

A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2022/03/15~19	Temp./Hum.	23~24°C/58~60%
Cable Loss	WLAN: 0.50dB, BLE: 0.8dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Peak Output Power

WLAN 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	23.07	22.64	23.07	0.203	3.4	26.47	0.444	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.68	23.45	23.68	0.233		27.08	0.511	
	2462	22.94	22.78	22.94	0.197		26.34	0.431	
	2467	21.19	21.16	21.19	0.132		24.59	0.288	
	2472	19.26	19.12	19.26	0.084		22.66	0.185	

WLAN 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	21.50	21.15	21.50	0.141	3.4	24.90	0.309	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	23.43	23.48	23.48	0.223		26.88	0.488	
	2442	24.03	24.15	24.15	0.260		27.55	0.569	
	2457	23.30	23.35	23.35	0.216		26.75	0.473	
	2462	21.16	21.09	21.16	0.131		24.56	0.286	
	2467	18.63	18.50	18.63	0.073		22.03	0.160	
	2472	22.03	22.23	22.23	0.167		25.63	0.366	

WLAN 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	20.57	20.13	23.37	0.217	3.4	26.77	0.475	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	21.43	21.55	24.50	0.282		27.90	0.617	
	2422	21.82	21.58	24.71	0.296		28.11	0.647	
	2442	21.71	21.53	24.63	0.290		28.03	0.635	
	2457	21.65	21.56	24.62	0.290		28.02	0.634	
	2462	19.63	19.47	22.56	0.180		25.96	0.394	
	2467	16.64	16.17	19.42	0.087		22.82	0.191	
	2472	19.80	19.72	22.77	0.189		26.17	0.414	

WLAN 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	20.16	19.17	22.70	0.186	3.4	26.10	0.407	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.86	20.42	23.66	0.232		27.06	0.508	
	2452	20.26	19.98	23.13	0.206		26.53	0.450	
	2457	14.26	14.14	17.21	0.053		20.61	0.115	
	2462	20.28	20.10	23.20	0.209		26.60	0.457	

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WLAN 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	20.28	20.15	23.23	0.210	3.4	26.63	0.460	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	21.62	21.52	24.58	0.287		27.98	0.628	
	2422	21.62	21.45	24.55	0.285		27.95	0.624	
	2442	21.84	21.60	24.73	0.297		28.13	0.650	
	2457	21.86	21.46	24.67	0.293		28.07	0.641	
	2462	19.55	19.23	22.40	0.174		25.80	0.380	
	2467	16.59	16.13	19.38	0.087		22.78	0.190	
	2472	19.43	19.37	22.41	0.174		25.81	0.381	

WLAN 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	19.75	19.21	22.50	0.178	3.4	25.90	0.389	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.49	20.12	23.32	0.215		26.72	0.470	
	2452	20.31	20.06	23.20	0.209		26.60	0.457	
	2457	14.17	13.84	17.02	0.050		20.42	0.110	
	2462	20.10	19.78	22.95	0.197		26.35	0.432	

WLAN Mode	Centre Frequency (MHz)	RU Configuration	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	26/0	20.62	20.10	23.38	0.218	3.4	26.78	0.476	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
		52/37	21.08	20.67	23.89	0.245		27.29	0.536	
		106/53	20.11	19.66	22.90	0.195		26.30	0.427	
	2472	26/8	12.82	13.62	16.25	0.042		19.65	0.092	
		52/40	15.80	15.36	18.60	0.072		22.00	0.158	
		106/54	16.15	15.63	18.91	0.078		22.31	0.170	

WLAN Mode	Centre Frequency (MHz)	RU Configuration	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	242/61	19.72	19.03	22.40	0.174	3.4	25.80	0.380	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2462	242/62	20.83	20.68	23.77	0.238		27.17	0.521	

BLE Mode	Centre Frequency (MHz)	Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		(dBm)	(W)		(dBm)	(W)	
1M	2402	6.12	0.0041	2.7	8.82	0.0076	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.93	0.0039		8.63	0.0073	
	2480	5.85	0.0038		8.55	0.0072	
2M	2402	6.14	0.0041		8.84	0.0077	
	2440	5.95	0.0039		8.65	0.0073	
	2480	5.86	0.0039		8.56	0.0072	
PHY Coded S2	2402	6.12	0.0041		8.82	0.0076	
	2440	5.92	0.0039		8.62	0.0073	
	2480	5.83	0.0038		8.53	0.0071	
PHY Coded S8	2402	6.11	0.0041		8.81	0.0076	
	2440	5.93	0.0039		8.63	0.0073	
	2480	5.85	0.0038		8.55	0.0072	

Note: The results have been included cable loss.

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A.4.2 Average Output Power (Reporting only)

WLAN 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	19.25	18.88	0	19.25	0.084	3.4	22.65	0.184	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.22	20.16		20.22	0.105		23.62	0.230	
	2462	19.11	19.07		19.11	0.081		22.51	0.178	
	2467	16.87	16.84		16.87	0.049		20.27	0.106	
	2472	14.56	14.50		14.56	0.029		17.96	0.063	

WLAN 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	16.06	15.86	0.103	16.16	0.041	3.4	19.56	0.090	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	18.22	18.32		18.42	0.070		21.82	0.152	
	2442	19.14	19.37		19.47	0.089		22.87	0.194	
	2457	18.12	18.23		18.33	0.068		21.73	0.149	
	2462	15.74	15.62		15.84	0.038		19.24	0.084	
	2467	13.24	13.13		13.34	0.022		16.74	0.047	
	2472	11.84	11.37		11.94	0.016		15.34	0.034	

WLAN 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	15.13	14.76	0	17.96	0.063	3.4	21.36	0.137	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	16.54	16.16		19.36	0.086		22.76	0.189	
	2422	16.37	16.07		19.23	0.084		22.63	0.183	
	2442	16.39	16.35		19.38	0.087		22.78	0.190	
	2457	16.42	16.38		19.41	0.087		22.81	0.191	
	2462	14.31	14.01		17.17	0.052		20.57	0.114	
	2467	11.43	10.93		14.20	0.026		17.60	0.058	
	2472	8.56	8.33		11.46	0.014		14.86	0.031	

WLAN 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	13.92	13.48	0	16.72	0.047	3.4	20.12	0.103	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	14.73	14.38		17.57	0.057		20.97	0.125	
	2452	14.38	14.17		17.29	0.054		20.69	0.117	
	2457	6.28	5.92		9.11	0.008		12.51	0.018	
	2462	9.01	8.86		11.95	0.016		15.35	0.034	

WLAN 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	14.96	14.56	0	17.77	0.060	3.4	21.17	0.131	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	16.10	15.96		19.04	0.080		22.44	0.175	
	2422	16.21	15.85		19.04	0.080		22.44	0.175	
	2442	16.18	15.92		19.06	0.081		22.46	0.176	
	2457	16.30	16.02		19.17	0.083		22.57	0.181	
	2462	14.07	13.76		16.93	0.049		20.33	0.108	
	2467	11.14	10.62		13.90	0.025		17.30	0.054	
	2472	8.36	8.11		11.25	0.013		14.65	0.029	

Note: The results have been included cable loss.

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WLAN 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	13.62	13.12	0	16.39	0.044	3.4	19.79	0.095	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	14.36	14.04		17.21	0.053		20.61	0.115	
	2452	14.07	13.77		16.93	0.049		20.33	0.108	
	2457	6.16	5.66		8.93	0.008		12.33	0.017	
	2462	8.89	8.62		11.77	0.015		15.17	0.033	

Mode	Centre Frequency (MHz)	RU Config	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	26/0	15.29	14.78	0	18.05	0.064	3.6	21.65	0.146	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
		52/37	16.00	15.56		18.80	0.076		22.40	0.174	
		106/53	15.07	14.67		17.88	0.061		21.48	0.141	
	2472	26/8	-1.39	-1.06		1.79	0.002		5.39	0.003	
		52/40	2.92	2.16		5.57	0.004		9.17	0.008	
		106/54	3.52	2.84		6.20	0.004		9.80	0.010	

