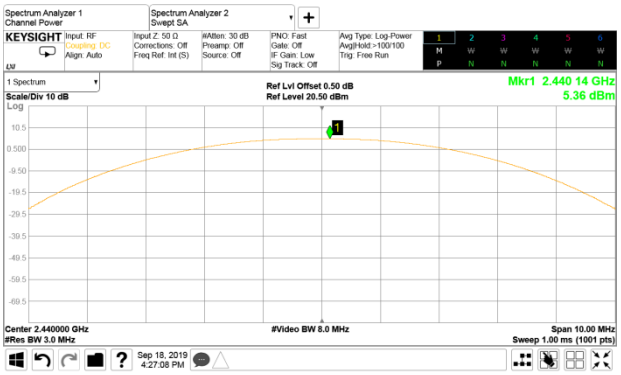
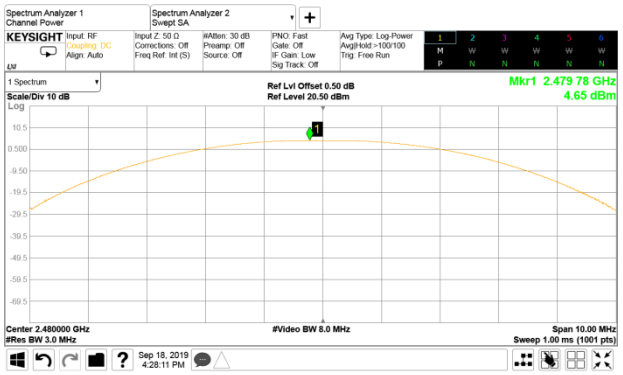
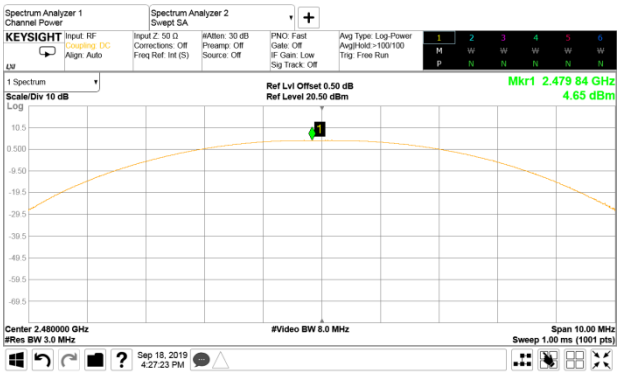
Fax: +886 2 26099303

BLE	
PHY Coded S2	PHY Coded S8
	
	
	

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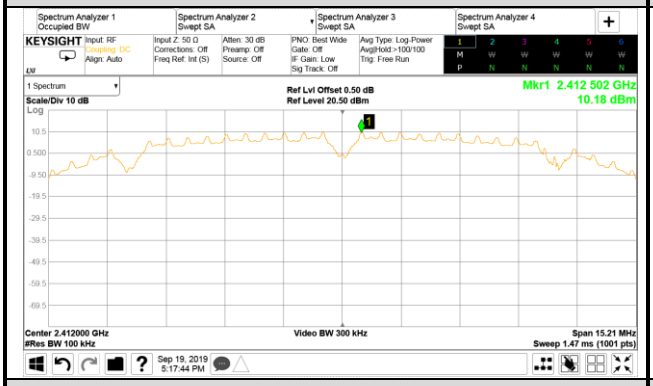
Fax: +886 2 26099303

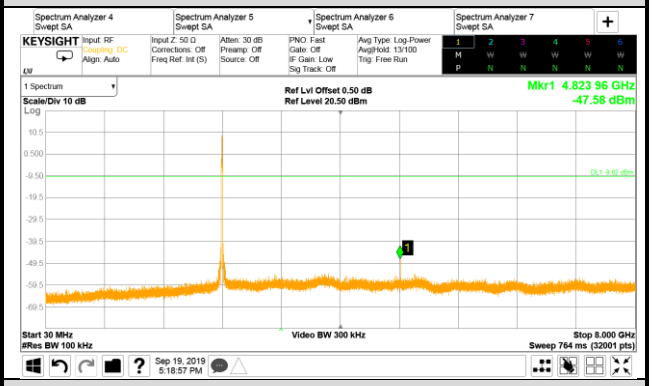
A.5 EMISSION LIMITATIONS

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Martin Chen
Frequency	TX 2412MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

