

A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2018/10/23~24	Temp./Hum.	23~24°C /52~55%
Cable Loss	2.16dB	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	19.65	20.23	20.23	0.105	1.81	22.04	0.160	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	22.57	21.77	22.57	0.181		24.38	0.274	
	2462	19.85	20.48	20.48	0.112		22.29	0.169	
	2467	15.20	16.35	16.35	0.043		18.16	0.065	
	2472	14.24	14.89	14.89	0.031		16.70	0.047	

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	21.03	21.00	21.03	0.127	1.81	22.84	0.192	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	23.52	22.70	23.52	0.225		25.33	0.341	
	2462	21.22	21.25	21.25	0.133		23.06	0.202	
	2467	17.29	18.33	18.33	0.068		20.14	0.103	
	2472	-0.51	-0.94	-0.51	0.001		1.30	0.001	

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)	
802.11n- HT20	2412	20.11	20.27	23.20	0.209	1.81	25.01	0.317	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	22.03	22.04	25.05	0.320		26.86	0.485	
	2462	20.04	19.78	22.92	0.196		24.73	0.297	
	2467	17.89	17.44	20.68	0.117		22.49	0.177	
	2472	-0.53	-1.29	2.12	0.002		3.93	0.002	

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)	
802.11n- HT40	2422	19.17	18.67	21.94	0.156	1.81	23.75	0.237	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	20.02	20.06	23.05	0.202		24.86	0.306	
	2452	19.03	18.72	21.89	0.155		23.70	0.234	
	2457	16.71	15.82	19.30	0.085		21.11	0.129	
	2462	10.11	10.04	13.09	0.020		14.90	0.031	

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	2402	8.32	--	8.32	0.007	1.57	9.89	0.010	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2440	8.39	--	8.39	0.007		9.96	0.010	
	2480	8.07	--	8.07	0.006		9.64	0.009	

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)	Total Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11b	2412	17.96	18.52	0	18.52	0.071	1.81	20.33	0.108	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	21.06	20.61		21.06	0.128		22.87	0.194	
	2462	18.19	18.74		18.74	0.075		20.55	0.114	
	2467	13.34	14.31		14.31	0.027		16.12	0.041	
	2472	12.16	12.80		12.80	0.019		14.61	0.029	

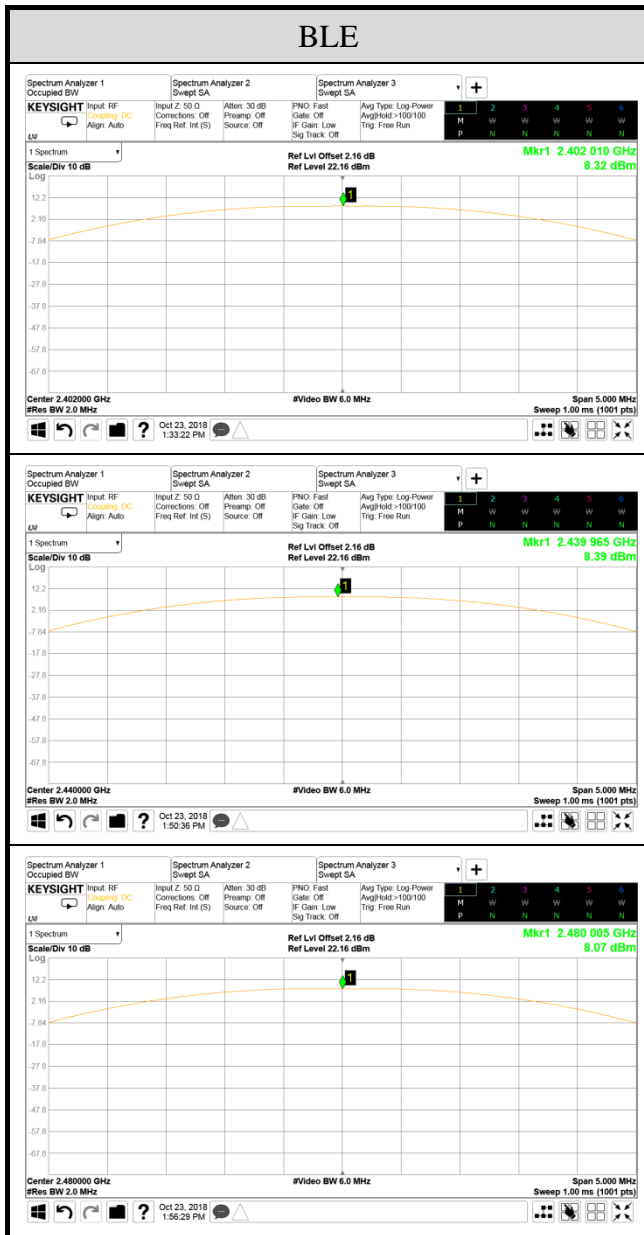
Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Total Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11g	2412	16.10	16.19	0	16.19	0.042	1.81	18.00	0.063	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	20.49	19.57		20.49	0.112		22.30	0.170	
	2462	16.24	16.47		16.47	0.044		18.28	0.067	
	2467	12.11	13.25		13.25	0.021		15.06	0.032	
	2472	-5.57	-6.47		-5.57	0.000		-3.76	0.000	

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Total Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	14.95	15.18	0.19	18.27	0.067	1.81	20.08	0.102	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	17.24	17.62		20.64	0.116		22.45	0.176	
	2462	14.77	14.56		17.87	0.061		19.68	0.093	
	2467	12.49	12.15		15.53	0.036		17.34	0.054	
	2472	-6.08	-6.95		-3.29	0.000		-1.48	0.001	

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		10log (1/X)	Max. Average Output Power		Antenna Gain (dBi)	Total Average Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)	
802.11n-HT40	2422	13.18	12.80	0.38	16.38	0.043	1.81	18.19	0.066	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2437	13.99	14.05		17.41	0.055		19.22	0.084	
	2452	13.13	12.78		16.35	0.043		18.16	0.065	
	2457	8.95	8.42		12.08	0.016		13.89	0.024	
	2462	1.09	0.99		4.43	0.003		6.24	0.004	

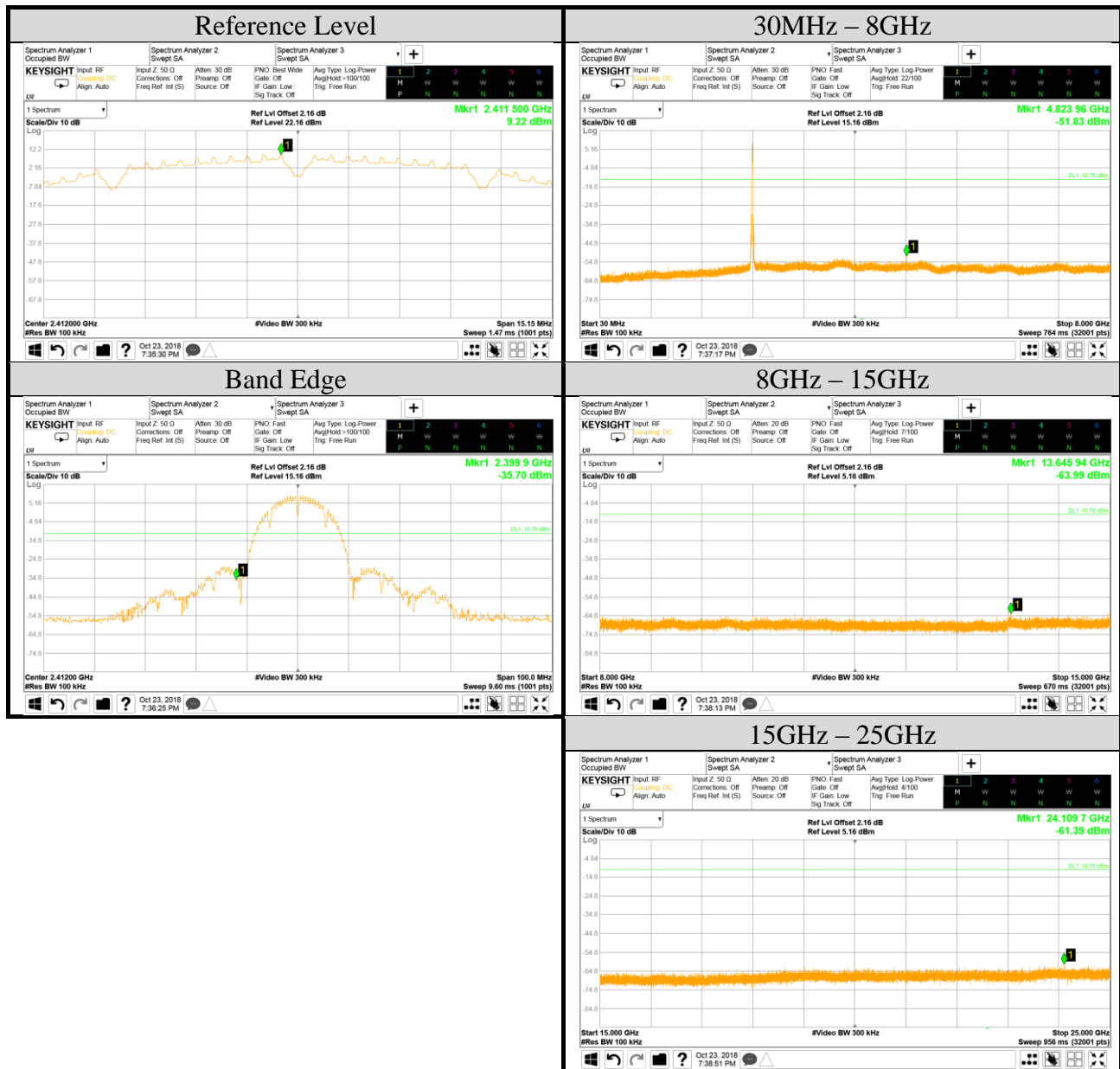
Note: The results have been included cable loss.

