

A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2022/01/04~2021/12/28	Temp./Hum.	14~20°C/63~65%
Cable Loss	WLAN: 0.80dB, BLE: 1.0dB	Tested By	Brian Hsieh
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	23.11	23.08	23.11	0.205	3.6	26.71	0.469	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	23.30	23.22	23.30	0.214		26.90	0.490	
	2462	23.09	23.32	23.32	0.215		26.92	0.492	
	2467	21.86	21.95	21.95	0.157		25.55	0.359	
	2472	19.26	19.11	19.26	0.084		22.86	0.193	

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	21.69	21.02	21.69	0.148	3.6	25.29	0.338	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	23.42	23.23	23.42	0.220		27.02	0.504	
	2442	24.05	23.93	24.05	0.254		27.65	0.582	
	2457	22.96	23.08	23.08	0.203		26.68	0.466	
	2462	21.04	22.24	22.24	0.167		25.84	0.384	
	2467	17.69	17.76	17.76	0.060		21.36	0.137	
	2472	16.68	16.13	16.68	0.047		20.28	0.107	

Note: The results have been included cable loss.

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	20.37	20.42	23.41	0.219	3.6	27.01	0.502	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	21.75	21.76	24.77	0.300		28.37	0.687	
	2442	22.73	22.95	25.85	0.385		29.45	0.881	
	2457	21.43	21.5	24.48	0.281		28.08	0.643	
	2462	19.58	19.79	22.70	0.186		26.30	0.427	
	2467	15.61	16.03	18.84	0.077		22.44	0.175	
	2472	13.29	12.08	15.74	0.037		19.34	0.086	

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	21.04	21.21	24.14	0.259	3.6	27.74	0.594	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.85	20.96	23.92	0.247		27.52	0.565	
	2452	20.52	20.86	23.70	0.234		27.30	0.537	
	2457	15.99	16.111	19.06	0.081		22.66	0.185	
	2462	13.94	14.02	16.99	0.050		20.59	0.115	

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	20.91	20.47	23.71	0.235	3.6	27.31	0.538	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	22.14	22.05	25.11	0.324		28.71	0.743	
	2442	23.09	23.01	26.06	0.404		29.66	0.925	
	2457	21.48	21.93	24.72	0.296		28.32	0.679	
	2462	19.69	19.97	22.84	0.192		26.44	0.441	
	2467	15.97	16.17	19.08	0.081		22.68	0.185	
	2472	13.53	13.4	16.48	0.044		20.08	0.102	

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	21.46	21.42	24.45	0.279	3.6	28.05	0.638	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	21.00	21.21	24.12	0.258		27.72	0.592	
	2452	20.69	21.05	23.88	0.244		27.48	0.560	
	2457	15.93	16.02	18.99	0.079		22.59	0.182	
	2462	13.98	14.16	17.08	0.051		20.68	0.117	

Note: The results have been included cable loss.

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	22.04	21.85	24.96	0.313	3.6	28.56	0.718	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		22.27	22.08	25.19	0.330		28.79	0.757	
	106/53		22.24	22.08	25.17	0.329		28.77	0.753	
	26/8	2472	19.78	19.57	22.68	0.185		26.28	0.425	
	52/40		19.56	19.37	22.48	0.177		26.08	0.406	
	106/54		19.54	19.36	22.46	0.176		26.06	0.404	

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	19.96	19.83	22.91	0.195	3.6	26.51	0.448	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	19.07	18.94	22.02	0.159		25.62	0.365	

Note: The results have been included cable loss.

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max. Peak Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
BLE (1M)	2402	5.66	---	5.66	0.0037	3.6	9.26	0.0084	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2440	5.67	---	5.67	0.0037		9.27	0.0085	
	2480	5.56	---	5.56	0.0036		9.16	0.0082	
BLE (2M)	2402	5.76	---	5.76	0.0038		9.36	0.0086	
	2440	5.78	---	5.78	0.0038		9.38	0.0087	
	2480	5.67	---	5.67	0.0037		9.27	0.0085	
BLE (PHY Coded S2)	2402	5.76	---	5.76	0.0038		9.36	0.0086	
	2440	5.77	---	5.77	0.0038		9.37	0.0086	
	2480	5.67	---	5.67	0.0037		9.27	0.0085	
BLE (PHY Coded S8)	2402	5.65	---	5.65	0.0037		9.25	0.0084	
	2440	5.65	---	5.65	0.0037		9.25	0.0084	
	2480	5.66	---	5.66	0.0037		9.26	0.0084	

Note: The results have been included cable loss.

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	19.97	19.73	0	19.97	0.099	3.6	23.57	0.228	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	20.02	20.10		20.10	0.102		23.70	0.234	
	2462	19.59	20.16		20.16	0.104		23.76	0.238	
	2467	17.83	18.12		18.12	0.065		21.72	0.149	
	2472	14.93	14.80		14.93	0.031		18.53	0.071	

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	16.42	16.00	0.143	16.42	0.044	3.6	20.02	0.100	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	18.45	18.22		18.45	0.070		22.05	0.160	
	2442	19.22	19.06		19.22	0.084		22.82	0.191	
	2457	17.89	18.19		18.19	0.066		21.79	0.151	
	2462	15.88	17.01		17.01	0.050		20.61	0.115	
	2467	12.60	12.75		12.75	0.019		16.35	0.043	
	2472	10.98	10.49		10.98	0.013		14.58	0.029	

Note: The results have been included cable loss.

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	15.54	15.44	0	18.50	0.071	3.6	22.10	0.162	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	16.77	16.80		19.80	0.095		23.40	0.219	
	2442	17.95	18.02		21.00	0.126		24.60	0.288	
	2457	16.30	16.42		19.37	0.086		22.97	0.198	
	2462	14.53	14.83		17.69	0.059		21.29	0.135	
	2467	10.64	10.77		13.72	0.024		17.32	0.054	
	2472	7.50	7.44		10.48	0.011		14.08	0.026	

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	14.94	15.00	0	17.98	0.063	3.6	21.58	0.144	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	14.45	14.57		17.52	0.056		21.12	0.129	
	2452	14.33	14.61		17.48	0.056		21.08	0.128	
	2457	9.62	9.85		12.75	0.019		16.35	0.043	
	2467	7.57	7.65		10.62	0.012		14.22	0.026	

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	15.71	15.55	0	18.64	0.073	3.6	22.24	0.167	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2417	16.95	16.84		19.91	0.098		23.51	0.224	
	2442	17.98	17.98		20.99	0.126		24.59	0.288	
	2457	16.43	16.77		19.61	0.091		23.21	0.209	
	2462	14.57	14.85		17.72	0.059		21.32	0.136	
	2467	10.60	10.84		13.73	0.024		17.33	0.054	
	2472	7.34	7.24		10.30	0.011		13.90	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-HE40	2422	14.70	14.67	0	17.70	0.059	3.6	21.30	0.135	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	2442	14.11	14.35		17.24	0.053		20.84	0.121	
	2452	14.08	14.31		17.21	0.053		20.81	0.121	
	2457	9.32	9.55		12.45	0.018		16.05	0.040	
	2467	7.08	7.23		10.17	0.010		13.77	0.024	

