



AUDIX Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
New Taipei City 244, Taiwan

APPENDIX A

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APPENDIX A

TEST PLOTS

(Model: 15Z970)

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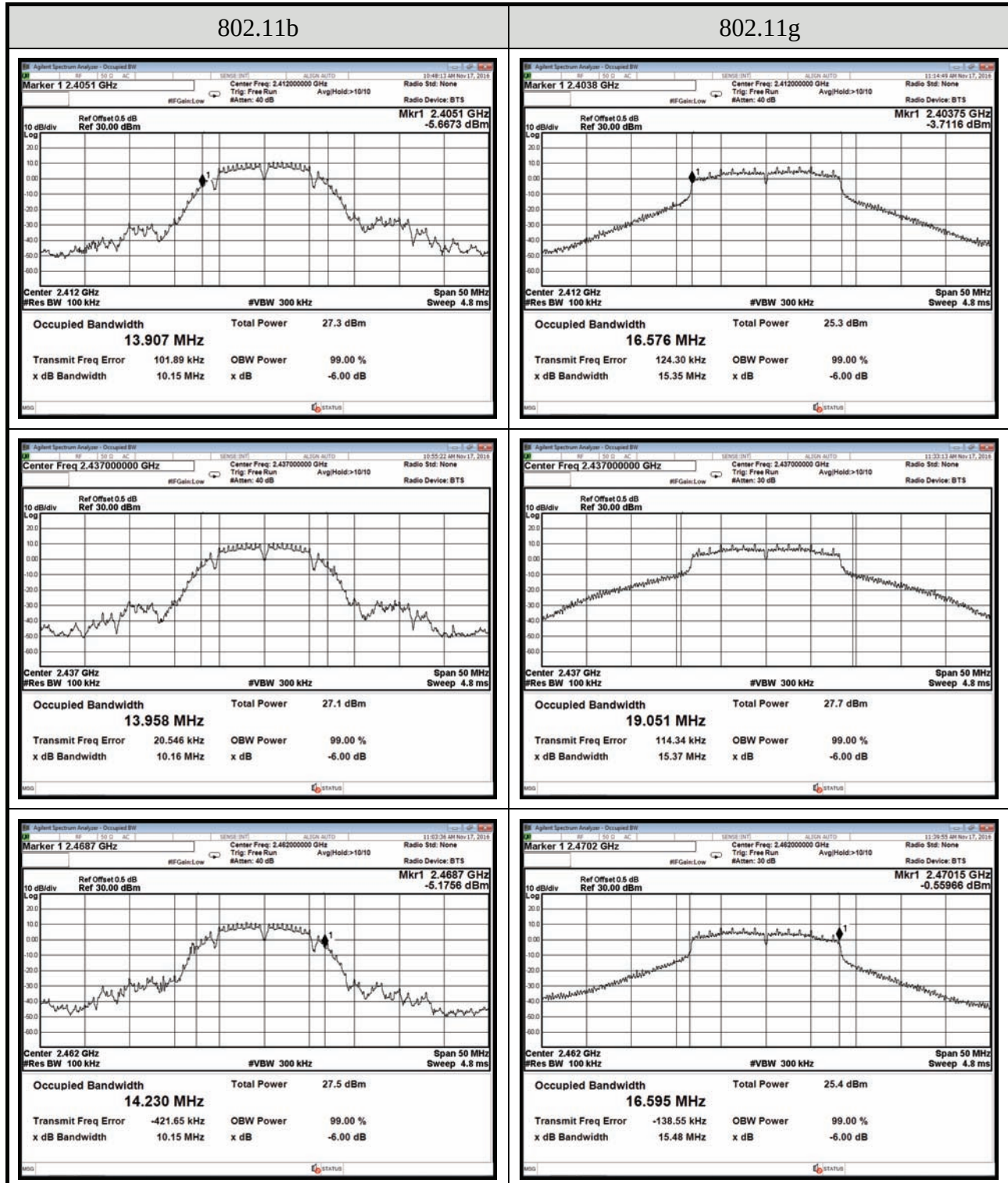
A.1 6dB BANDWIDTH MEASUREMENT