A.4.3 Measurement Plots



A.5 EMISSION LIMITATIONS

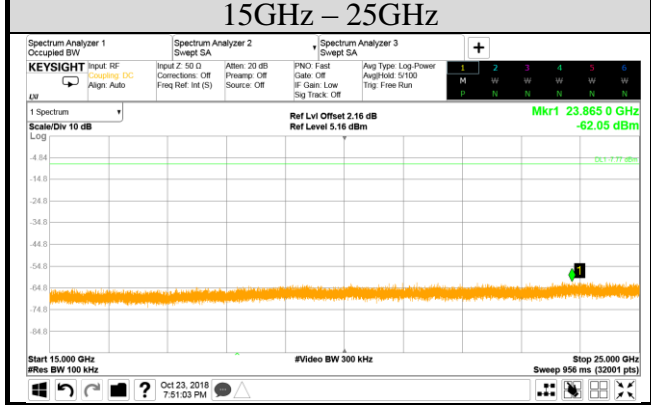
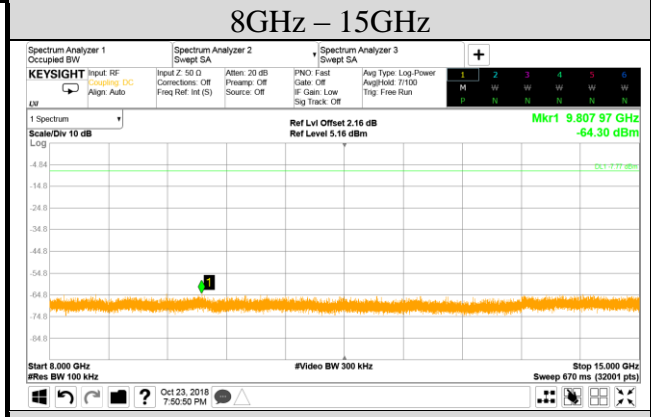
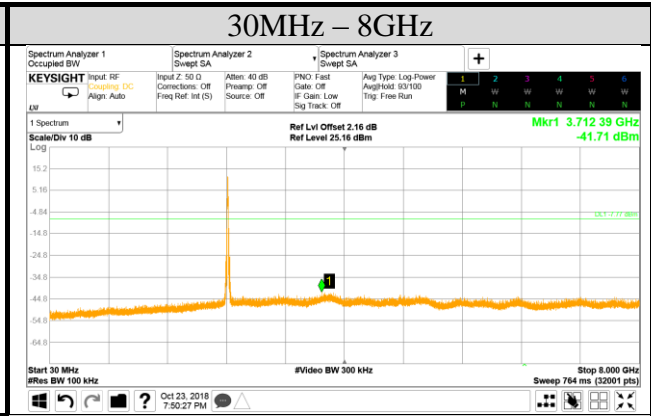
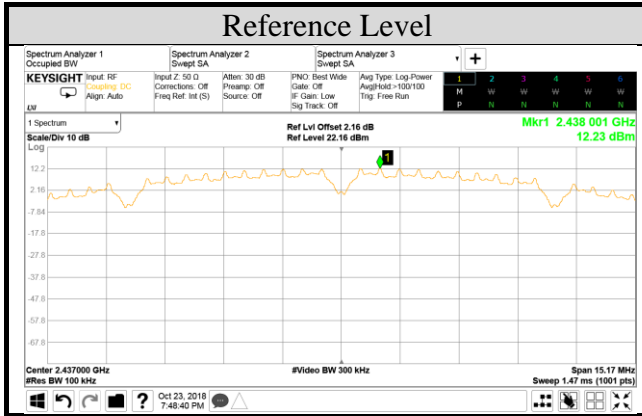
Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)	0		



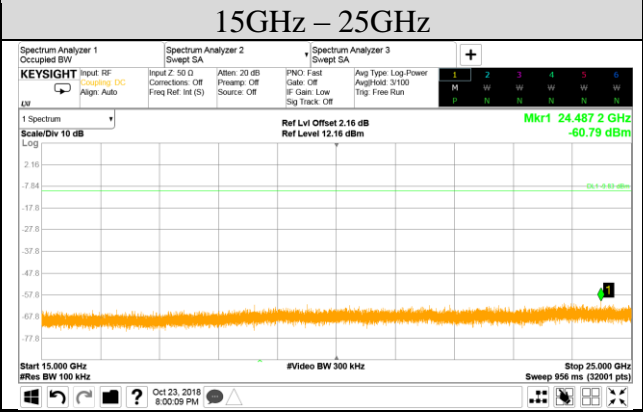
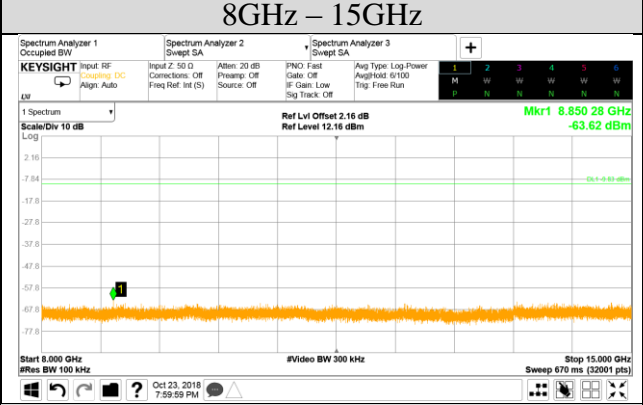
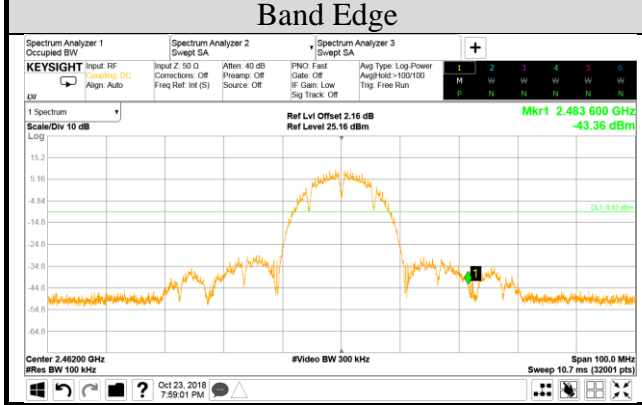
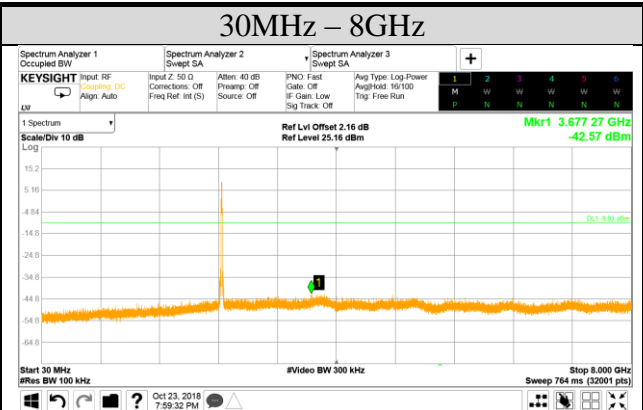
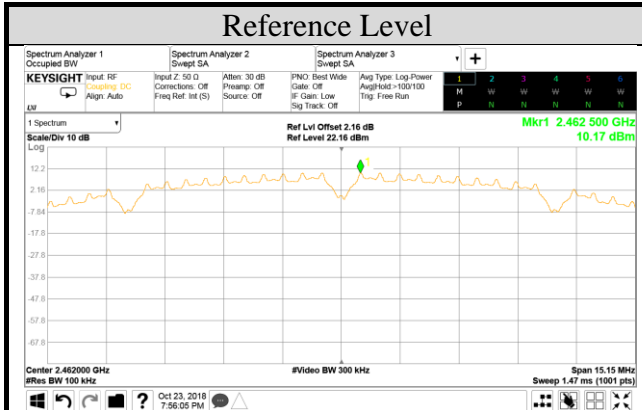
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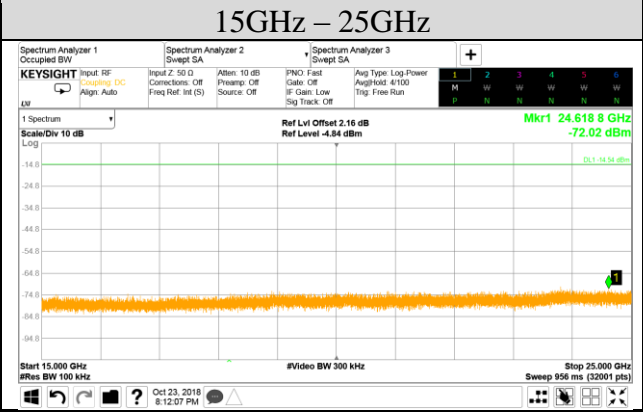
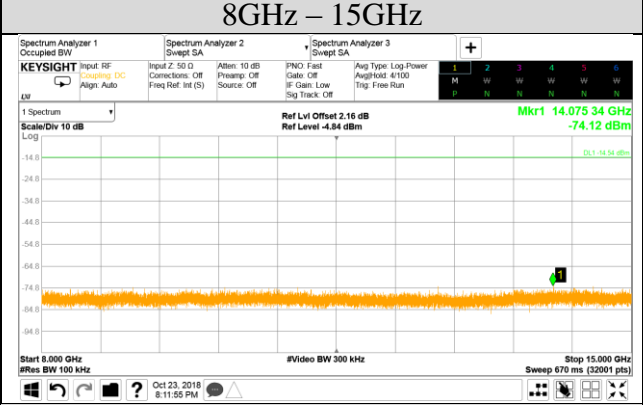
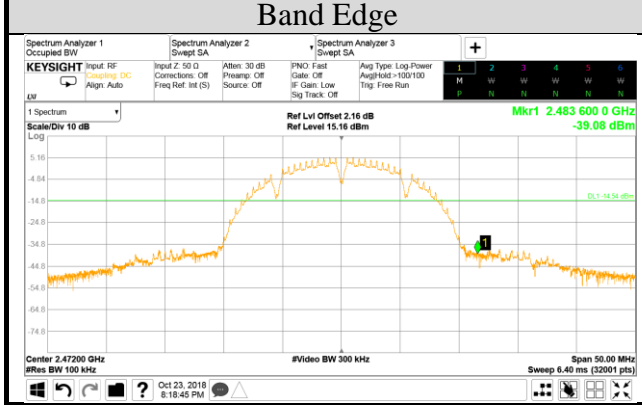
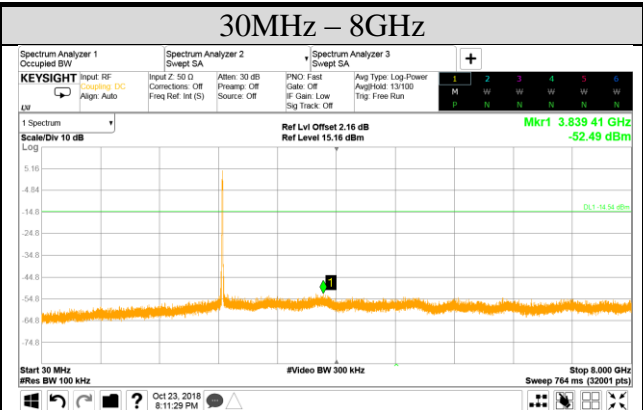
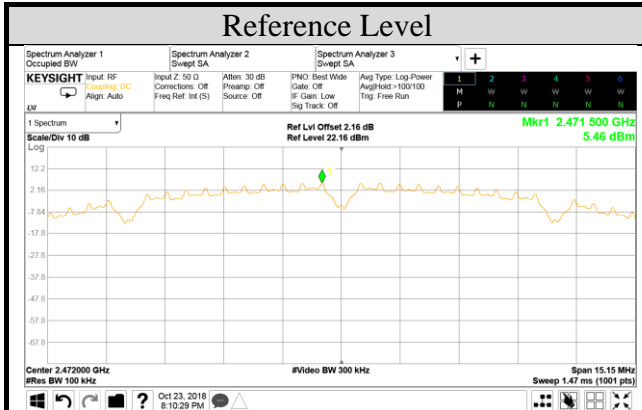
Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Frequency	TX 2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)	0		