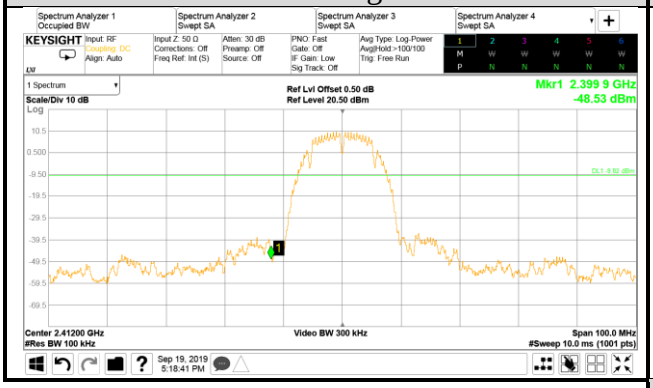
Reference Level



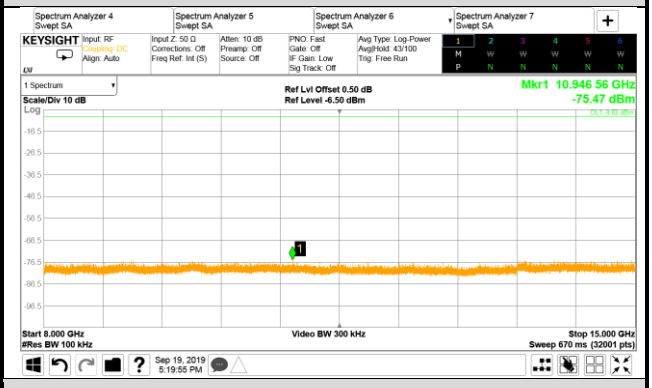
30MHz – 8GHz



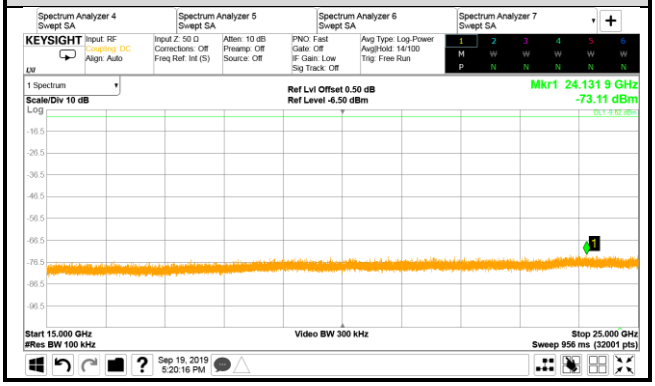
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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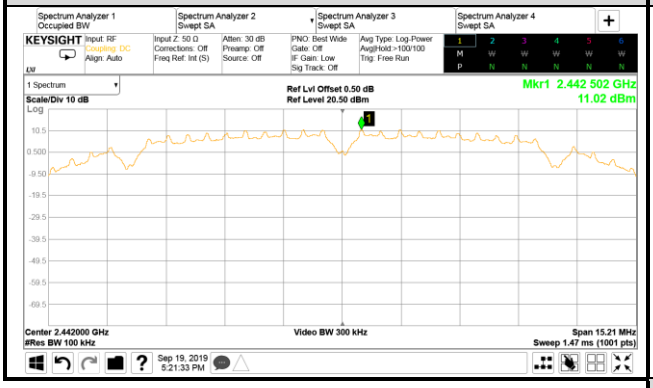
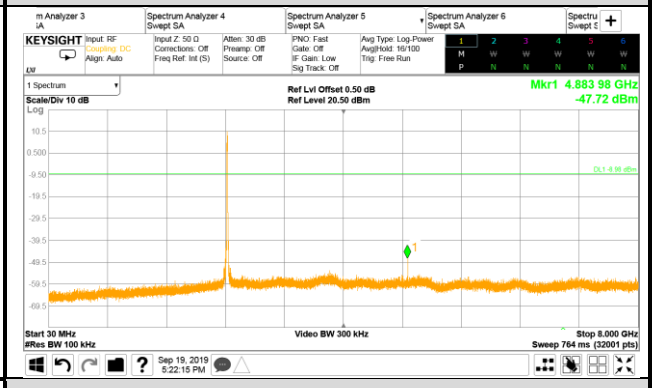
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Martin Chen
Frequency	TX 2442MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

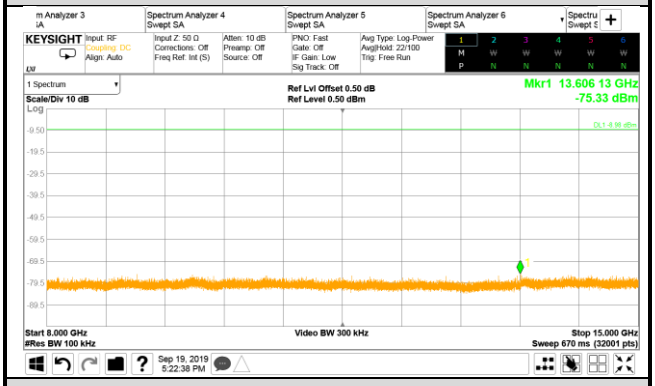
Reference Level



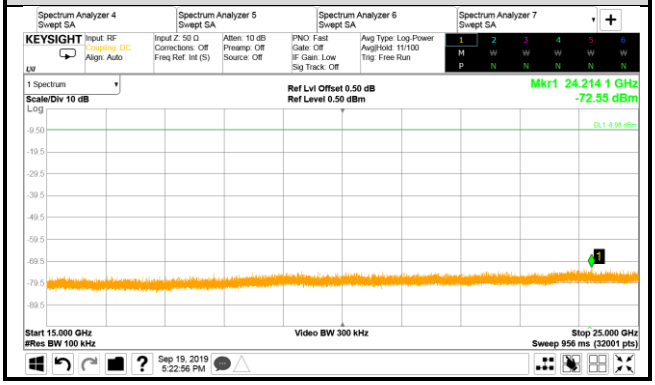
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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New Taipei City244, Taiwan

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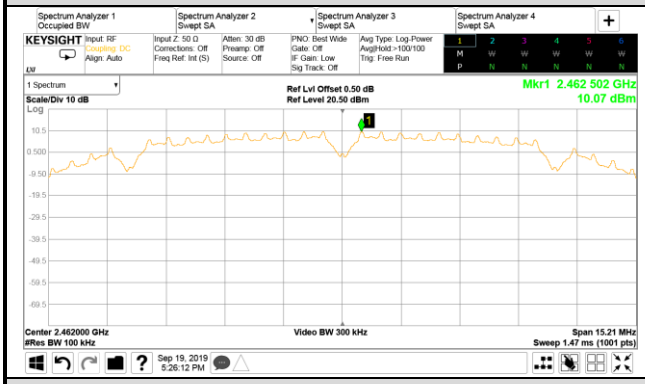
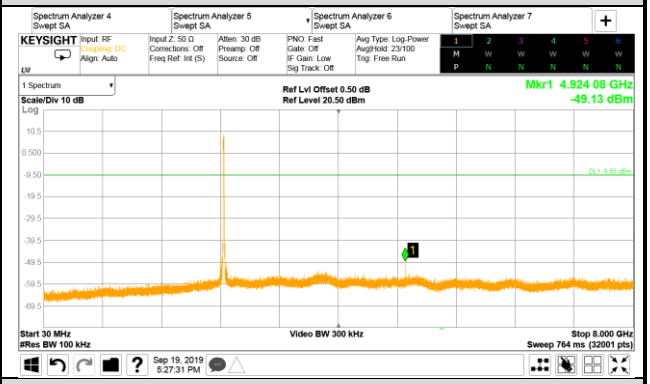
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Martin Chen
Frequency	TX 2462MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

