

A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2019/09/19 ~ 25, 03/11	Temp./Hum.	24~25°C /50~54%, 21°C /51%
Cable Loss	0.5dB	Tested By	Martin Chen
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.4.1 Peak Output Power

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11b	2412	21.72	21.89	21.89	0.155	-1.40	20.49	0.112	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.40	22.43	22.43	0.175		21.03	0.127	
	2442	22.53	22.52	22.53	0.179		21.13	0.130	
	2457	22.52	22.41	22.52	0.179		21.12	0.129	
	2462	21.61	21.55	21.61	0.145		20.21	0.105	
	2467	20.72	20.65	20.72	0.118		19.32	0.086	
	2472	15.64	15.56	15.64	0.037		14.24	0.027	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11b	2412	21.80	21.93	21.93	0.156
	2417	22.53	22.58	22.58	0.181
	2442	22.59	22.54	22.59	0.182
	2457	22.50	22.55	22.55	0.180
	2462	21.56	21.71	21.71	0.148
	2467	20.80	20.66	20.80	0.120
	2472	15.62	15.70	15.70	0.037

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	-1.40	20.38	0.109	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.49	22.46	22.49	0.177		21.09	0.129	
	2442	23.71	23.81	23.81	0.240		22.41	0.174	
	2457	22.77	22.64	22.77	0.189		21.37	0.137	
	2462	22.14	22.05	22.14	0.164		20.74	0.119	
	2467	19.81	19.79	19.81	0.096		18.41	0.069	
	2472	12.92	12.29	12.92	0.020		11.52	0.014	

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	22.44	22.52	0.179
	2442	23.68	23.84	23.84	0.242
	2457	22.75	22.79	22.79	0.190
	2462	22.22	22.05	22.22	0.167
	2467	19.82	19.91	19.91	0.098
	2472	13.02	12.31	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)	
802.11n-HT20	2412	19.04	19.25	22.16	0.164	-1.40	20.76	0.119	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.21	20.11	23.17	0.207		21.77	0.150	
	2442	22.01	21.96	25.00	0.316		23.60	0.229	
	2457	20.38	20.34	23.37	0.217		21.97	0.157	
	2462	19.65	19.51	22.59	0.182		21.19	0.132	
	2467	17.11	17.01	20.07	0.102		18.67	0.074	
	2472	10.01	9.81	12.92	0.020		11.52	0.014	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT20	2412	19.06	19.20	22.14	0.164
	2417	20.23	20.07	23.16	0.207
	2442	22.13	21.97	25.06	0.321
	2457	20.47	20.40	23.45	0.221
	2462	19.66	19.64	22.66	0.185
	2467	17.09	17.17	20.14	0.103
	2472	10.11	9.88	13.01	0.020

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

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Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	19.32	19.22	22.28	0.169	-1.40	20.88	0.122	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.22	18.17	21.21	0.132		19.81	0.096	
	2442	19.96	19.82	22.90	0.195		21.50	0.141	
	2447	19.98	19.93	22.97	0.198		21.57	0.144	
	2452	18.69	18.64	21.68	0.147		20.28	0.107	
	2457	15.36	15.14	18.26	0.067		16.86	0.049	
	2462	12.02	11.02	14.56	0.029		13.16	0.021	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT40	2422	19.32	19.19	22.27	0.169
	2427	18.25	18.32	21.30	0.135
	2442	19.92	19.82	22.88	0.194
	2447	20.08	20.08	23.09	0.204
	2452	18.65	18.75	21.71	0.148
	2457	15.52	15.29	18.42	0.070
	2462	12.02	11.01	14.55	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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Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	18.98	19.22	22.11	0.163	-1.40	20.71	0.118	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	20.23	20.17	23.21	0.209		21.81	0.152	
	2442	21.93	21.95	24.95	0.313		23.55	0.226	
	2457	20.40	20.21	23.32	0.215		21.92	0.156	
	2462	19.63	19.53	22.59	0.182		21.19	0.132	
	2467	16.98	17.04	20.02	0.100		18.62	0.073	
	2472	10.21	9.91	13.07	0.020		11.67	0.015	

SPOT CHECK

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11ax-HE20	2412	18.99	19.32	22.17	0.165
	2417	20.21	20.29	23.26	0.212
	2442	22.09	21.91	25.01	0.317
	2457	20.45	20.19	23.33	0.215
	2462	19.66	19.50	22.59	0.182
	2467	16.94	17.06	20.01	0.100
	2472	10.26	10.05	13.17	0.021

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	-1.40	20.72	0.118	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	18.02	17.94	20.99	0.126		19.59	0.091	
	2442	19.84	19.79	22.83	0.192		21.43	0.139	
	2447	19.81	19.73	22.78	0.190		21.38	0.137	
	2452	18.35	18.41	21.39	0.138		19.99	0.100	
	2457	15.11	14.94	18.04	0.064		16.64	0.046	
	2462	11.93	10.60	14.33	0.027		12.93	0.020	

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	19.26	22.20	0.166
	2427	18.07	18.03	21.06	0.128
	2442	19.99	19.75	22.88	0.194
	2447	19.82	19.83	22.84	0.192
	2452	18.47	18.37	21.43	0.139
	2457	15.21	14.91	18.07	0.064
	2462	11.88	10.69	14.34	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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Mode	RU Configuration	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	23.52	23.65	26.60	0.457	-1.40	25.20	0.331	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		23.55	23.62	26.60	0.457		25.20	0.331	
	106/53		23.42	23.67	26.56	0.453		25.16	0.328	
	26/8	2472	10.74	10.07	13.43	0.022		12.03	0.016	
	52/40		10.93	10.11	13.55	0.023		12.15	0.016	
	106/54		10.97	10.24	13.63	0.023		12.23	0.017	

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	23.15	23.29	26.23	0.420
	52/37		23.82	23.44	26.64	0.461
	106/53		22.86	23.39	26.14	0.411
	26/8	2472	10.75	9.82	13.32	0.021
	52/40		10.94	9.65	13.35	0.022
	106/54		10.97	10.22	13.62	0.023

Note: 1. 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-HE40	242/61	2422	23.44	13.65	23.87	0.244	-1.40	22.47	0.177	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	14.18	14.08	17.14	0.052		15.74	0.037	

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	13.77	13.71	16.75	0.047
	242/62	2467	14.09	14.22	17.17	0.052

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

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		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
BLE (1M)	2402	4.85	---	4.85	0.0031	-1.40	3.45	0.0022	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.37	---	5.37	0.0034		3.97	0.0025	
	2480	4.66	---	4.66	0.0029		3.26	0.0021	
BLE (2M)	2402	4.84	---	4.84	0.0030		3.44	0.0022	
	2440	5.37	---	5.37	0.0034		3.97	0.0025	
	2480	4.66	---	4.66	0.0029		3.26	0.0021	
BLE (PHY Coded S2)	2402	4.82	---	4.82	0.0030		3.42	0.0022	
	2440	5.36	---	5.36	0.0034		3.96	0.0025	
	2480	4.65	---	4.65	0.0029		3.25	0.0021	
BLE (PHY Coded S8)	2402	4.82	---	4.82	0.0030		3.42	0.0022	
	2440	5.36	---	5.36	0.0034		3.96	0.0025	
	2480	4.65	---	4.65	0.0029		3.25	0.0021	

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	4.82	---	4.82	0.0030
	2440	5.31	---	5.31	0.0034
	2480	4.63	---	4.63	0.0029

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

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A.4.2 Average Output Power (Reporting only)

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11b	2412	19.16	19.35	0	19.35	0.086	-1.40	17.95	0.062	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	19.91	19.96		19.96	0.099		18.56	0.072	
	2442	20.04	20.02		20.04	0.101		18.64	0.073	
	2457	20.02	19.95		20.02	0.100		18.62	0.073	
	2462	19.08	18.91		19.08	0.081		17.68	0.059	
	2467	18.18	18.08		18.18	0.066		16.78	0.048	
	2472	13.08	13.05		13.08	0.020		11.68	0.015	

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	19.15	19.33	0	19.33	0.086
	2417	19.90	19.99		19.99	0.100
	2442	20.05	19.88		20.05	0.101
	2457	20.01	19.98		20.01	0.100
	2462	18.91	18.78		18.91	0.078
	2467	18.20	17.96		18.20	0.066
	2472	13.02	13.02		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)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11g	2412	16.72	16.91	0	16.91	0.049	-1.40	15.51	0.036	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	17.94	17.90		17.94	0.062		16.54	0.045	
	2442	19.63	19.74		19.74	0.094		18.34	0.068	
	2457	18.21	18.05		18.21	0.066		16.81	0.048	
	2462	17.47	17.37		17.47	0.056		16.07	0.040	
	2467	14.79	14.78		14.79	0.030		13.39	0.022	
	2472	1.52	1.28		1.52	0.001		0.12	0.001	