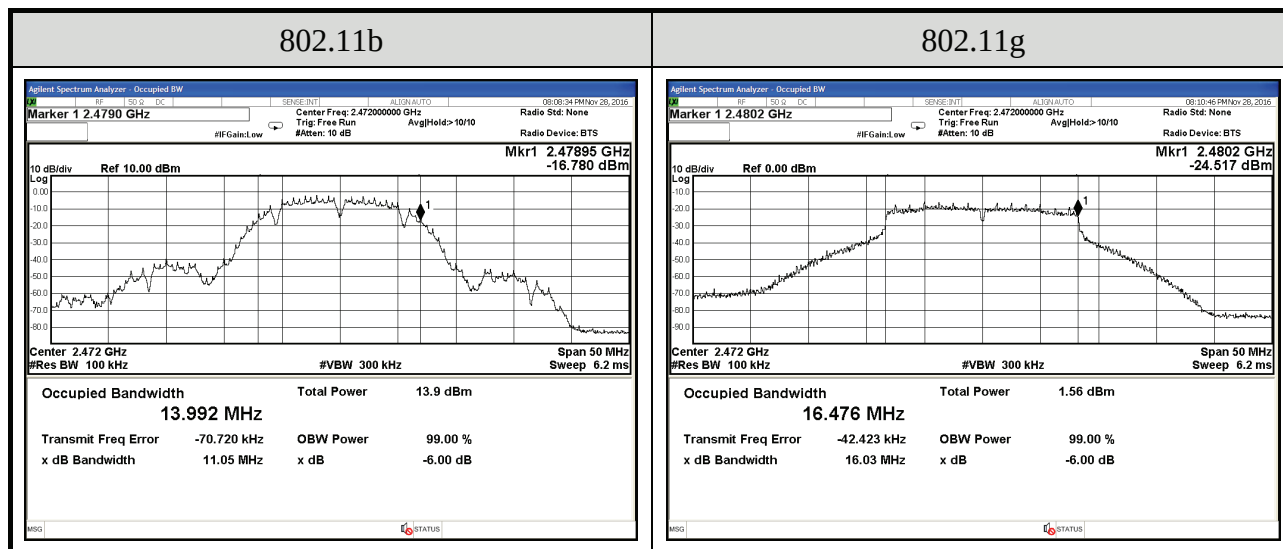
Test Date	2016/11/17 ~ 28	Temp./Hum.	25°C/58%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

A.1.1 6dB Bandwidth Result

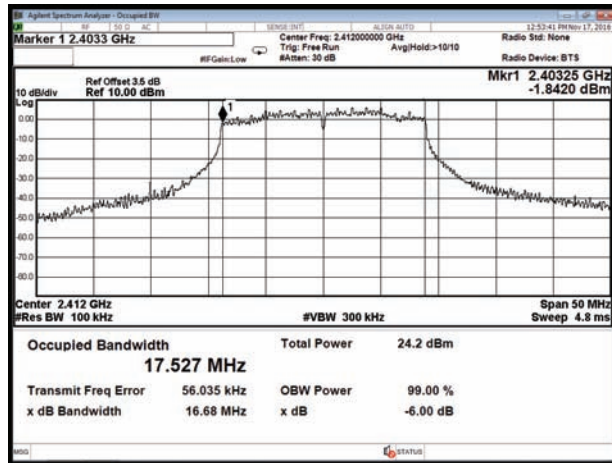
Modulation Type	Centre Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
802.11b	2412	10.15	>500kHz
	2437	10.16	
	2462	10.15	
	2472	11.05	
802.11g	2412	15.35	
	2437	15.37	
	2462	15.48	
	2472	16.03	
802.11n-HT20	2412	16.68	
	2437	17.63	
	2462	16.40	
	2472	16.35	
802.11n-HT40	2422	35.14	
	2437	35.18	
	2452	35.12	
	2462	32.52	
BLE	2402	0.6450	
	2440	0.6573	
	2480	0.6655	