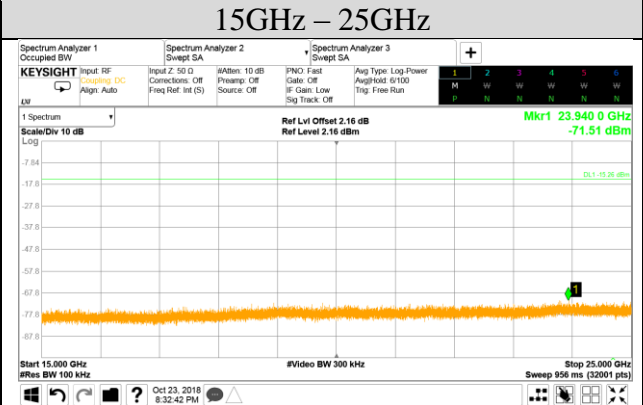
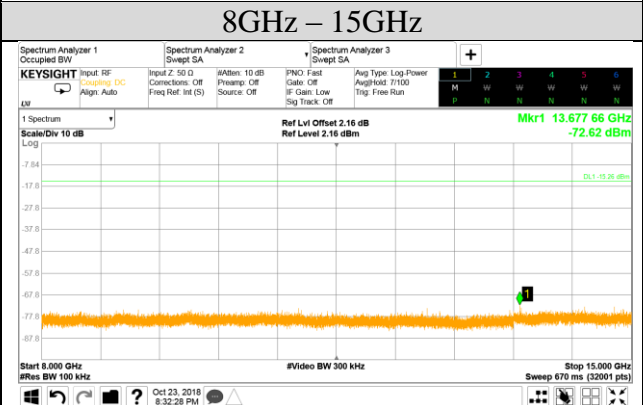
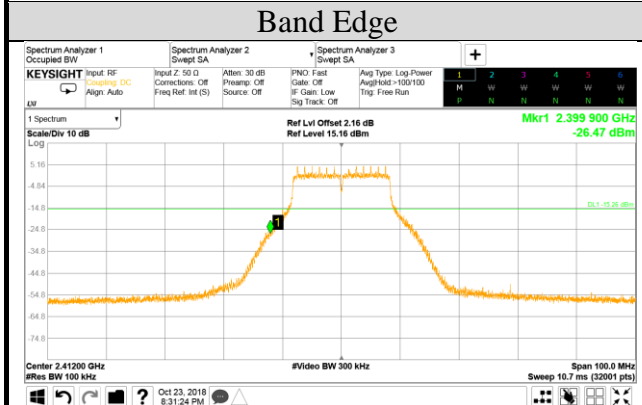
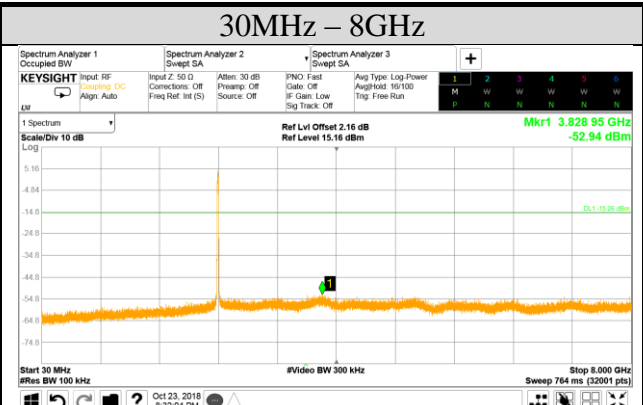
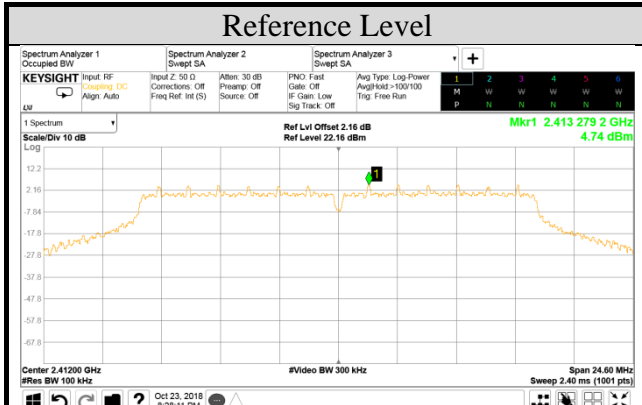
Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11b	Frequency	TX 2472MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



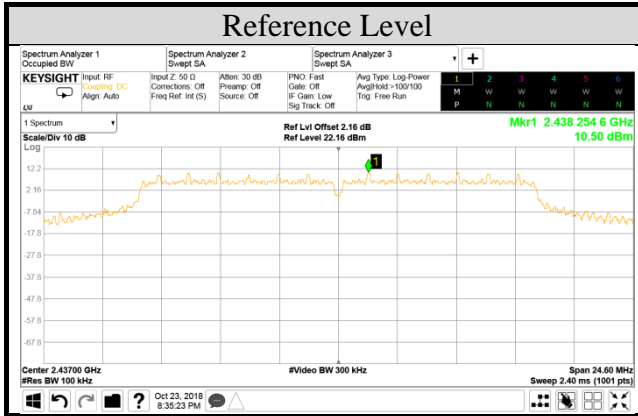
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Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Frequency	TX 2412MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