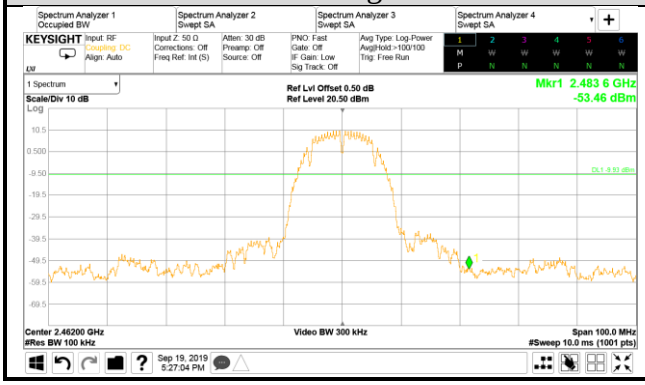
Reference Level



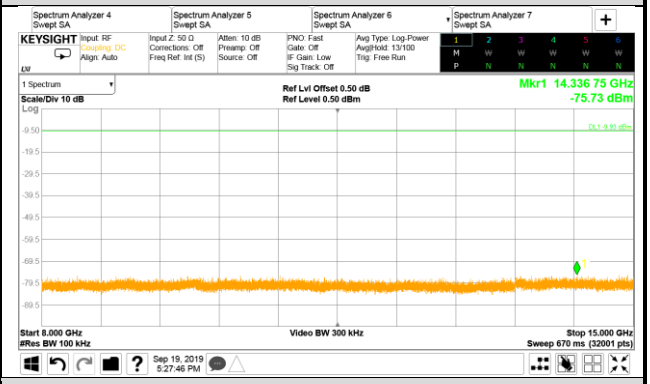
30MHz – 8GHz



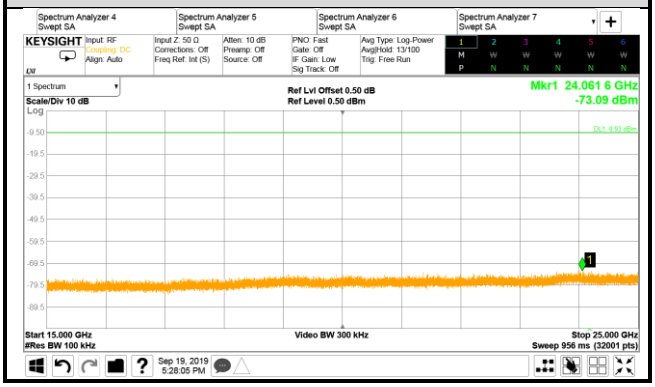
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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New Taipei City244, Taiwan
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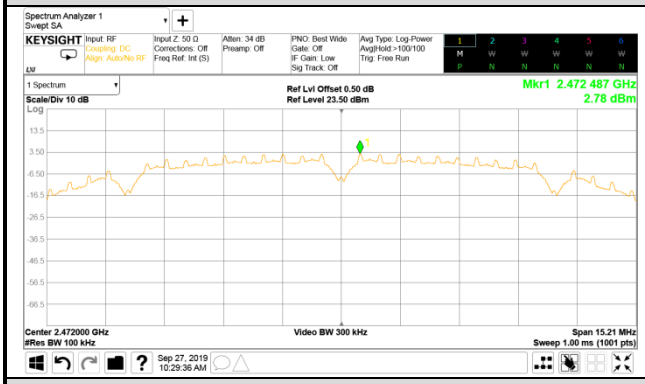
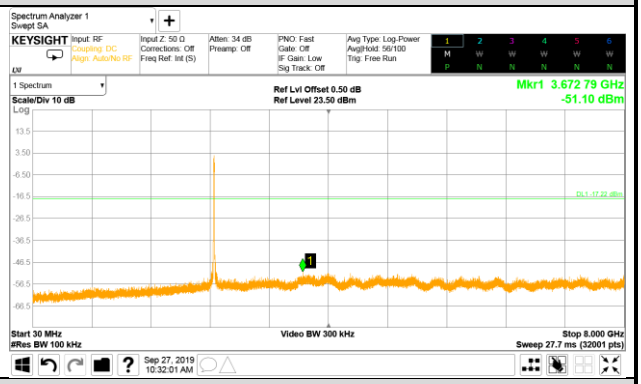
Fax: +886 2 26099303

Test Date	2019/09/19 ~ 27	Temp./Hum.	24 ~ 25℃/49 ~ 54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Martin Chen
Frequency	TX 2472MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