A.1.2 Measurement Plots

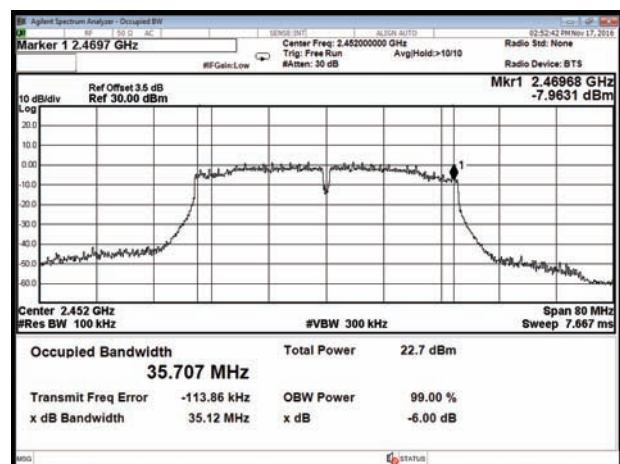
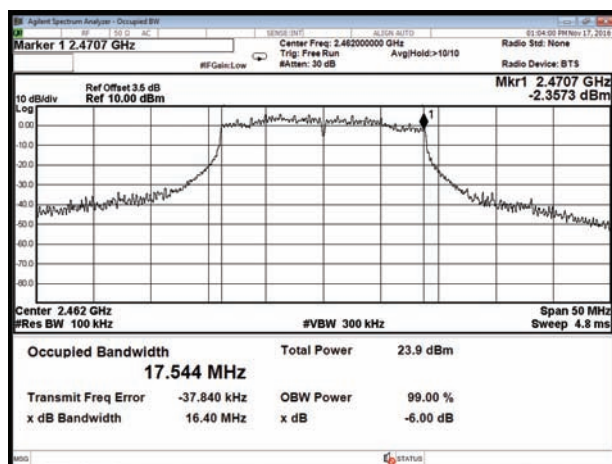
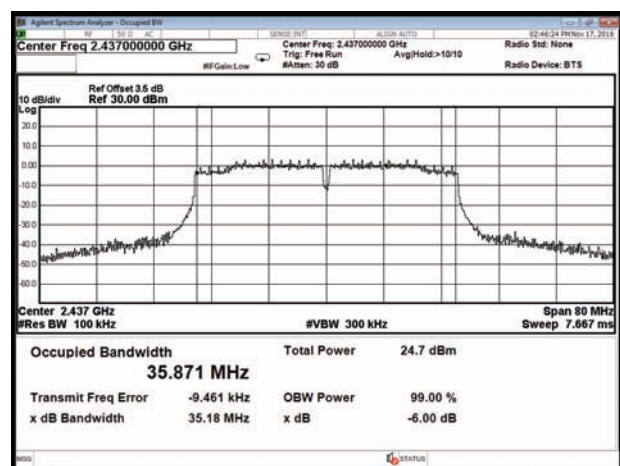
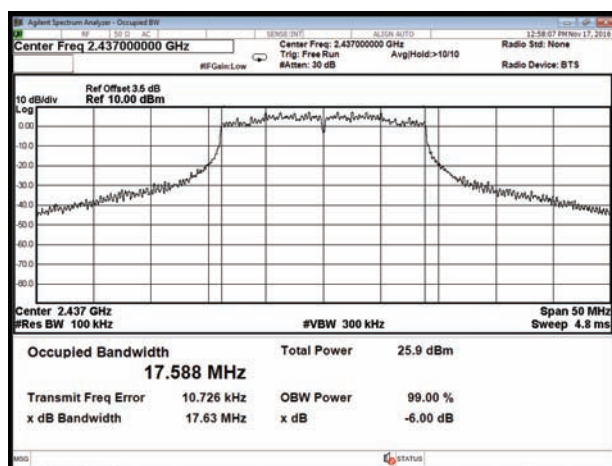
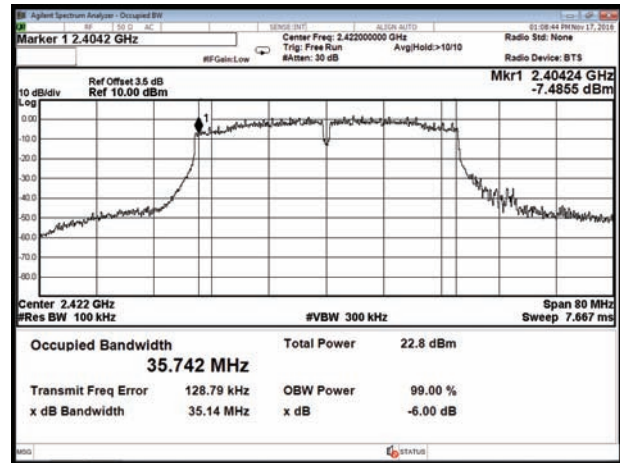