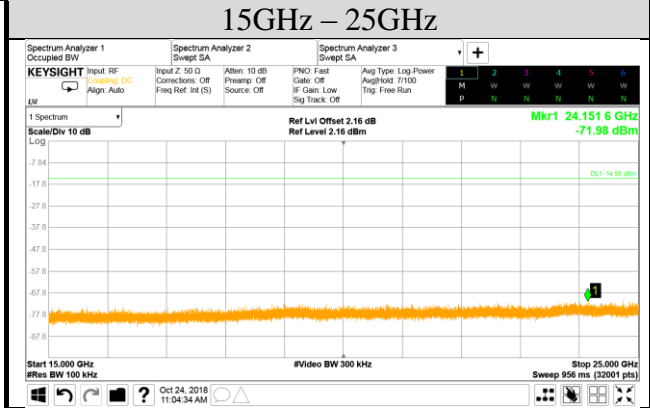
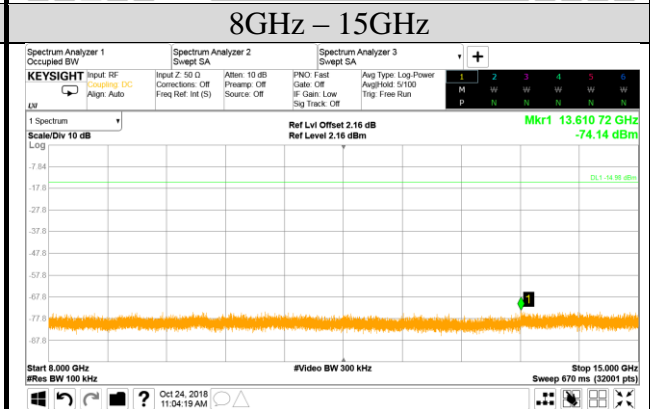
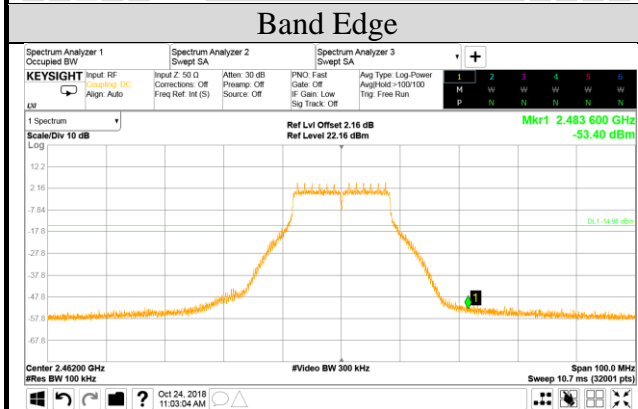
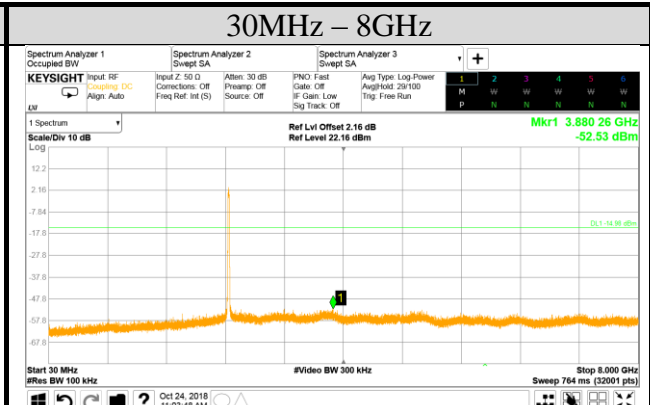
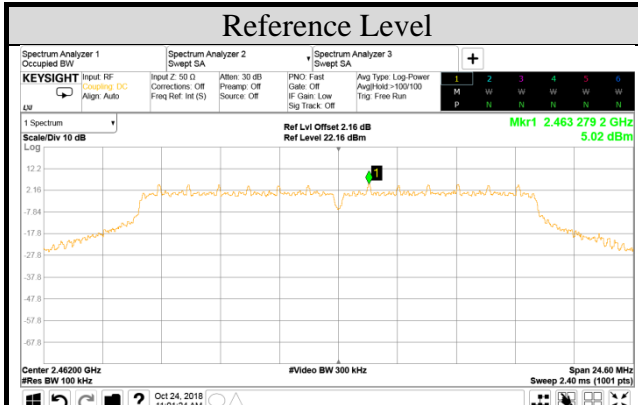
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Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Frequency	TX 2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)	0		



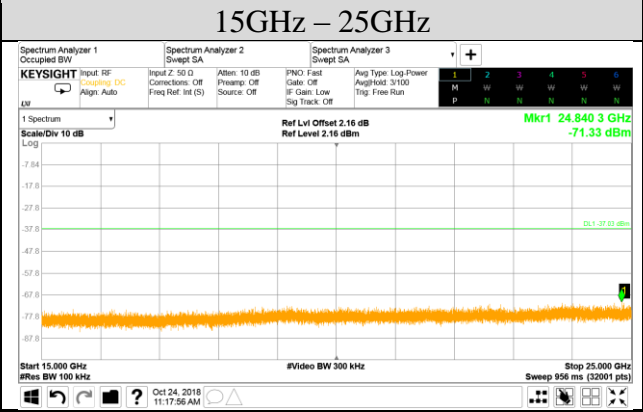
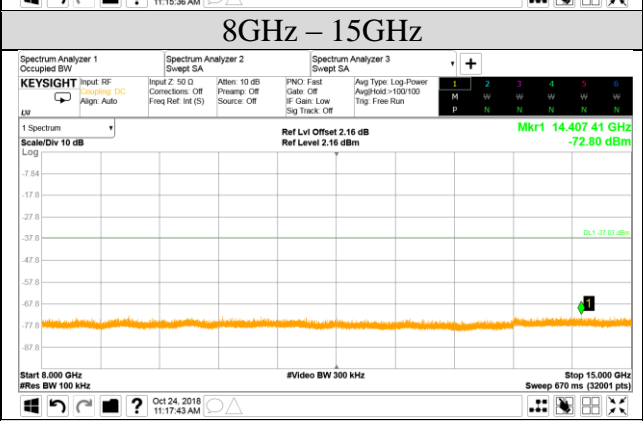
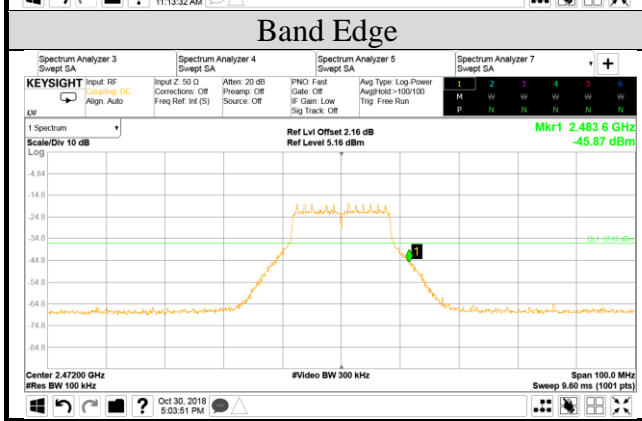
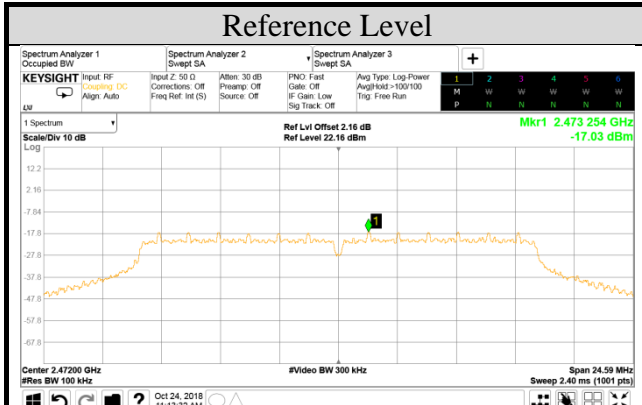
Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Frequency	TX 2462MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



