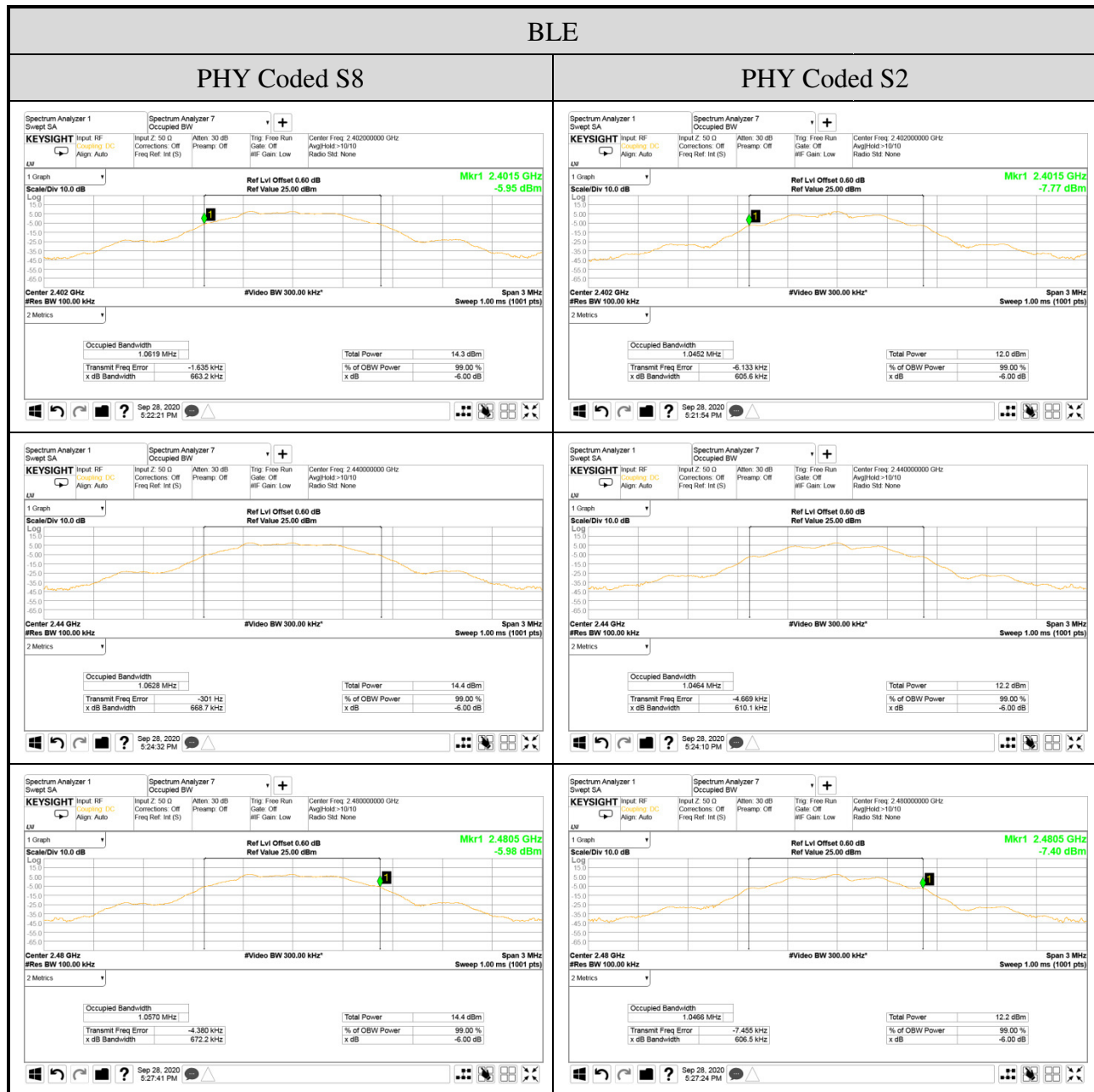




A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2020/09/28~29	Temp./Hum.	23~24°C/51~52%
Cable Loss	0.60dB	Tested By	Brian Hsieh
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.4.1 Peak Output Power

Test SKU #1 [with AWAN 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	22.43	22.01	22.43	0.175	0.66	23.09	0.204	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.41	23.46	23.46	0.222		24.12	0.258	
	2462	21.81	22.00	22.00	0.158		22.66	0.185	
	2467	20.52	19.47	20.52	0.113		21.18	0.131	
	2472	17.85	17.41	17.85	0.061		18.51	0.071	

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	21.93	21.99	21.99	0.158	0.66	22.65	0.184	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	24.24	24.19	24.24	0.265		24.90	0.309	
	2462	20.31	20.03	20.31	0.107		20.97	0.125	
	2467	18.54	18.42	18.54	0.071		19.20	0.083	
	2472	21.57	21.45	21.57	0.144		22.23	0.167	

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	20.66	20.62	23.65	0.232	0.66	24.31	0.270	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.24	23.48	26.37	0.434		27.03	0.505	
	2462	19.44	19.50	22.48	0.177		23.14	0.206	
	2467	17.32	17.56	20.45	0.111		21.11	0.129	
	2472	18.88	17.82	21.39	0.138		22.05	0.160	

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	20.41	19.23	22.87	0.194	0.66	23.53	0.225	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.57	19.98	23.30	0.214		23.96	0.249	
	2452	20.21	20.49	23.36	0.217		24.02	0.252	
	2457	13.38	13.46	16.43	0.044		17.09	0.051	
	2462	20.30	20.34	23.33	0.215		23.99	0.251	

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	21.00	20.97	24.00	0.251	0.66	24.66	0.292	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	21.57	21.92	24.76	0.299		25.42	0.348	
	2462	19.44	19.52	22.49	0.177		23.15	0.207	
	2467	17.18	15.85	19.58	0.091		20.24	0.106	
	2472	19.11	19.14	22.14	0.164		22.80	0.191	

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	21.51	19.55	23.65	0.232	0.66	24.31	0.270	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.66	20.41	23.55	0.226		24.21	0.264	
	2452	20.05	20.23	23.15	0.207		23.81	0.240	
	2457	12.95	13.19	16.08	0.041		16.74	0.047	
	2462	19.97	22.11	24.18	0.262		24.84	0.305	

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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	22.02	21.95	25.00	0.316	0.66	25.66	0.368	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		21.08	21.23	24.17	0.261		24.83	0.304	
	106/53		20.55	20.42	23.50	0.224		24.16	0.261	
	26/8	2472	13.84	14.03	16.95	0.050		17.61	0.058	
	52/40		16.29	15.74	19.03	0.080		19.69	0.093	
	106/54		18.87	18.92	21.91	0.155		22.57	0.181	

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	20.95	19.71	23.38	0.218	0.66	24.04	0.254	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	20.74	20.04	23.41	0.219		24.07	0.255	

Note: The results have been included cable loss.

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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	7.76	---	7.76	0.0060	-0.15	7.61	0.0058	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	7.85	---	7.85	0.0061		7.70	0.0059	
	2480	7.93	---	7.93	0.0062		7.78	0.0060	
BLE (2M)	2402	7.75	---	7.75	0.0060		7.60	0.0058	
	2440	7.87	---	7.87	0.0061		7.72	0.0059	
	2480	7.94	---	7.94	0.0062		7.79	0.0060	
BLE (PHY Coded S2)	2402	7.74	---	7.74	0.0059		7.59	0.0057	
	2440	7.84	---	7.84	0.0061		7.69	0.0059	
	2480	7.92	---	7.92	0.0062		7.77	0.0060	
BLE (PHY Coded S8)	2402	7.73	---	7.73	0.0059		7.58	0.0057	
	2440	7.83	---	7.83	0.0061		7.68	0.0059	
	2480	7.91	---	7.91	0.0062		7.76	0.0060	

Note: The results have been included cable loss.