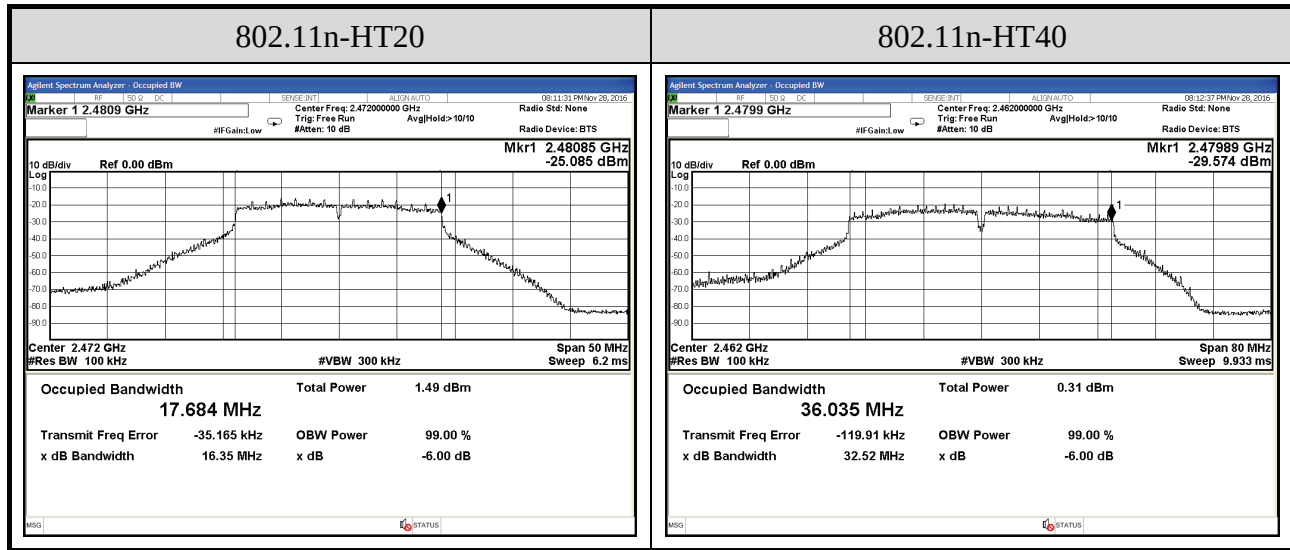


802.11n-HT20



802.11n-HT40

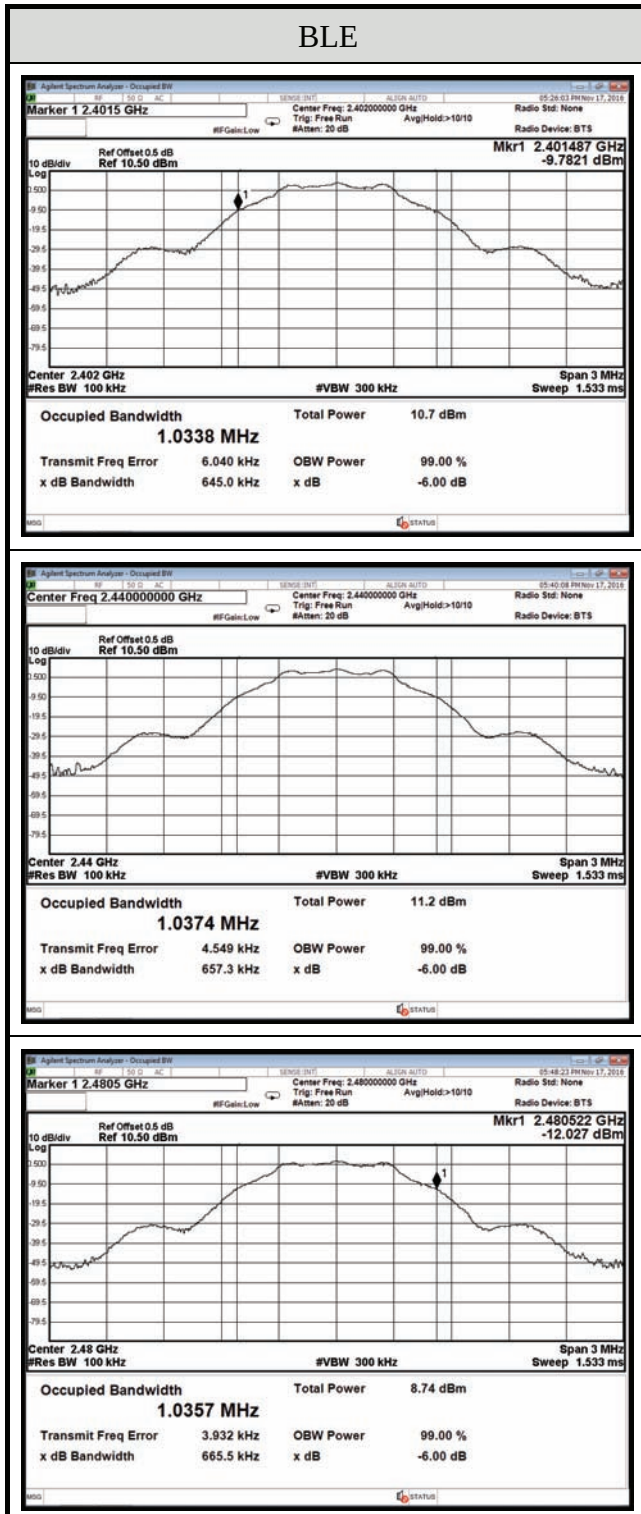




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A.2 MAXIMUM PEAK OUTPUT POWER MEASUREMENT

Test Date	2016/11/17 ~ 28	Temp./Hum.	25°C/58%
Cable Loss	0.5dB	Test Voltage	AC 120V, 60Hz (via AC Adapter)

A.2.1 Peak Output Power

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Maximum Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
802.11b	2412	21.28	21.11	21.28	0.134276	3.82	25.10	0.323594	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2417	21.26	21.13	21.26	0.133660		25.08	0.322107	
	2437	21.29	21.09	21.29	0.134586		25.11	0.324340	
	2457	21.31	21.1	21.31	0.135207		25.13	0.325837	
	2462	21.18	20.05	21.18	0.131220		25.00	0.316228	
	2467	19.04	19.00	19.04	0.080168		22.86	0.193197	
	2472	11.12	10.96	11.12	0.012942		14.94	0.031189	
802.11g	2412	21.72	21.51	21.72	0.148594		25.54	0.358096	
	2417	22.23	22.17	22.23	0.167109		26.05	0.402717	