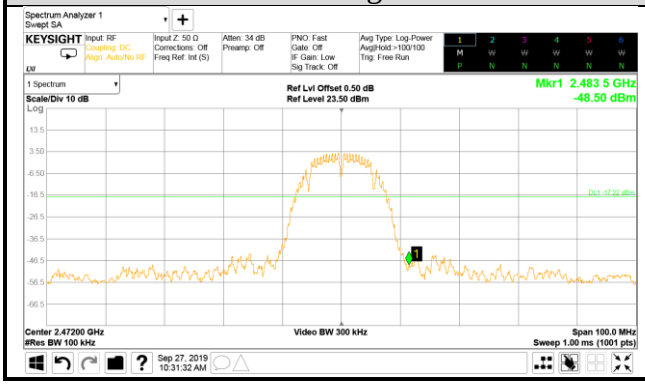
Reference Level



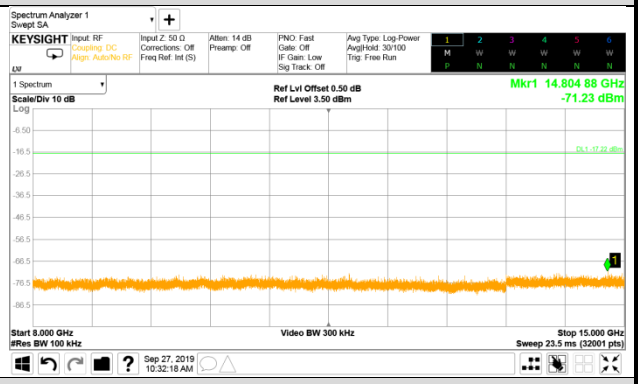
30MHz – 8GHz



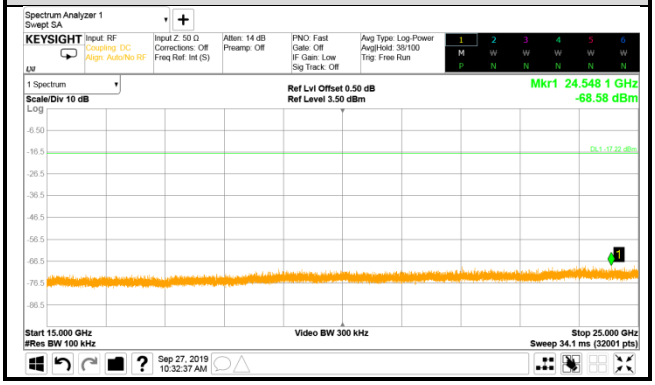
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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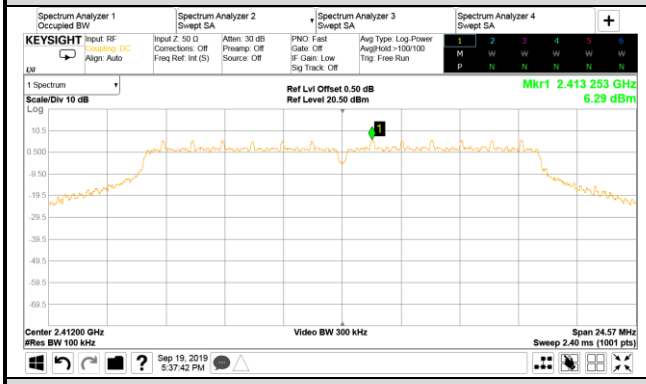
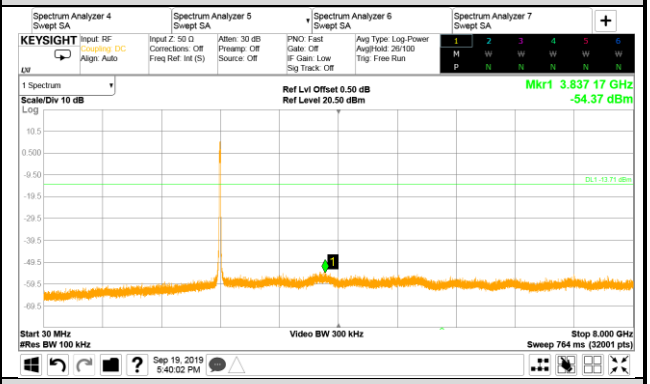
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2412MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

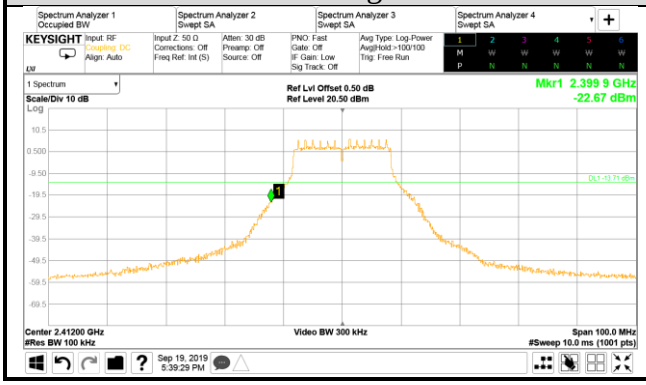
Reference Level



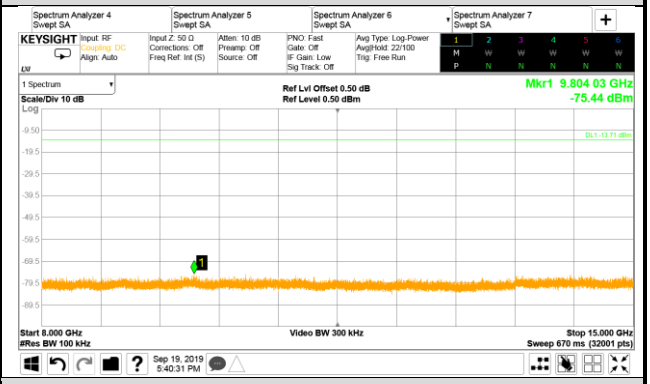
30MHz – 8GHz



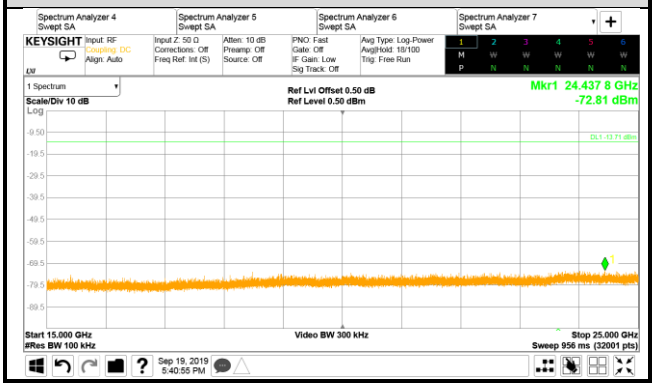
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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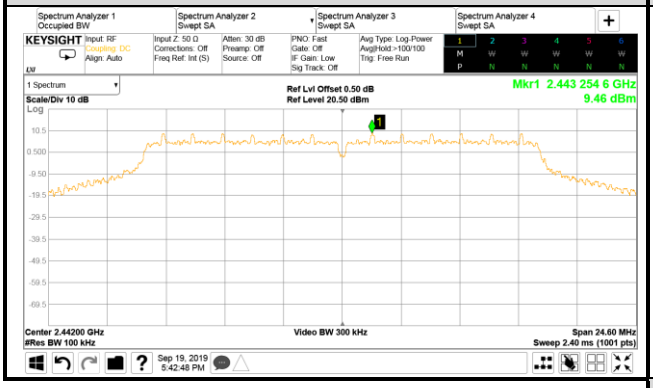
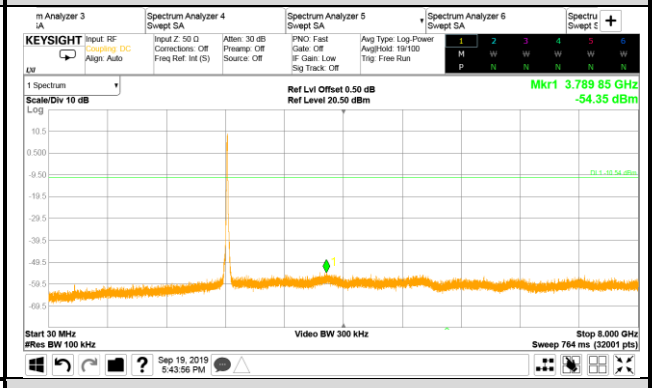
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2442MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