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Test SKU #2 [with Speed 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	22.43	22.01	22.43	0.175	1.60	24.03	0.253	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.41	23.46	23.46	0.222		25.06	0.321	
	2462	21.81	22.00	22.00	0.158		23.60	0.229	
	2467	20.52	19.47	20.52	0.113		22.12	0.163	
	2472	17.85	17.41	17.85	0.061		19.45	0.088	

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	21.93	21.99	21.99	0.158	1.60	23.59	0.229	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	24.24	24.19	24.24	0.265		25.84	0.384	
	2462	20.31	20.03	20.31	0.107		21.91	0.155	
	2467	18.54	18.42	18.54	0.071		20.14	0.103	
	2472	21.57	21.45	21.57	0.144		23.17	0.207	

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	20.66	20.62	23.65	0.232	1.60	25.25	0.335	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.24	23.48	26.37	0.434		27.97	0.627	
	2462	19.44	19.50	22.48	0.177		24.08	0.256	
	2467	17.32	17.56	20.45	0.111		22.05	0.160	
	2472	18.88	17.82	21.39	0.138		22.99	0.199	

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	20.41	19.23	22.87	0.194	1.60	24.47	0.280	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.57	19.98	23.30	0.214		24.90	0.309	
	2452	20.21	20.49	23.36	0.217		24.96	0.313	
	2457	13.38	13.46	16.43	0.044		18.03	0.064	
	2462	20.30	20.34	23.33	0.215		24.93	0.311	

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	21.00	20.97	24.00	0.251	1.60	25.60	0.363	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	21.57	21.92	24.76	0.299		26.36	0.433	
	2462	19.44	19.52	22.49	0.177		24.09	0.256	
	2467	17.18	15.85	19.58	0.091		21.18	0.131	
	2472	19.11	19.14	22.14	0.164		23.74	0.237	

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	21.51	19.55	23.65	0.232	1.60	25.25	0.335	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.66	20.41	23.55	0.226		25.15	0.327	
	2452	20.05	20.23	23.15	0.207		24.75	0.299	
	2457	12.95	13.19	16.08	0.041		17.68	0.059	
	2462	19.97	22.11	24.18	0.262		25.78	0.378	

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	22.02	21.95	25.00	0.316	1.60	26.60	0.457	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		21.08	21.23	24.17	0.261		25.77	0.378	
	106/53		20.55	20.42	23.50	0.224		25.10	0.324	
	26/8	2472	13.84	14.03	16.95	0.050		18.55	0.072	
	52/40		16.29	15.74	19.03	0.080		20.63	0.116	
	106/54		18.87	18.92	21.91	0.155		23.51	0.224	

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	20.95	19.71	23.38	0.218	1.60	24.98	0.315	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	20.74	20.04	23.41	0.219		25.01	0.317	

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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	7.76	---	7.76	0.0060	1.51	9.27	0.0085	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	7.85	---	7.85	0.0061		9.36	0.0086	
	2480	7.93	---	7.93	0.0062		9.44	0.0088	
BLE (2M)	2402	7.75	---	7.75	0.0060		9.26	0.0084	
	2440	7.87	---	7.87	0.0061		9.38	0.0087	
	2480	7.94	---	7.94	0.0062		9.45	0.0088	
BLE (PHY Coded S2)	2402	7.74	---	7.74	0.0059		9.25	0.0084	
	2440	7.84	---	7.84	0.0061		9.35	0.0086	
	2480	7.92	---	7.92	0.0062		9.43	0.0088	
BLE (PHY Coded S8)	2402	7.73	---	7.73	0.0059		9.24	0.0084	
	2440	7.83	---	7.83	0.0061		9.34	0.0086	
	2480	7.91	---	7.91	0.0062		9.42	0.0087	

Note: The results have been included cable loss.

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A.4.2 Average Output Power (Reporting only)

Test SKU #1 [with AWAN 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	19.87	19.40	0	19.87	0.097	0.66	20.53	0.113	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	21.12	21.25		21.25	0.133		21.91	0.155	
	2462	19.22	19.37		19.37	0.086		20.03	0.101	
	2467	17.97	17.14		17.97	0.063		18.63	0.073	
	2472	15.19	14.74		15.19	0.033		15.85	0.038	

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	17.09	17.09	0	17.09	0.051	0.66	17.75	0.060	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.61	20.52		20.61	0.115		21.27	0.134	
	2462	15.27	15.04		15.27	0.034		15.93	0.039	
	2467	13.65	13.58		13.65	0.023		14.31	0.027	
	2472	11.81	11.74		11.81	0.015		12.47	0.018	

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	15.72	15.71	0	18.73	0.075	0.66	19.39	0.087	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	18.89	19.11		22.01	0.159		22.67	0.185	
	2462	14.37	14.41		17.40	0.055		18.06	0.064	
	2467	12.15	12.24		15.21	0.033		15.87	0.039	
	2472	8.56	7.44		11.05	0.013		11.71	0.015	

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	15.12	13.76	0	17.50	0.056	0.66	18.16	0.065	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	15.17	14.58		17.90	0.062		18.56	0.072	
	2452	14.62	15.03		17.84	0.061		18.50	0.071	
	2457	7.92	7.96		10.95	0.012		11.61	0.014	
	2462	10.26	10.28		13.28	0.021		13.94	0.025	

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	15.84	15.89	0	18.88	0.077	0.66	19.54	0.090	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	16.37	16.82		19.61	0.091		20.27	0.106	
	2462	14.15	14.41		17.29	0.054		17.95	0.062	
	2467	11.86	10.50		14.24	0.027		14.90	0.031	
	2472	7.97	8.45		11.23	0.013		11.89	0.015	

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	15.94	13.97	0	18.08	0.064	0.66	18.74	0.075	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	15.19	14.95		18.08	0.064		18.74	0.075	
	2452	14.56	14.71		17.65	0.058		18.31	0.068	
	2457	7.32	7.50		10.42	0.011		11.08	0.013	
	2462	10.08	12.91		14.73	0.030		15.39	0.035	

Note: The results have been included cable loss.

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Mode	RU Configuration	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	17.36	17.21	0	20.30	0.107	0.66	20.96	0.125	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		16.58	16.62		19.61	0.091		20.27	0.106	
	106/53		16.06	15.92		19.00	0.079		19.66	0.092	
	26/8	2472	0.24	0.47		3.37	0.002		4.03	0.003	
	52/40		3.11	3.07		6.10	0.004		6.76	0.005	
	106/54		6.12	6.23		9.19	0.008		9.85	0.010	

Mode	RU Configuration	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	15.96	14.63	0	18.36	0.069	0.66	19.02	0.080	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	8.56	7.57		11.10	0.013		11.76	0.015	

Note: The results have been included cable loss.

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Test SKU #2 [with Speed 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	19.87	19.40	0	19.87	0.097	1.60	21.47	0.140	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	21.12	21.25		21.25	0.133		22.85	0.193	
	2462	19.22	19.37		19.37	0.086		20.97	0.125	
	2467	17.97	17.14		17.97	0.063		19.57	0.091	
	2472	15.19	14.74		15.19	0.033		16.79	0.048	

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	17.09	17.09	0	17.09	0.051	1.60	18.69	0.074	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.61	20.52		20.61	0.115		22.21	0.166	
	2462	15.27	15.04		15.27	0.034		16.87	0.049	
	2467	13.65	13.58		13.65	0.023		15.25	0.033	
	2472	11.81	11.74		11.81	0.015		13.41	0.022	

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	15.72	15.71	0	18.73	0.075	1.60	20.33	0.108	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	18.89	19.11		22.01	0.159		23.61	0.230	
	2462	14.37	14.41		17.40	0.055		19.00	0.079	
	2467	12.15	12.24		15.21	0.033		16.81	0.048	
	2472	8.56	7.44		11.05	0.013		12.65	0.018	

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	15.12	13.76	0	17.50	0.056	1.60	19.10	0.081	<30dBm (1W) (Maximum Peak Output Power)
	2442	15.17	14.58		17.90	0.062		19.50	0.089	
	2452	14.62	15.03		17.84	0.061		19.44	0.088	
	2457	7.92	7.96		10.95	0.012		12.55	0.018	
	2462	10.26	10.28		13.28	0.021		14.88	0.031	

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	15.84	15.89	0	18.88	0.077	1.60	20.48	0.112	<30dBm (1W) (Maximum Peak Output Power)
	2442	16.37	16.82		19.61	0.091		21.21	0.132	
	2462	14.15	14.41		17.29	0.054		18.89	0.077	
	2467	11.86	10.50		14.24	0.027		15.84	0.038	
	2472	7.97	8.45		11.23	0.013		12.83	0.019	

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	15.94	13.97	0	18.08	0.064	1.60	19.68	0.093	<30dBm (1W) (Maximum Peak Output Power)
	2442	15.19	14.95		18.08	0.064		19.68	0.093	
	2452	14.56	14.71		17.65	0.058		19.25	0.084	
	2457	7.32	7.50		10.42	0.011		12.02	0.016	
	2462	10.08	12.91		14.73	0.030		16.33	0.043	

Note: The results have been included cable loss.