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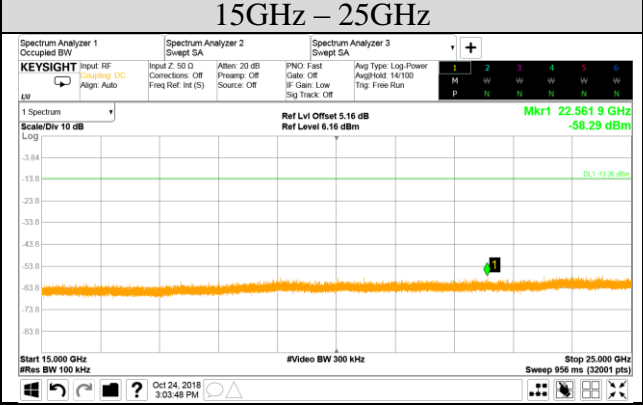
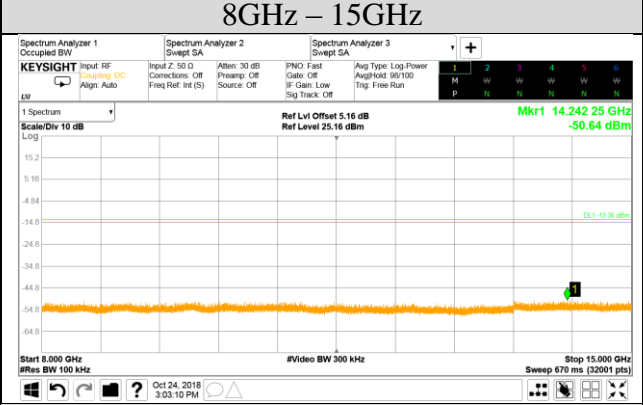
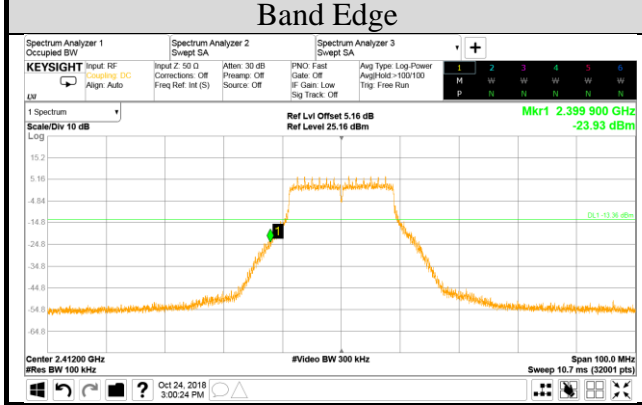
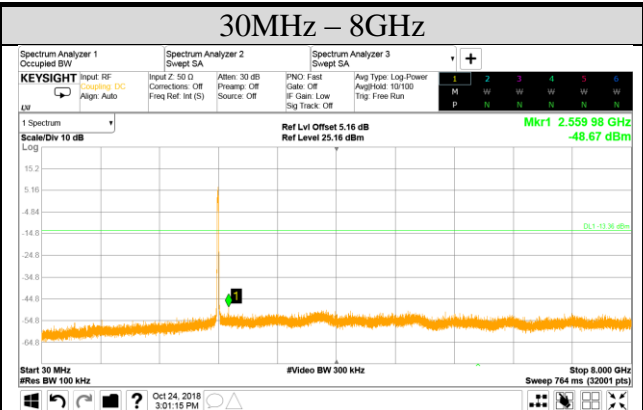
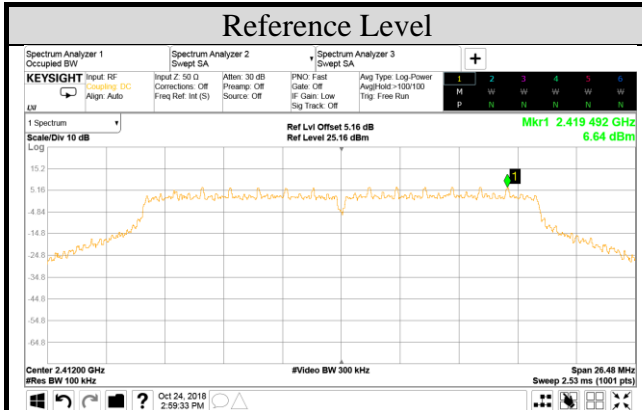
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Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11g	Frequency	TX 2472MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



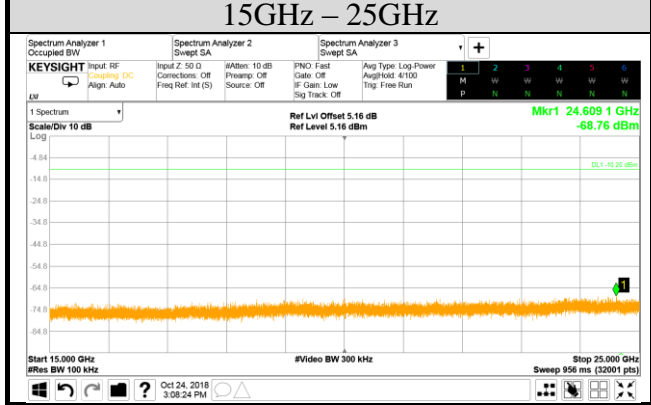
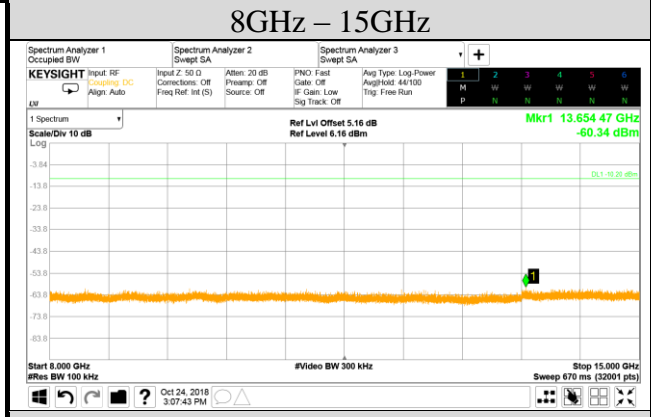
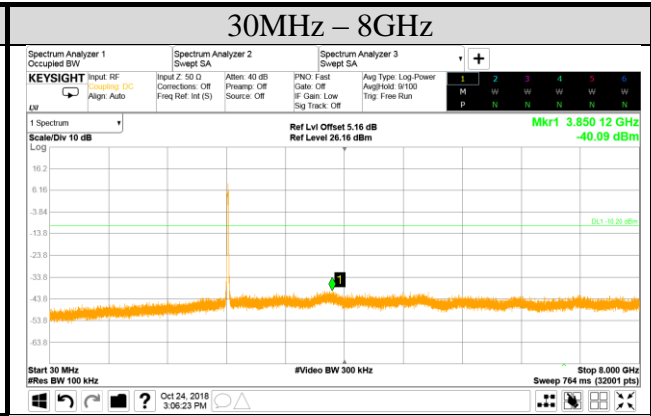
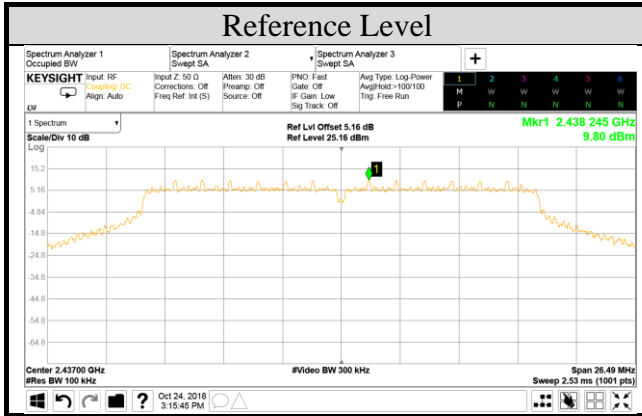
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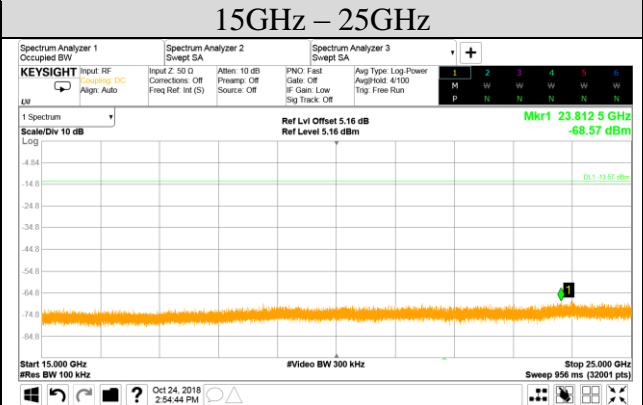
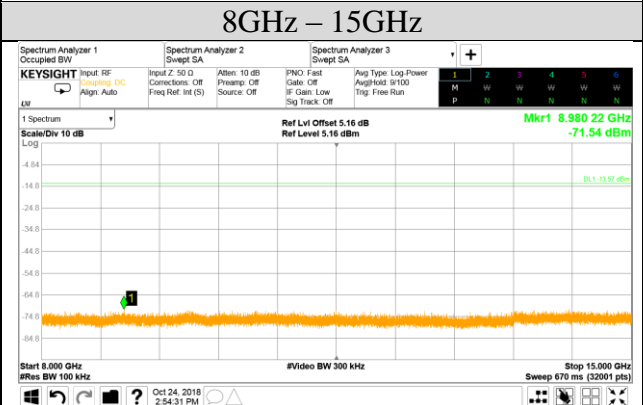
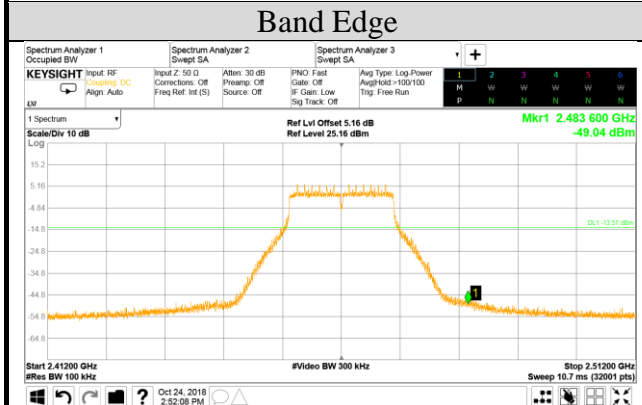
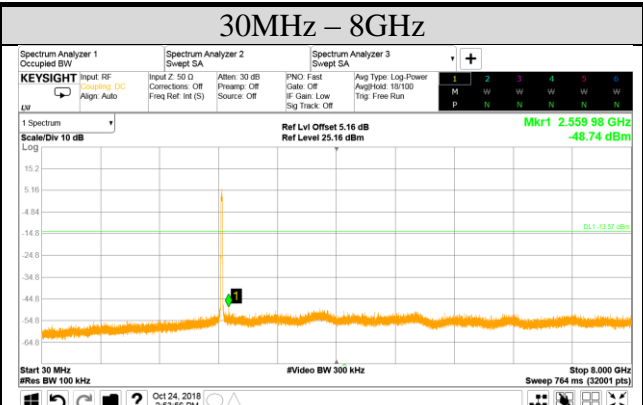
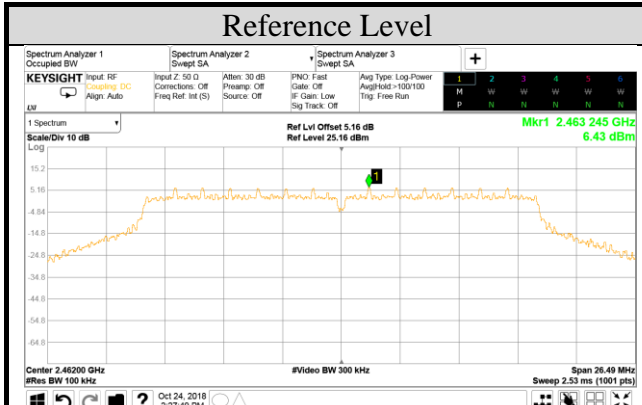
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Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Frequency	TX 2412MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Frequency	TX 2437MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