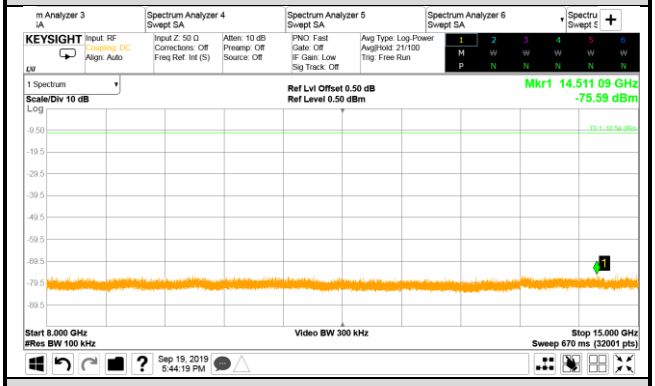
Reference Level



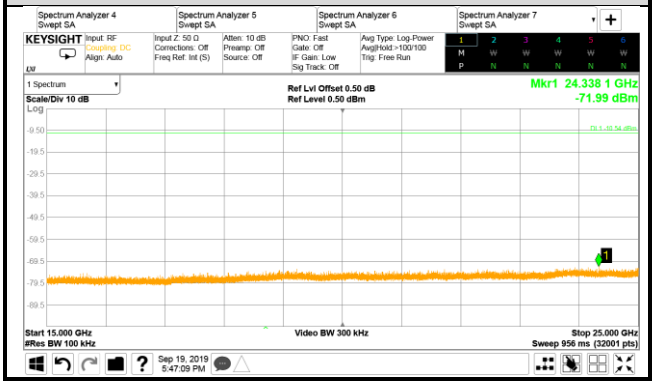
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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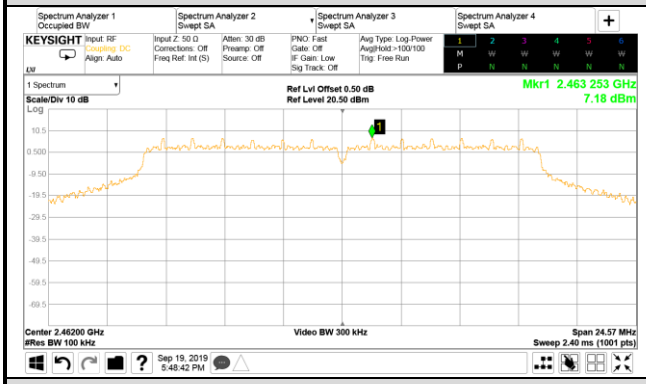
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City244, Taiwan

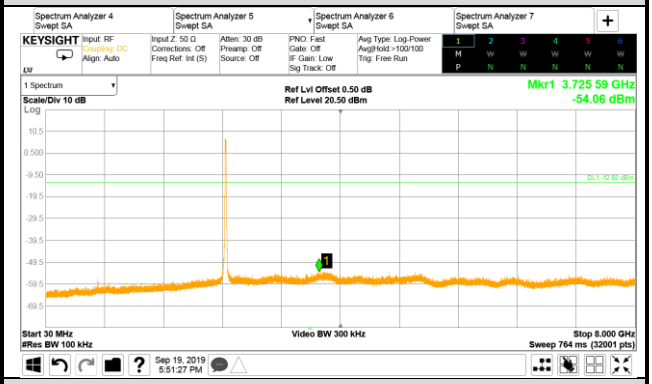
Tel: +886 2 26099301
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2462MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

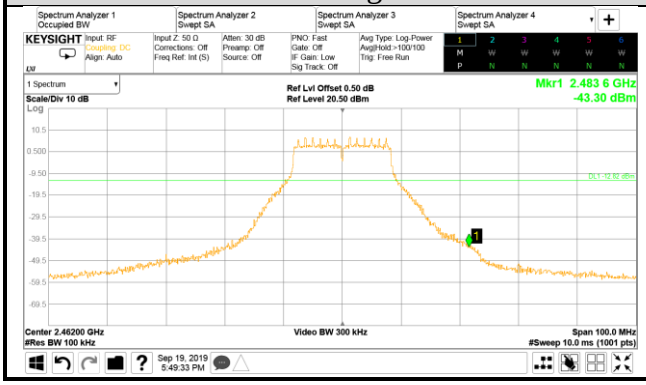
Reference Level



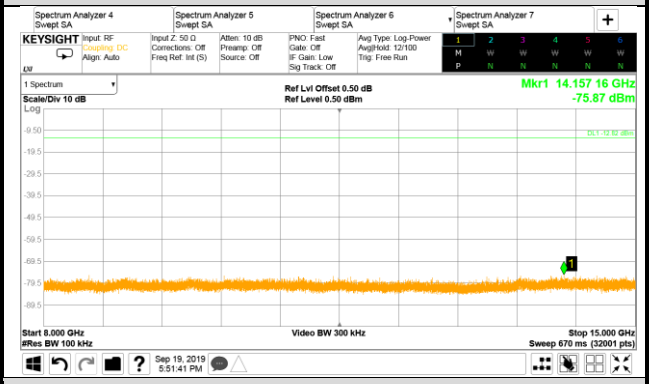
30MHz – 8GHz



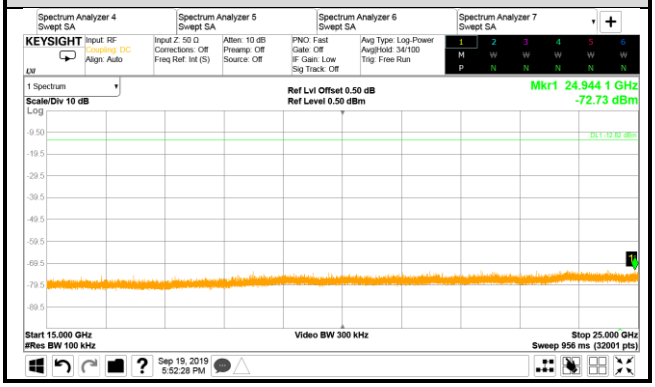
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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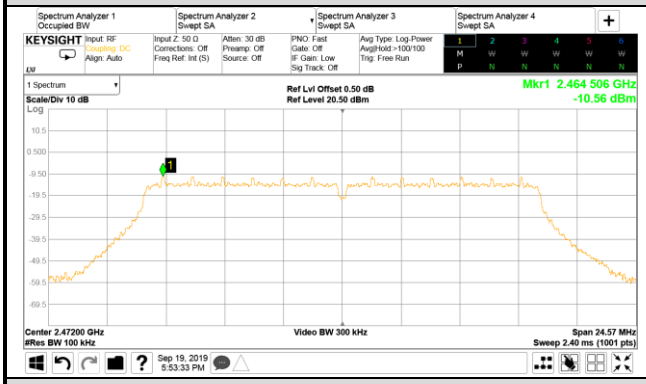
New Taipei City244, Taiwan

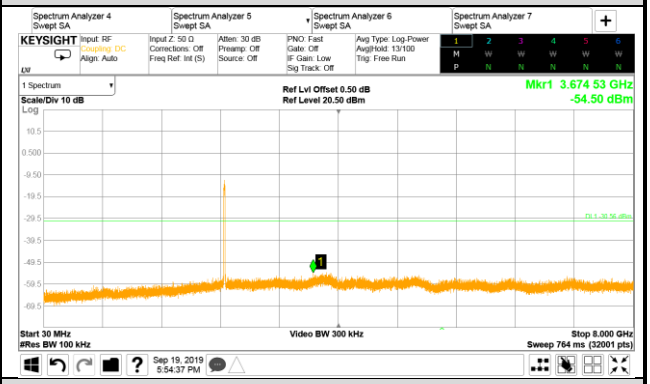
Tel: +886 2 26099301
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2472MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0