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	16.63	16.87	0	16.87	0.049
	2417	17.77	17.87		17.87	0.061
	2442	19.58	19.73		19.73	0.094
	2457	18.16	18.00		18.16	0.065
	2462	17.31	17.29		17.31	0.054
	2467	14.83	14.74		14.83	0.030
	2472	1.37	1.15		1.37	0.001

Note: 1. 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-HT20	2412	14.01	14.23	0	17.13	0.052	-1.40	15.73	0.037	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.45	15.38		18.43	0.070		17.03	0.050	
	2442	17.15	17.13		20.15	0.104		18.75	0.075	
	2457	15.63	15.55		18.60	0.072		17.20	0.052	
	2462	14.83	14.63		17.74	0.059		16.34	0.043	
	2467	11.95	11.84		14.91	0.031		13.51	0.022	
	2472	-0.04	-0.86		2.58	0.002		1.18	0.001	

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	13.96	14.08	0	17.03	0.050
	2417	15.35	15.22		18.30	0.068
	2442	16.99	17.02		20.02	0.100
	2457	15.65	15.59		18.63	0.073
	2462	14.75	14.61		17.69	0.059
	2467	11.98	11.8		14.90	0.031
	2472	-0.2	-0.98		2.44	0.002

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

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Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	13.83	13.81	0	16.83	0.048	-1.40	15.43	0.035	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.80	12.73		15.78	0.038		14.38	0.027	
	2442	14.65	14.59		17.63	0.058		16.23	0.042	
	2447	14.78	14.73		17.77	0.060		16.37	0.043	
	2452	13.14	13.22		16.19	0.042		14.79	0.030	
	2457	9.53	9.42		12.49	0.018		11.09	0.013	
	2462	1.41	0.54		4.01	0.003		2.61	0.002	

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	13.83	13.83	0	16.84	0.048
	2427	12.82	12.62		15.73	0.037
	2442	14.57	14.63		17.61	0.058
	2447	14.83	14.58		17.72	0.059
	2452	13.14	13.17		16.17	0.041
	2457	9.44	9.26		12.36	0.017
	2462	1.48	0.61		4.08	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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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	-1.40	15.63	0.037	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	15.28	15.22		18.26	0.067		16.86	0.049	
	2442	17.03	17.05		20.05	0.101		18.65	0.073	
	2457	15.56	15.39		18.49	0.071		17.09	0.051	
	2462	14.68	14.58		17.64	0.058		16.24	0.042	
	2467	11.78	11.79		14.80	0.030		13.40	0.022	
	2472	-0.11	-0.95		2.50	0.002		1.10	0.001	

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	13.82	14.02	0	16.93	0.049
	2417	15.31	15.14		18.24	0.067
	2442	16.98	17.05		20.03	0.101
	2457	15.49	15.27		18.39	0.069
	2462	14.51	14.51		17.52	0.056
	2467	11.82	11.73		14.79	0.030
	2472	-0.19	-0.98		2.44	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	-1.40	15.29	0.034	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2427	12.61	12.49		15.56	0.036		14.16	0.026	
	2442	14.47	14.42		17.46	0.056		16.06	0.040	
	2447	14.58	14.55		17.58	0.057		16.18	0.041	
	2452	12.96	13.00		15.99	0.040		14.59	0.029	
	2457	9.28	9.24		12.27	0.017		10.87	0.012	
	2462	1.06	0.14		3.63	0.002		2.23	0.002	

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	13.66	13.66	0	16.67	0.046
	2427	12.57	12.5		15.55	0.036
	2442	14.51	14.39		17.46	0.056
	2447	14.48	14.5		17.50	0.056
	2452	12.86	12.92		15.90	0.039
	2457	9.11	9.11		12.12	0.016
	2462	0.95	0.07		3.54	0.002

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	14.13	14.45	0	17.30	0.054	-1.40	15.90	0.039	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		14.26	14.43		17.36	0.054		15.96	0.039	
	106/53		14.28	14.48		17.39	0.055		15.99	0.040	
	26/8	2472	-1.36	-2.57		1.09	0.001		-0.31	0.001	
	52/40		-1.13	-2.29		1.34	0.001		-0.06	0.001	
	106/54		-1.02	-2.05		1.51	0.001		0.11	0.001	

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	13.96	14.65	0	17.33	0.054
	52/37		14.09	14.08		17.10	0.051
	106/53		14.1	14.62		17.38	0.055
	26/8	2472	-0.95	-2.22		1.47	0.001
	52/40		-0.97	-2.41		1.38	0.001
	106/54		-0.79	-2.33		1.52	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	-1.40	15.58	0.036	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	1.27	1.17		4.23	0.003		2.83	0.002	

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	13.28	14.17	0	16.76	0.047
	242/62	2467	1.49	1.11		4.31	0.003

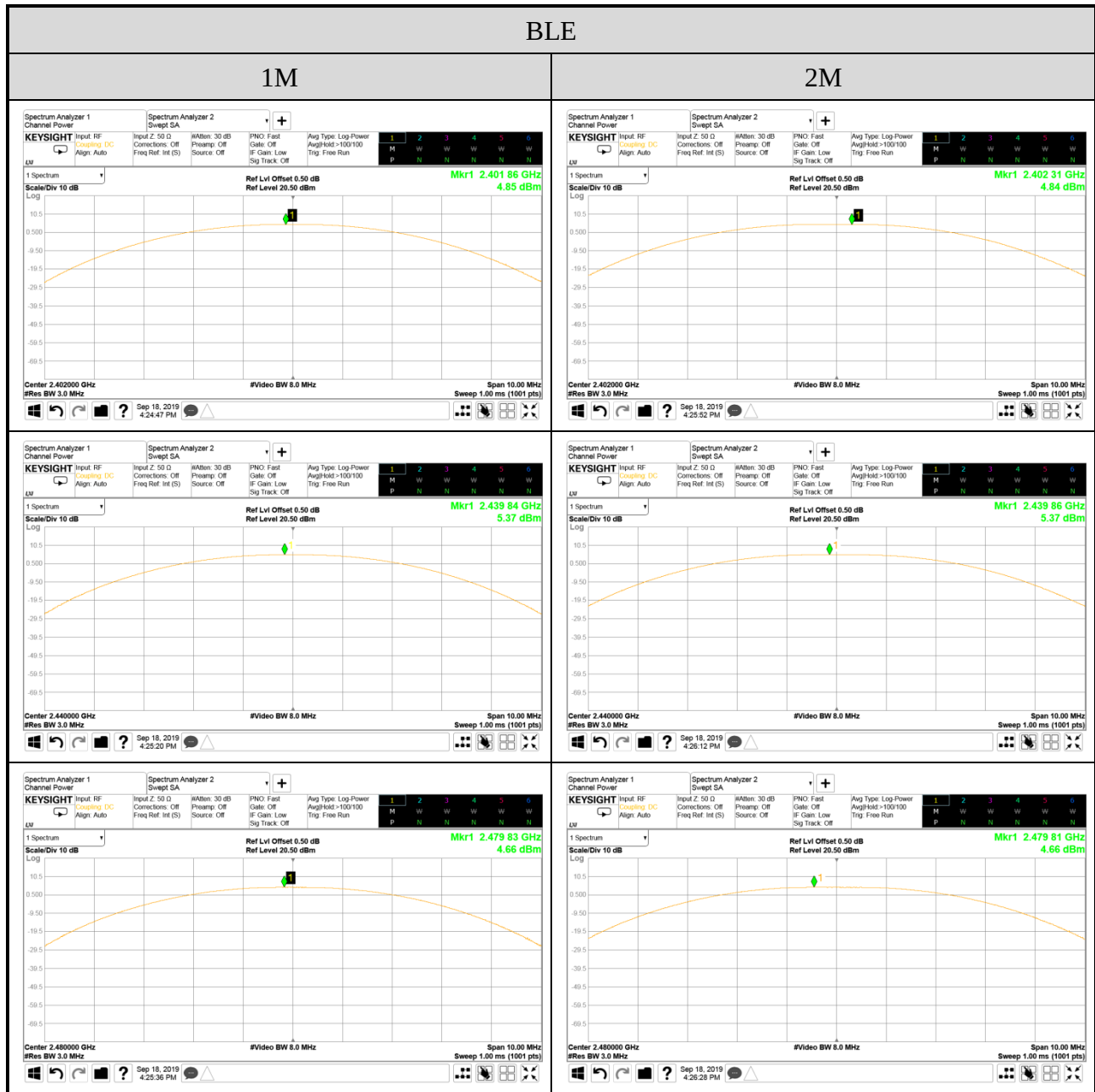
Note: 1. The results have been included cable loss.