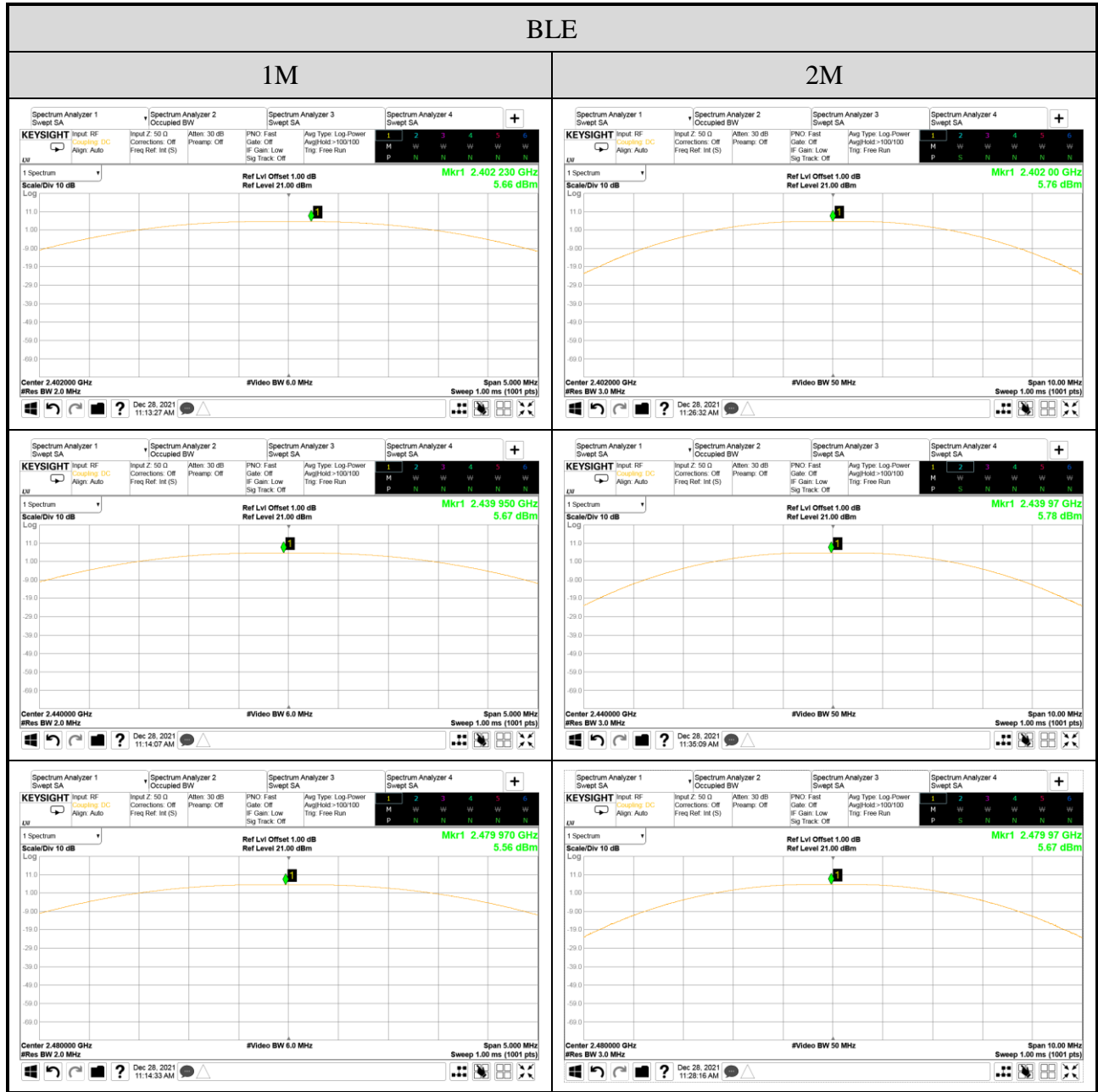
Note: The results have been included cable loss.

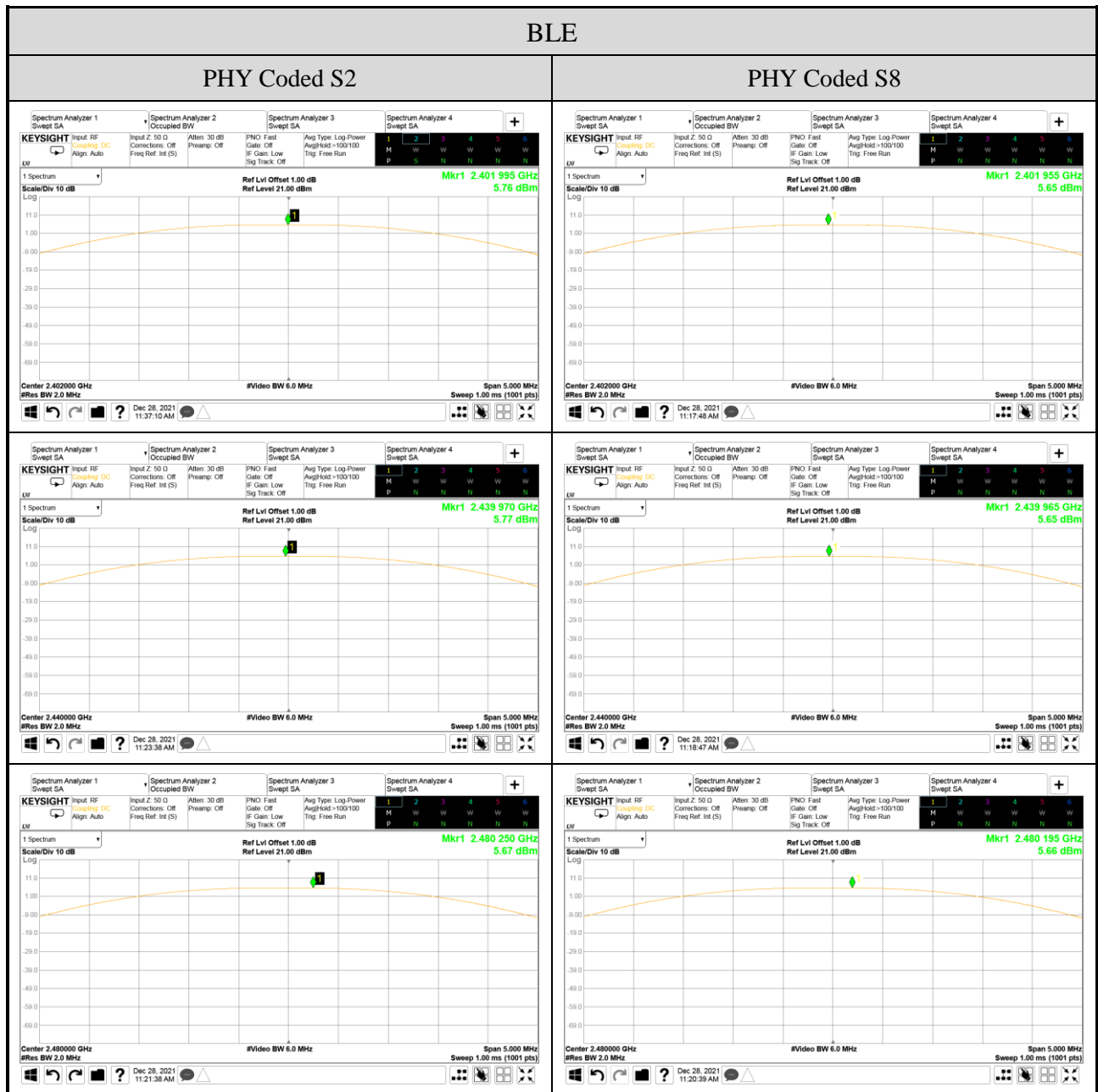
Mode	RU Config	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Total Average Output Power		Antenna Gain (dBi)	Average Output Power (E.I.R.P.)		Limit
			Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	26/0	2412	16.83	16.66	0	19.76	0.095	3.6	23.36	0.217	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	52/37		17.39	17.25		20.33	0.108		23.93	0.247	
	106/53		17.34	27.22		27.64	0.581		31.24	1.330	
	26/8	2472	6.065	5.845		8.967	0.008		12.57	0.018	
	52/40		6.53	6.3		9.427	0.009		13.03	0.020	
	106/54		6.62	6.33		9.488	0.009		13.09	0.020	

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	14.81	14.69	0	17.76	0.060	3.6	21.36	0.137	<30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P)
	242/62	2467	6.41	6.25		9.34	0.009		12.94	0.020	

Note: The results have been included cable loss.