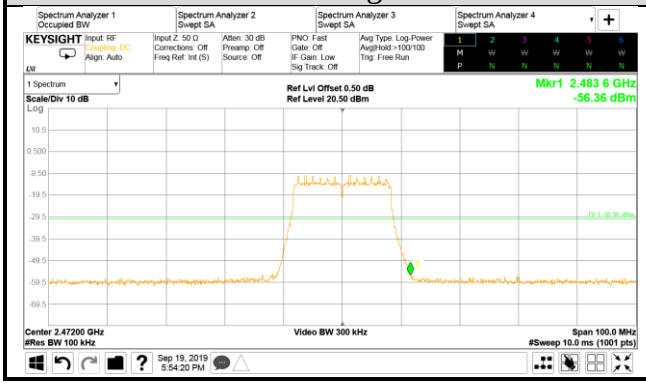
Reference Level



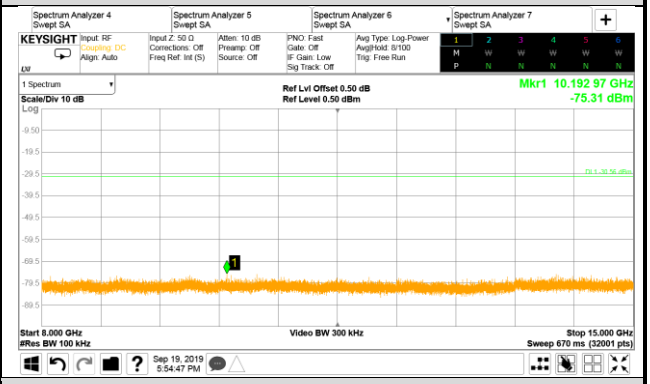
30MHz – 8GHz



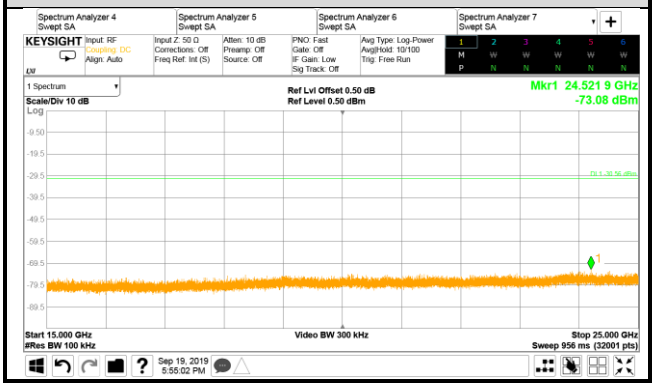
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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New Taipei City244, Taiwan

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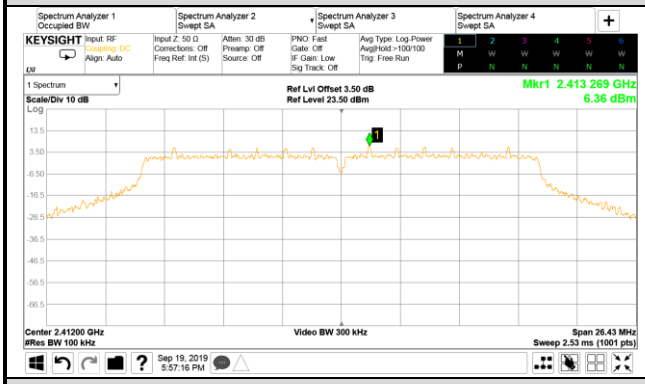
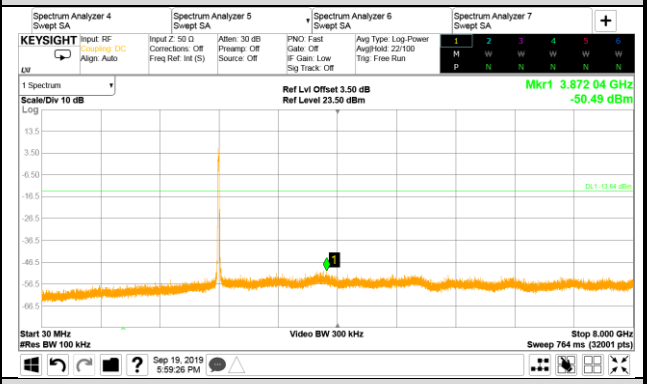
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2412MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