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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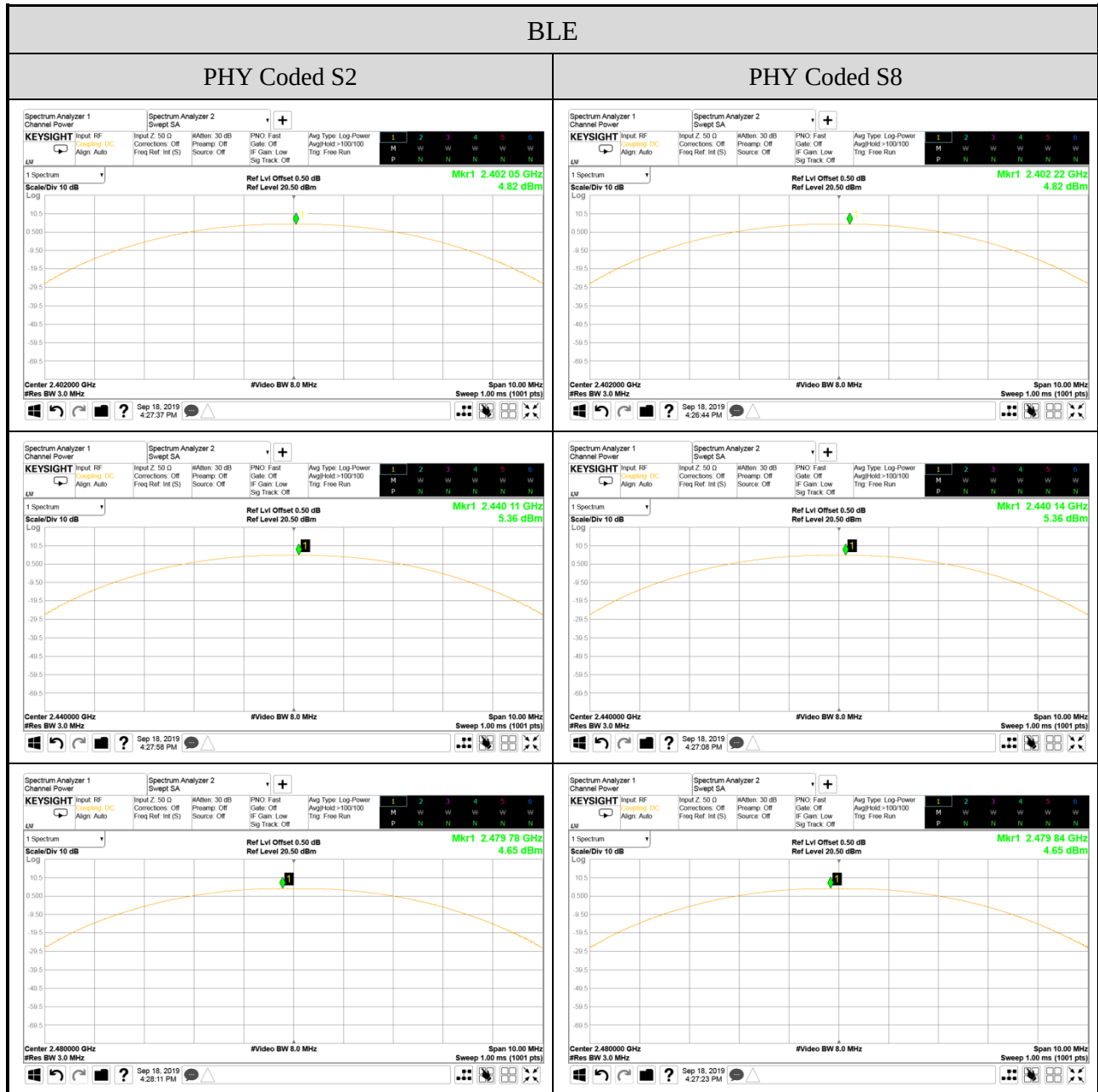
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A.4.3 Measurement Plots



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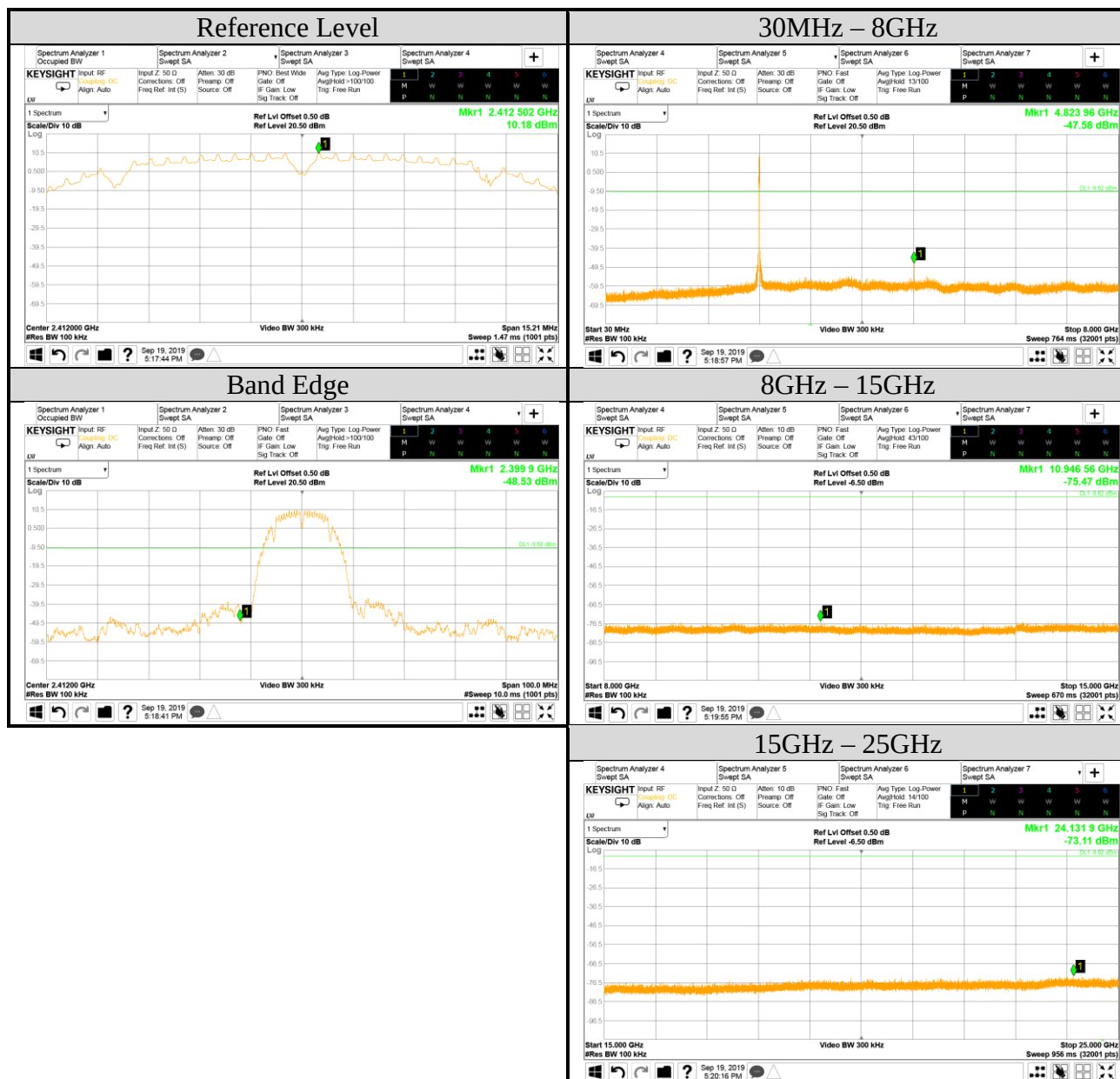