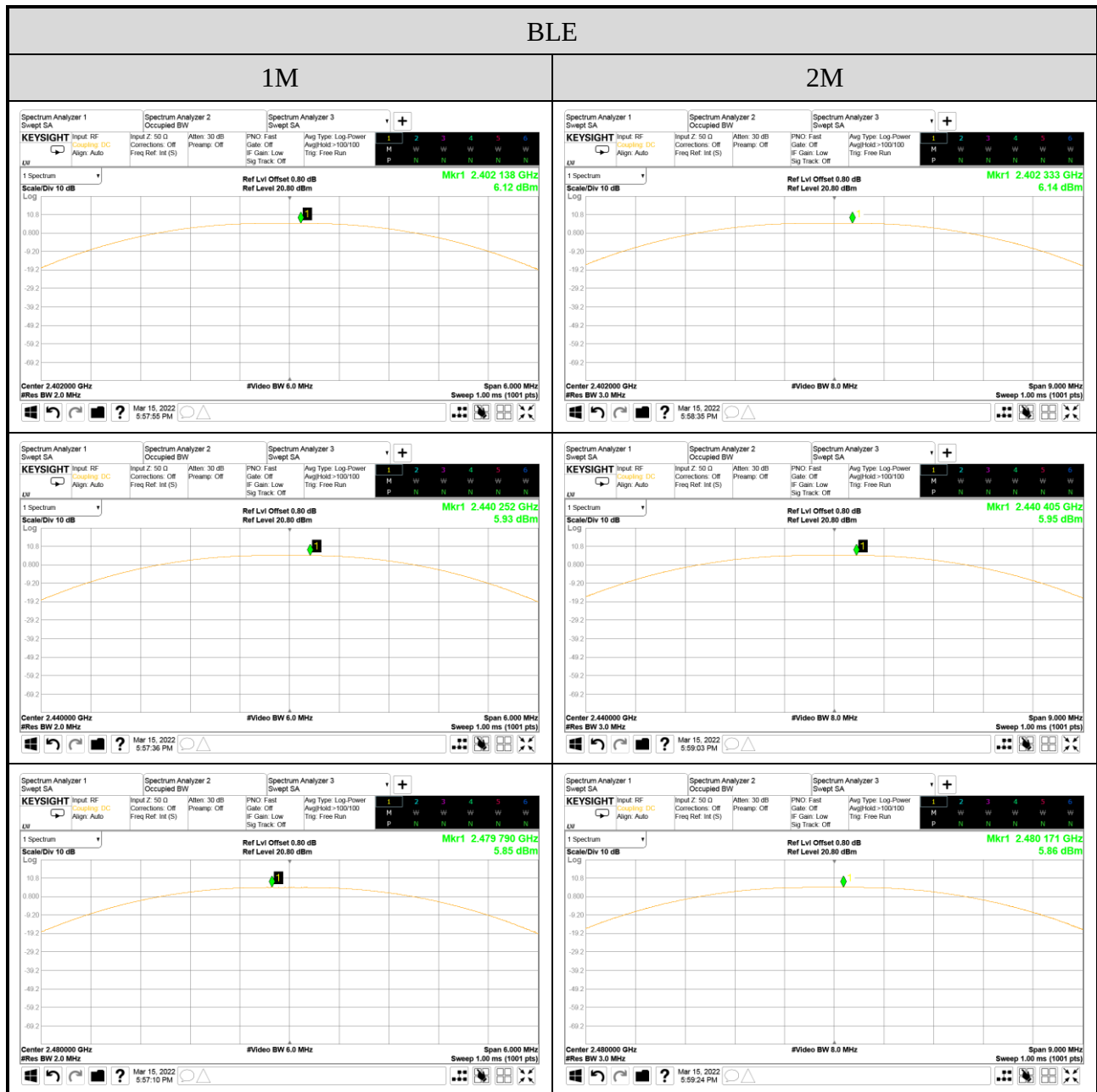
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			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE40	2422	242/61	14.23	13.71	0	16.99	0.050	3.6	20.59	0.115	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2462	242/62	15.50	15.10		18.31	0.068		21.91	0.155	

Note: The results have been included cable loss.

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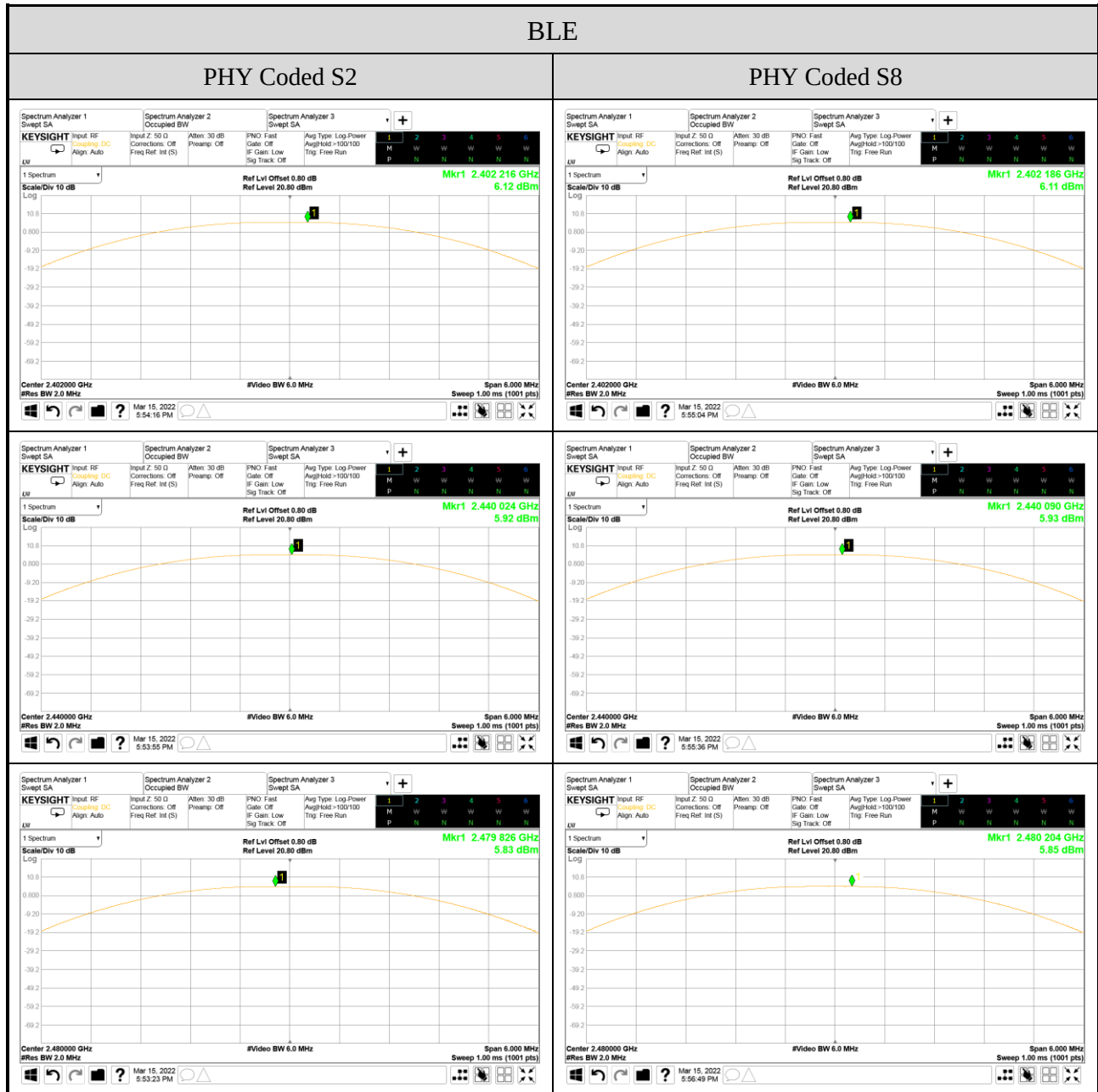
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A.4.3 Measurement Plots



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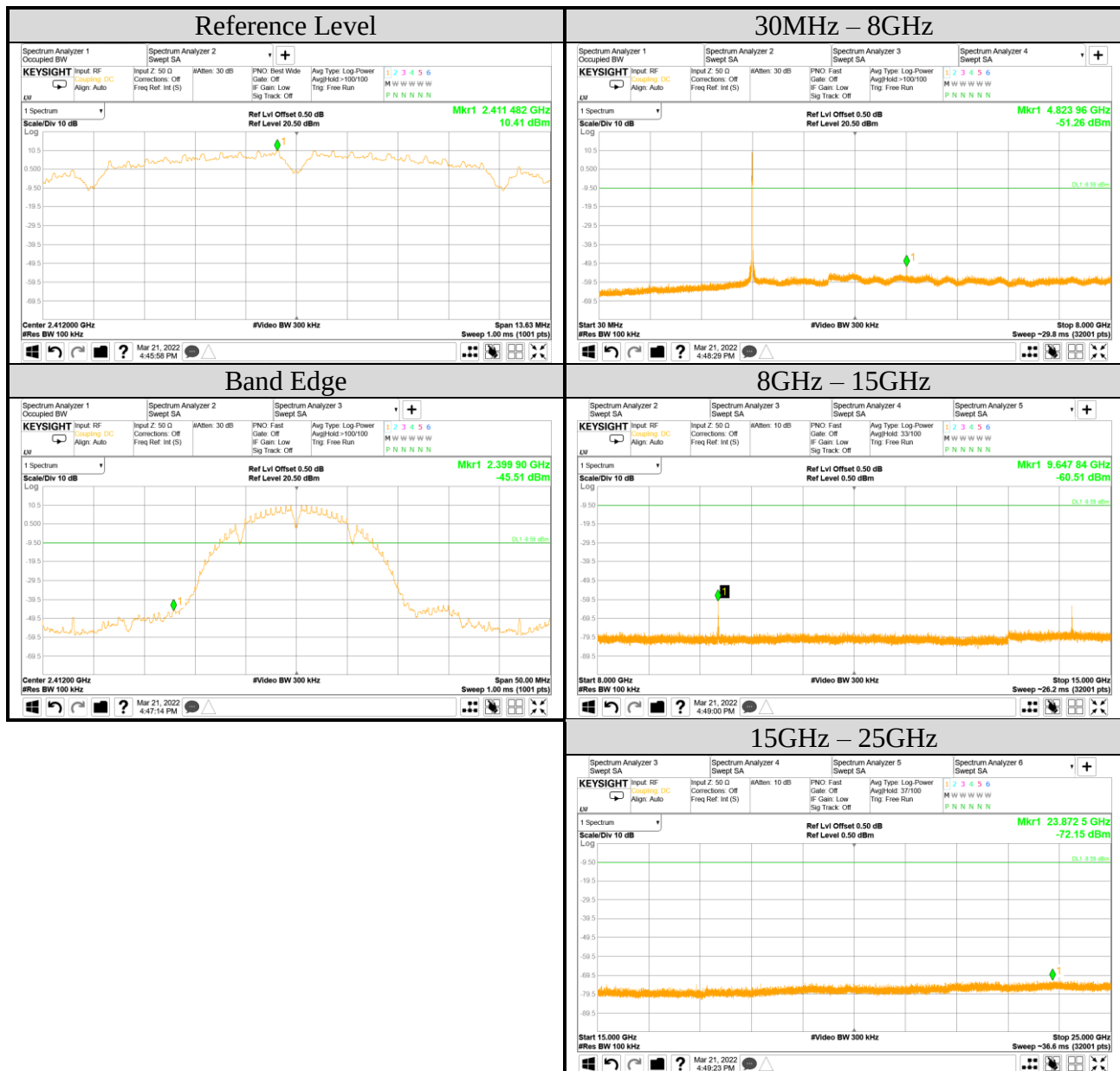