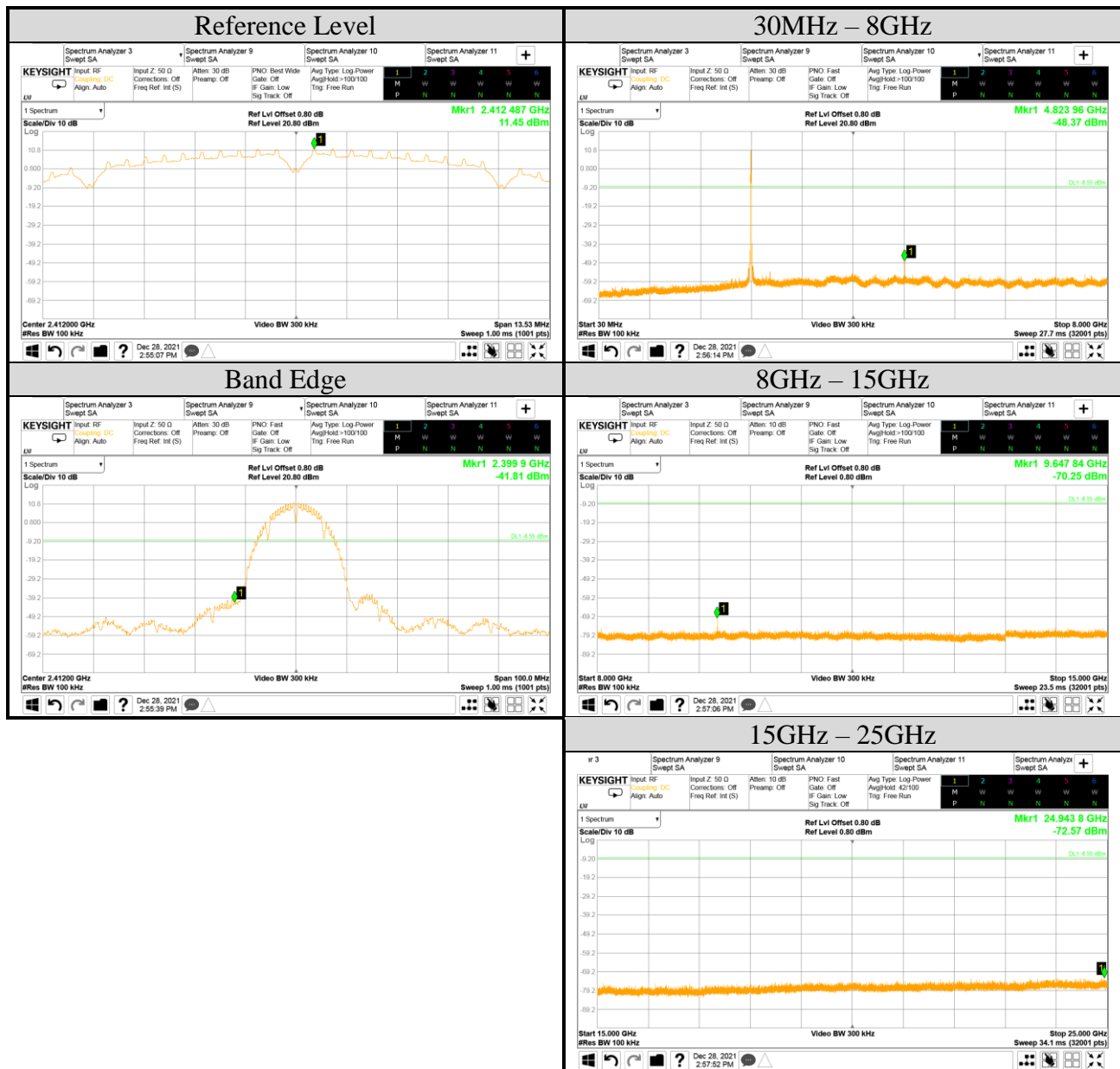
A.4.3 Measurement Plots





A.5 EMISSION LIMITATIONS

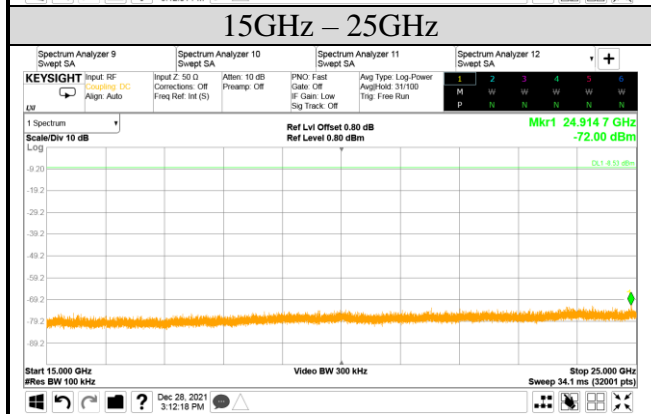
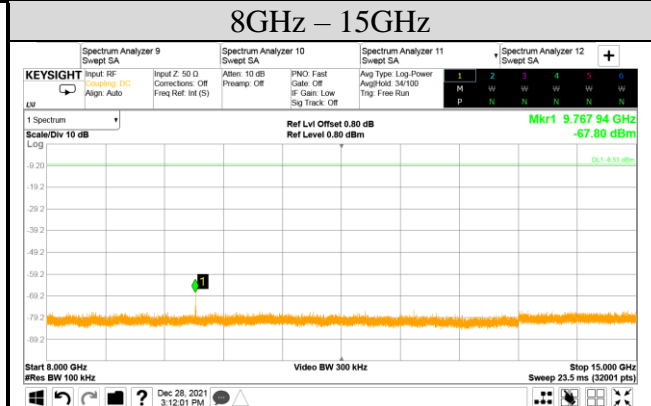
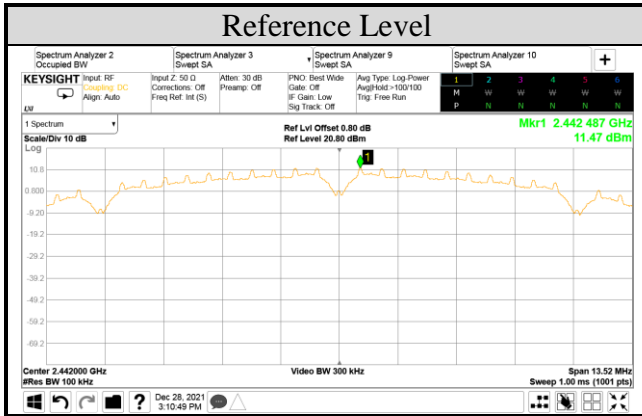
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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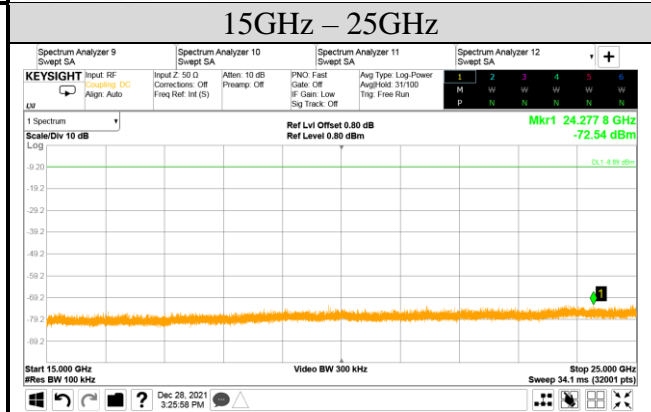
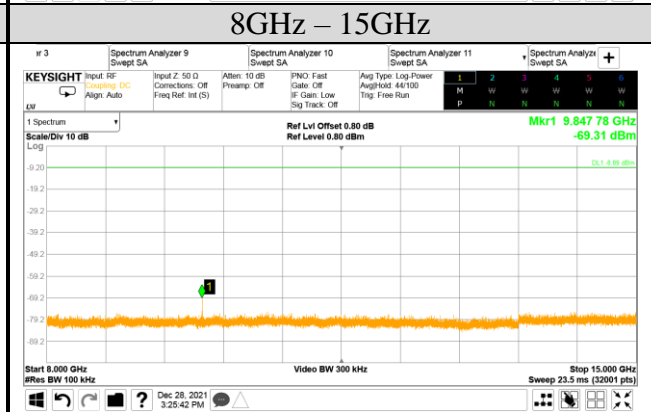
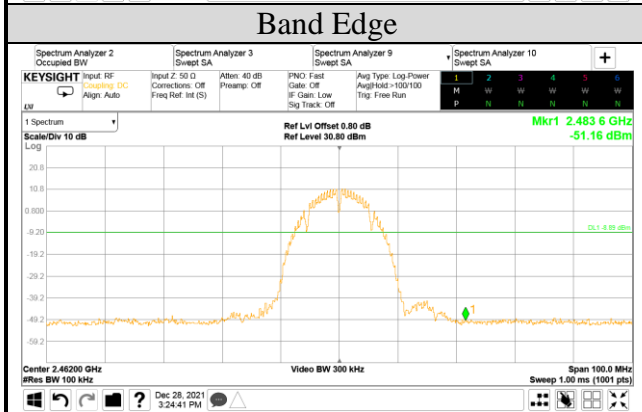
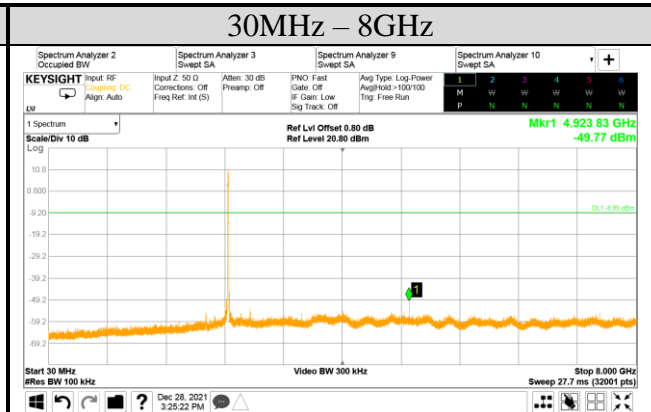
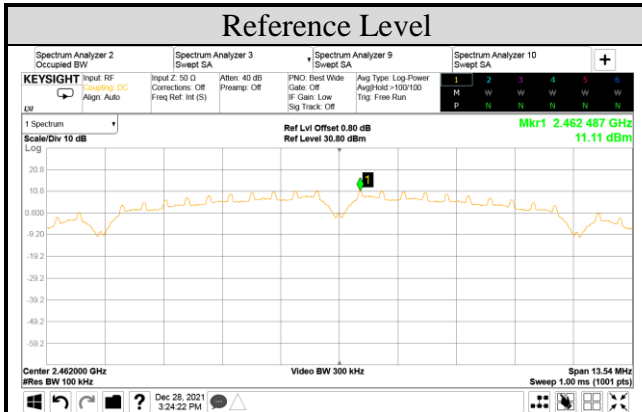
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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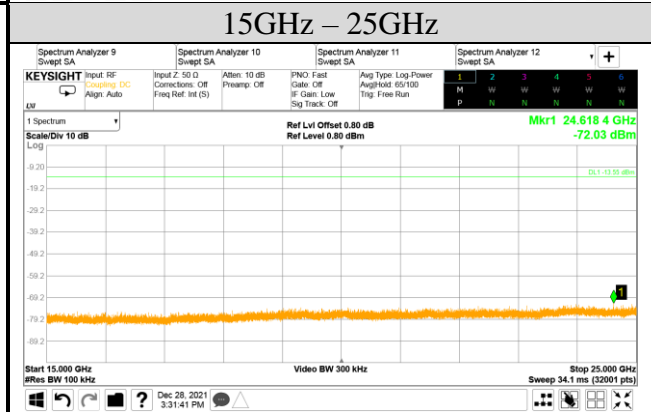
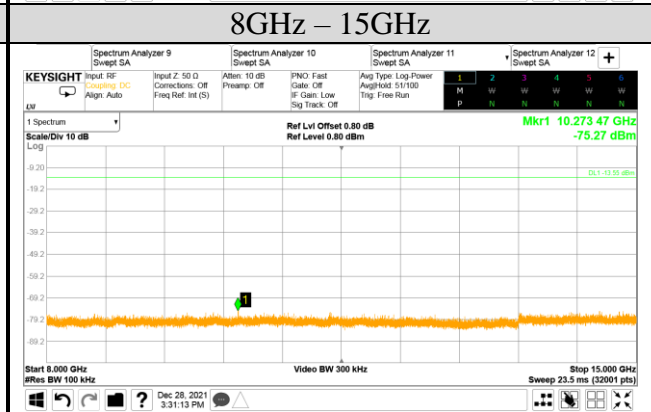
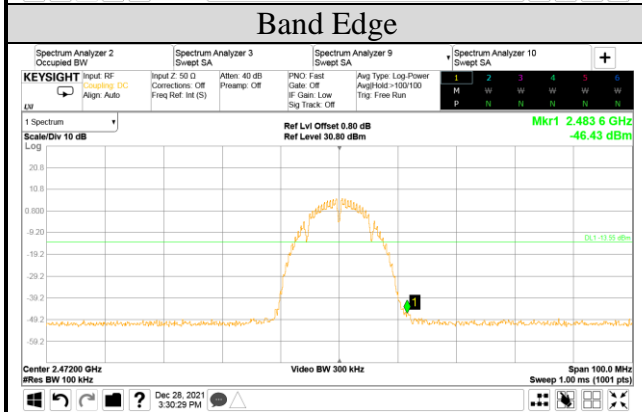
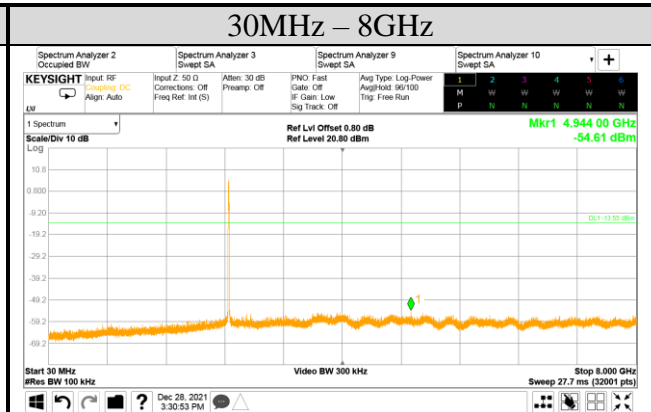
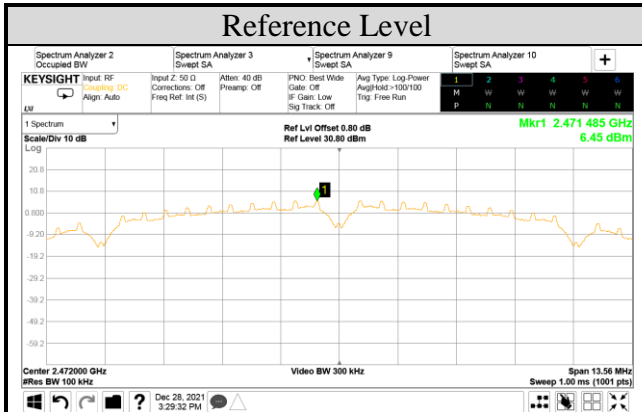
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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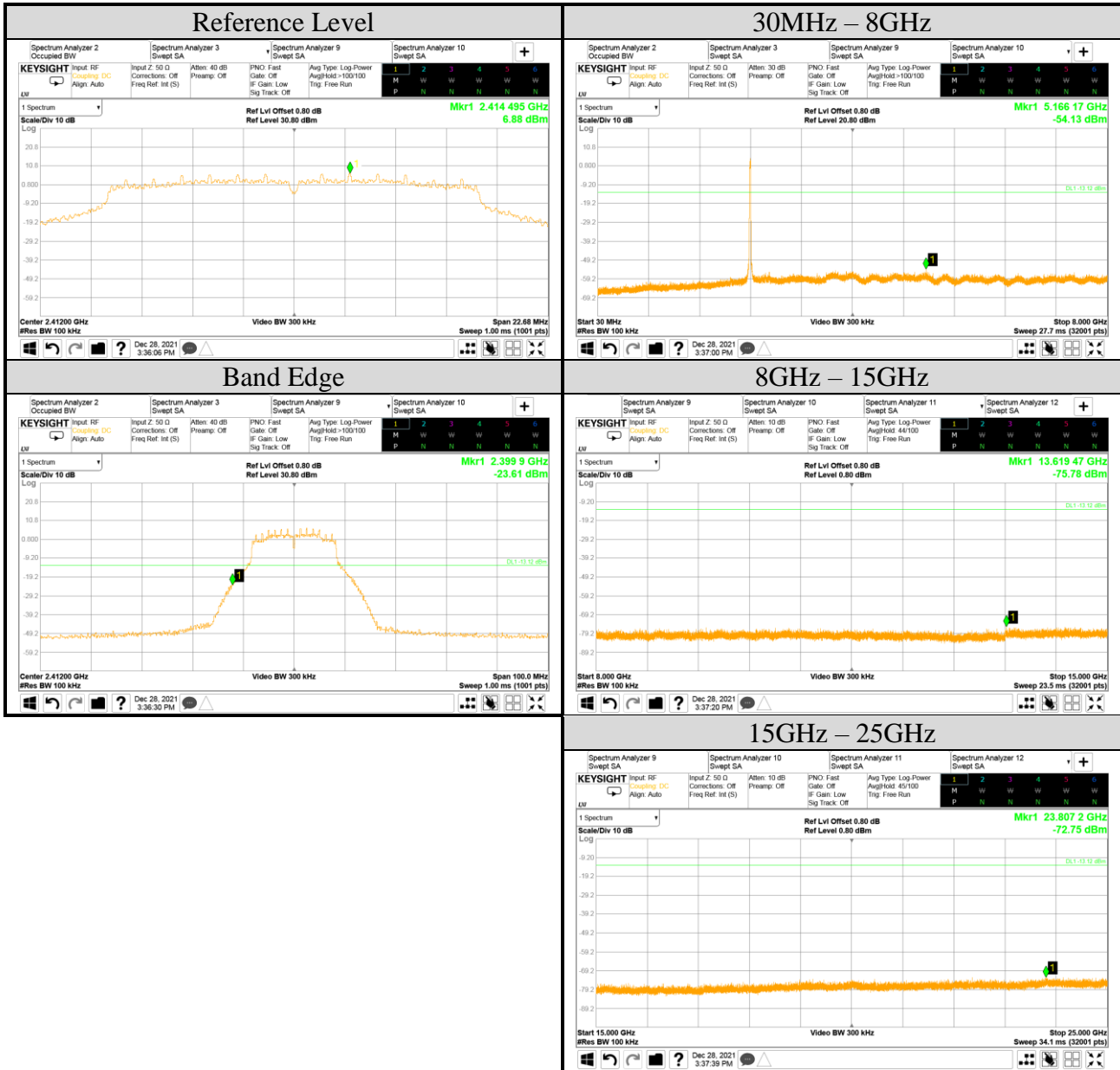