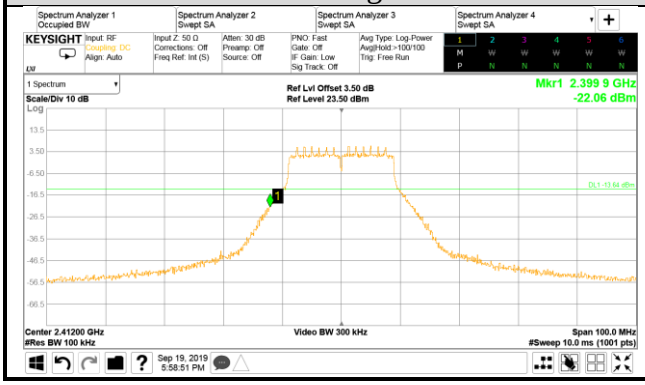
Reference Level



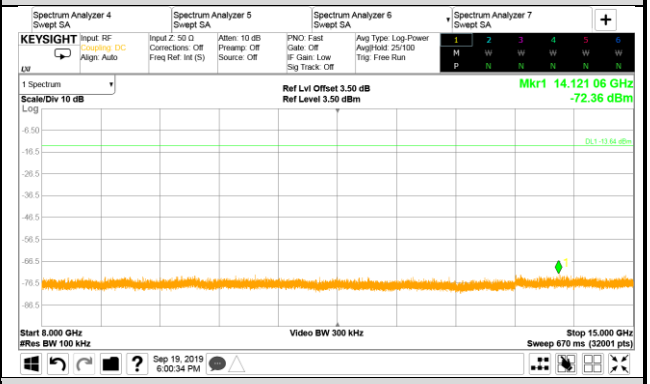
30MHz – 8GHz



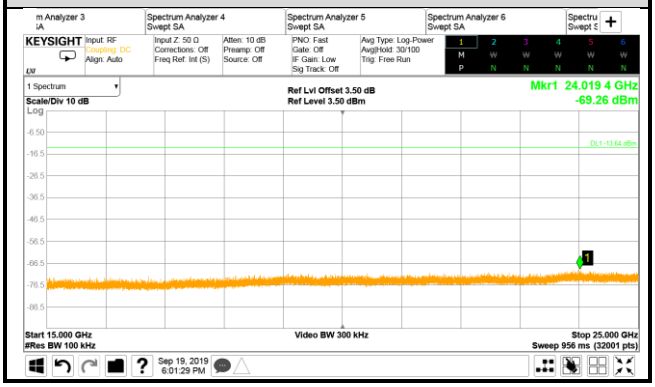
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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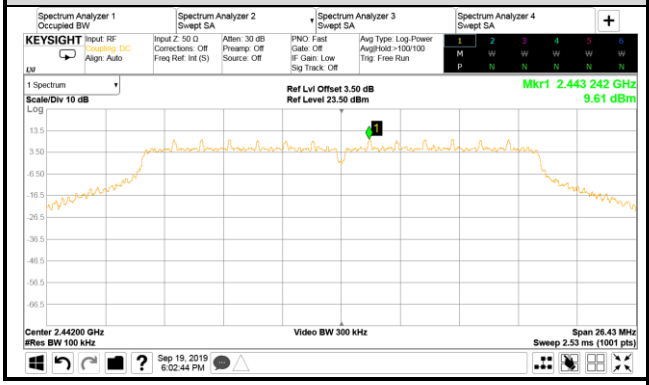
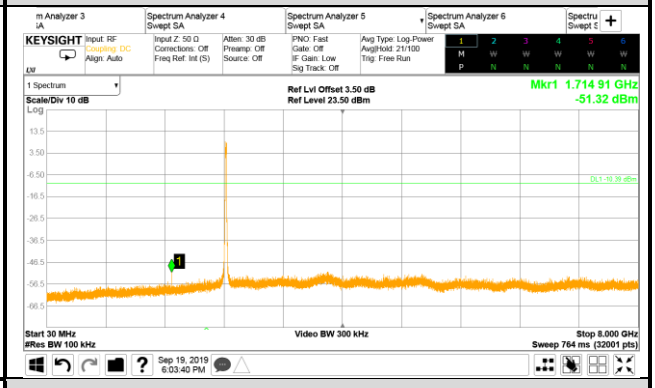
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2442MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

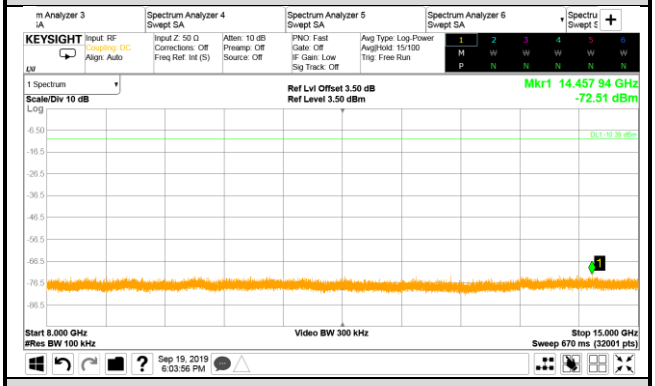
Reference Level



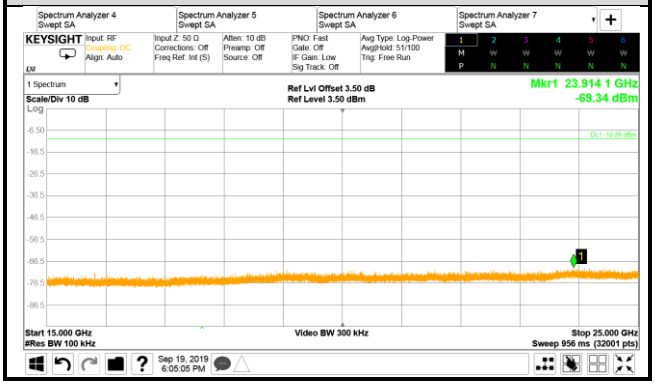
30MHz – 8GHz



8GHz – 15GHz



15GHz – 25GHz



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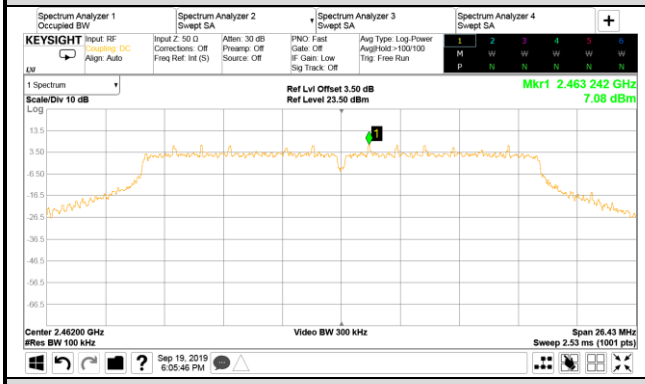
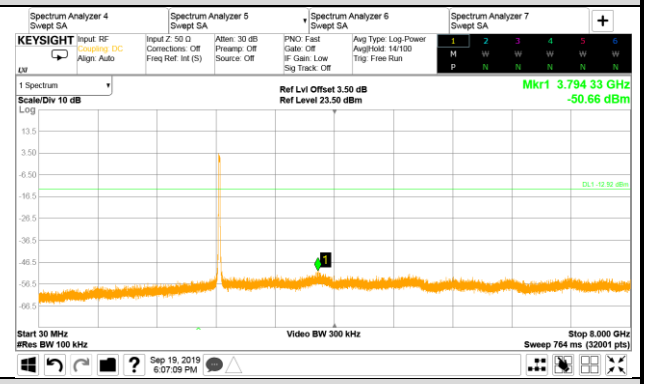
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2462MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