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A.5 EMISSION LIMITATIONS

Test Date	2022/03/21	Temp./Hum.	23°C /66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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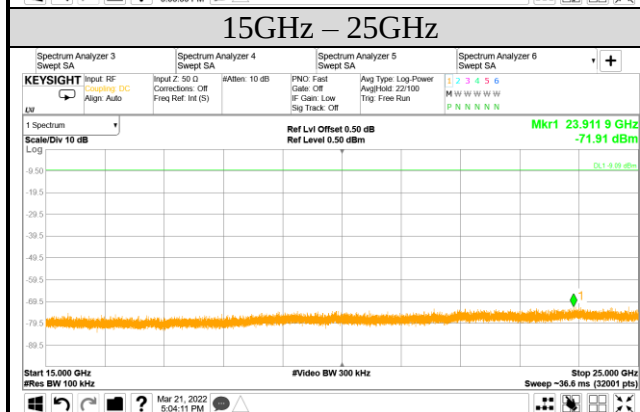
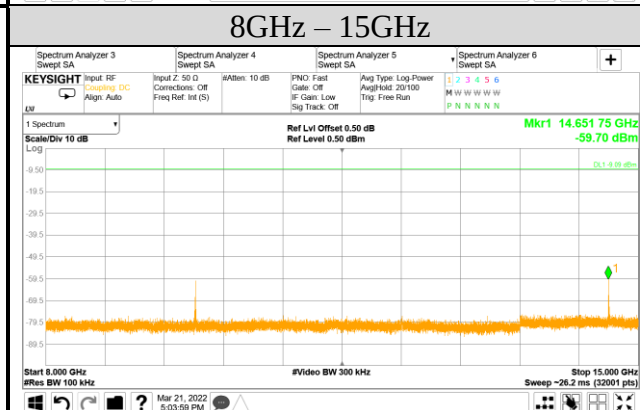
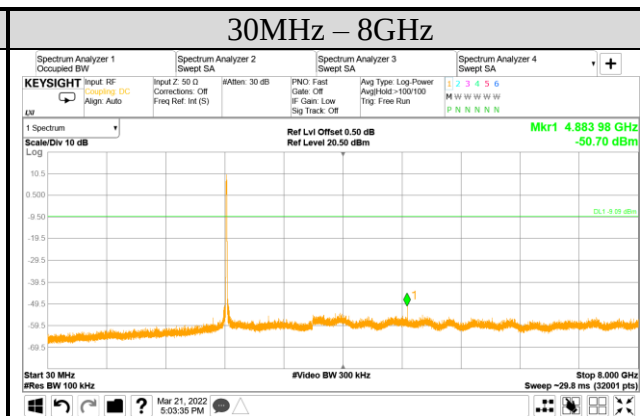
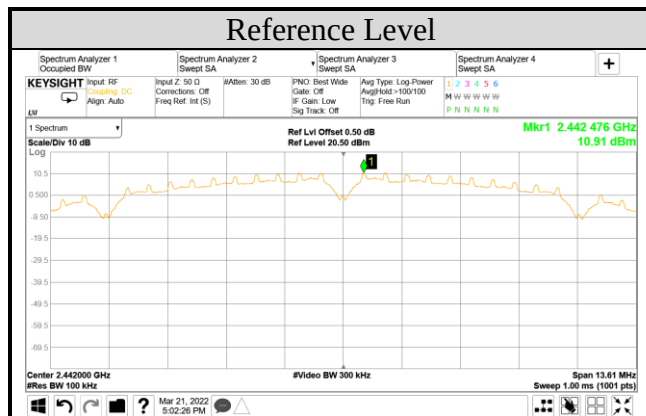
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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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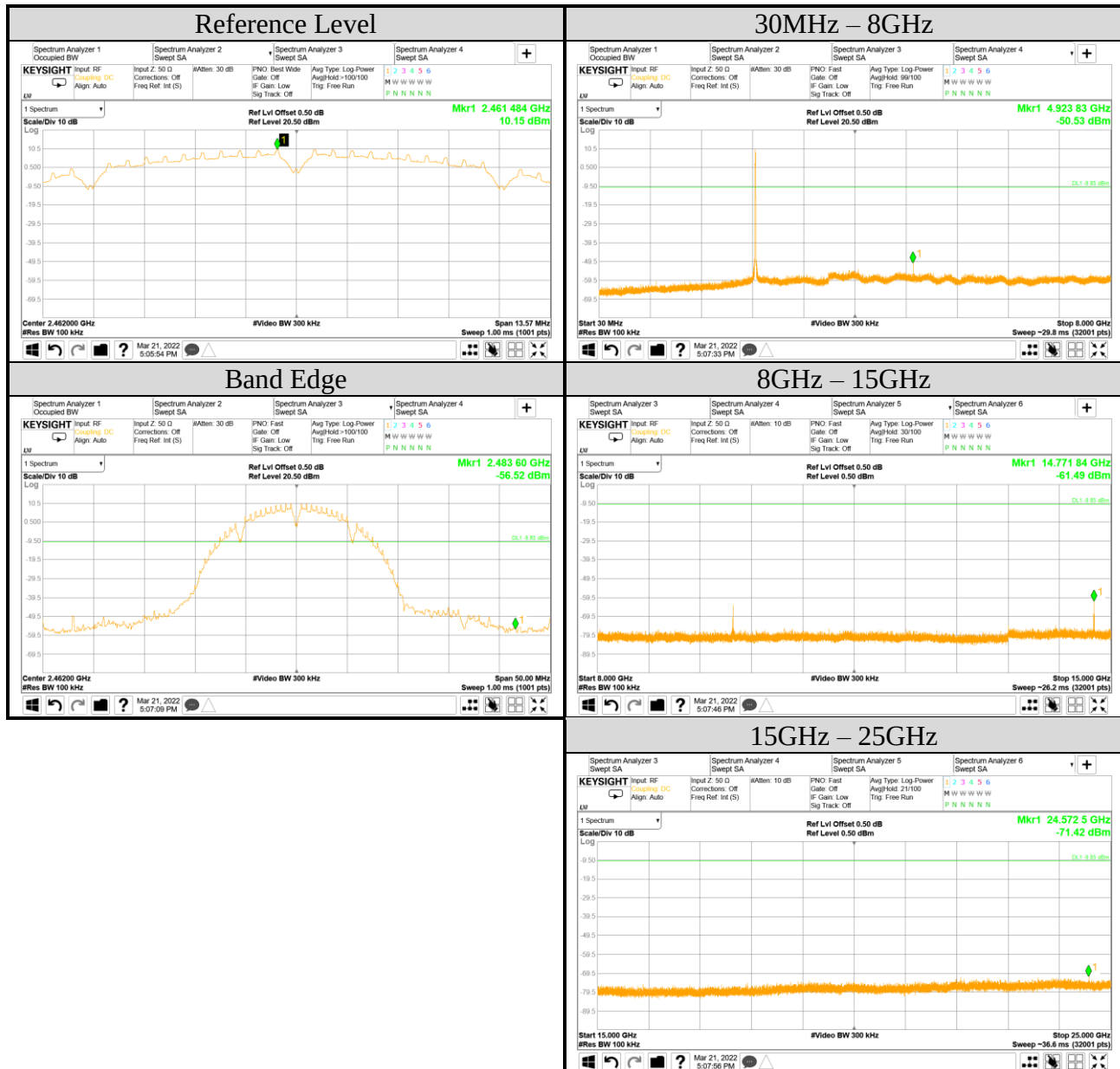