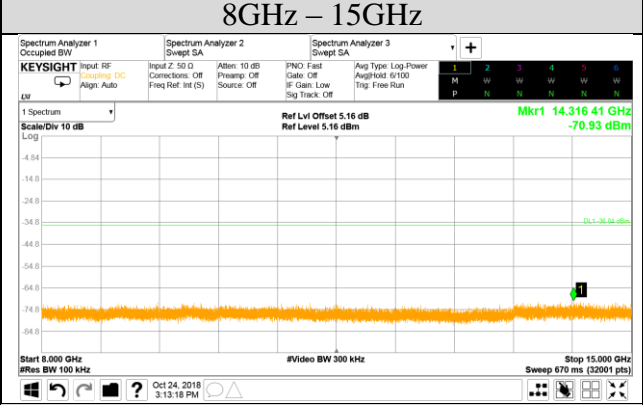
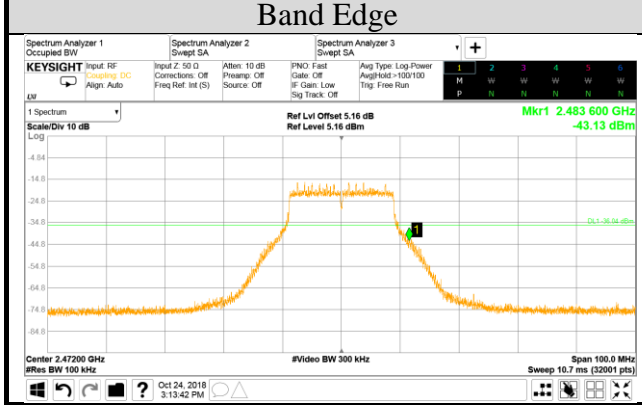
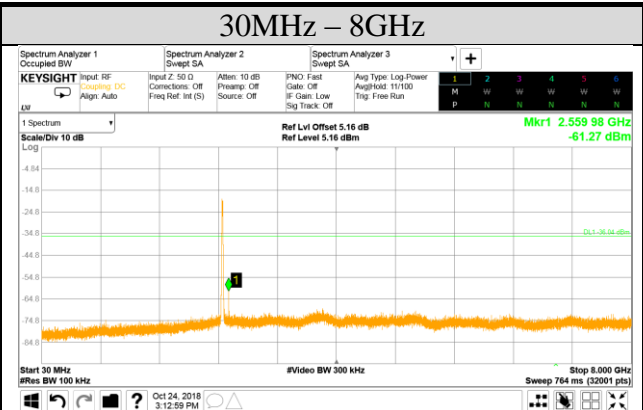
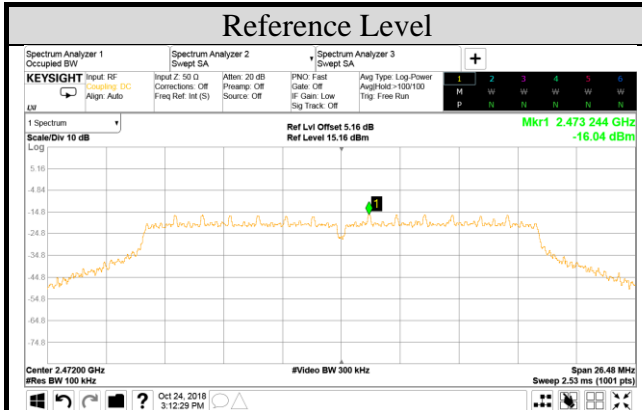
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Frequency	TX 2462MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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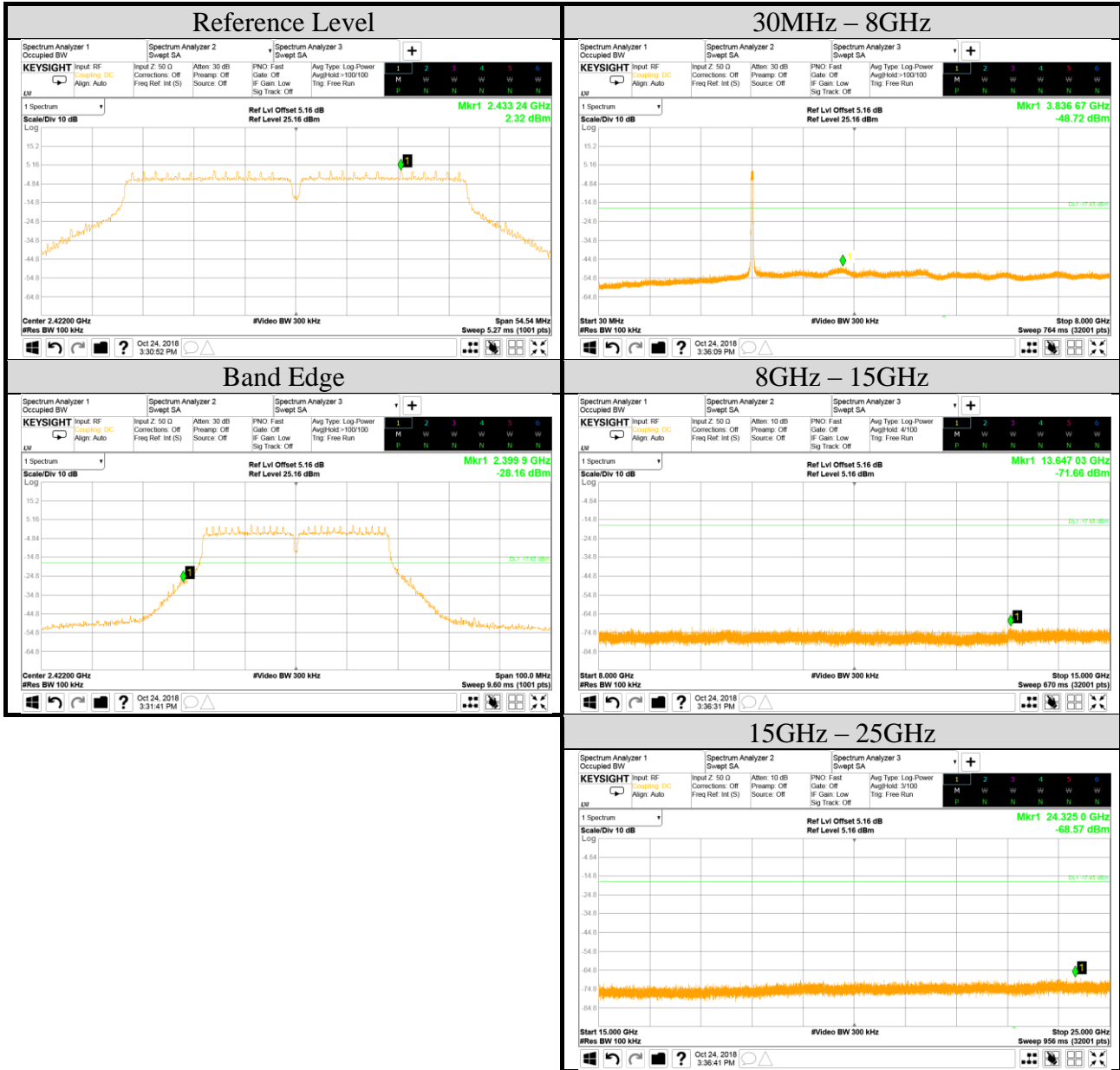
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT20	Frequency	TX 2472MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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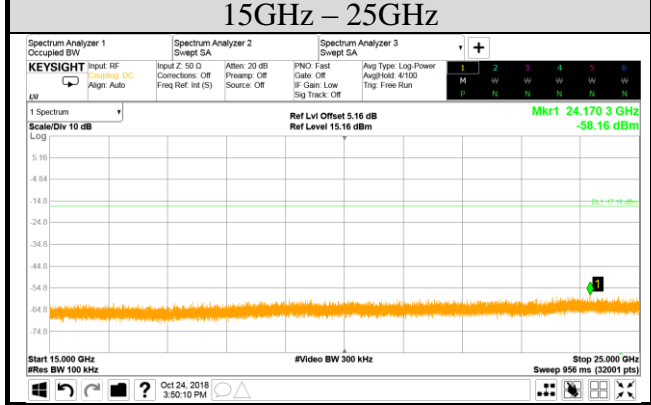
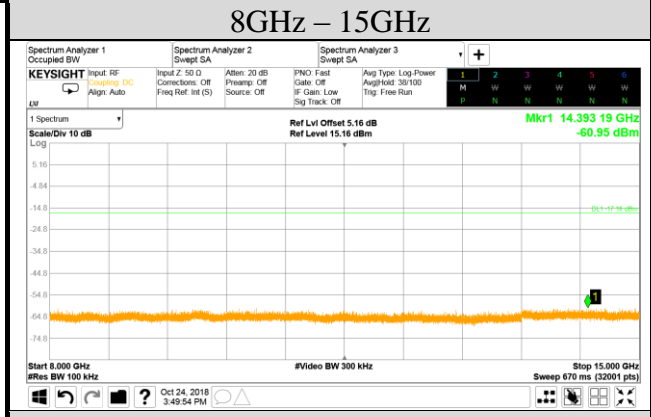
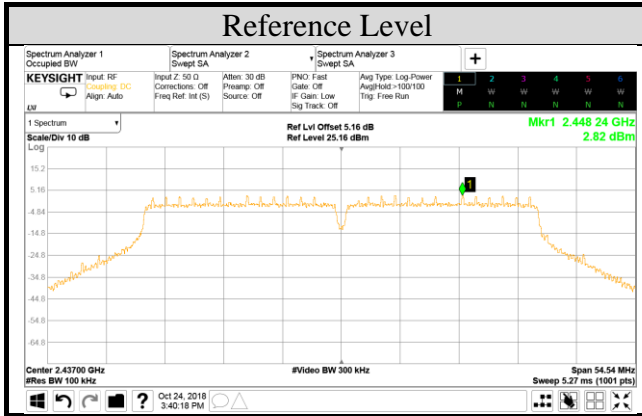