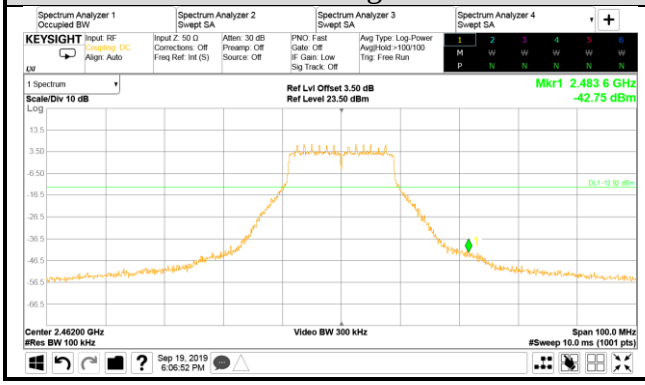
Reference Level



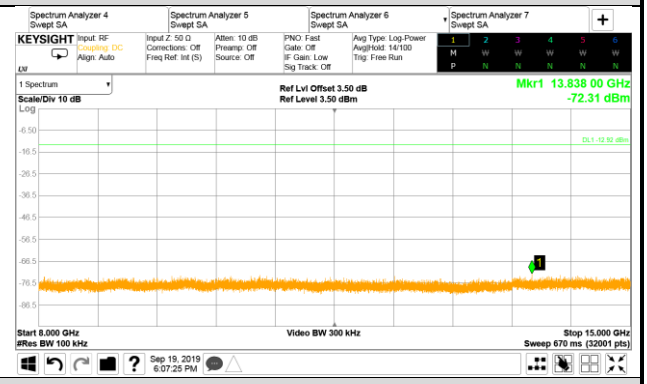
30MHz – 8GHz



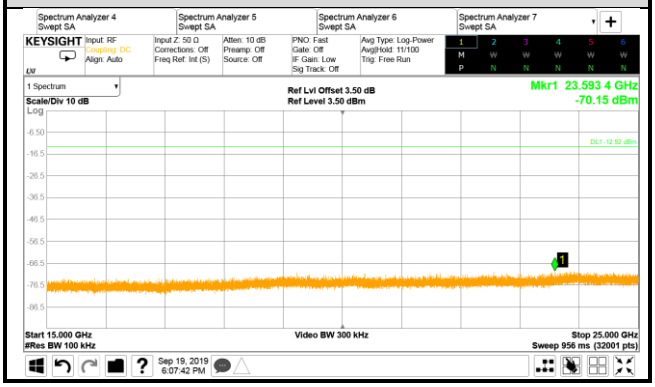
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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New Taipei City244, Taiwan

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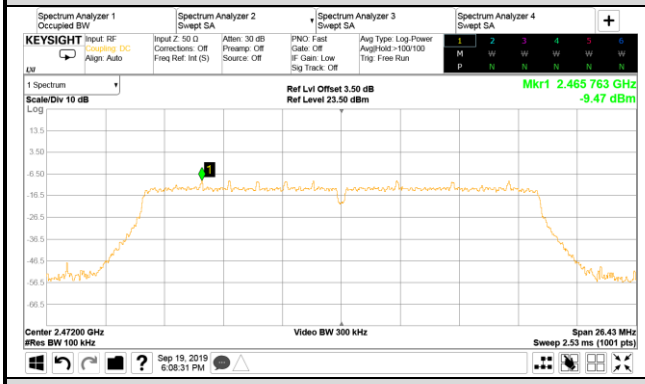
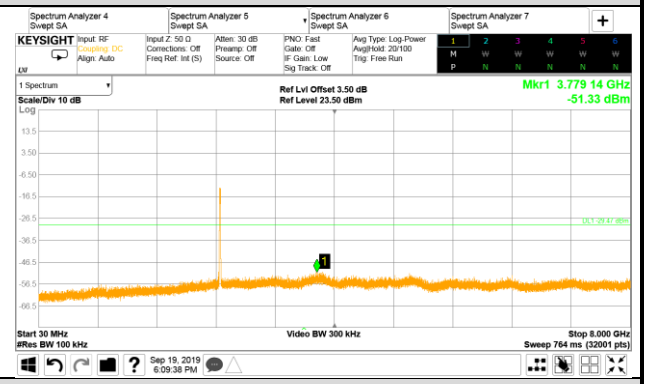
Fax: +886 2 26099303

Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2472MHz	Test Model	17Z90N
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

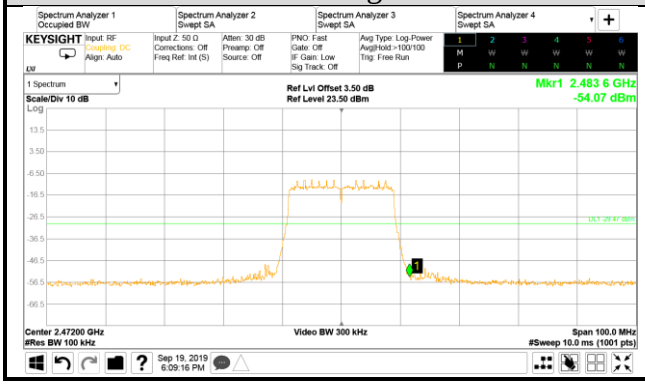
Reference Level



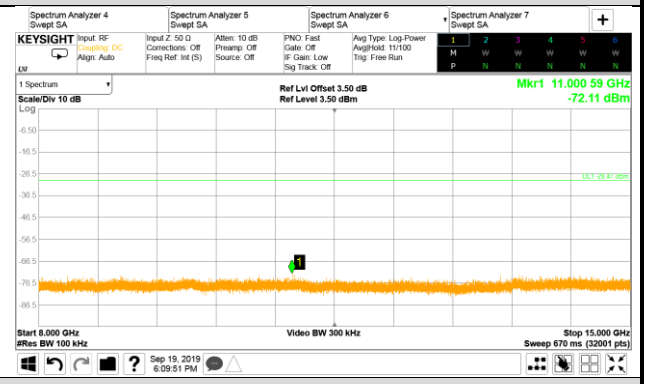
30MHz – 8GHz



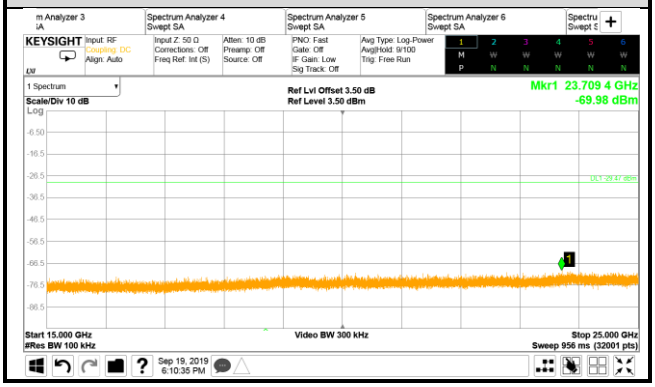
Band Edge



8GHz – 15GHz



15GHz – 25GHz



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