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Mode	RU Configuration	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	17.36	17.21	0	20.30	0.107	1.60	21.90	0.155	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		16.58	16.62		19.61	0.091		21.21	0.132	
	106/53		16.06	15.92		19.00	0.079		20.60	0.115	
	26/8	2472	0.24	0.47		3.37	0.002		4.97	0.003	
	52/40		3.11	3.07		6.10	0.004		7.70	0.006	
	106/54		6.12	6.23		9.19	0.008		10.79	0.012	

Mode	RU Configuration	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	15.96	14.63	0	18.36	0.069	1.60	19.96	0.099	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	8.56	7.57		11.10	0.013		12.70	0.019	

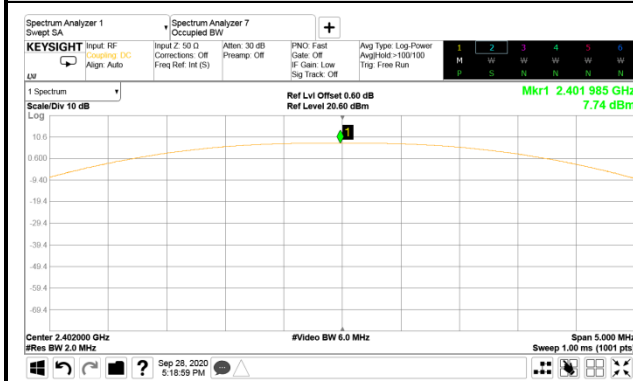
Note: The results have been included cable loss.

A.4.3 Measurement Plots

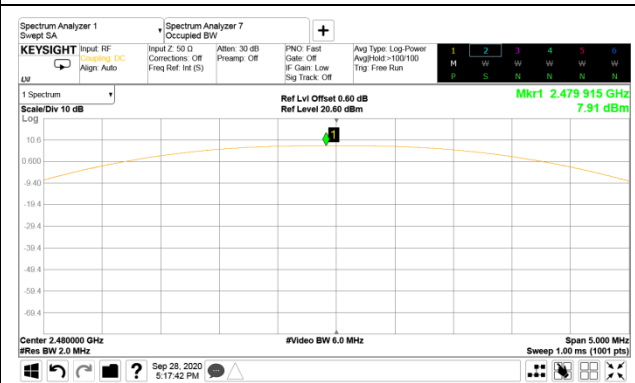
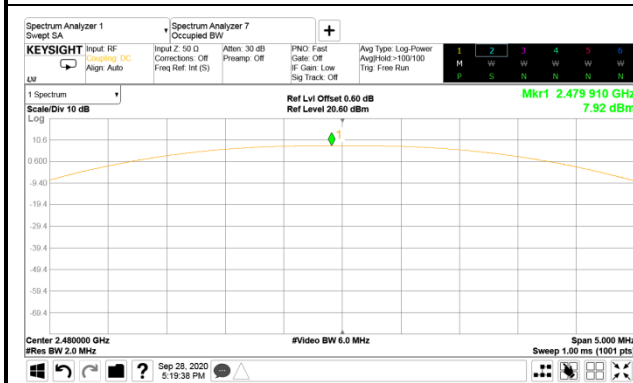
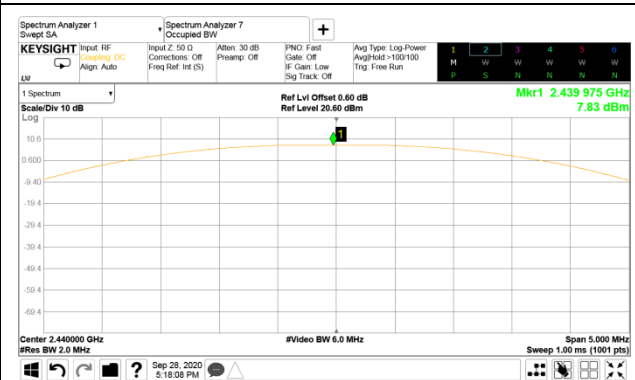
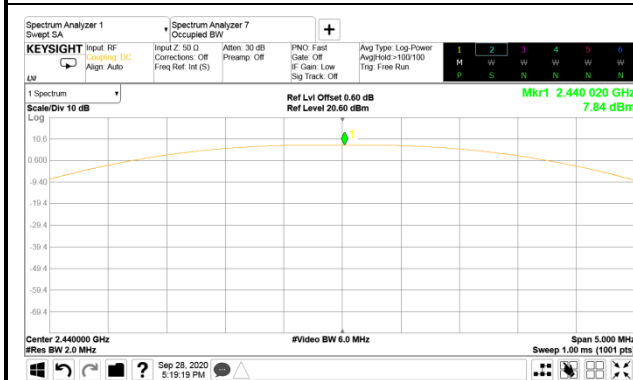
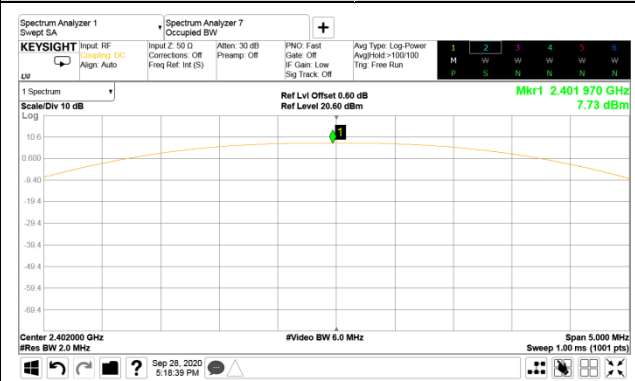


BLE

PHY Coded S2



PHY Coded S8



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A.5 EMISSION LIMITATIONS

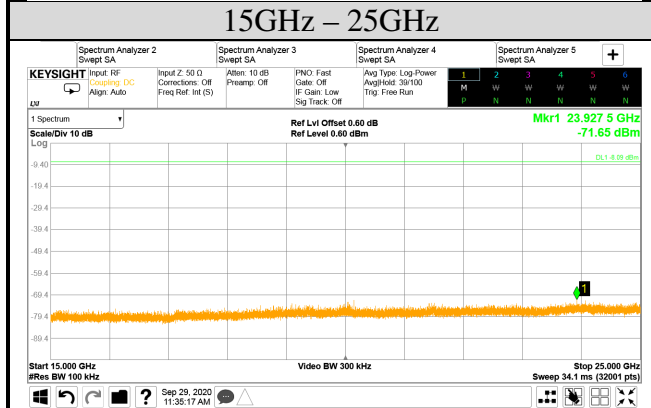
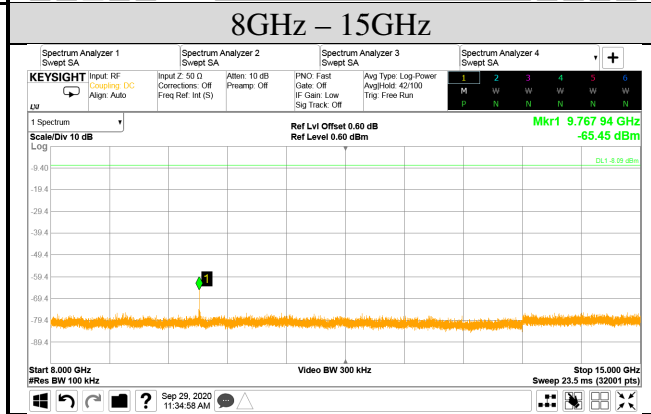
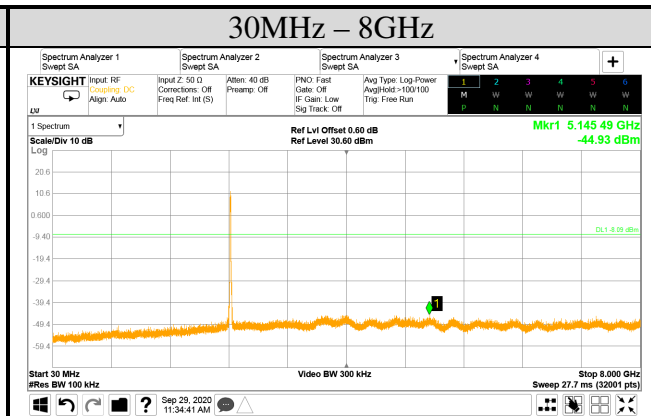
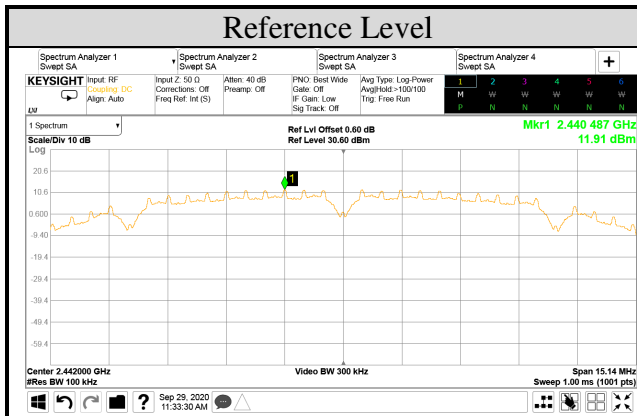
Test Date	2020/09/29	Temp./Hum.	24℃/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Brian Hsieh
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



