ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
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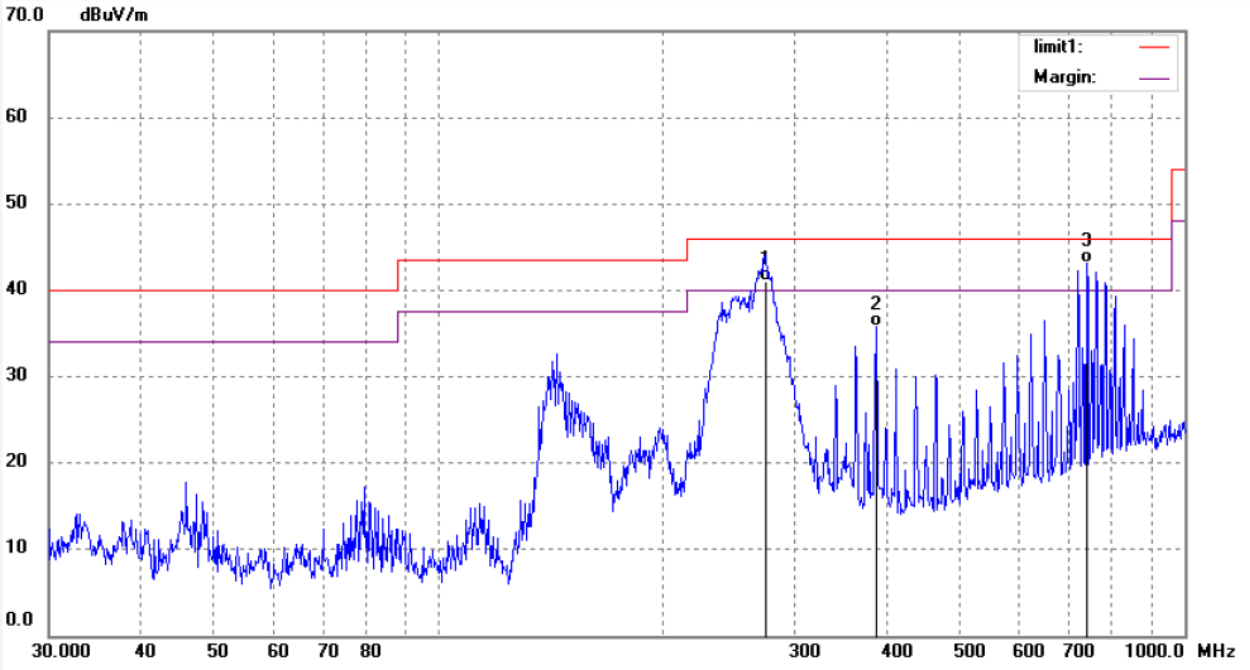
Job No.: Ricky2015 #619	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/24/00
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	274.4464	59.69	-18.57	41.12	46.00	-4.88	QP			
2	385.8982	51.55	-15.76	35.79	46.00	-10.21	QP			
3	739.2136	51.96	-8.85	43.11	46.00	-2.89	QP			

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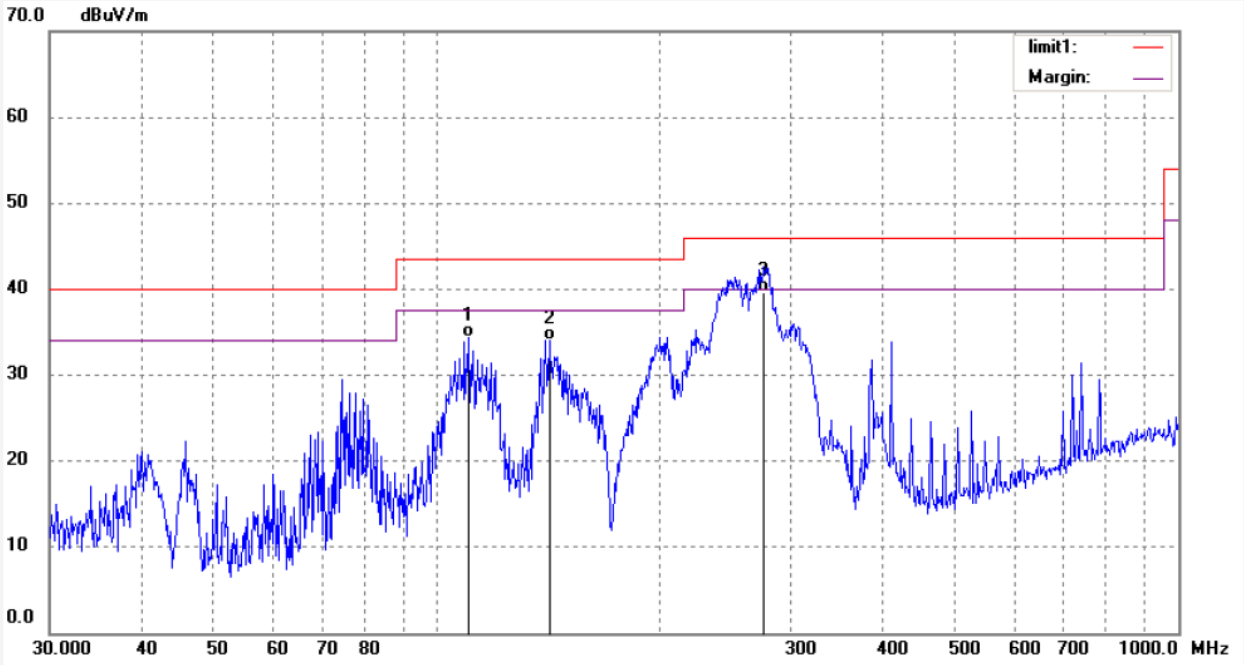
Job No.: Ricky2015 #618	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/23/07