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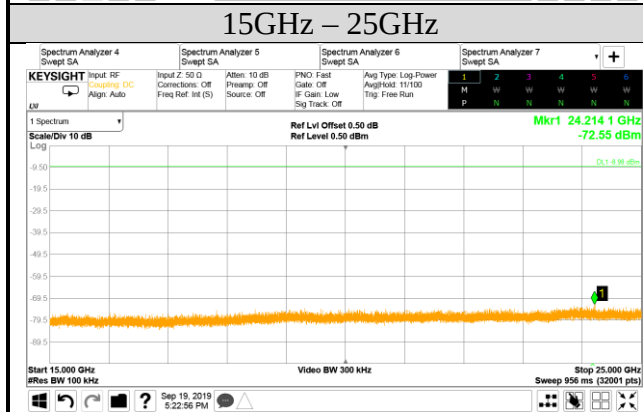
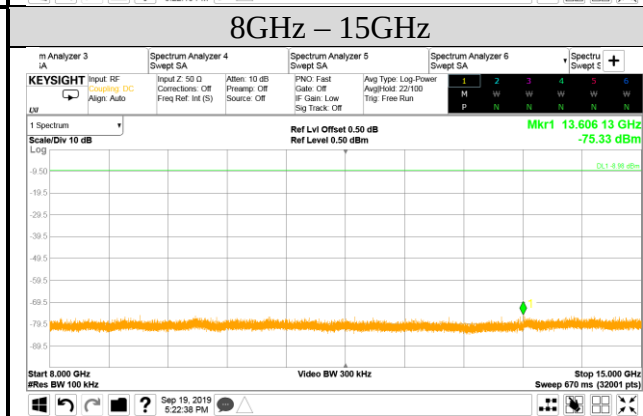
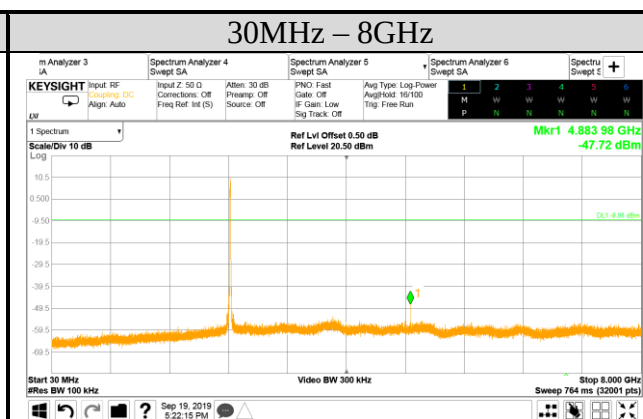
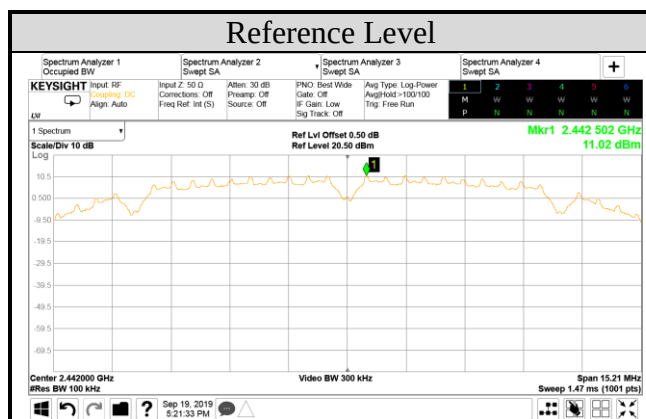
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A.5 EMISSION LIMITATIONS

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		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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