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Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Brian Hsieh
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



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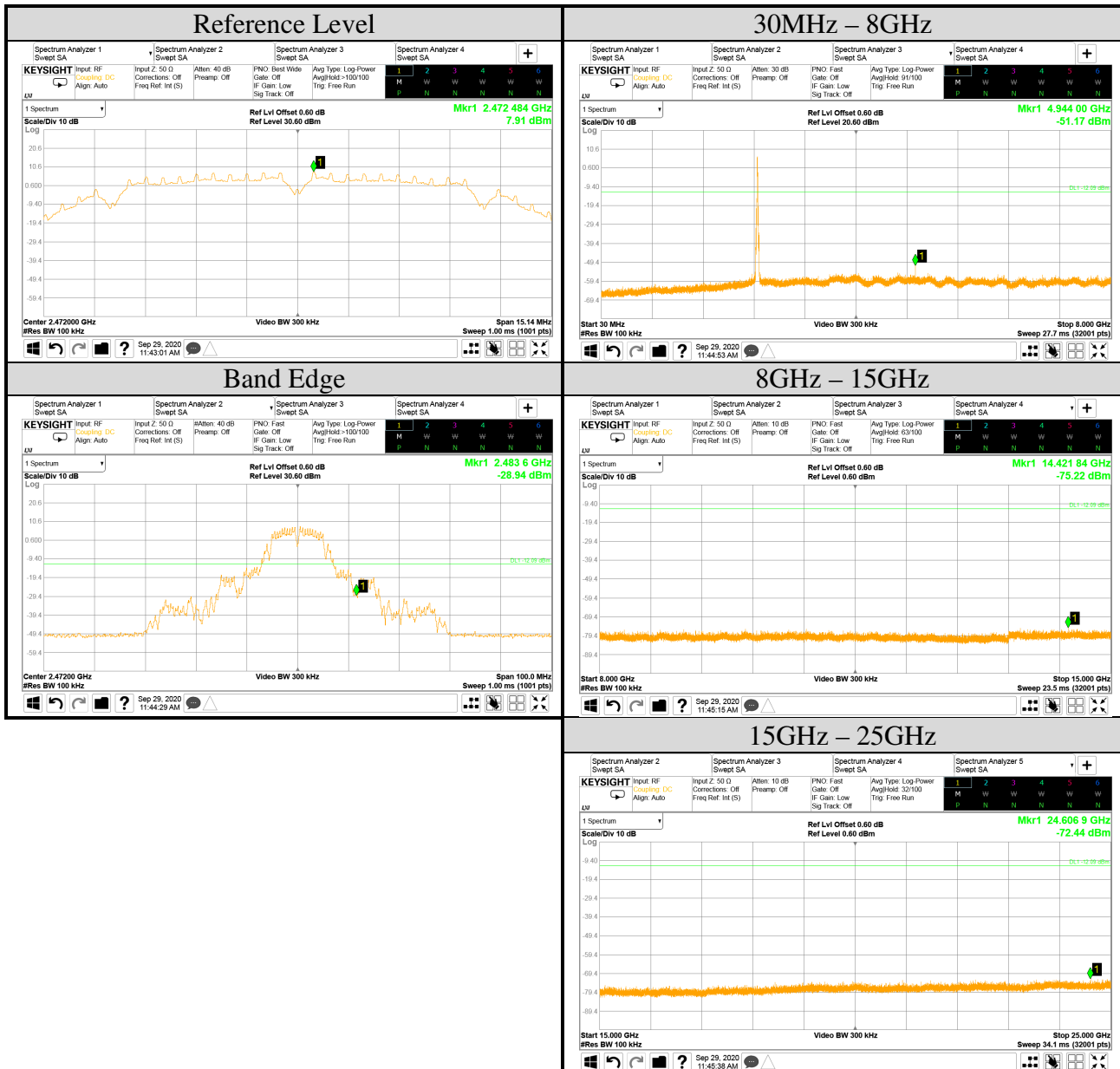
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Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Brian Hsieh
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



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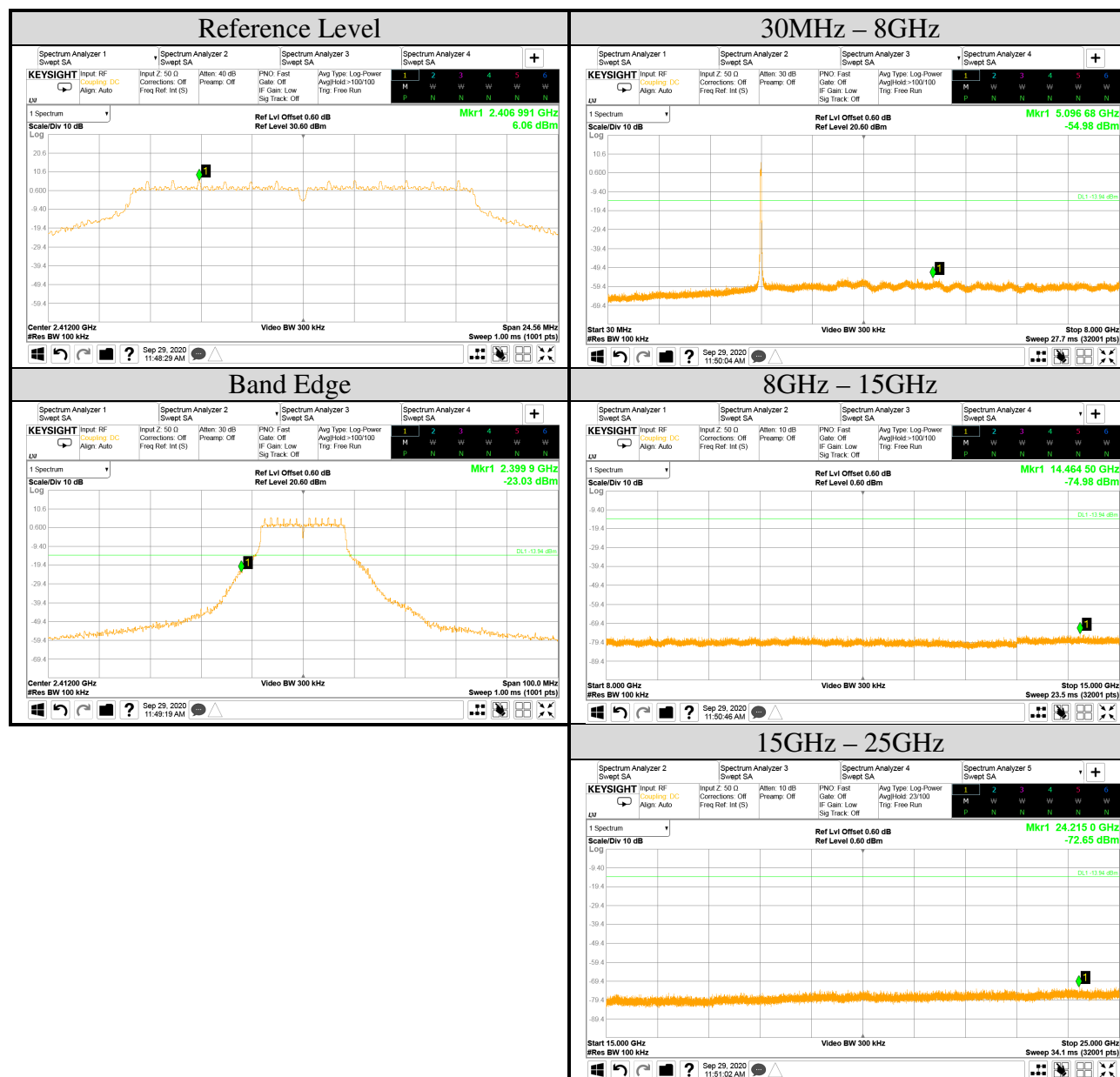
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Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Brian Hsieh
Frequency	TX 2472MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