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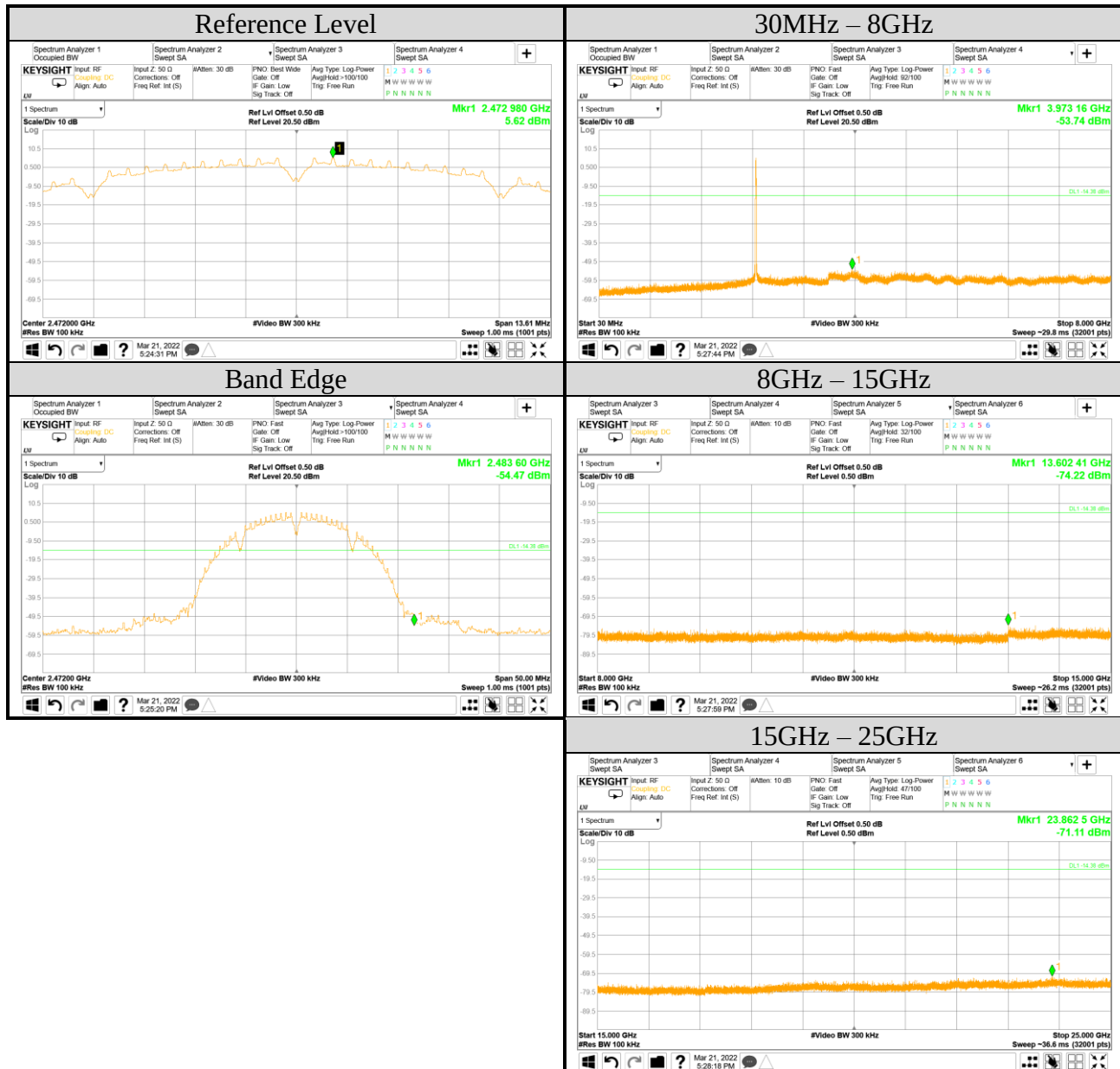
Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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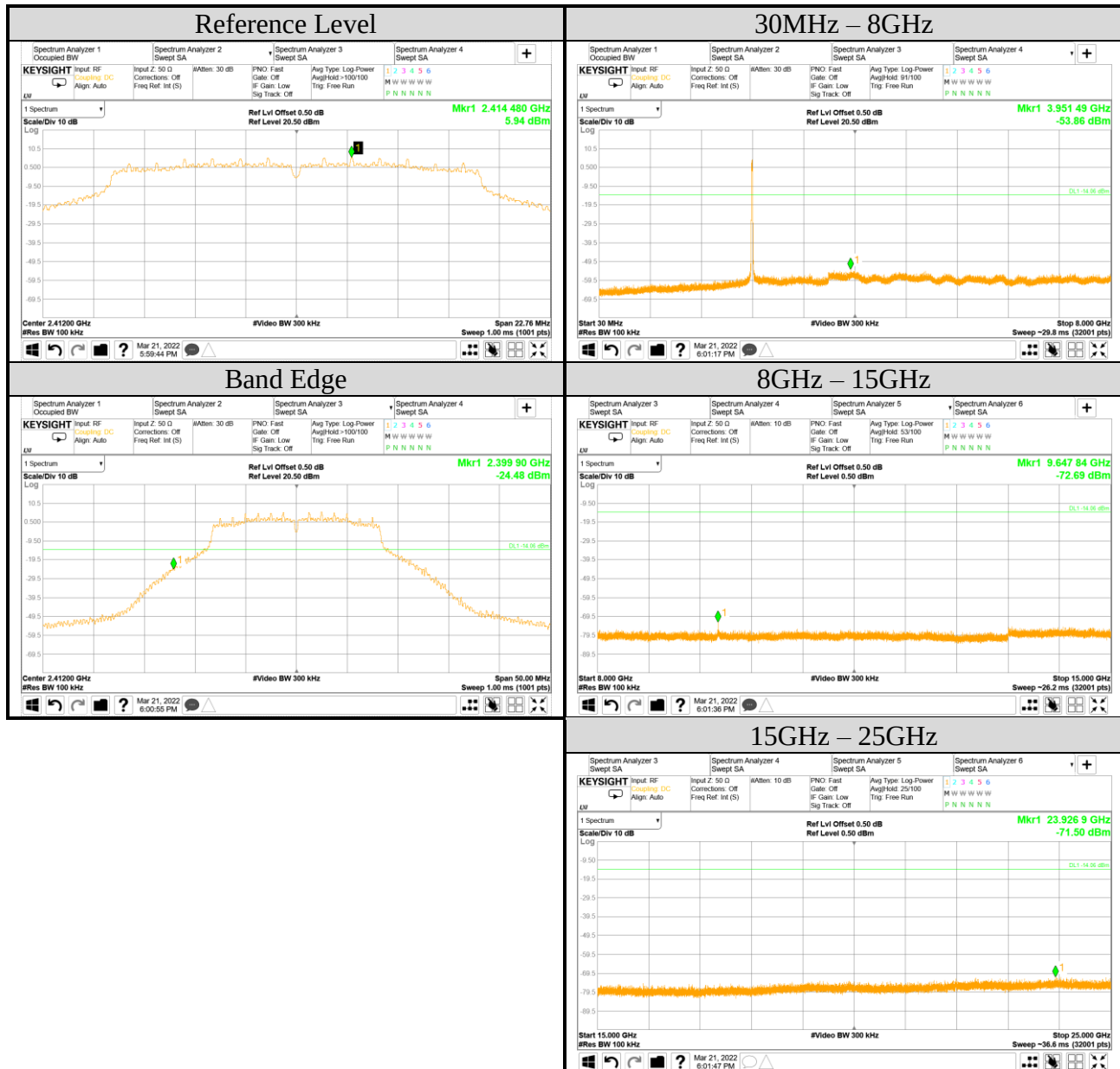
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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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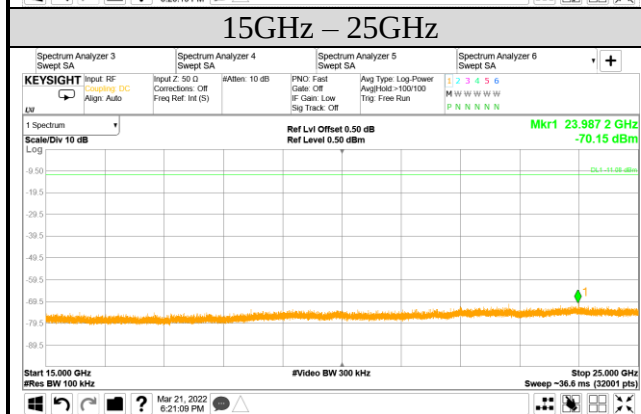
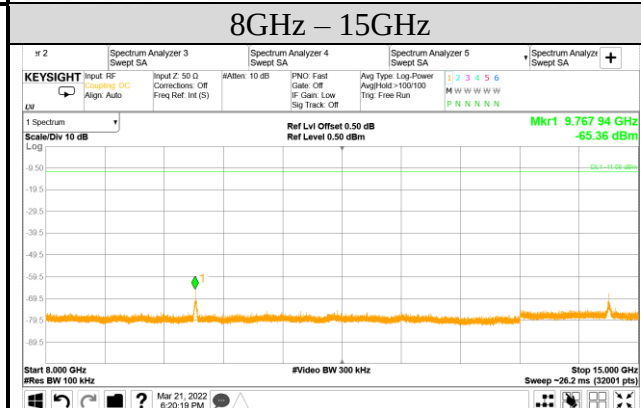