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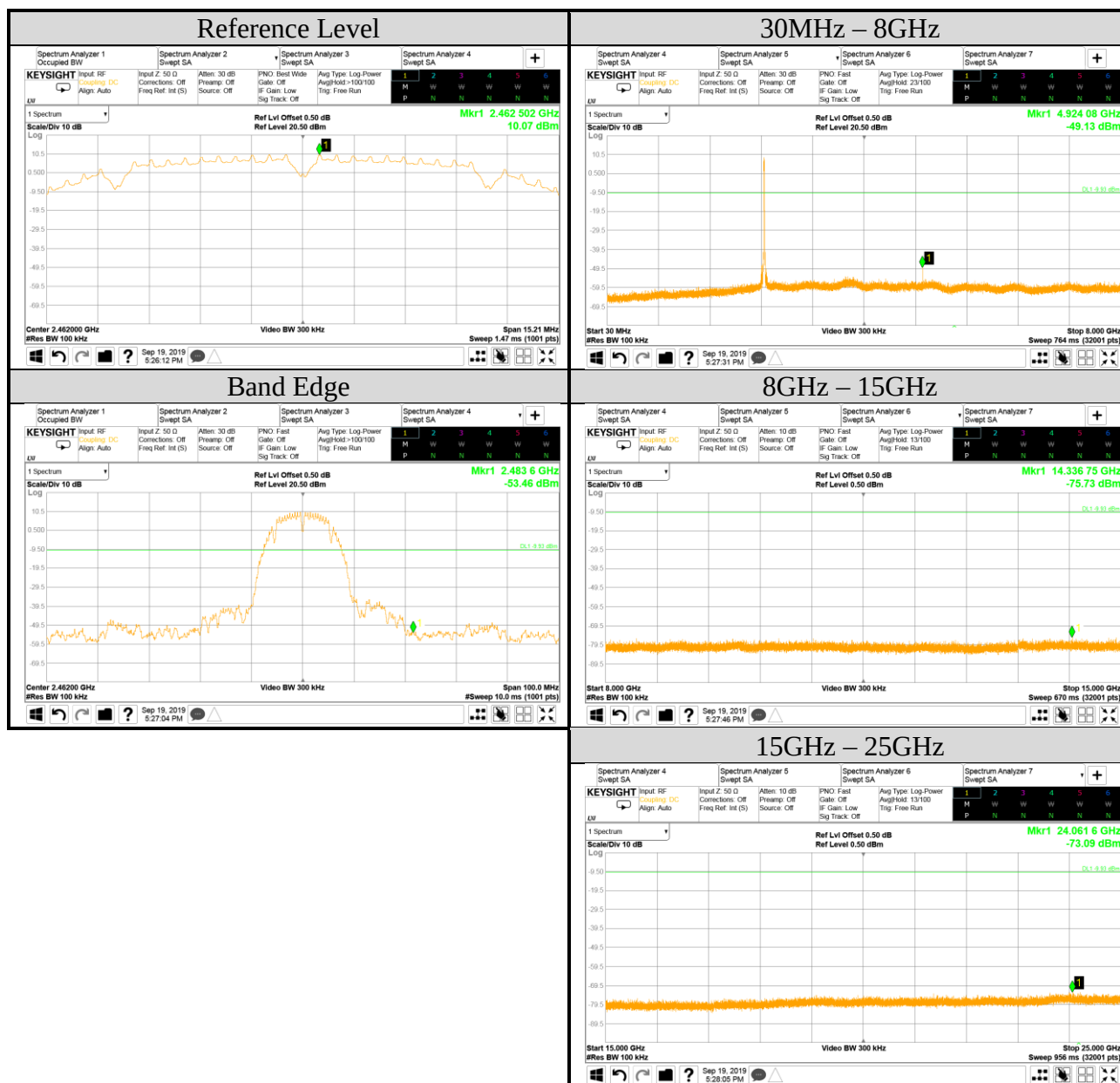
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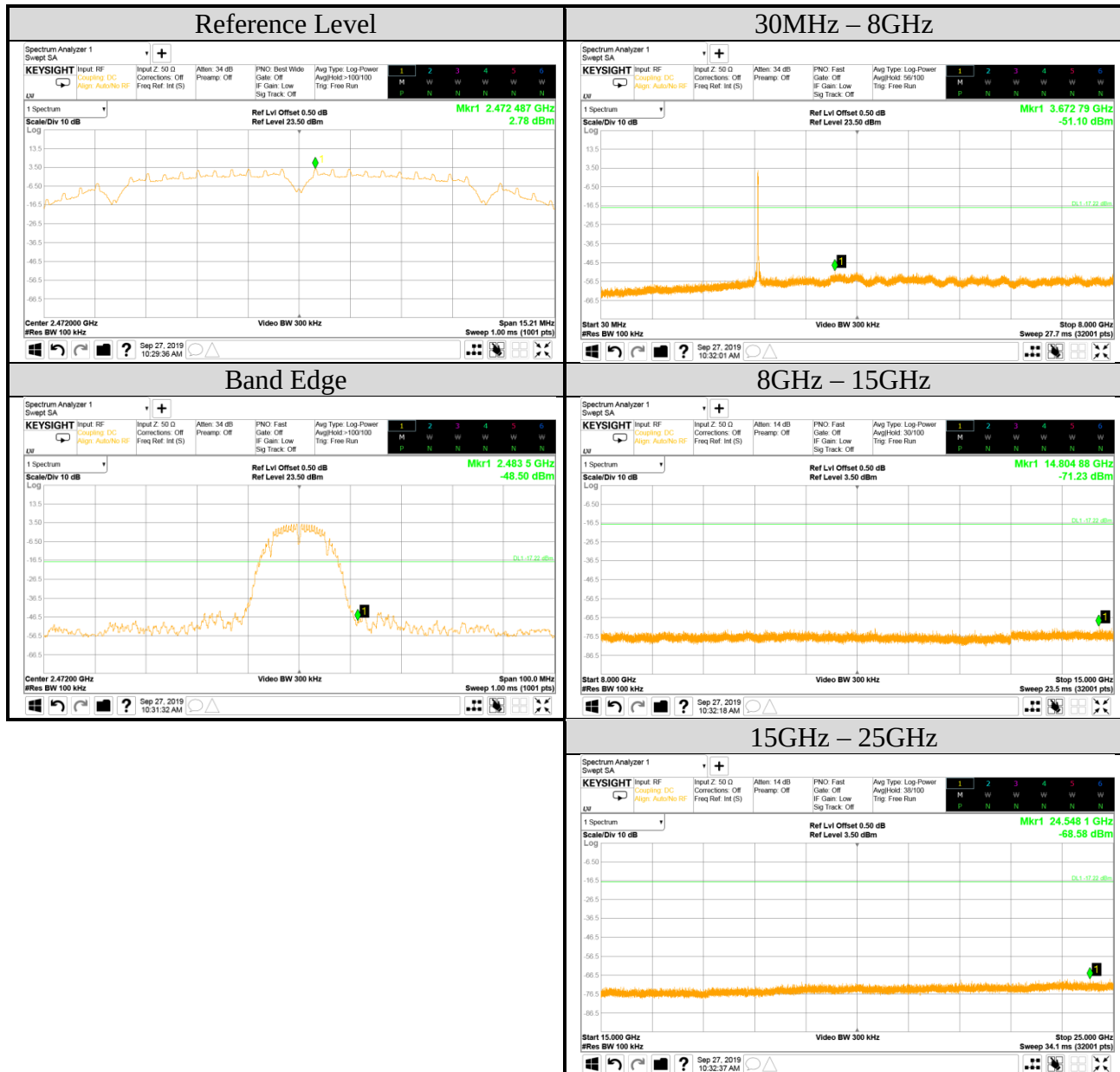
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Tested By	Martin Chen
Frequency	TX 2462MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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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		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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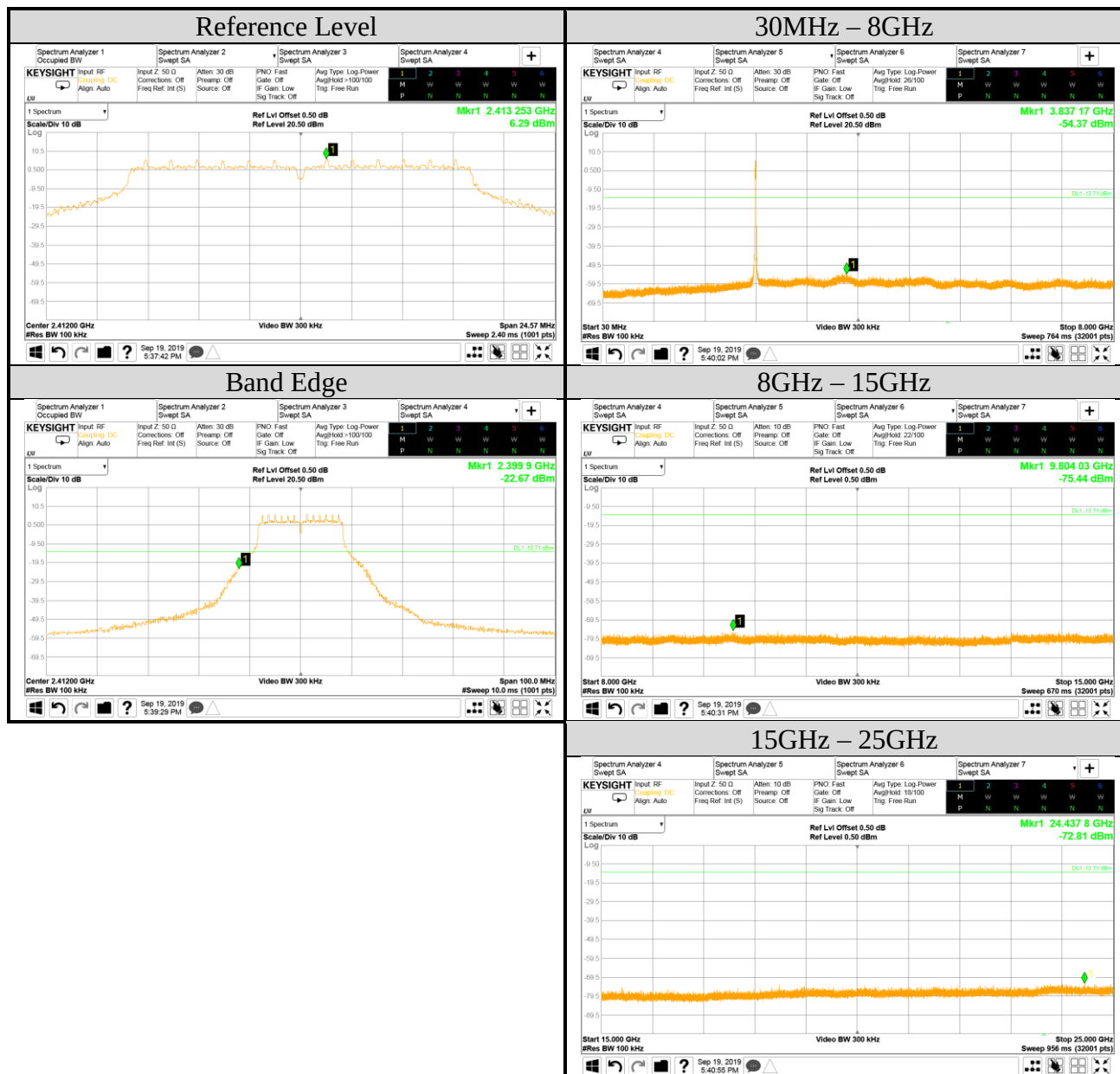
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Test Date	2019/09/19	Temp./Hum.	25°C/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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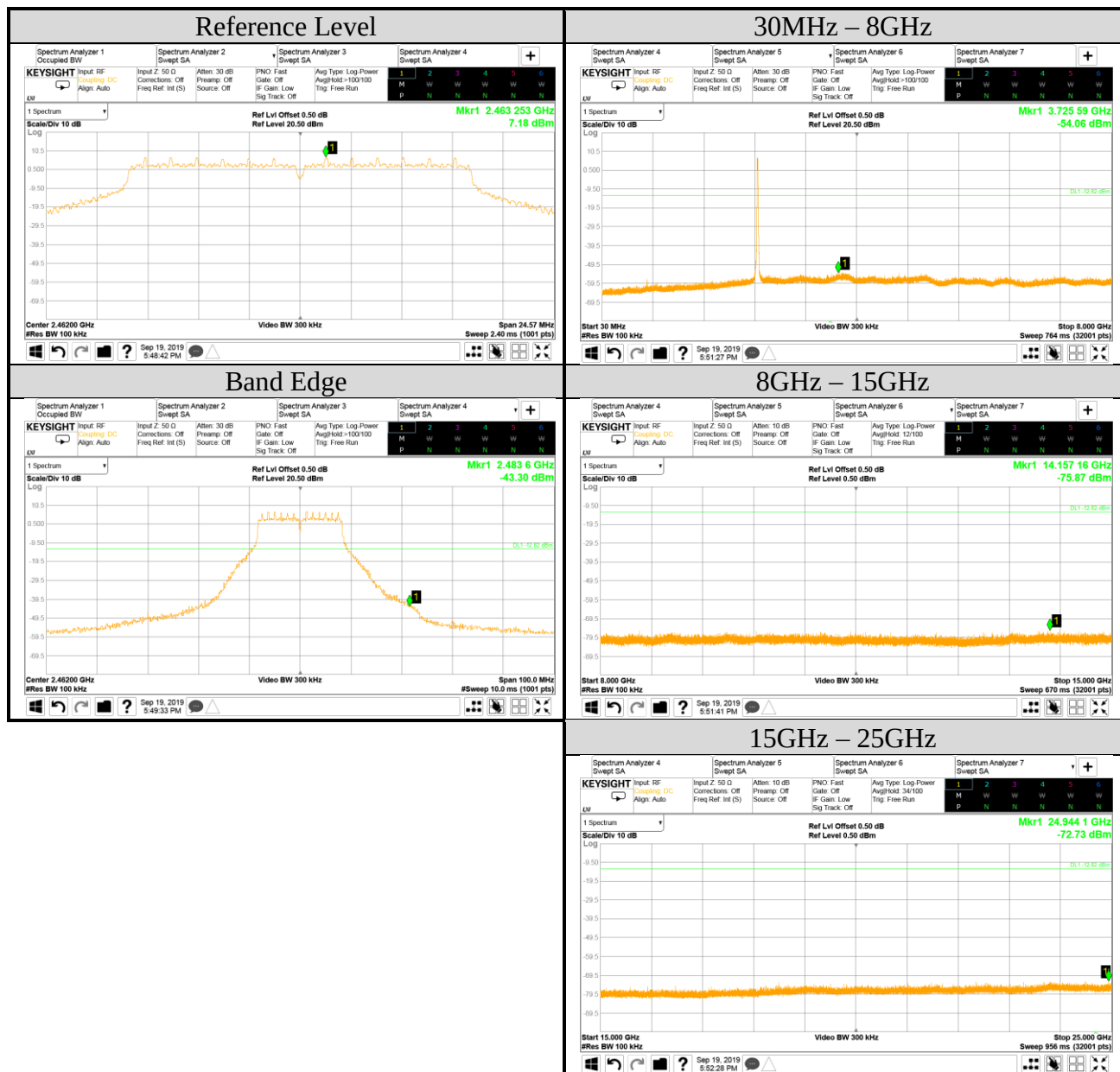
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Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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