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11b
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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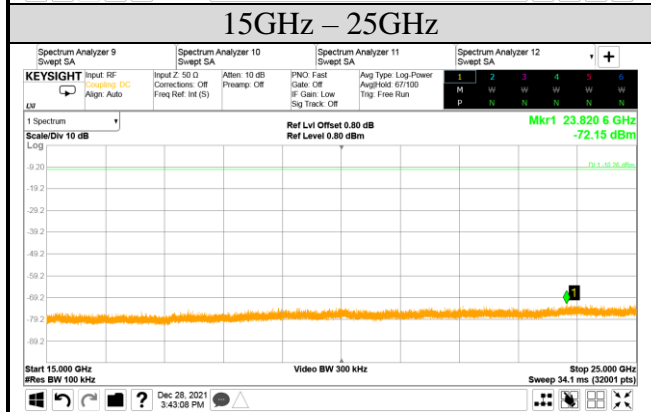
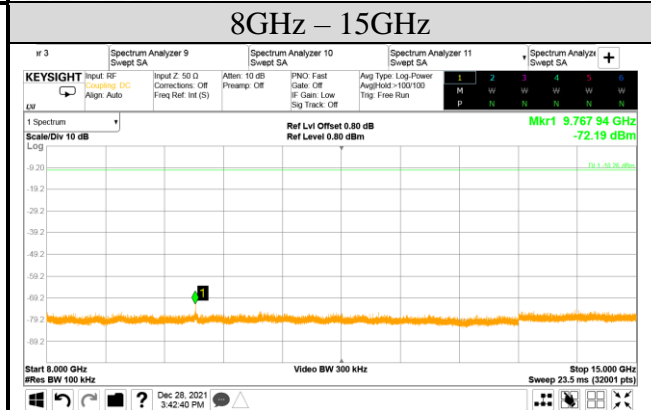
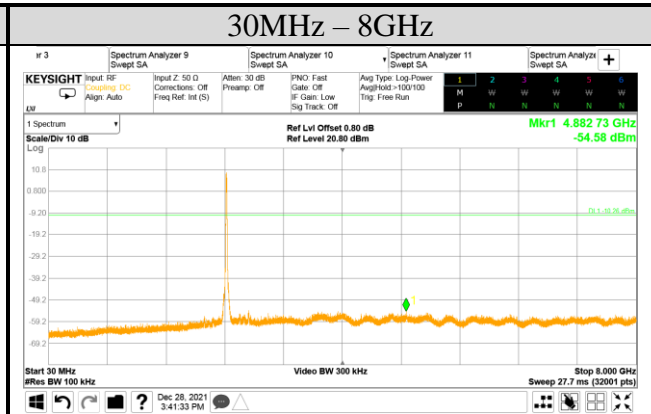
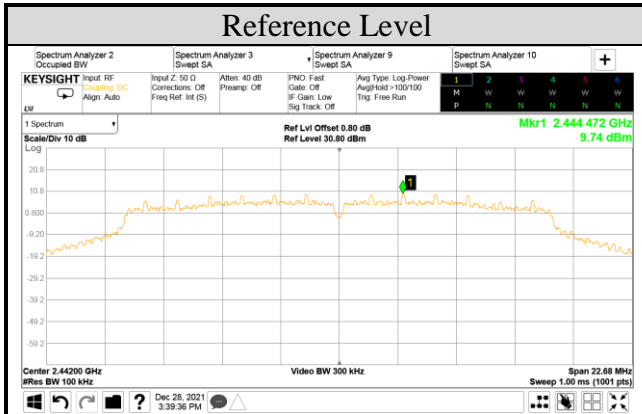
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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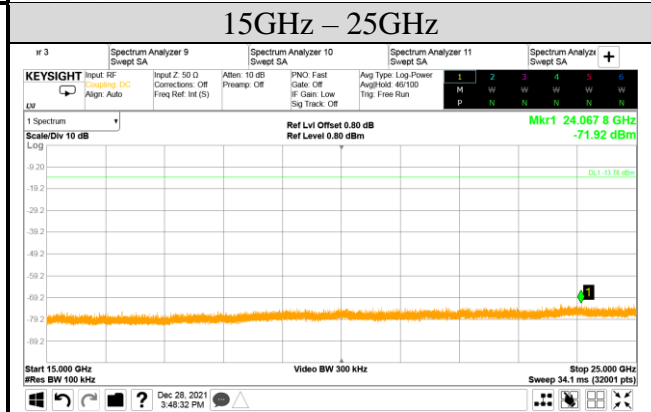
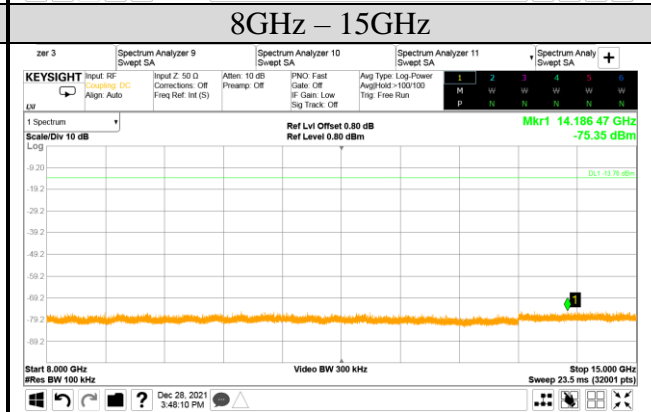
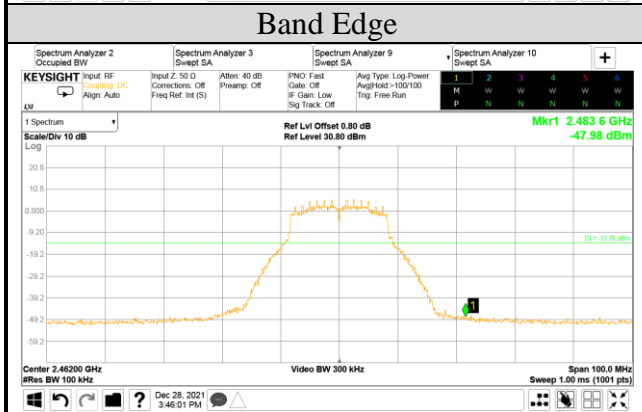
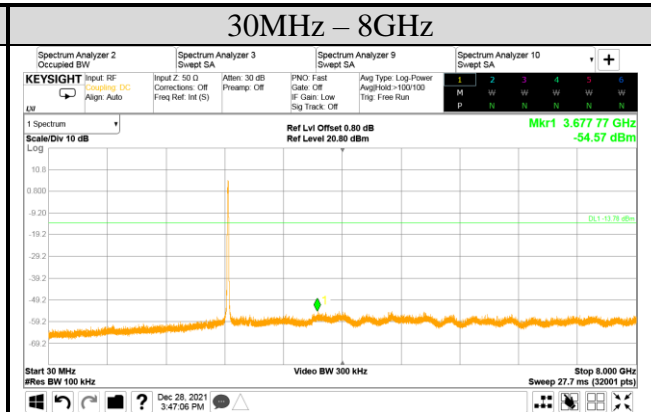
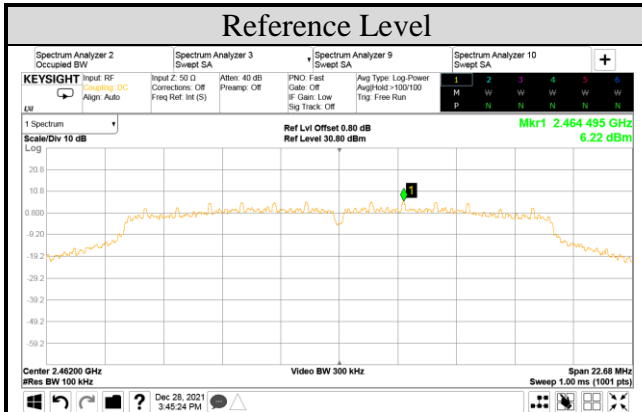
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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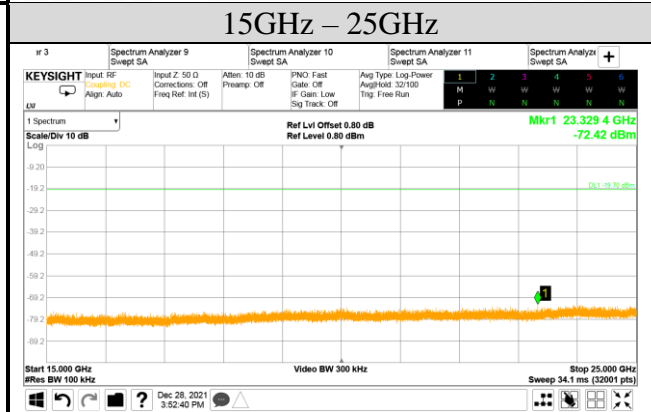
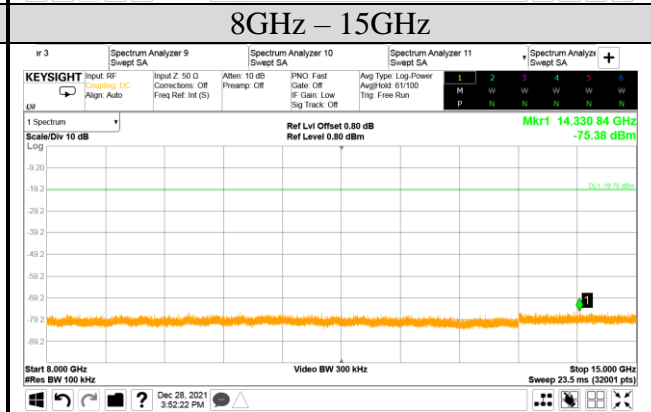
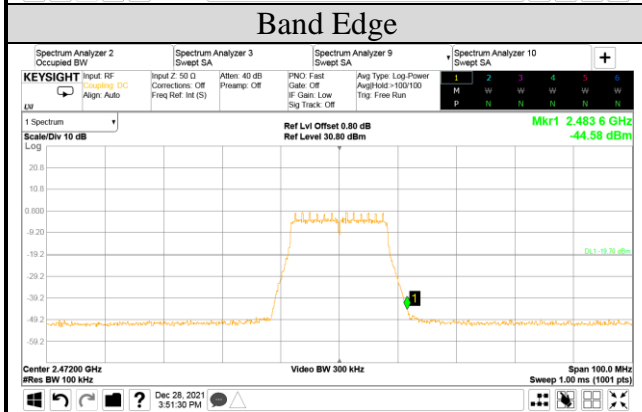
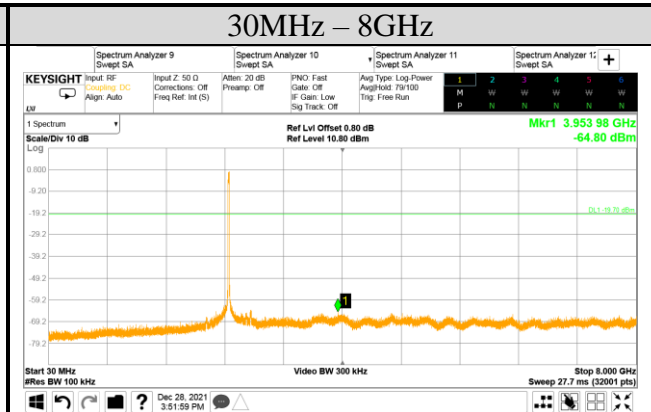
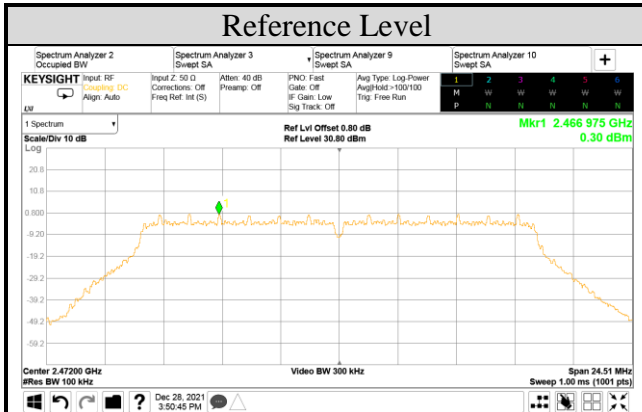
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			0