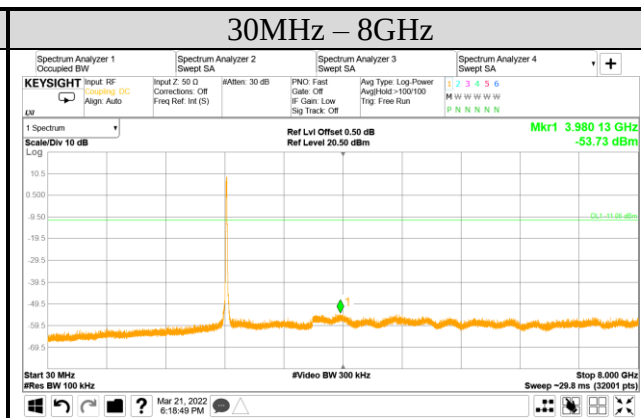
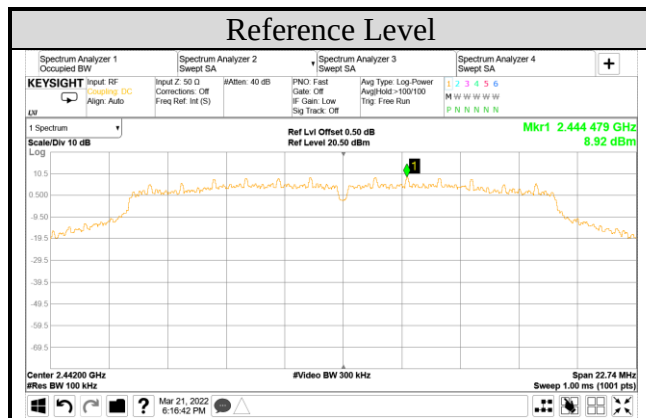
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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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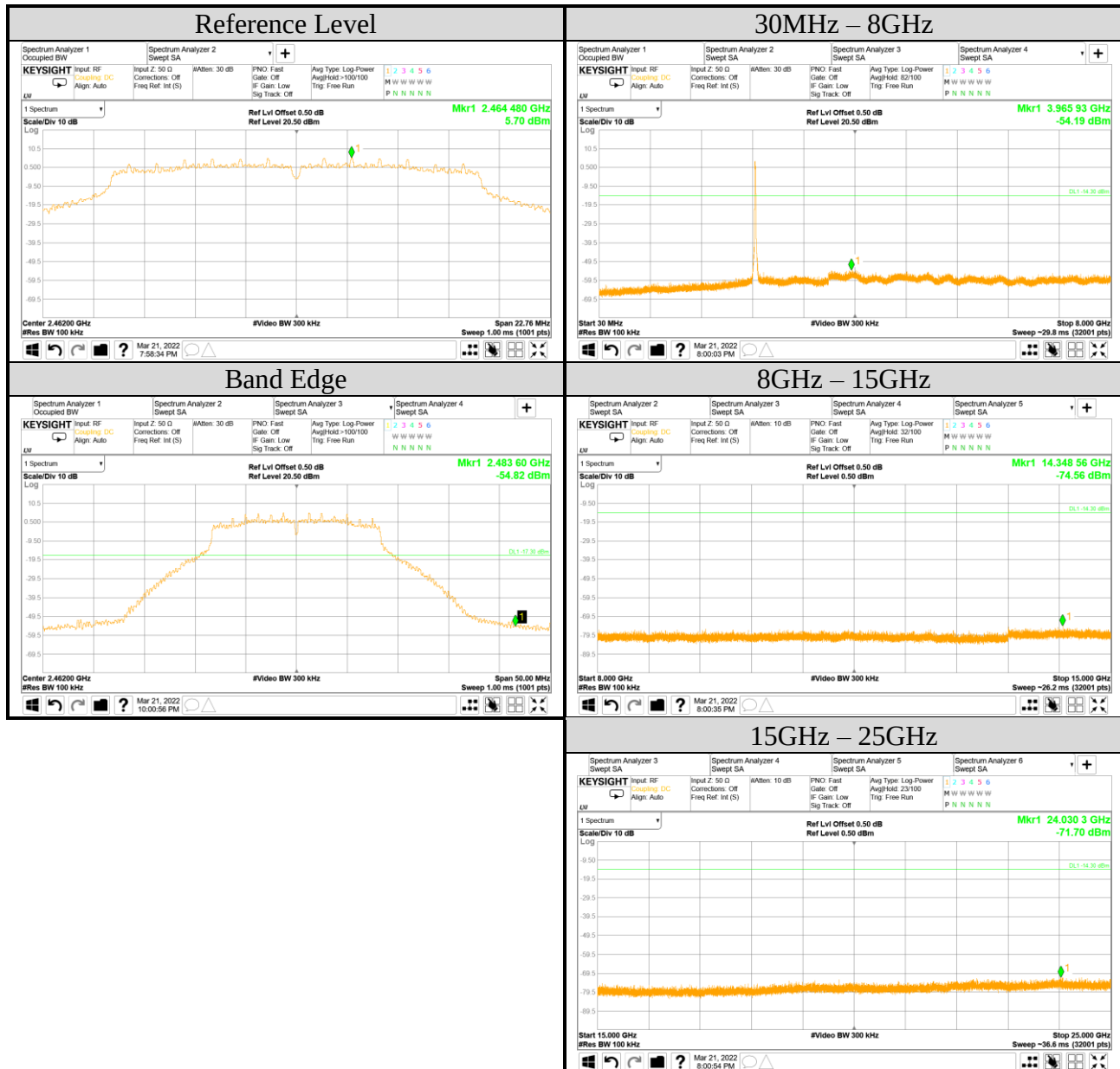
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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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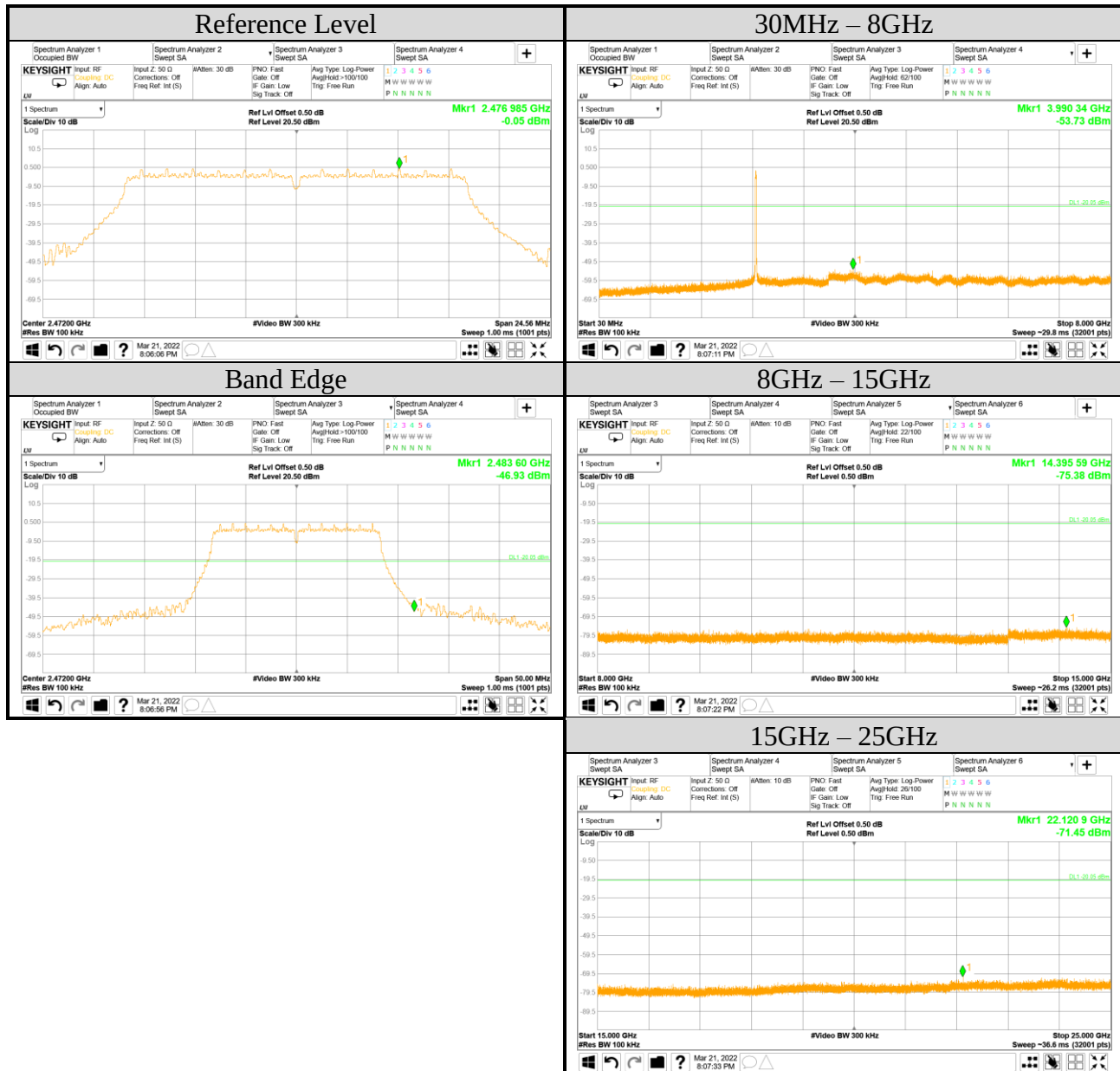
No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