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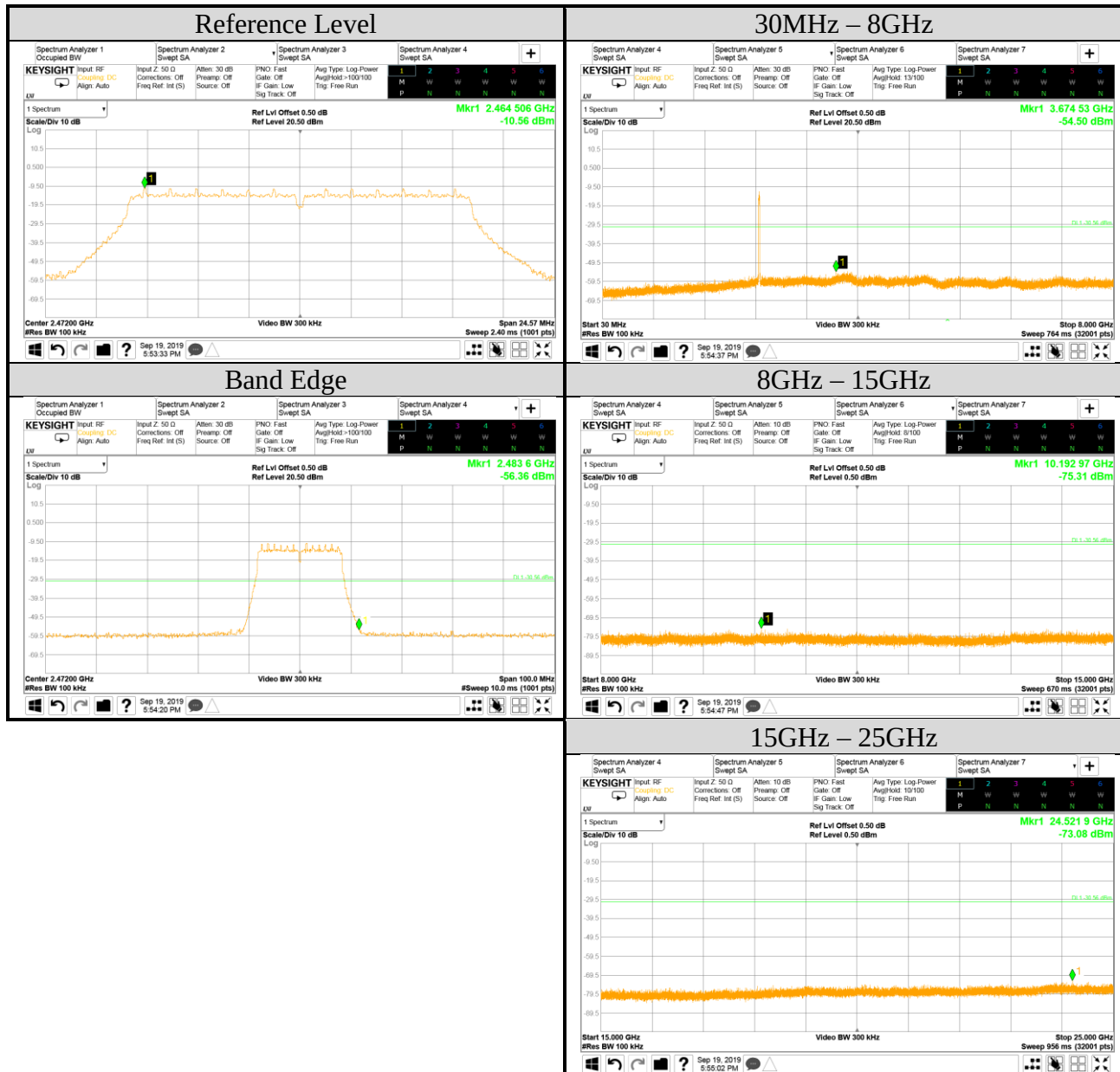
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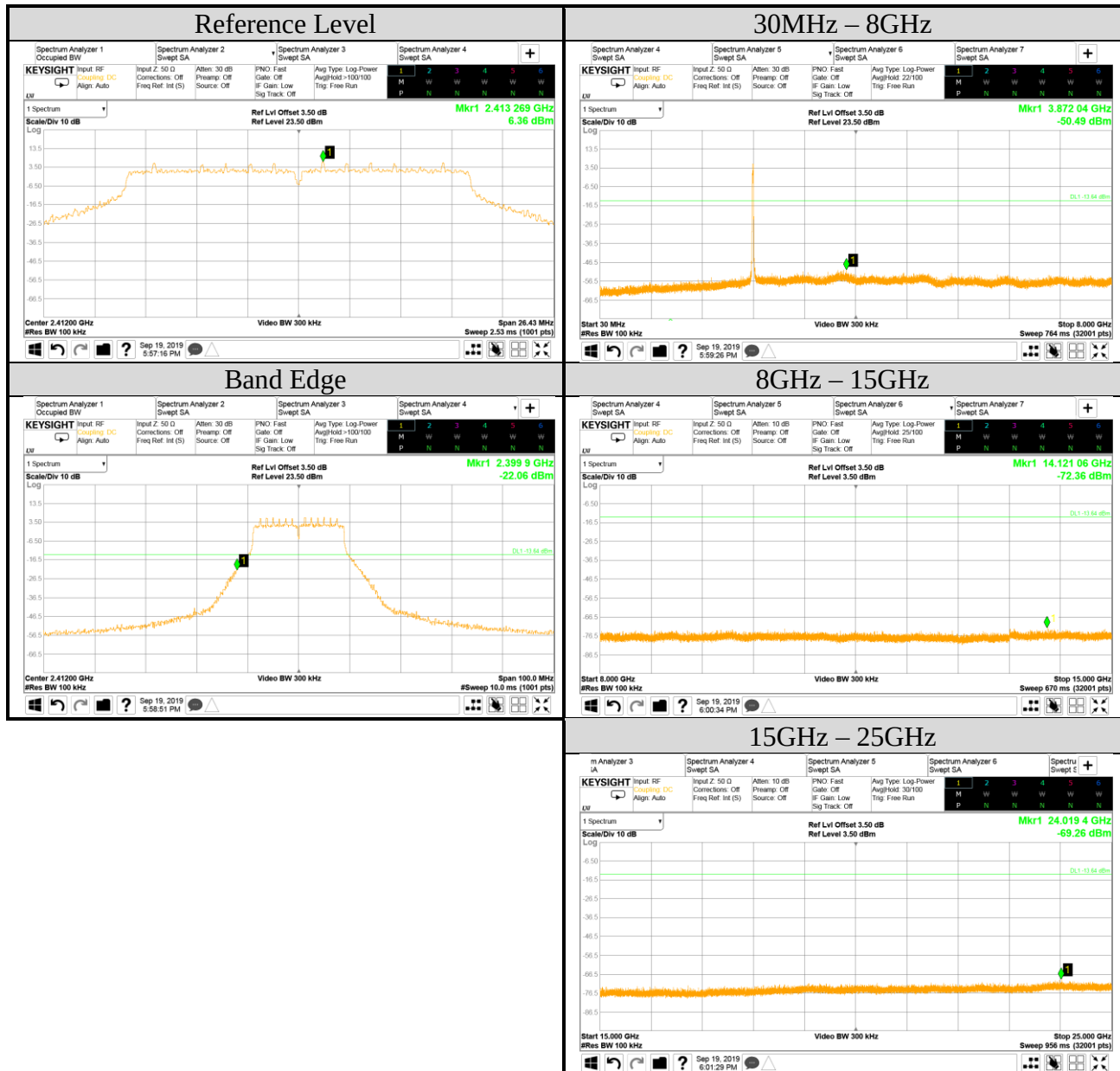
Test Date	2019/09/19	Temp./Hum.	25℃/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Tested By	Martin Chen
Frequency	TX 2472MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