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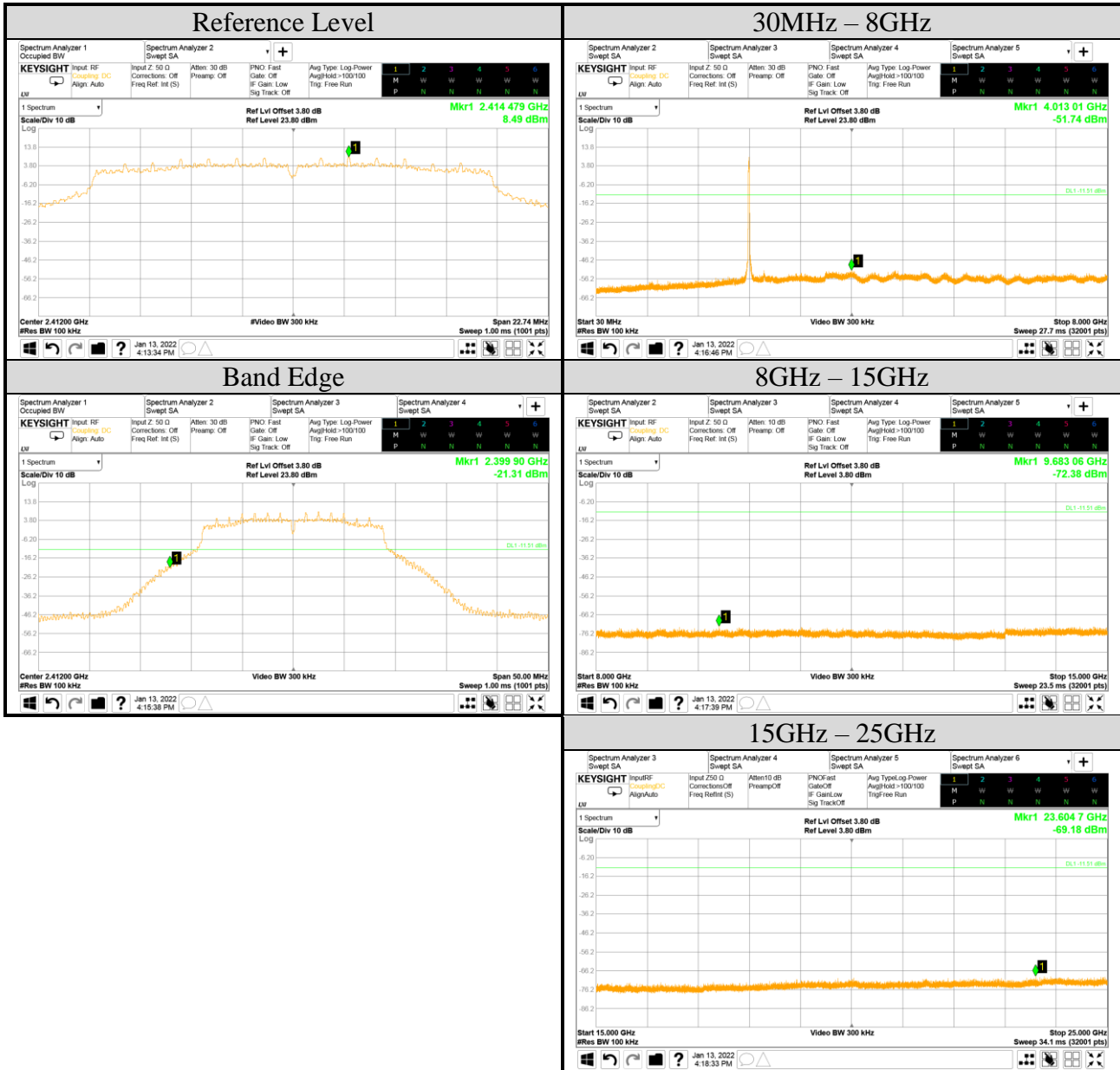
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11g
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