	2437	22.3	22.22	22.30	0.169824		26.12	0.409261	
	2457	22.29	22.25	22.29	0.169434		26.11	0.408319	
	2462	21.17	20.96	21.17	0.130918		24.99	0.315500	
	2467	17.03	16.01	17.03	0.050466		20.85	0.121619	
	2472	3.75	3.06	3.75	0.002371		7.57	0.005715	
802.11n-HT20	2412	18.46	18.46	21.47	0.140281		25.29	0.338065	
	2417	19.36	18.68	22.04	0.159956		25.86	0.385478	
	2437	19.37	18.72	22.07	0.161065		25.89	0.388150	
	2457	19.35	18.74	22.07	0.161065		25.89	0.388150	
	2462	17.24	17.28	20.27	0.106414		24.09	0.256448	
	2467	16.71	16.19	19.47	0.088512		23.29	0.213304	
	2472	-0.61	-0.32	2.55	0.001799		6.37	0.004335	
802.11n-HT40	2422	15.23	15.56	18.41	0.069343		22.23	0.167109	
	2427	17.12	17.36	20.25	0.105925		24.07	0.255270	
	2437	17.15	17.52	20.35	0.108393		24.17	0.261216	
	2447	17.09	17.49	20.30	0.107152		24.12	0.258226	
	2452	15.34	15.23	18.30	0.067608		22.12	0.162930	
	2457	15.79	16.70	19.28	0.084723		23.10	0.204174	
	2462	-2.18	-2.46	0.69	0.001172		4.51	0.002825	