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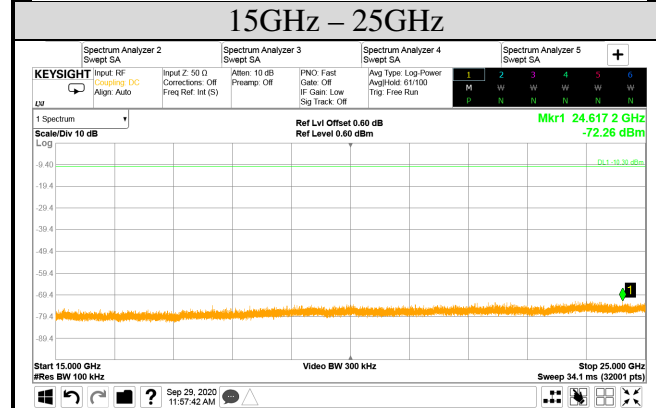
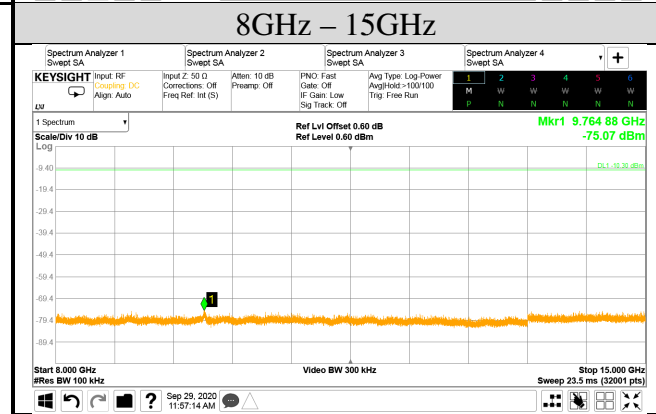
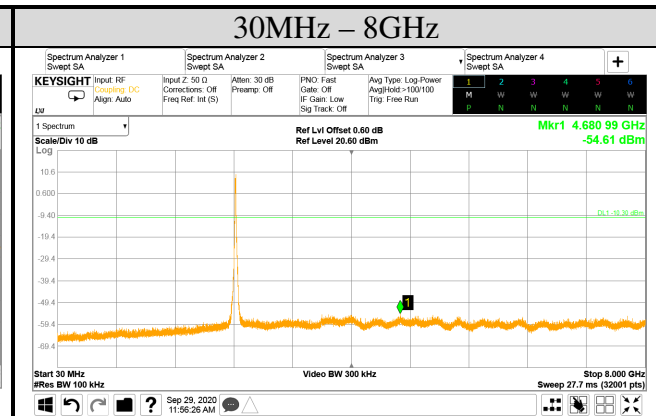
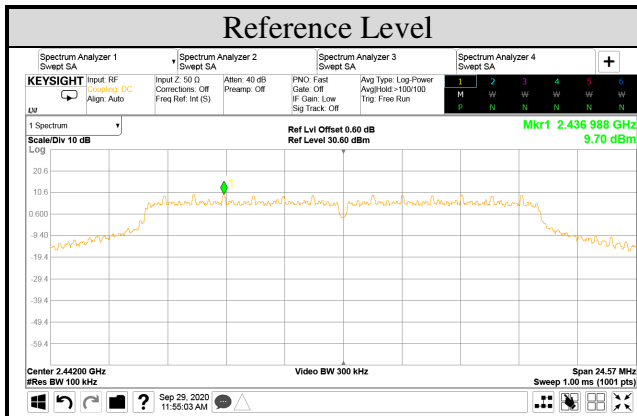
Test Date	2020/09/29	Temp./Hum.	24℃/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Brian Hsieh
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



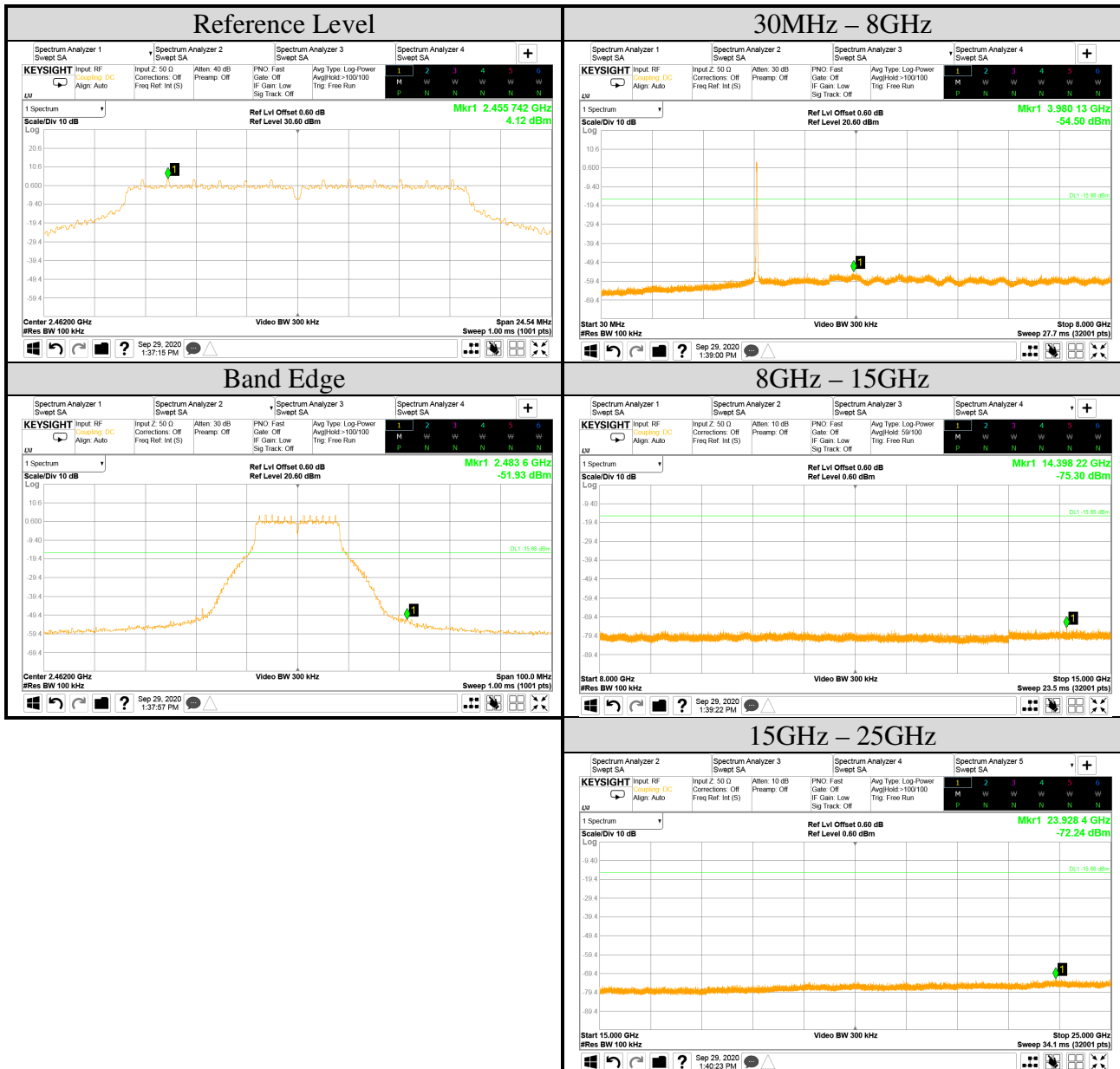
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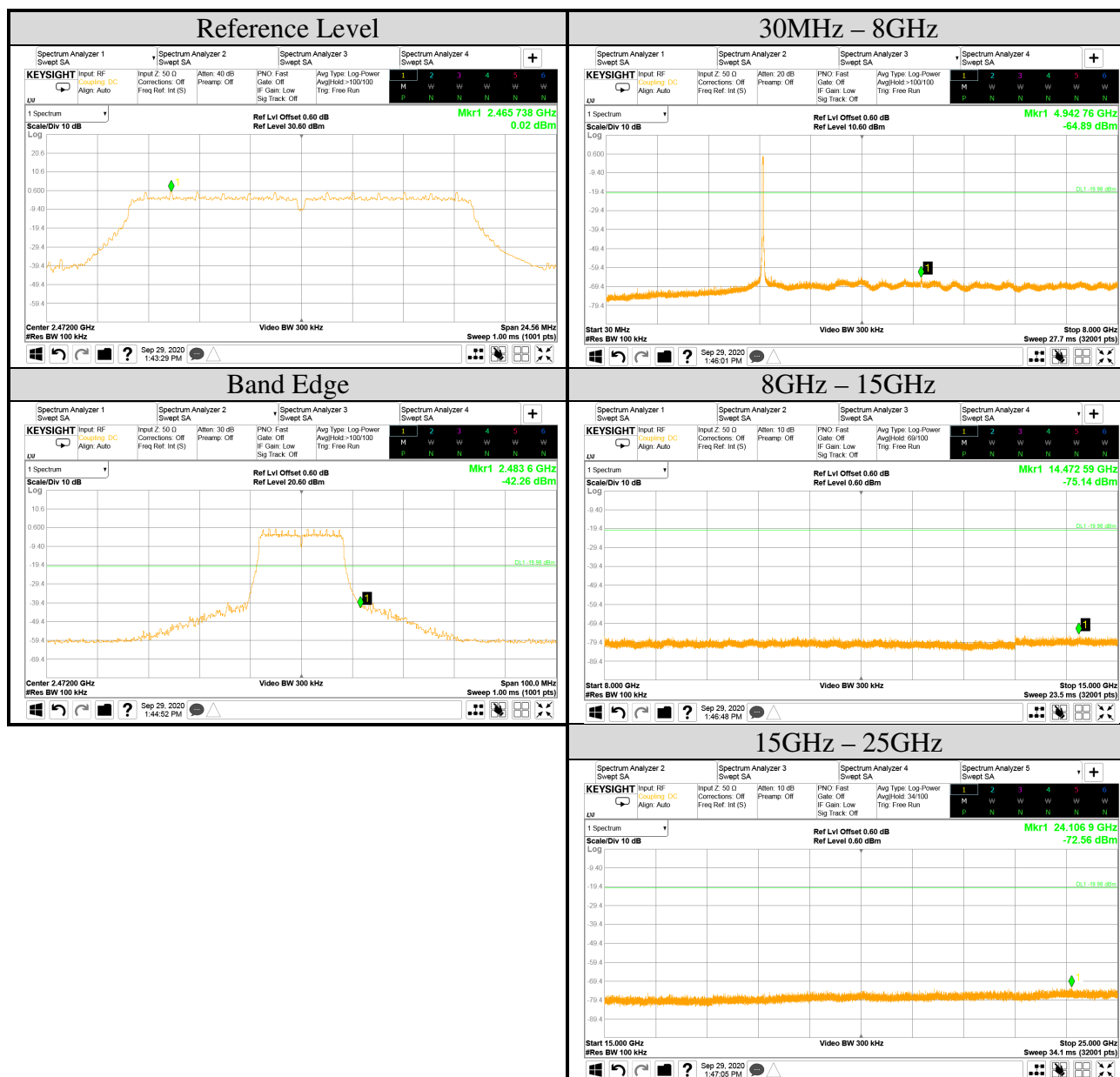
Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Brian Hsieh
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