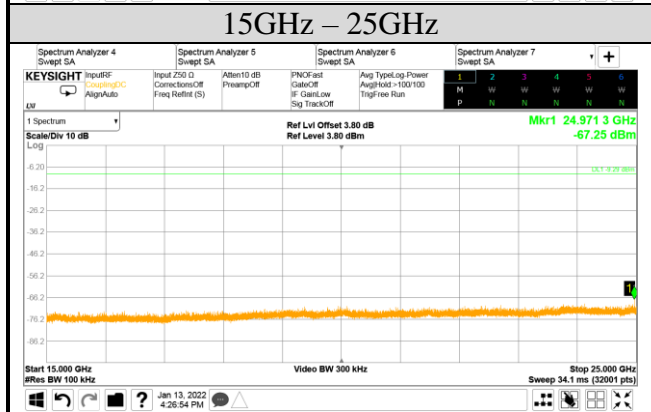
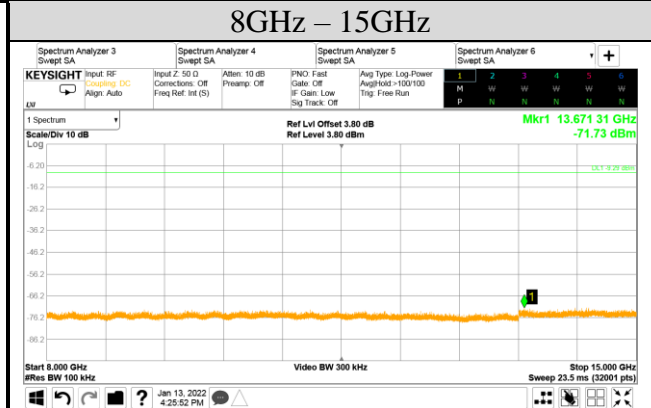
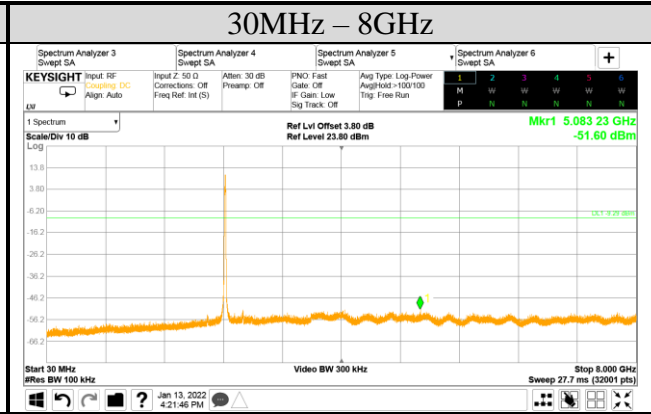
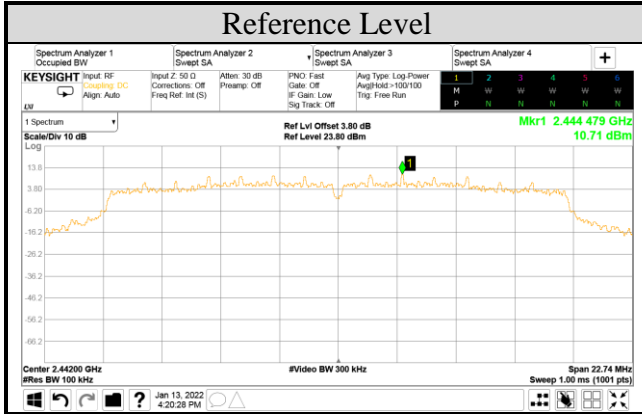
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Test Date	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3