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	110.4693	56.58	-22.18	34.40	43.50	-9.10	QP			
2	141.7694	57.64	-23.56	34.08	43.50	-9.42	QP			
3	276.3818	58.16	-18.48	39.68	46.00	-6.32	QP			

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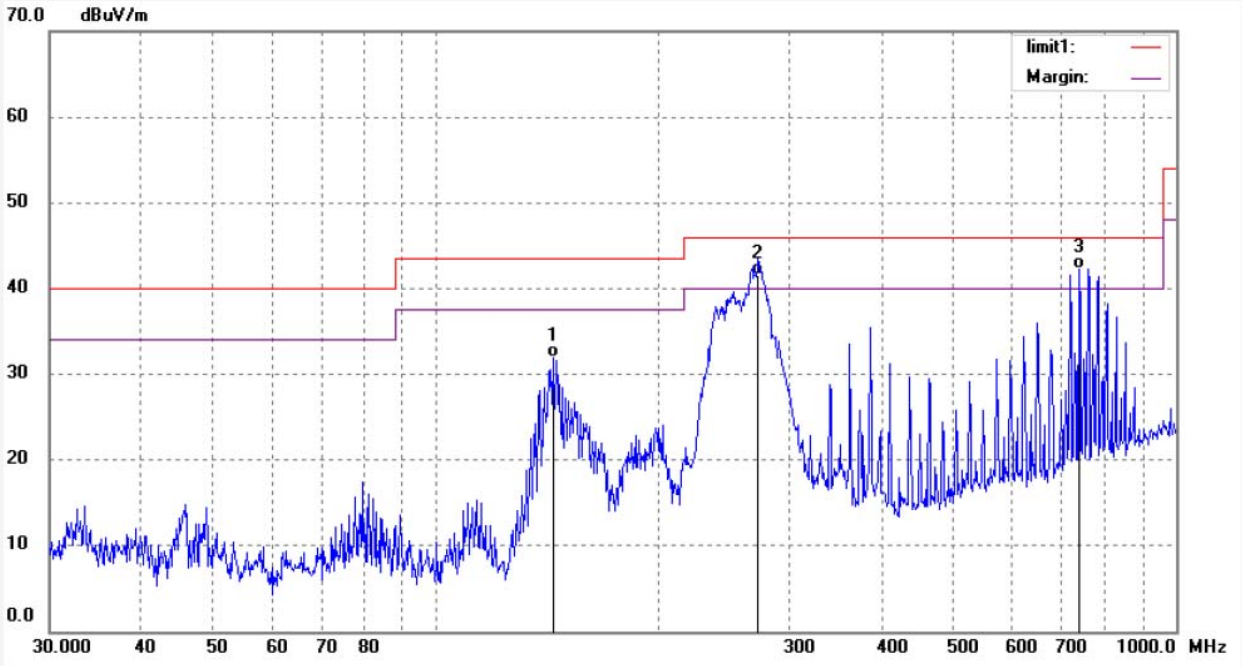
Job No.: Ricky2015 #612	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/12/25
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	143.7760	55.56	-23.64	31.92	43.50	-11.58	QP			
2	272.5246	60.17	-18.62	41.55	46.00	-4.45	QP			
3	739.2136	51.16	-8.85	42.31	46.00	-3.69	QP			