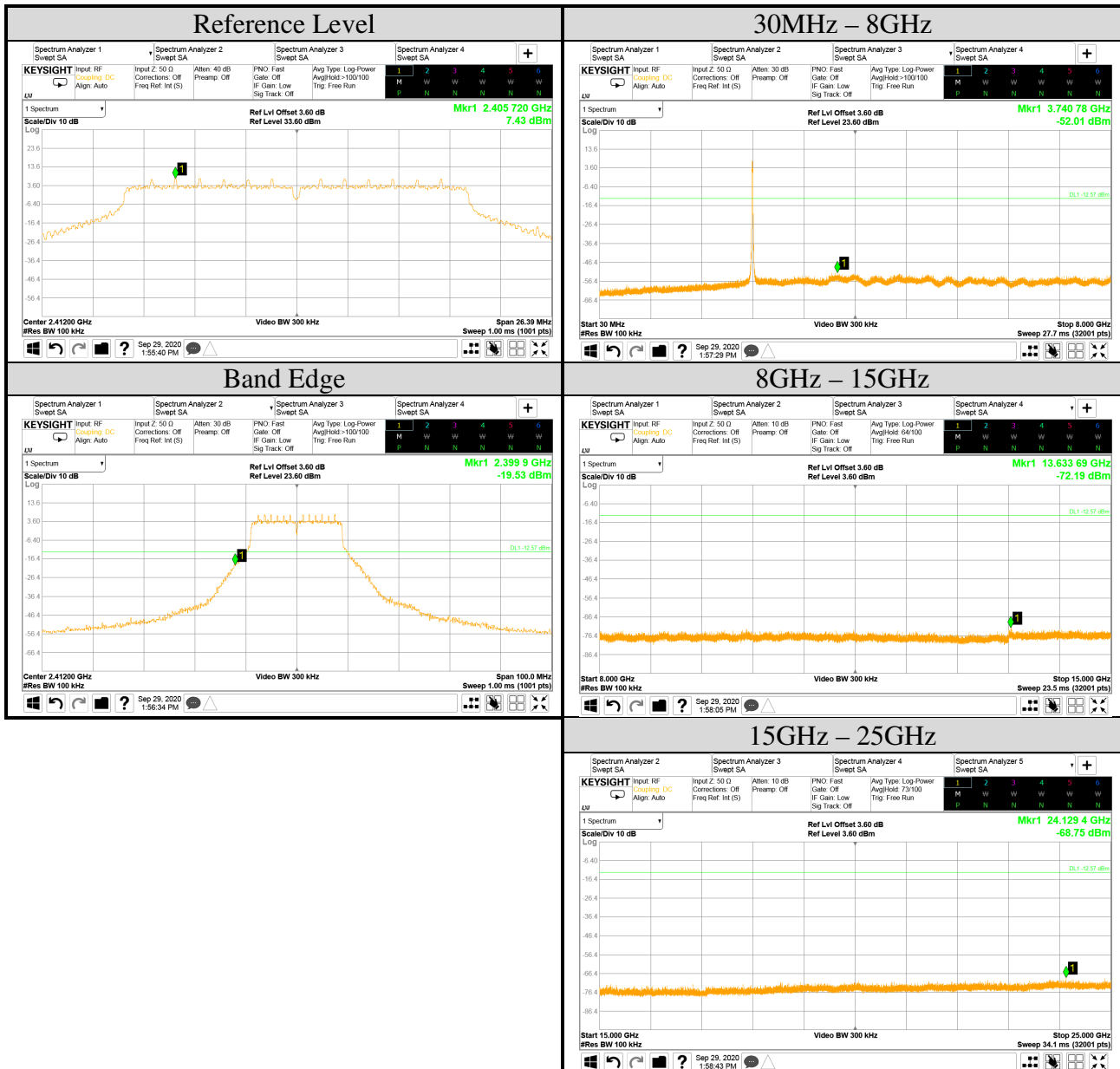
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Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Brian Hsieh
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Brian Hsieh
Frequency	TX 2472MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0dB



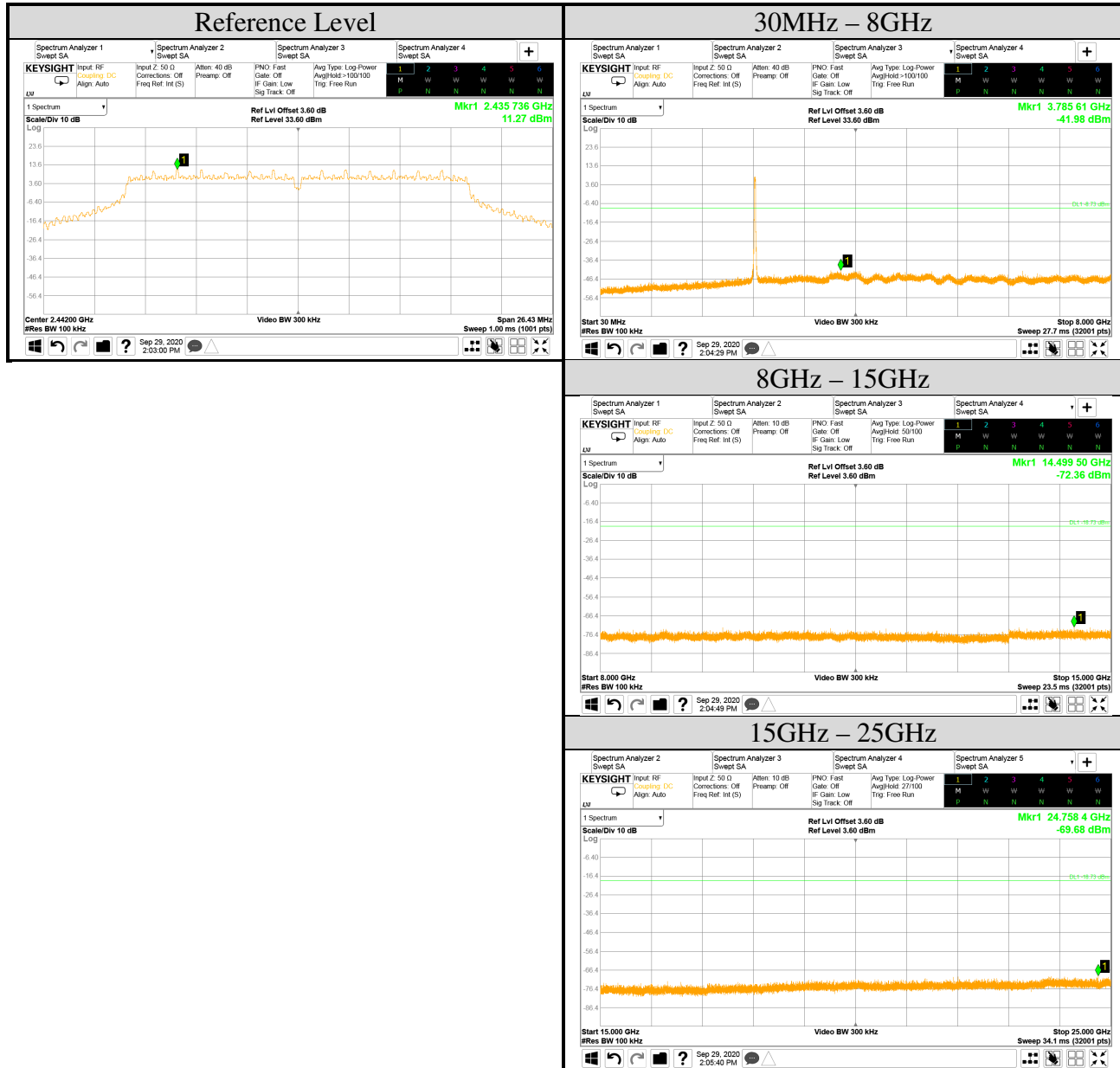
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Mode	802.11n-HT20	Tested By	Brian Hsieh
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