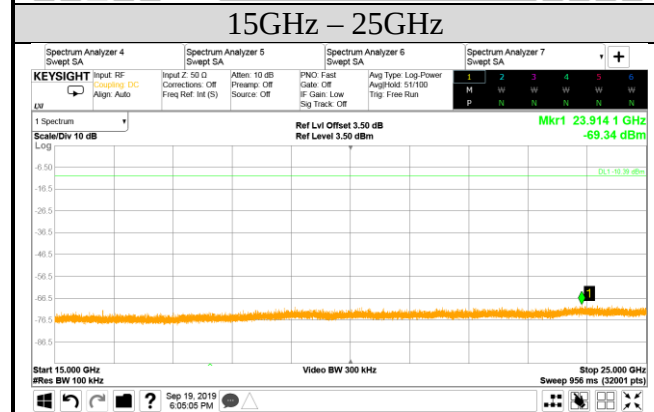
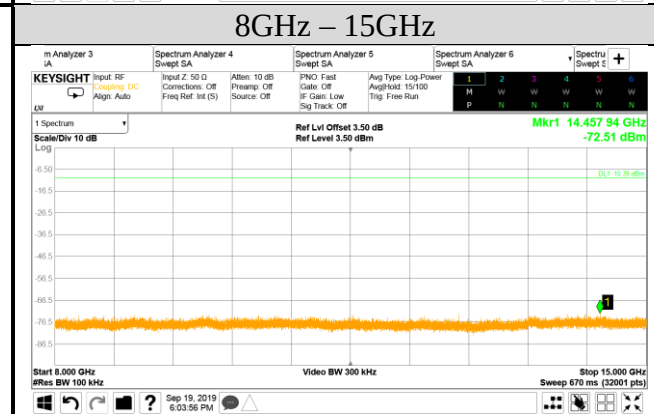
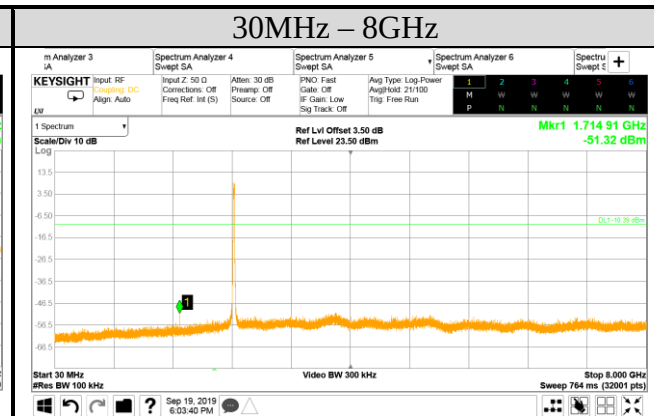
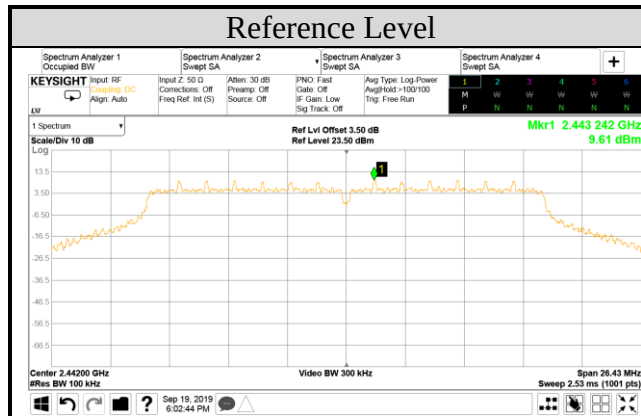
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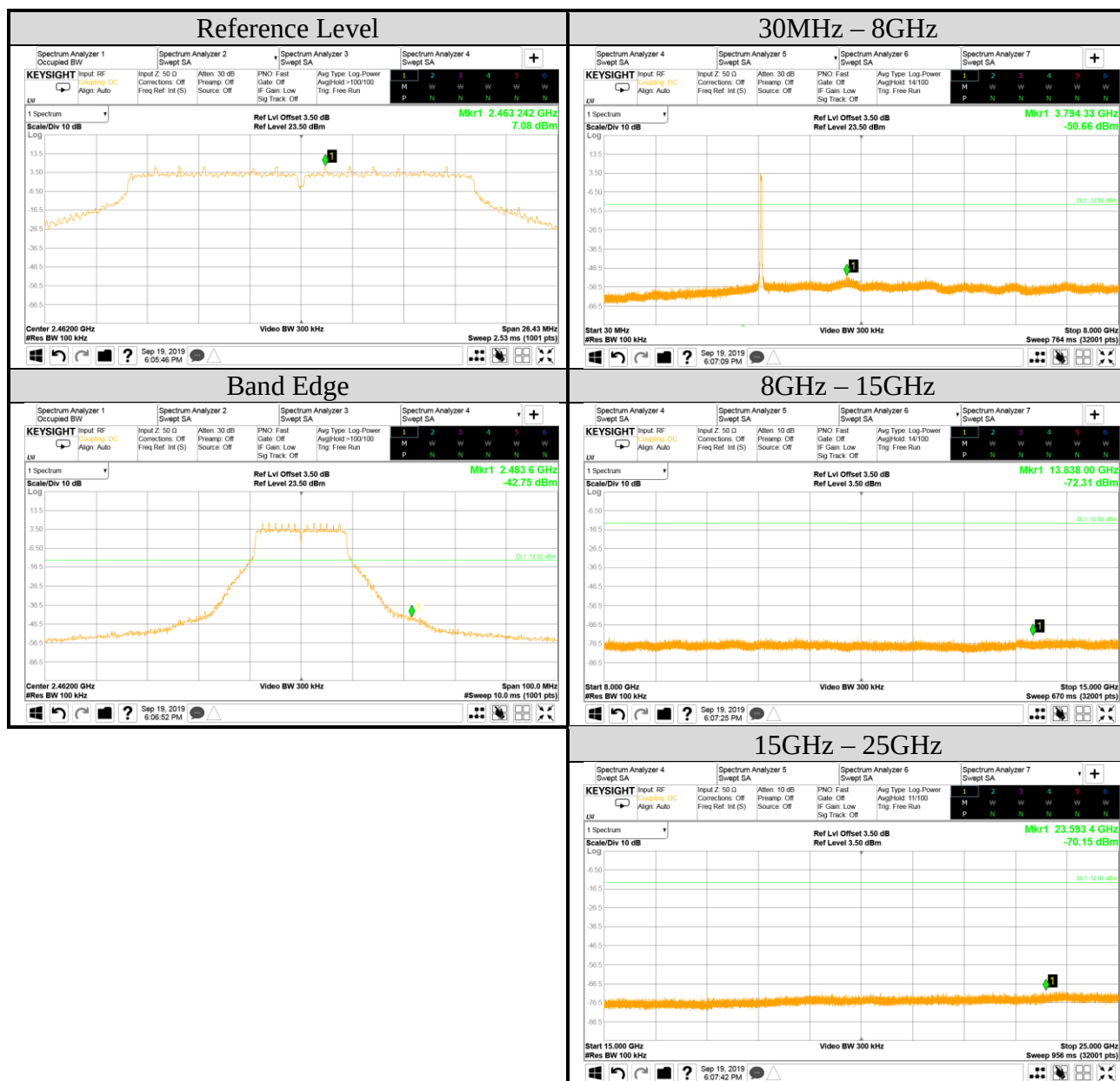
Test Date	2019/09/19	Temp./Hum.	25°C/54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2412MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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