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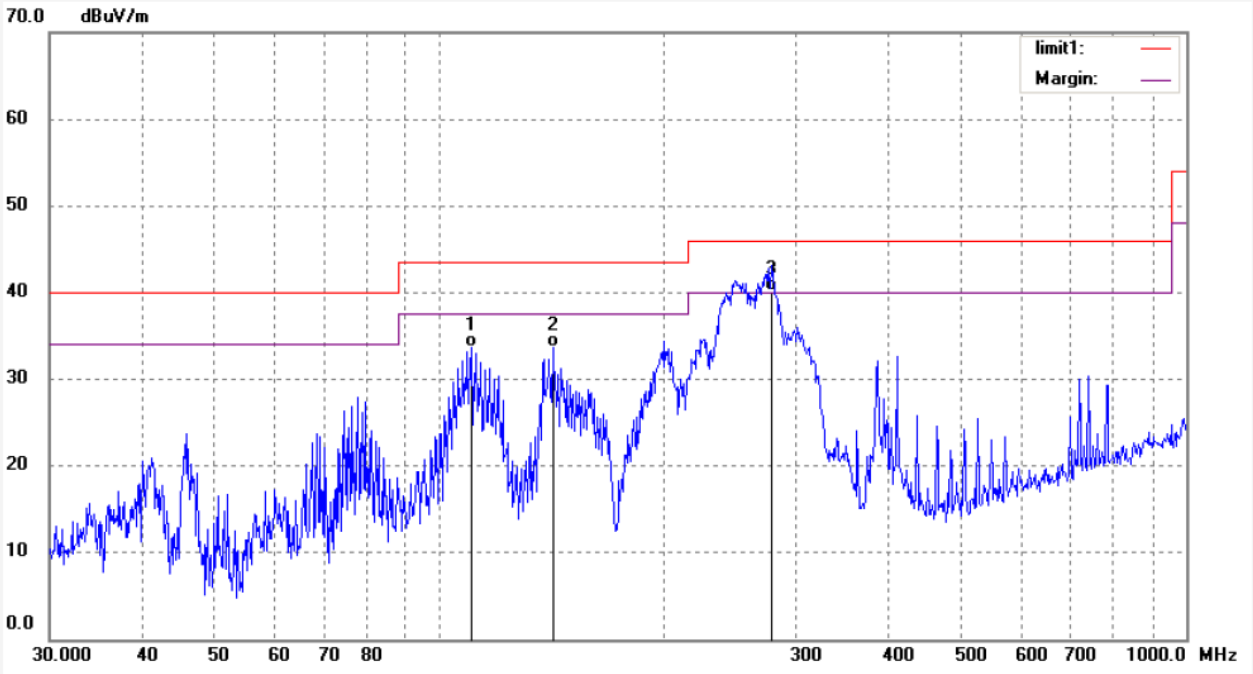
Job No.: Ricky2015 #613	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/13/06
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	110.4693	55.90	-22.18	33.72	43.50	-9.78	QP			
2	141.7694	57.17	-23.56	33.61	43.50	-9.89	QP			
3	278.3308	58.60	-18.38	40.22	46.00	-5.78	QP			

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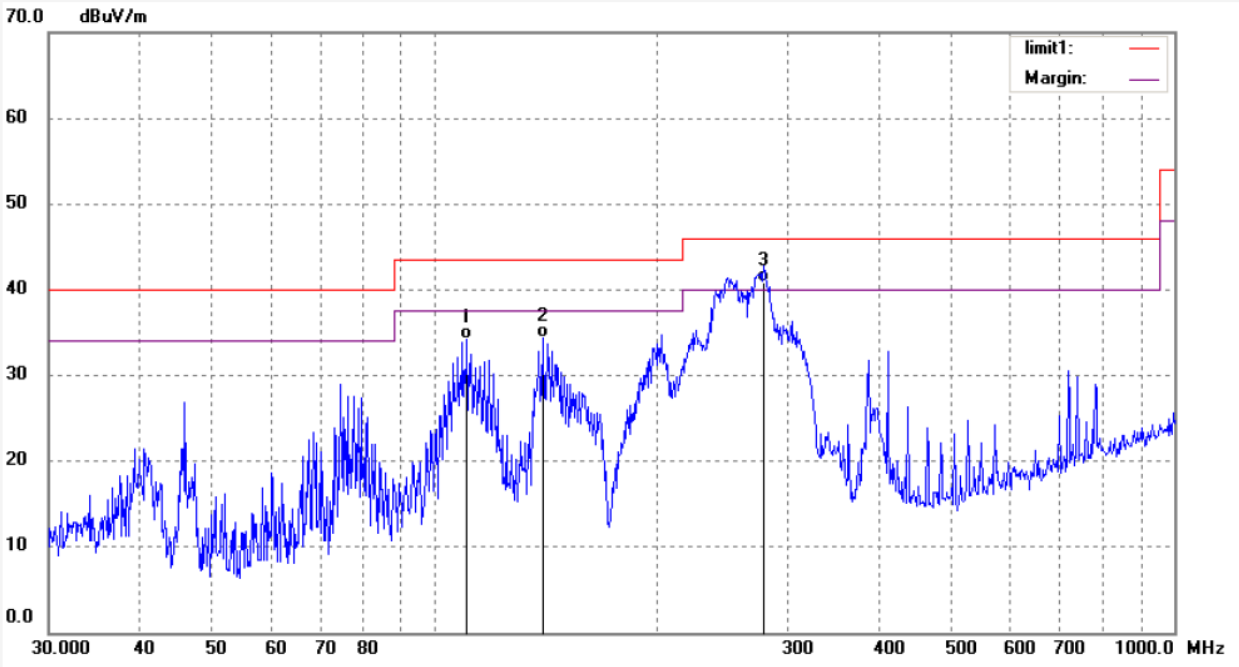
Job No.: Ricky2015 #614	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/15/11