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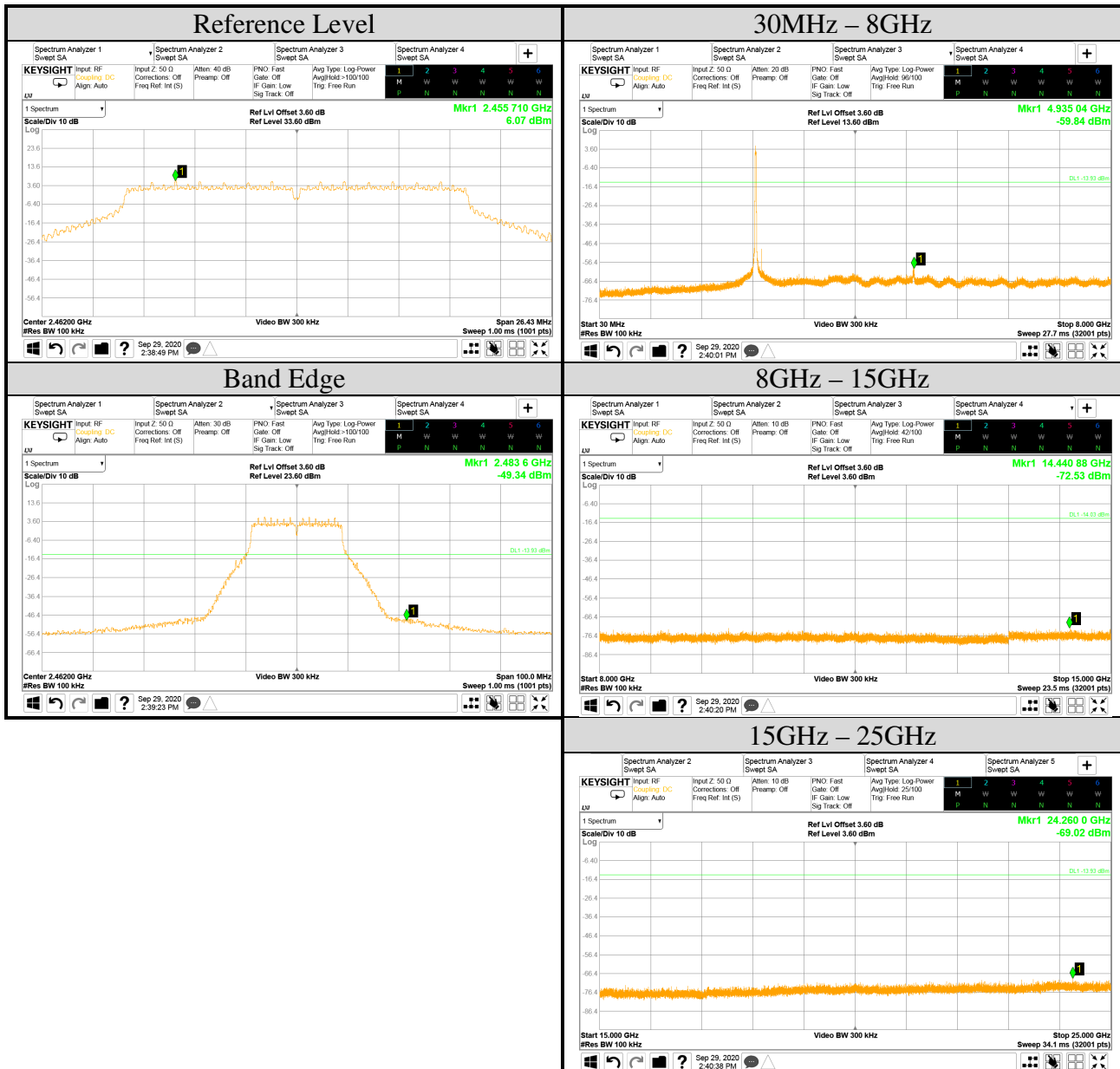
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Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Brian Hsieh
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



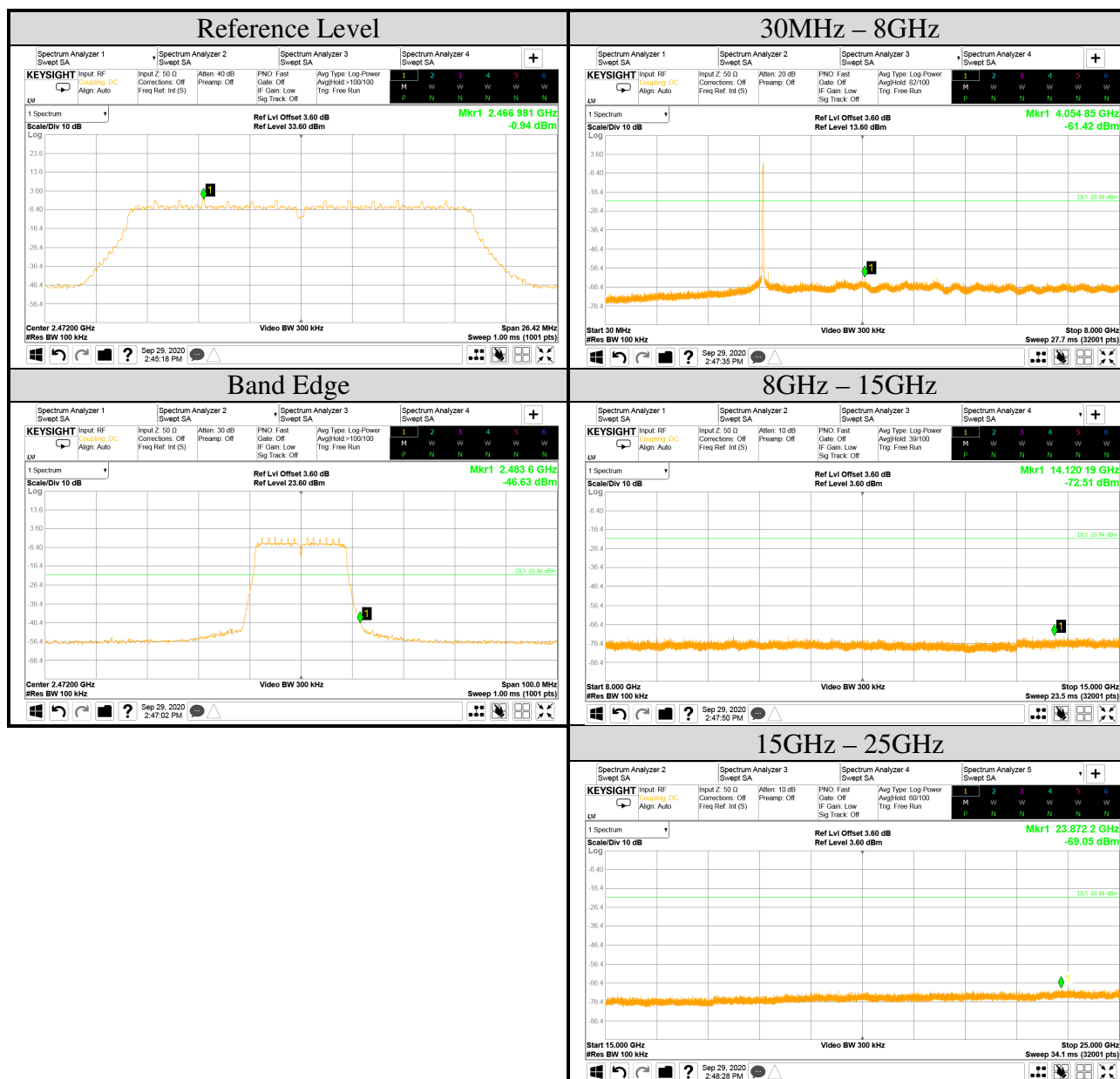
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Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Brian Hsieh
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