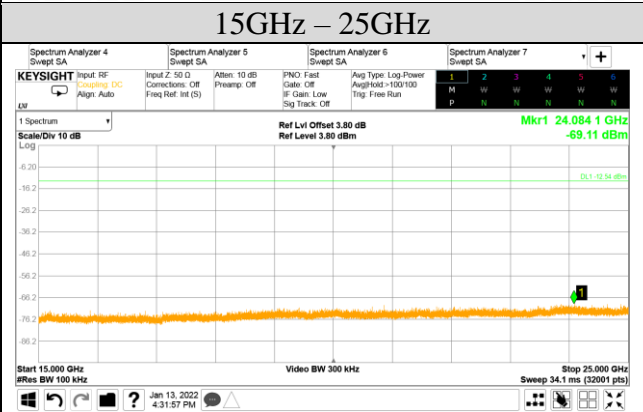
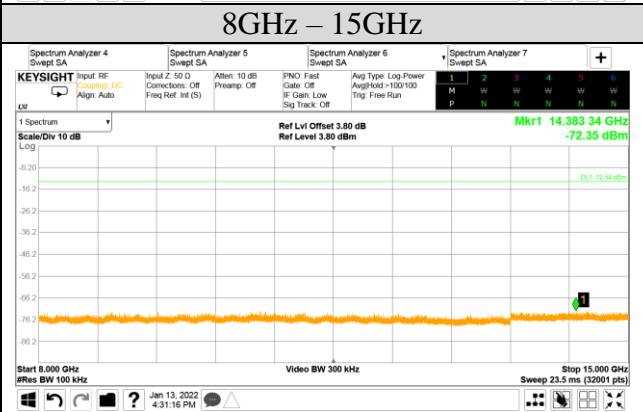
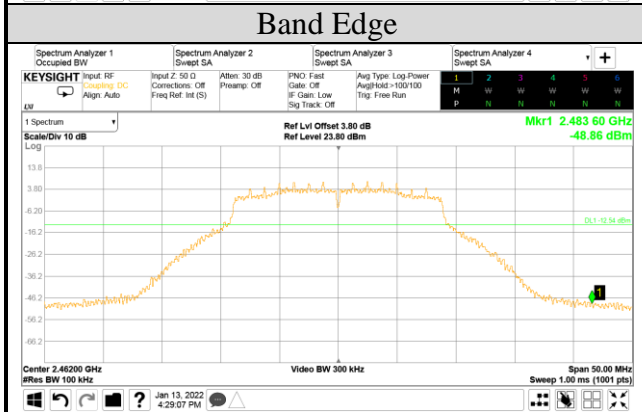
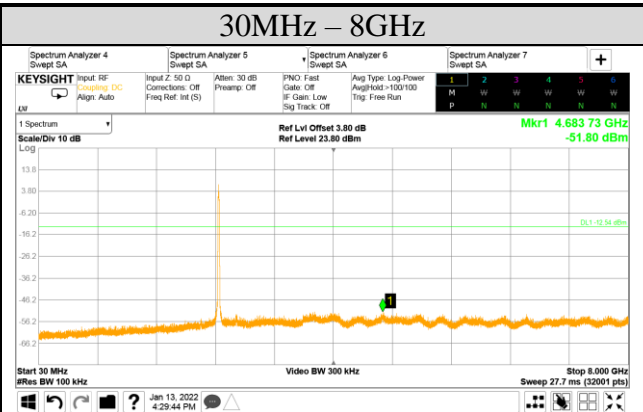
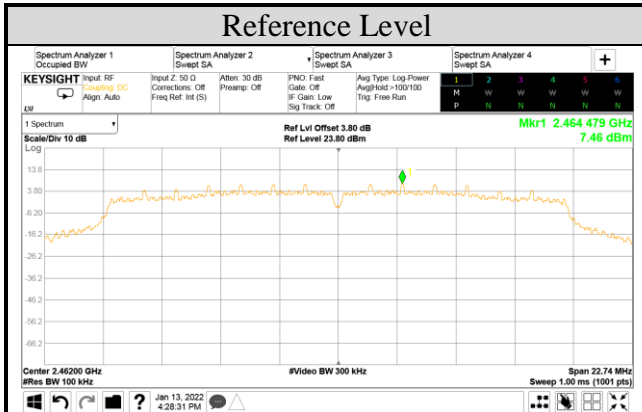
Test Date	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2442MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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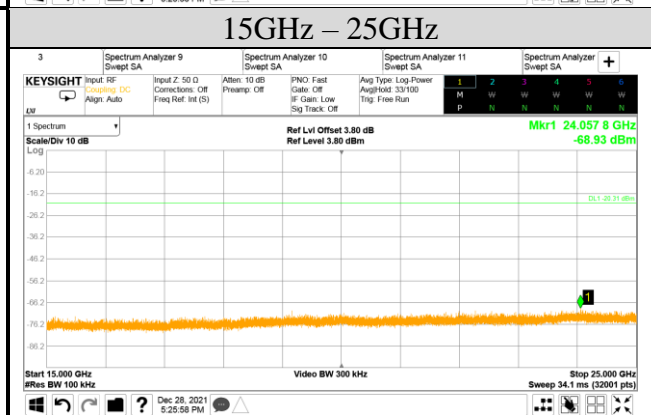
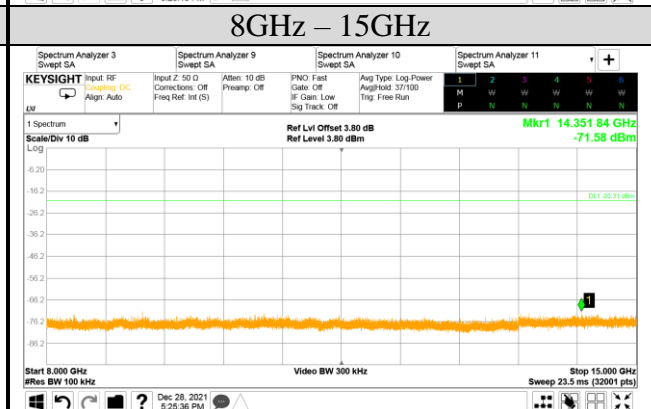
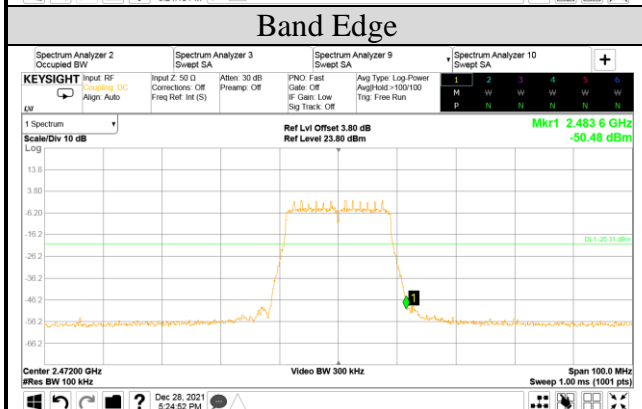
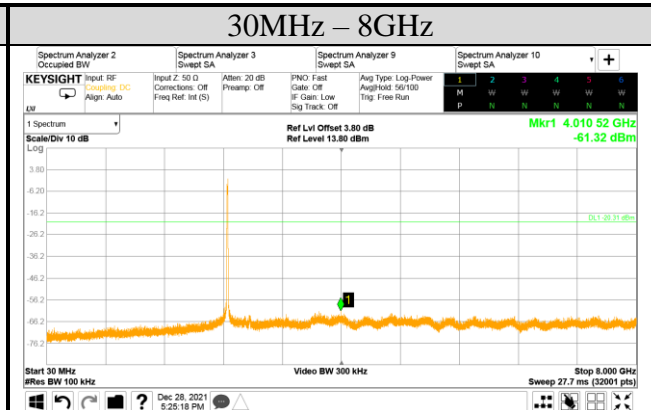
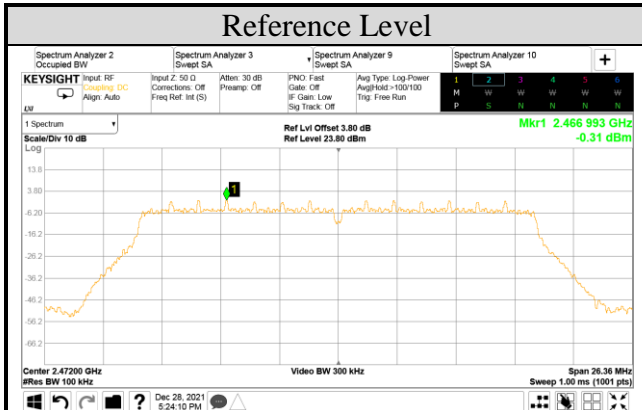
Test Date	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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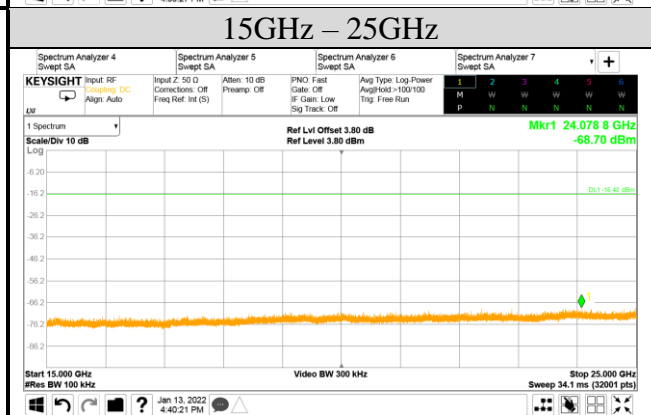
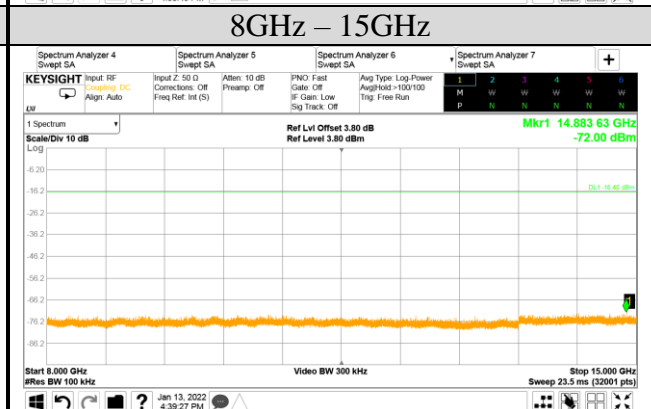
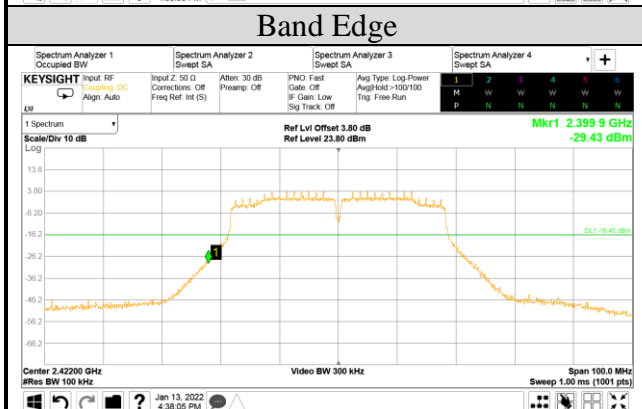
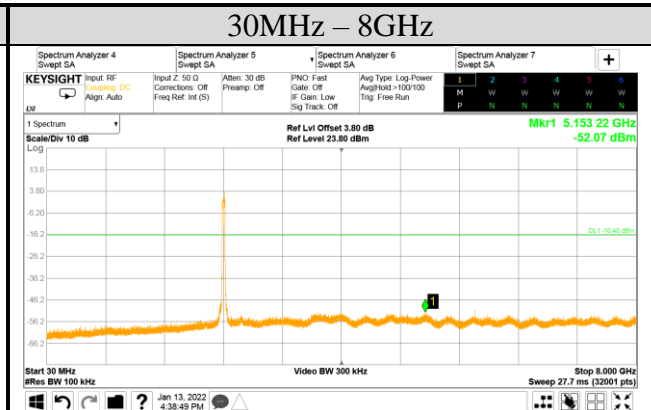
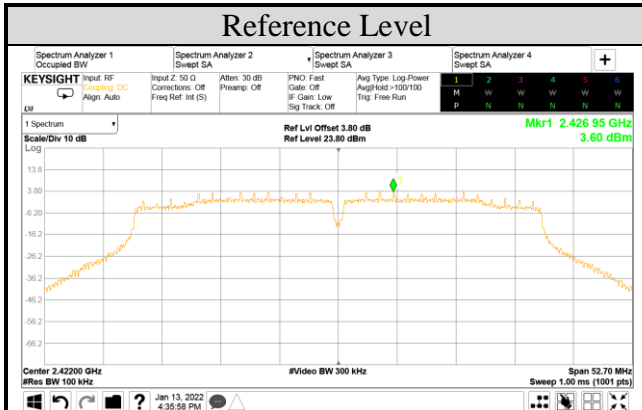
Test Date	2021/12/28	Temp./Hum.	14°C/63%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT20
		Frequency	TX 2472MHz
Simultaneous Factor10 log(n) (Note: “n” is antenna number)			3