Audix Technology Corp.

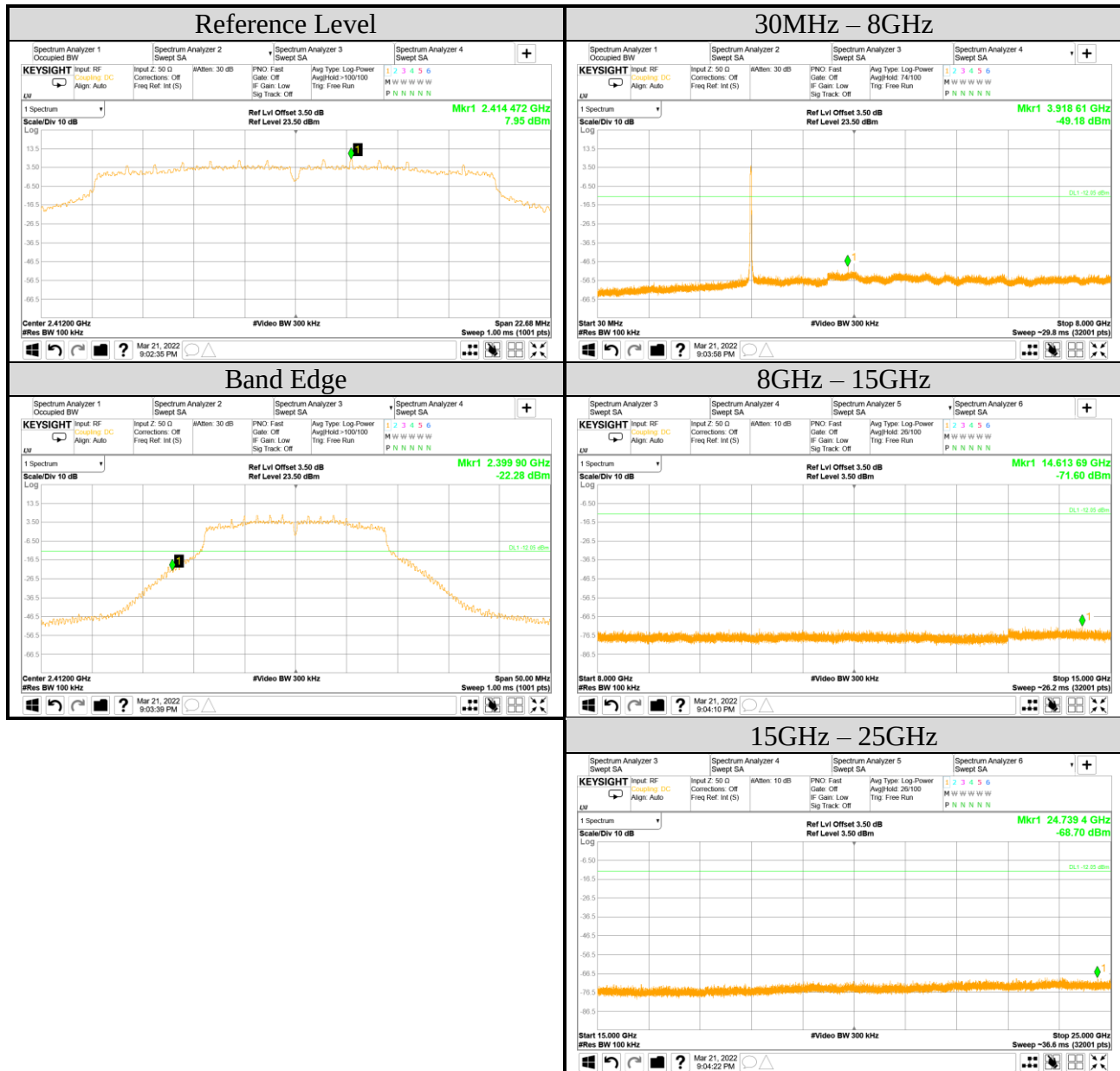
No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Audix Technology Corp.

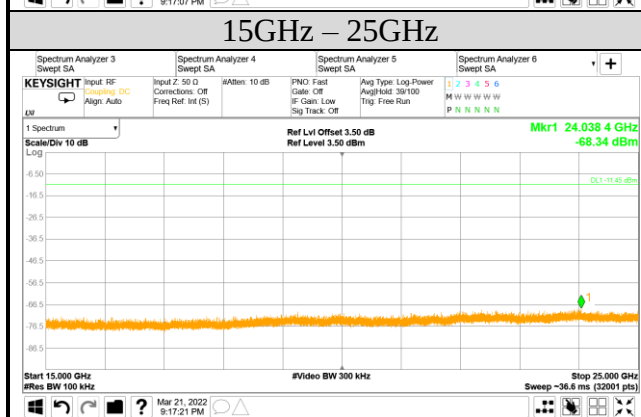
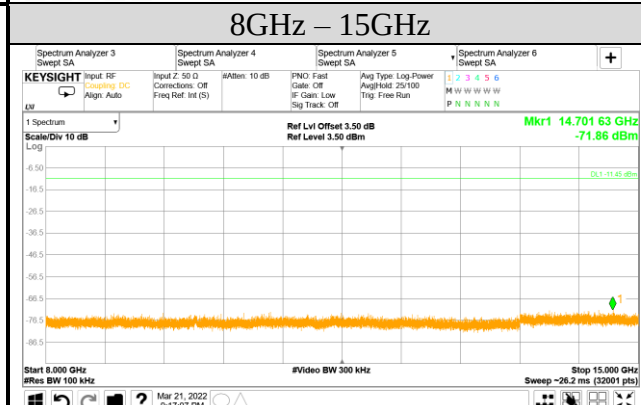
No. 491, Zhongfu Rd., Linkou Dist.,

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Tel: +886 2 26099301

Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Audix Technology Corp.

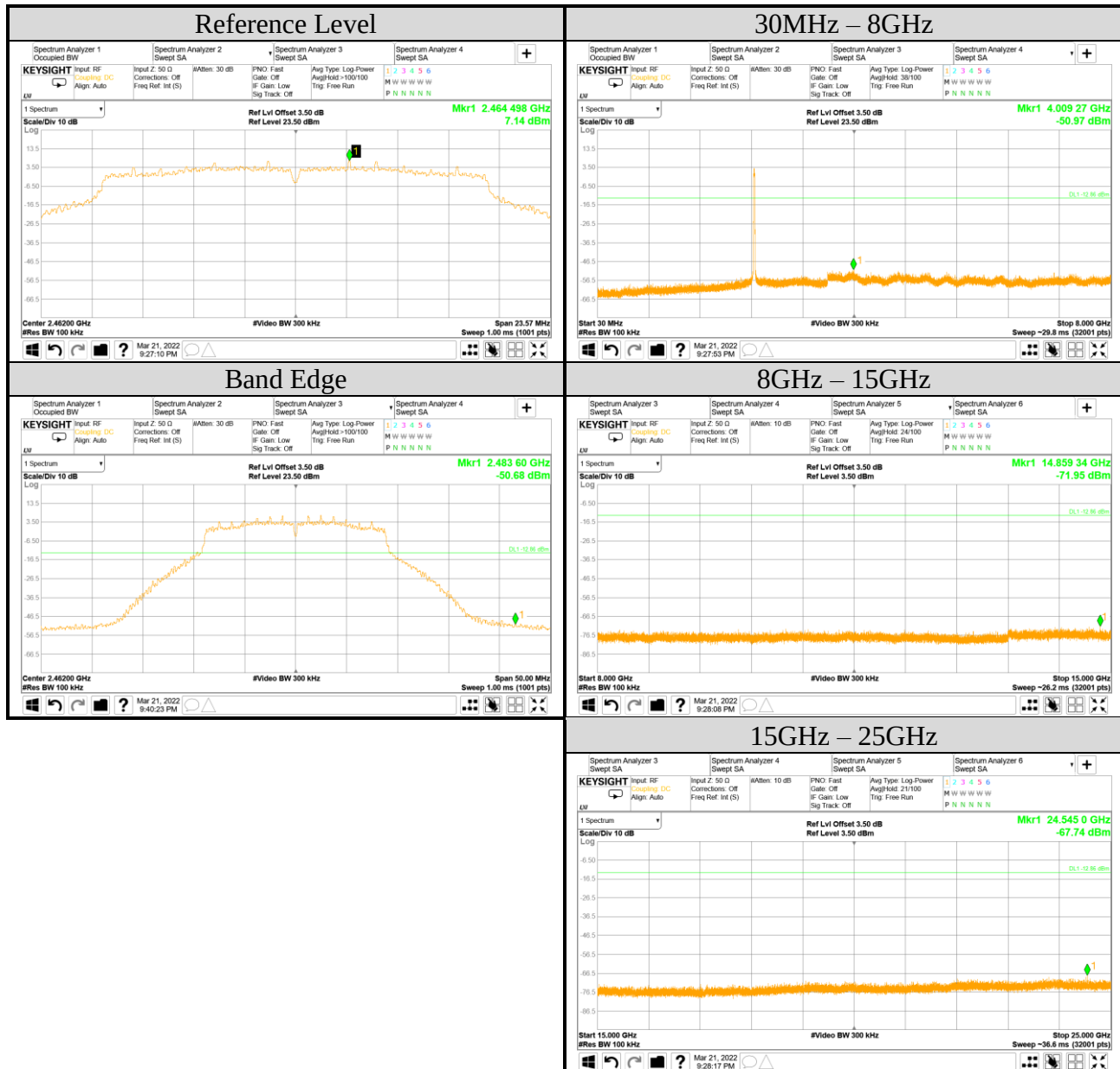
No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Audix Technology Corp.