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Frequency	TX 2422MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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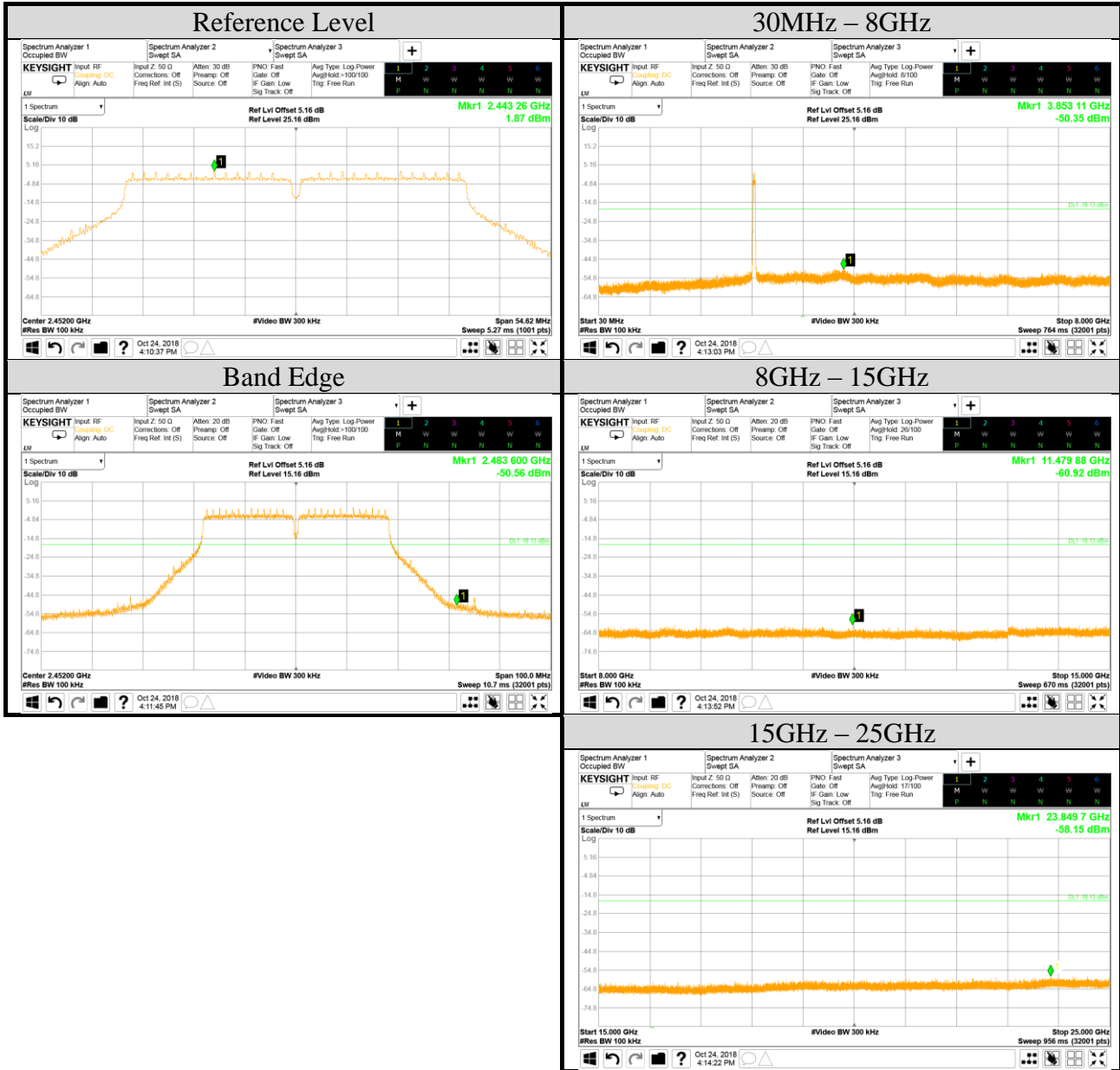
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Frequency	TX 2437MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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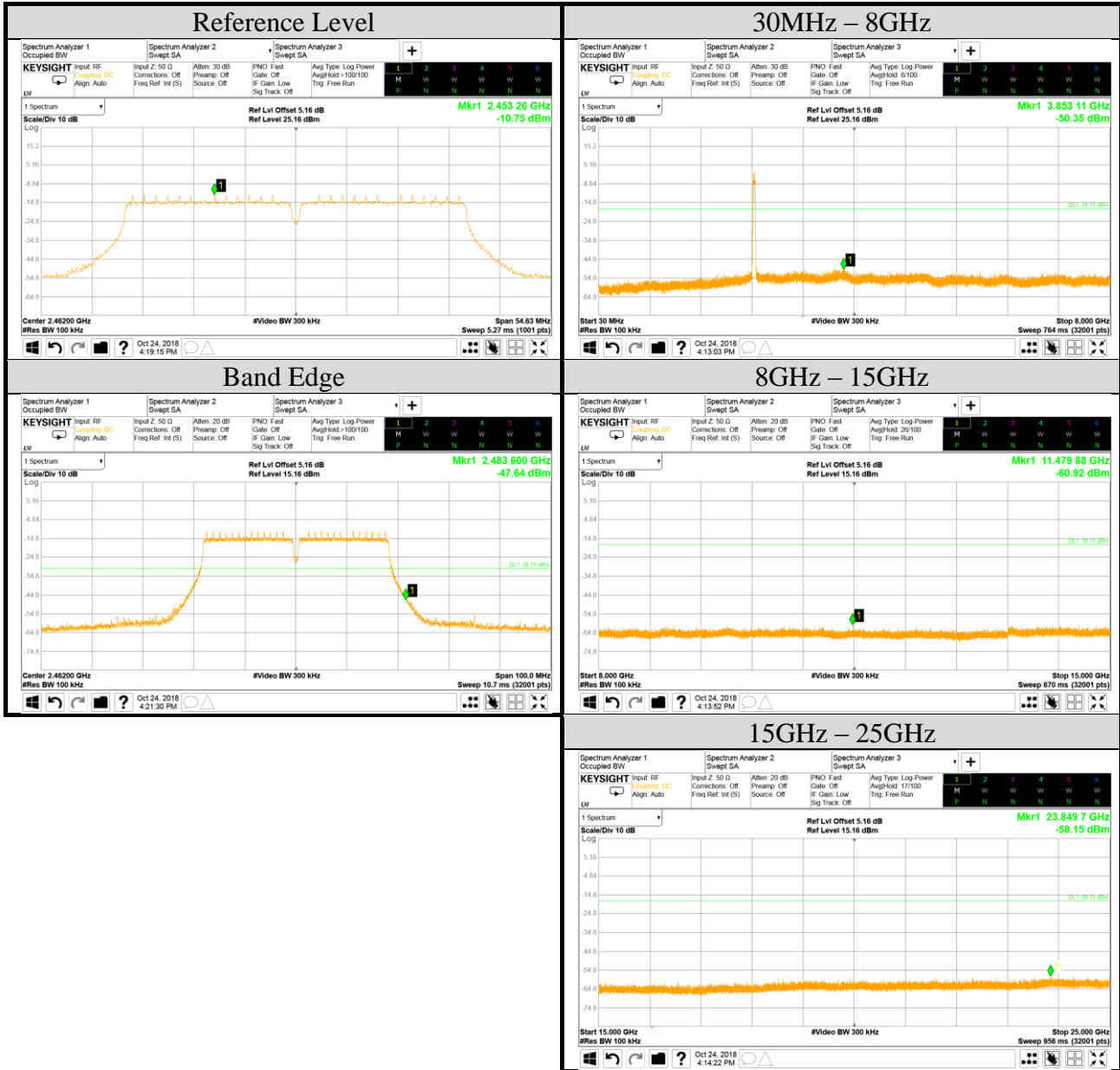
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Frequency	TX 2452MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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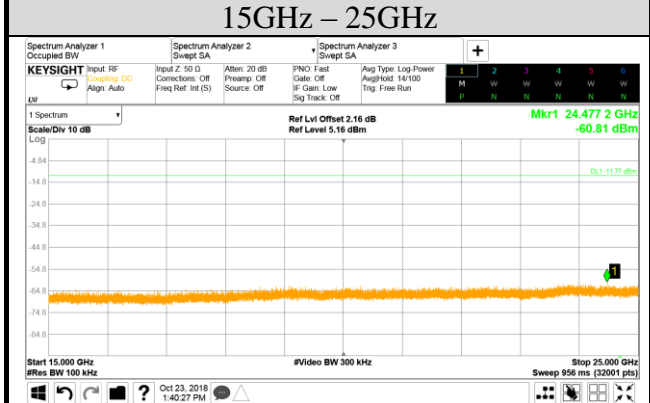
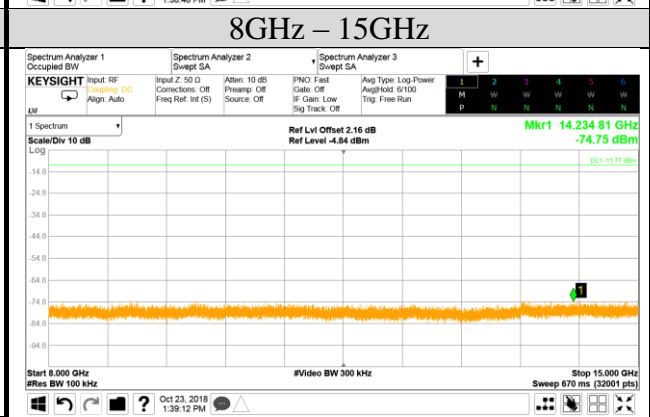
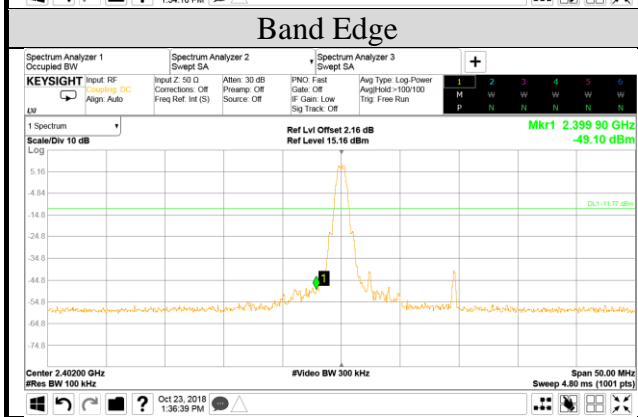
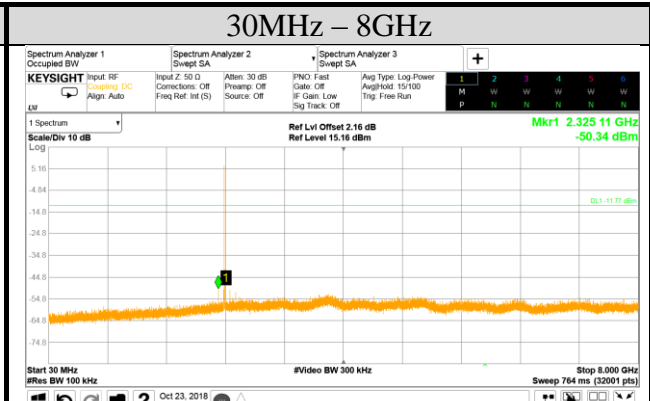
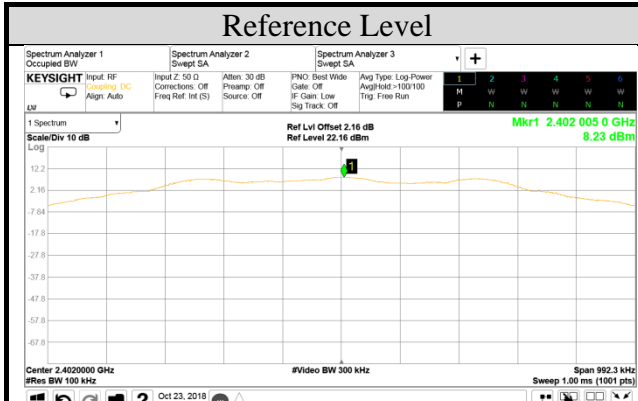