Note: The results have been included cable loss.

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Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Maximum Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)		Limit
		Chain 0	Chain 1	(dBm)	(W)		(dBm)	(W)	
BLE	2402	4.287	--	4.287	0.002683	2.70	6.99	0.005000	< 30dBm (1W) (Maximum Peak Output Power) < 36dBm (4W) (E.I.R.P)
	2440	4.633	--	4.633	0.002906		7.33	0.005408	
	2480	2.299	--	2.299	0.001698		5.00	0.003162	

Note: The results have been included cable loss.

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A.2.2 Average Output Power (Reporting only)

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		10log (1/X)	Maximum Output Power		Antenna Gain (dBi)	Output Power (E.I.R.P.)	
		Chain 0	Chain 1		(dBm)	(W)		(dBm)	(W)
802.11b	2412	18.85	18.84	0	18.85	0.076736	3.82	22.67	0.184927
	2417	18.91	18.89		18.91	0.077804		22.73	0.187499
	2437	18.99	18.98		18.99	0.079250		22.81	0.190985
	2457	18.95	18.93		18.95	0.078524		22.77	0.189234
	2462	18.96	17.48		18.96	0.078705		22.78	0.189671
	2467	16.53	16.42		16.53	0.044978		20.35	0.108393
	2472	8.62	8.47		8.62	0.007278		12.44	0.017539
802.11g	2412	17.06	16.93	0	17.06	0.050816		20.88	0.122462
	2417	19.03	18.97		19.03	0.079983		22.85	0.192752
	2437	19.06	19.00		19.06	0.080538		22.88	0.194089
	2457	19.09	19.02		19.09	0.081096		22.91	0.195434
	2462	16.49	16.00		16.49	0.044566		20.31	0.107399
	2467	11.57	10.52		11.57	0.014355		15.39	0.034594
	2472	-1.98	-2.49		-1.98	0.000634		1.84	0.001528
802.11n-HT20	2412	12.84	12.79	0.13228 266	15.96	0.039446		19.78	0.095060
	2417	14.04	13.20		16.78	0.047643		20.60	0.114815
	2437	14.07	13.25		16.82	0.048084		20.64	0.115878
	2457	14.08	13.23		16.82	0.048084		20.64	0.115878
	2462	11.69	11.70		14.84	0.030479		18.66	0.073451
	2467	10.69	10.30		13.64	0.023121		17.46	0.055719
	2472	-6.16	-5.98		-2.93	0.000509		0.89	0.001227
802.11n-HT40	2422	10.50	10.92	0.26872 146	13.99	0.025061		17.81	0.060395
	2427	12.49	12.88		15.97	0.039537		19.79	0.095280
	2437	12.56	12.92		16.02	0.039994		19.84	0.096383
	2447	12.62	12.96		16.07	0.040458		19.89	0.097499
	2452	10.61	10.51		13.84	0.024210		17.66	0.058345
	2457	10.98	11.84		14.71	0.029580		18.53	0.071285
	2462	-6.66	-7.02		-3.56	0.000441		0.26	0.001062

Note: The results have been included cable loss presented in section.

A.2.3 Peak Measurement Plots