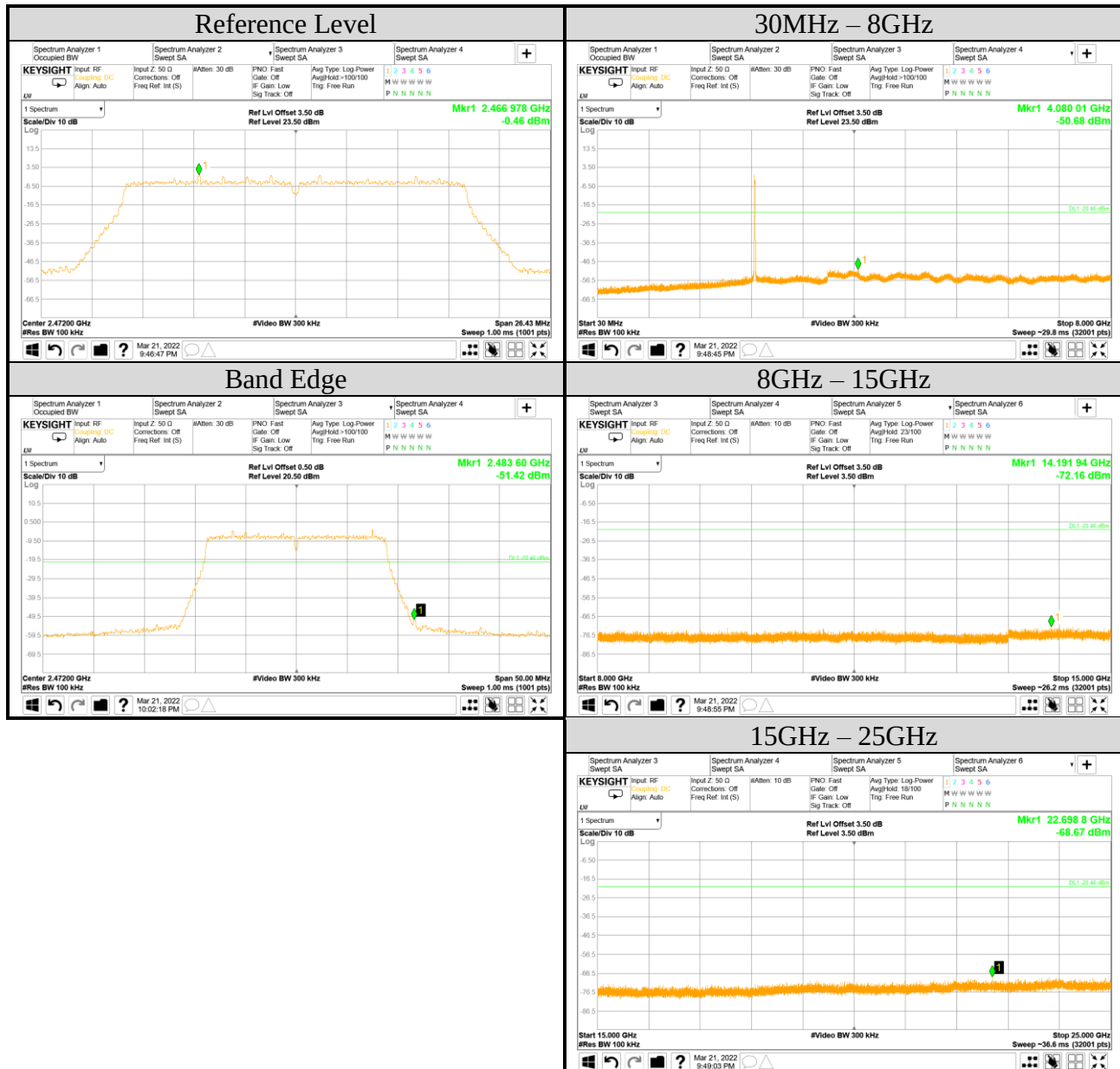
No. 491, Zhongfu Rd., Linkou Dist.,

New Taipei City244, Taiwan

Tel: +886 2 26099301

Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Audix Technology Corp.

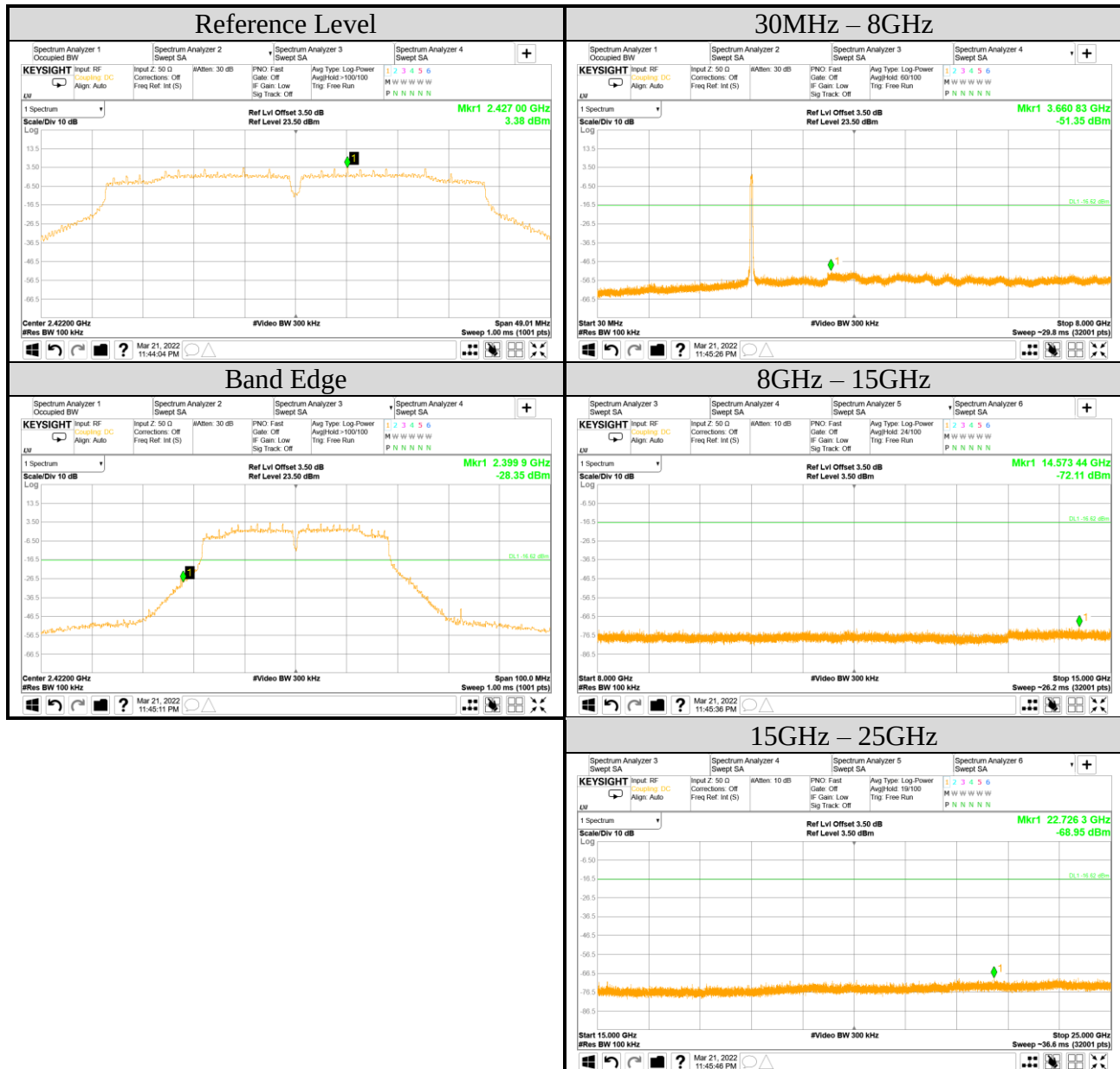
No. 491, Zhongfu Rd., Linkou Dist.,

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Fax: +886 2 26099303

Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT40
		Frequency	TX 2422MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Audix Technology Corp.