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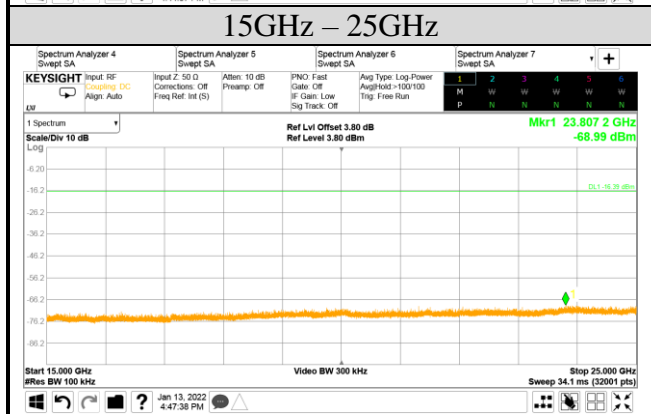
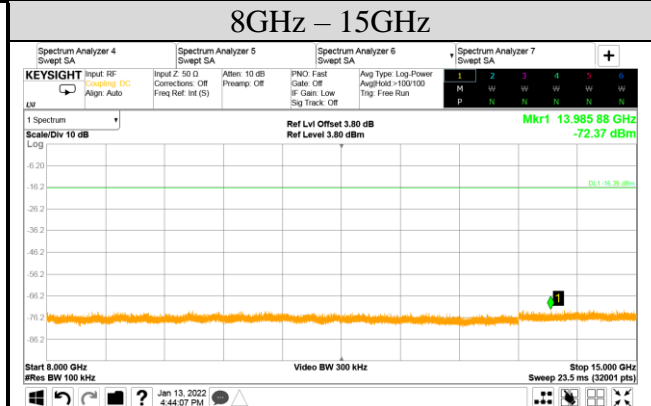
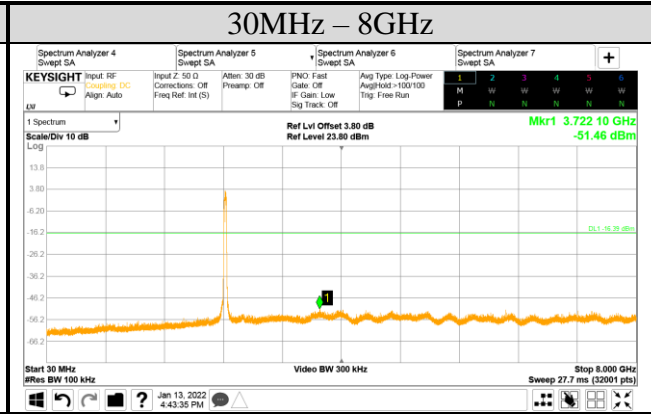
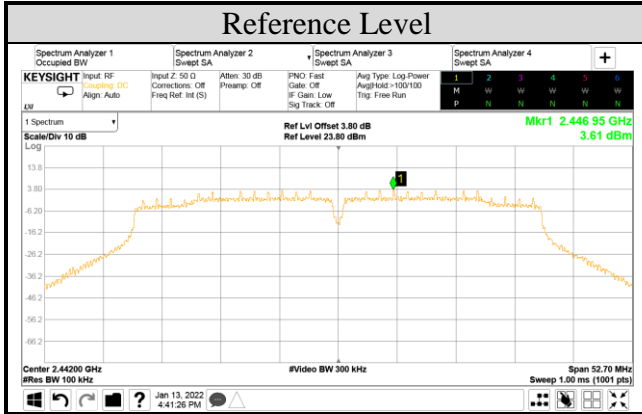
Test Date	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Mode	802.11n-HT40
		Frequency	TX 2422MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3



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Test Date	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
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	2022/01/13	Temp./Hum.	15°C/58%
Cable Loss	0.80dB	Tested By	Brian Hsieh
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