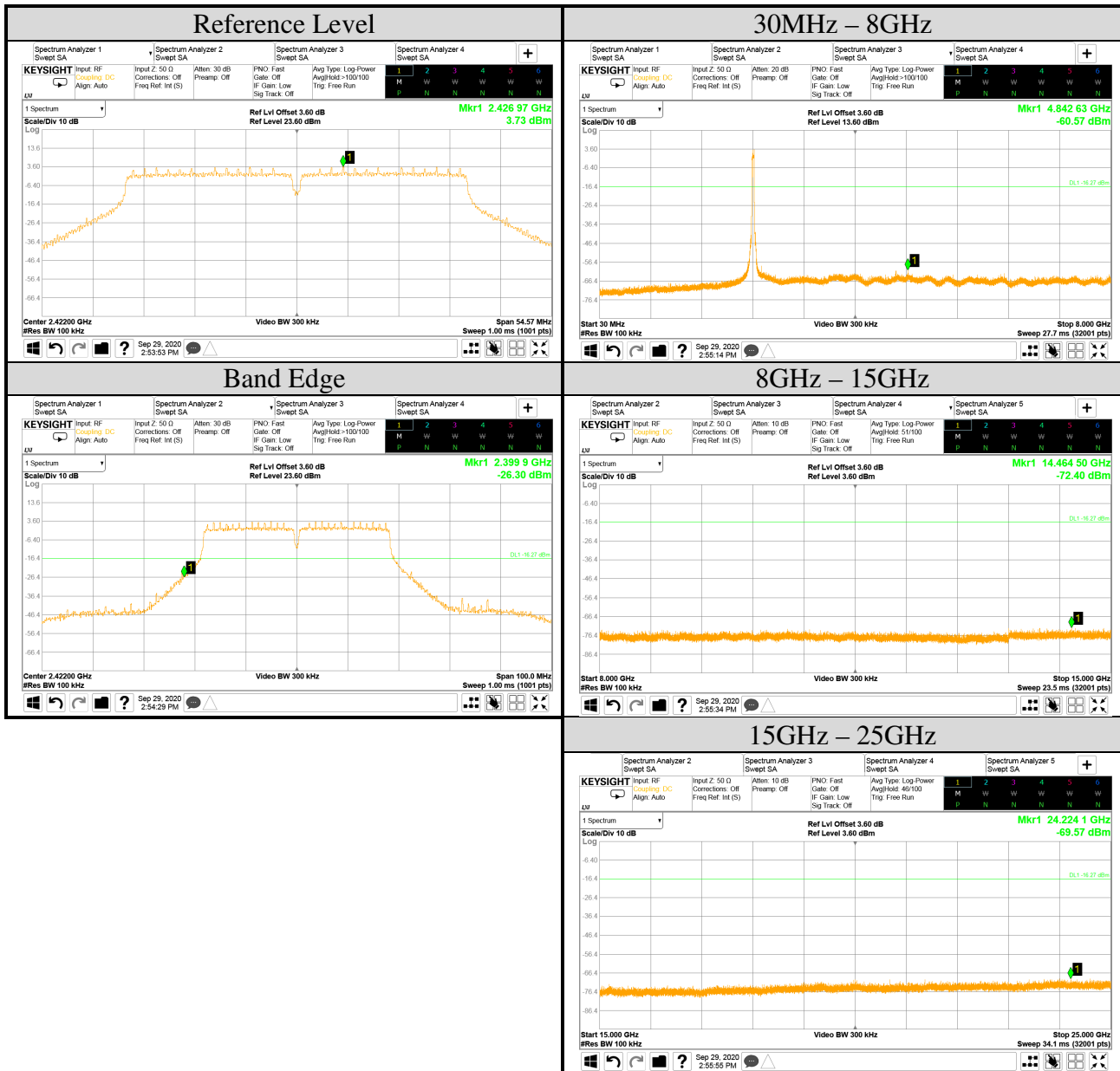
Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Brian Hsieh
Frequency	TX 2472MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



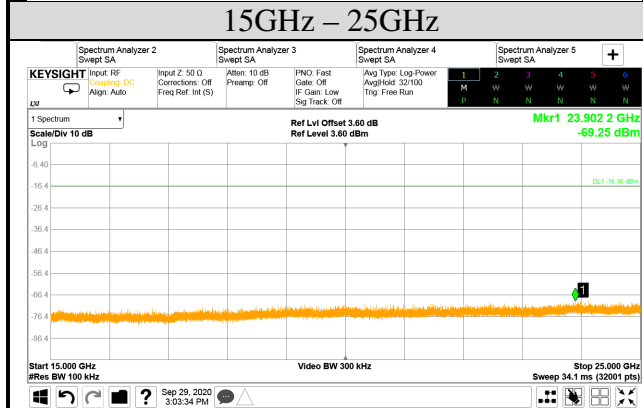
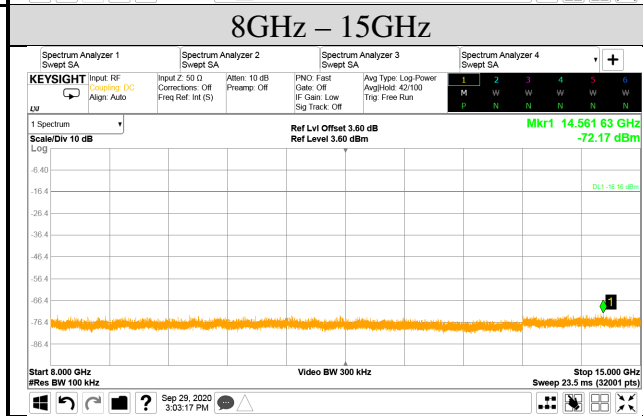
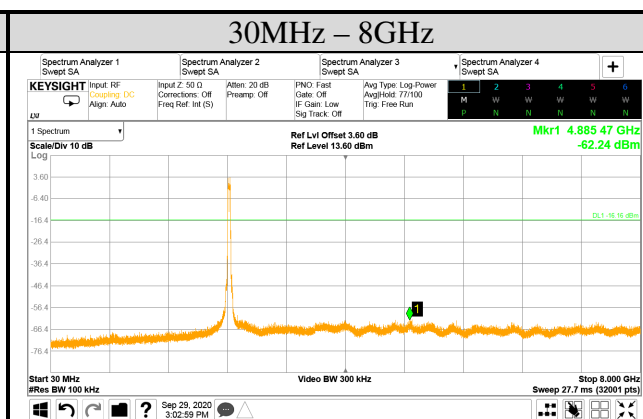
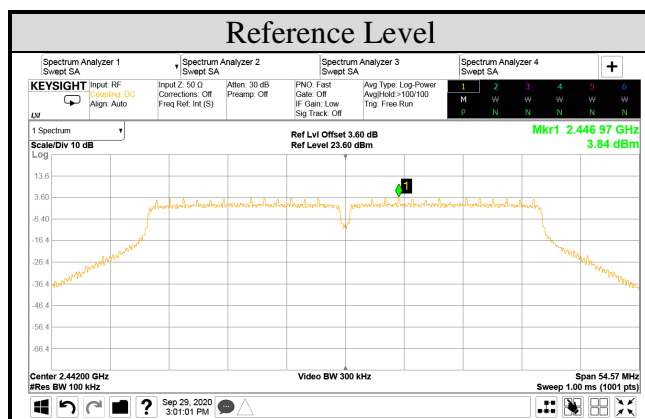
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Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Tested By	Brian Hsieh
Frequency	TX 2422MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Tested By	Brian Hsieh
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB



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Test Date	2020/09/29	Temp./Hum.	24°C/52%
Cable Loss	0.60dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Tested By	Brian Hsieh
Frequency	TX 2452MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3dB