Test Date	2018/10/24	Temp./Hum.	24°C/52%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	802.11n-HT40	Frequency	TX 2462MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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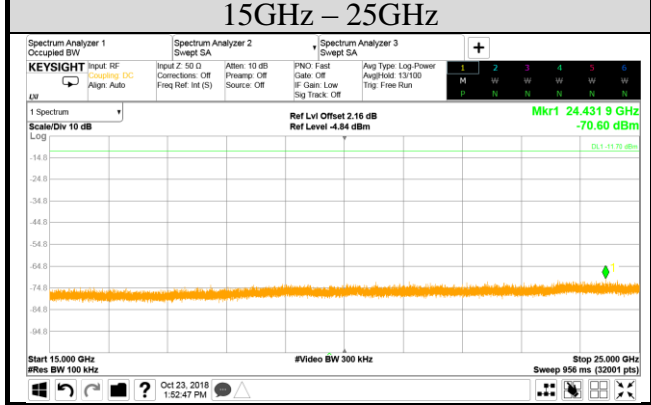
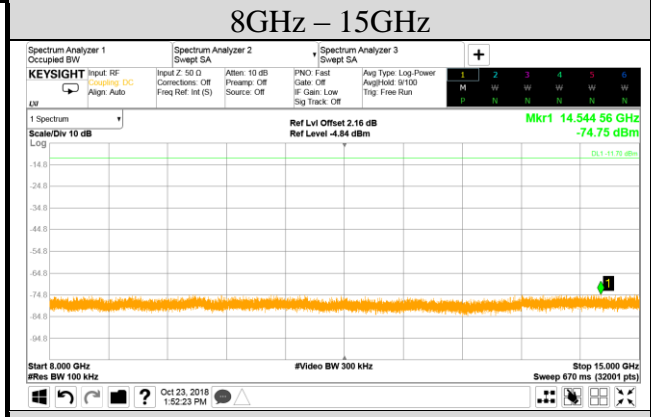
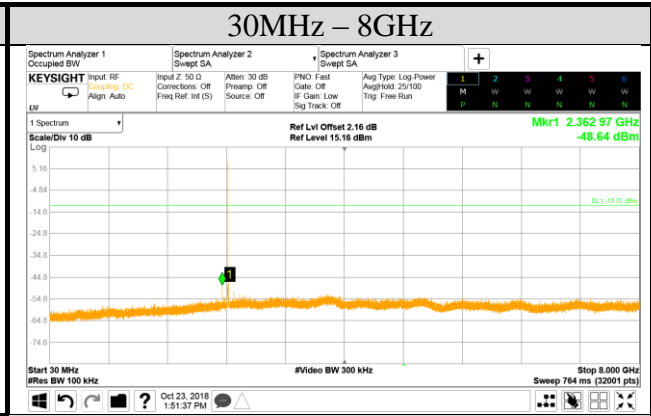
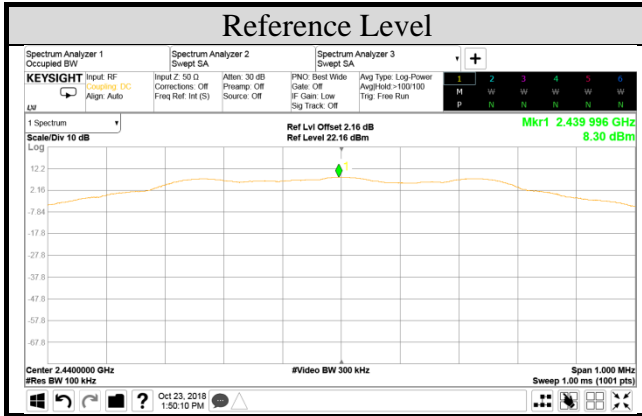
Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Frequency	TX 2402MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Frequency	TX 2440MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



Test Date	2018/10/23	Temp./Hum.	23°C/55%
Cable Loss	2.16dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)
Mode	BLE	Frequency	TX 2480MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)	0		