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



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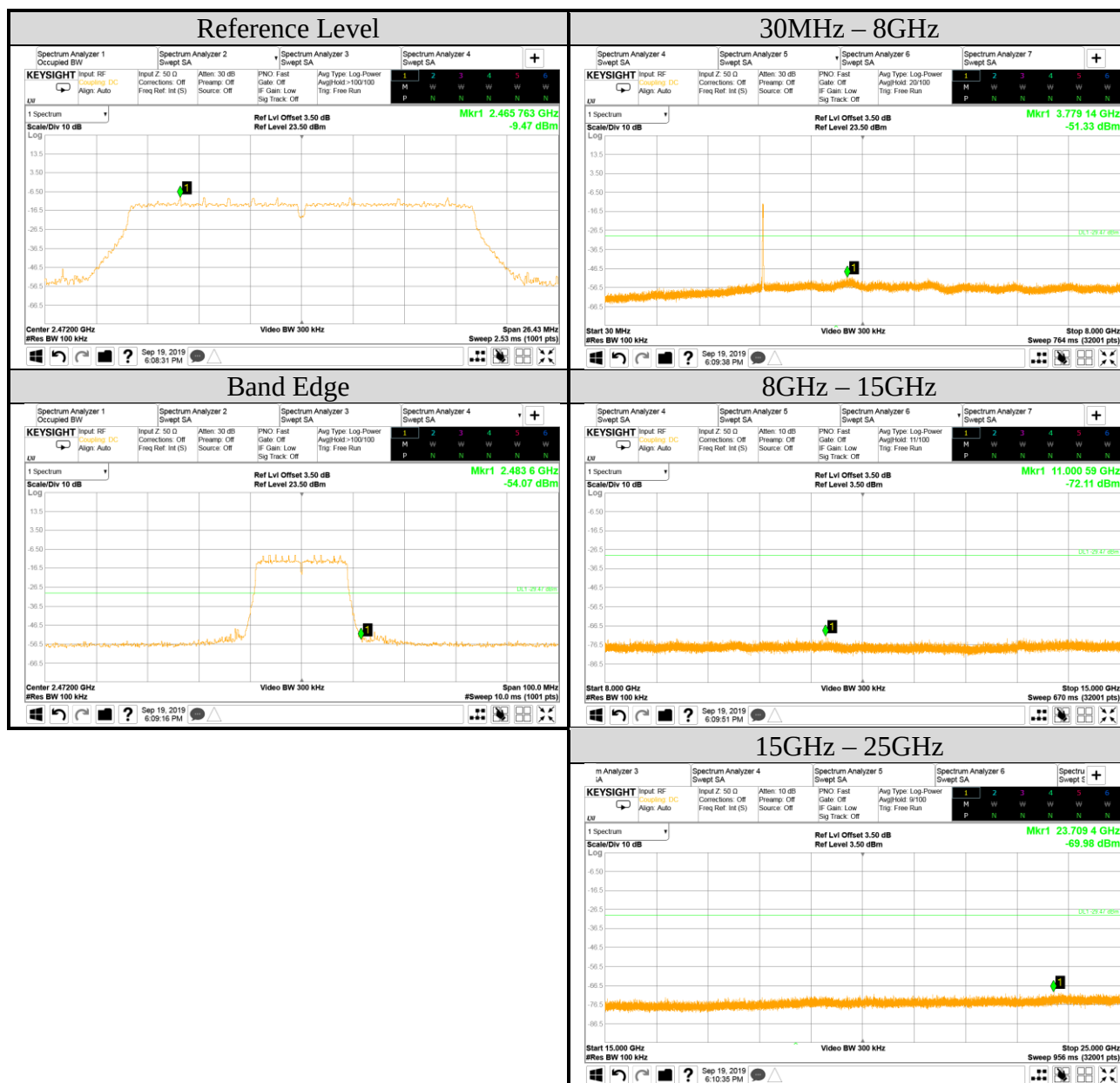
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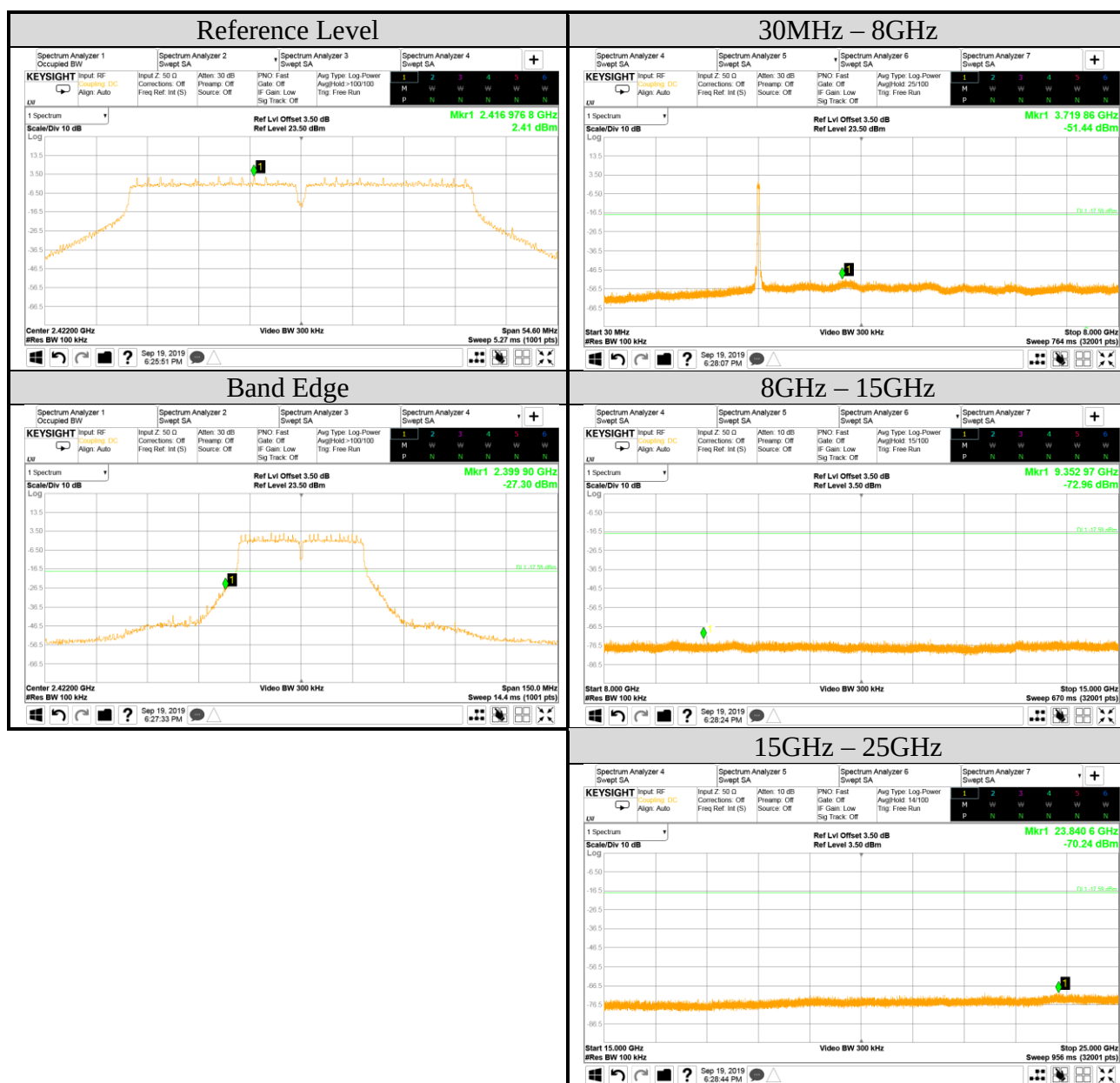
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Test Date	2019/09/19	Temp./Hum.	25°C /54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Tested By	Martin Chen
Frequency	TX 2472MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



Test Date	2019/09/19	Temp./Hum.	25°C /54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Tested By	Martin Chen
Frequency	TX 2422MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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Test Date	2019/09/19	Temp./Hum.	25°C /54%
Cable Loss	0.50dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Tested By	Martin Chen
Frequency	TX 2442MHz		
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3