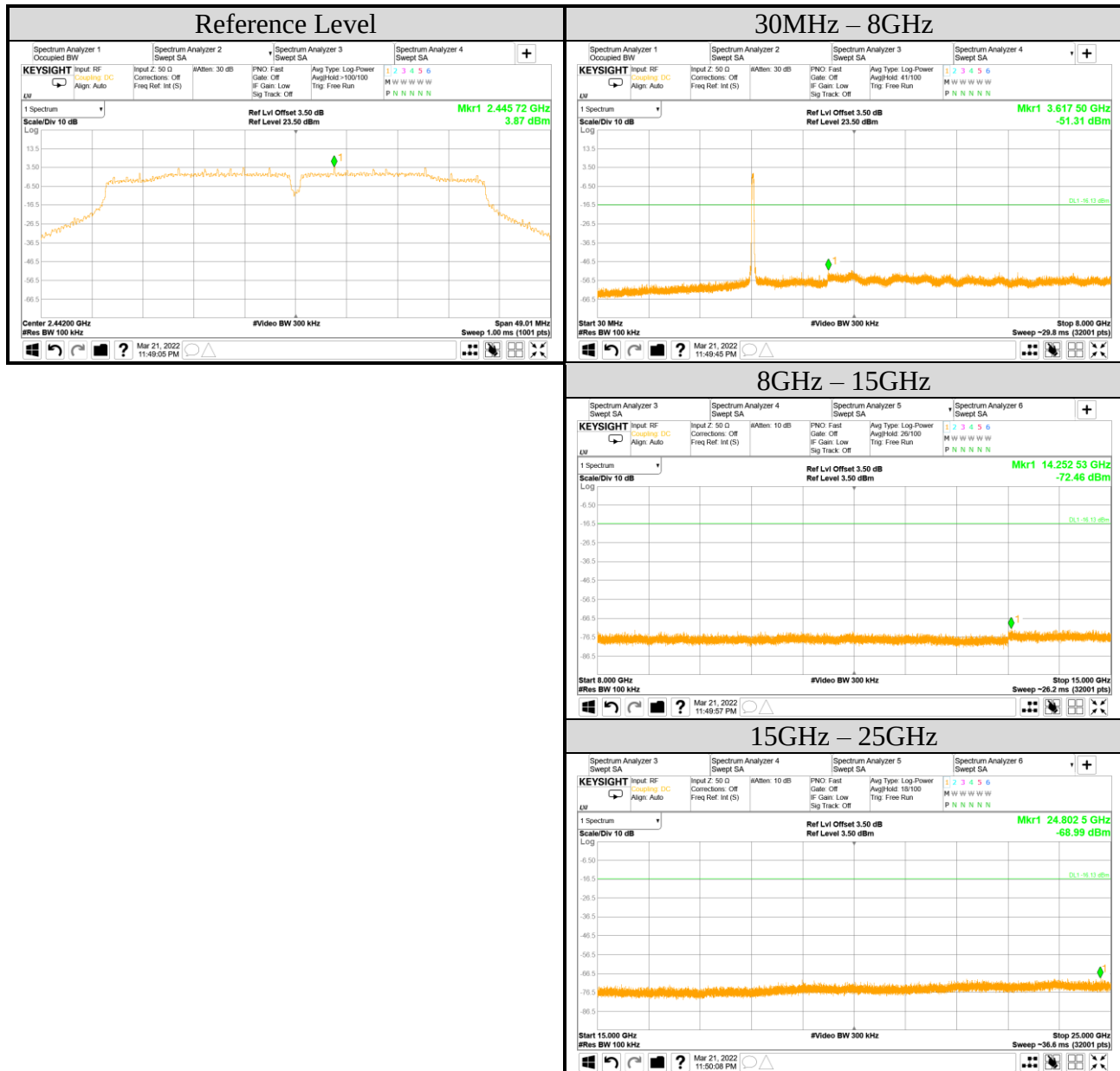
No. 491, Zhongfu Rd., Linkou Dist.,

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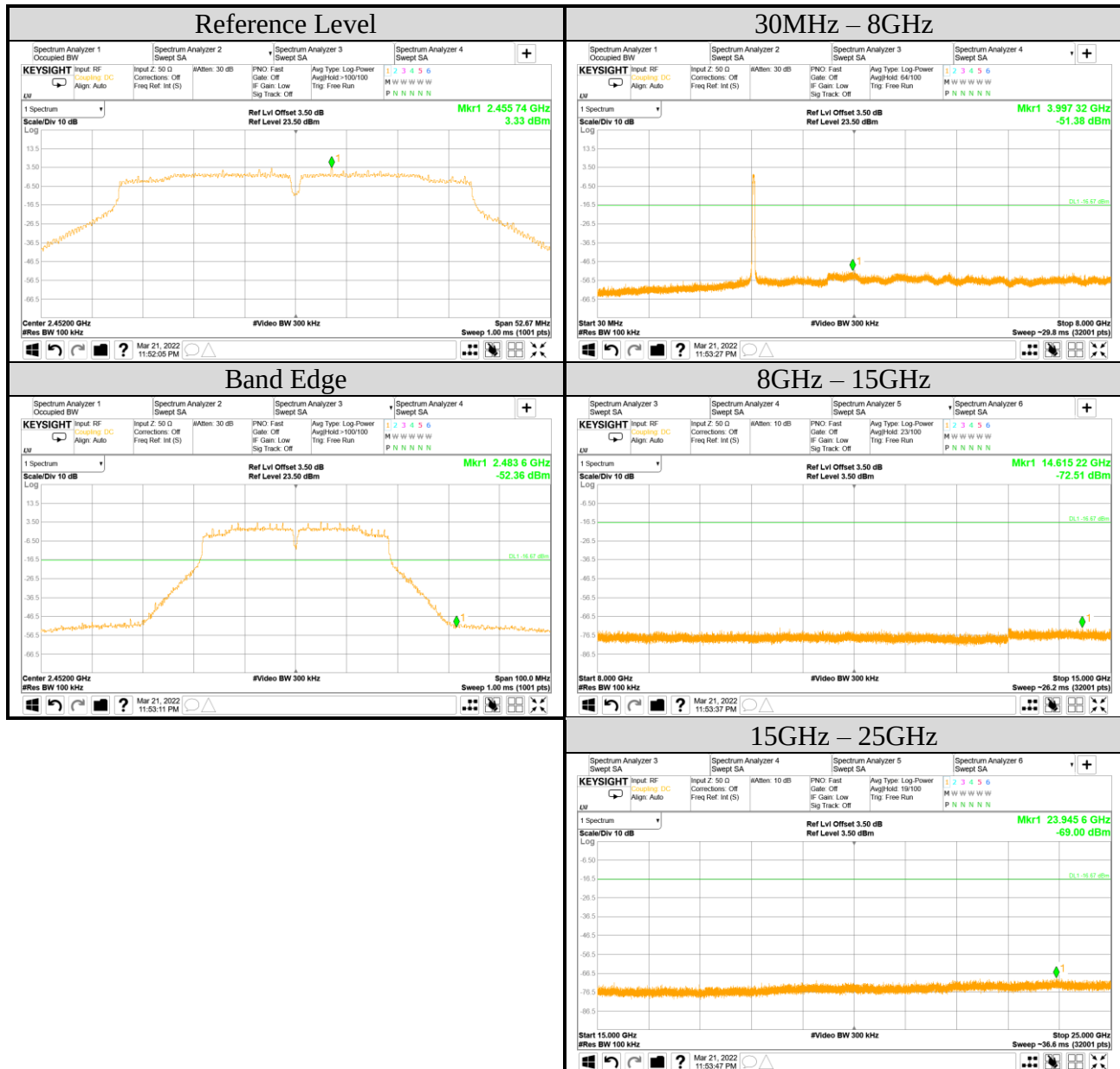
Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT40
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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Test Date	2022/03/21	Temp./Hum.	23℃/66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT40
		Frequency	TX 2452MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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Test Date	2022/03/21~22	Temp./Hum.	22~23℃/62~66%
Cable Loss	0.50dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT40
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