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	110.4693	56.36	-22.18	34.18	43.50	-9.32	QP			
2	139.7909	57.87	-23.47	34.40	43.50	-9.10	QP			
3	278.3308	59.22	-18.38	40.84	46.00	-5.16	QP			

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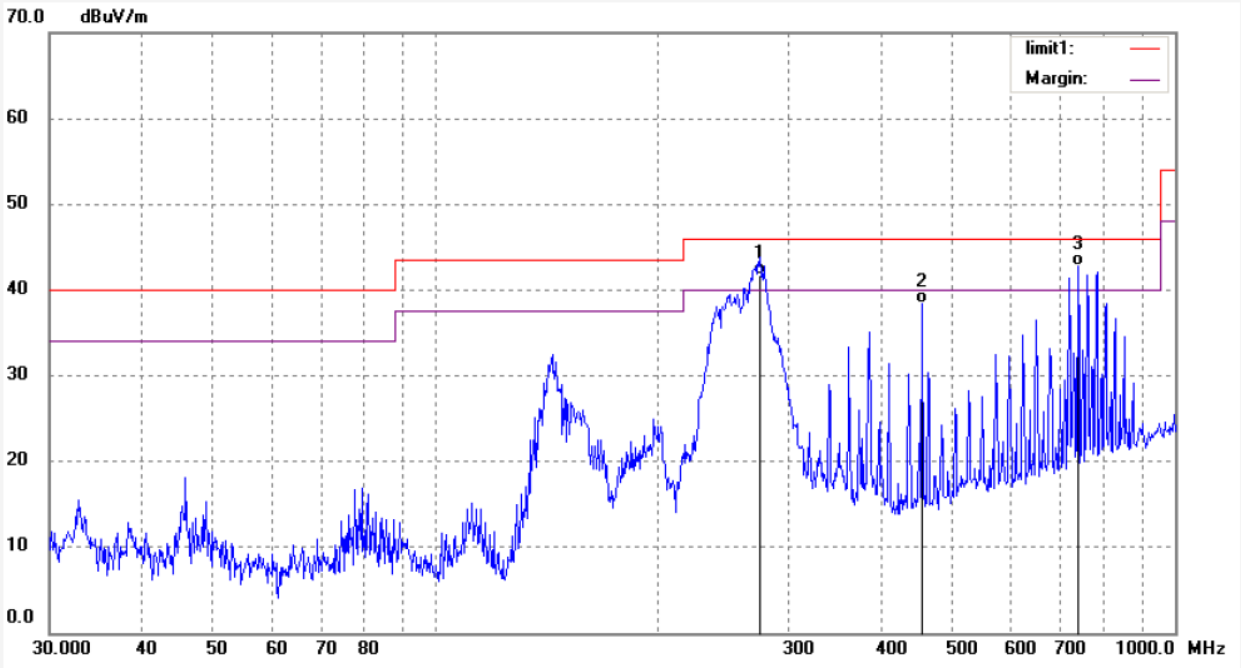
Job No.: Ricky2015 #615	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/16/01
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	274.4464	60.36	-18.57	41.79	46.00	-4.21	QP			
2	455.1888	52.88	-14.55	38.33	46.00	-7.67	QP			
3	739.2136	51.71	-8.85	42.86	46.00	-3.14	QP			

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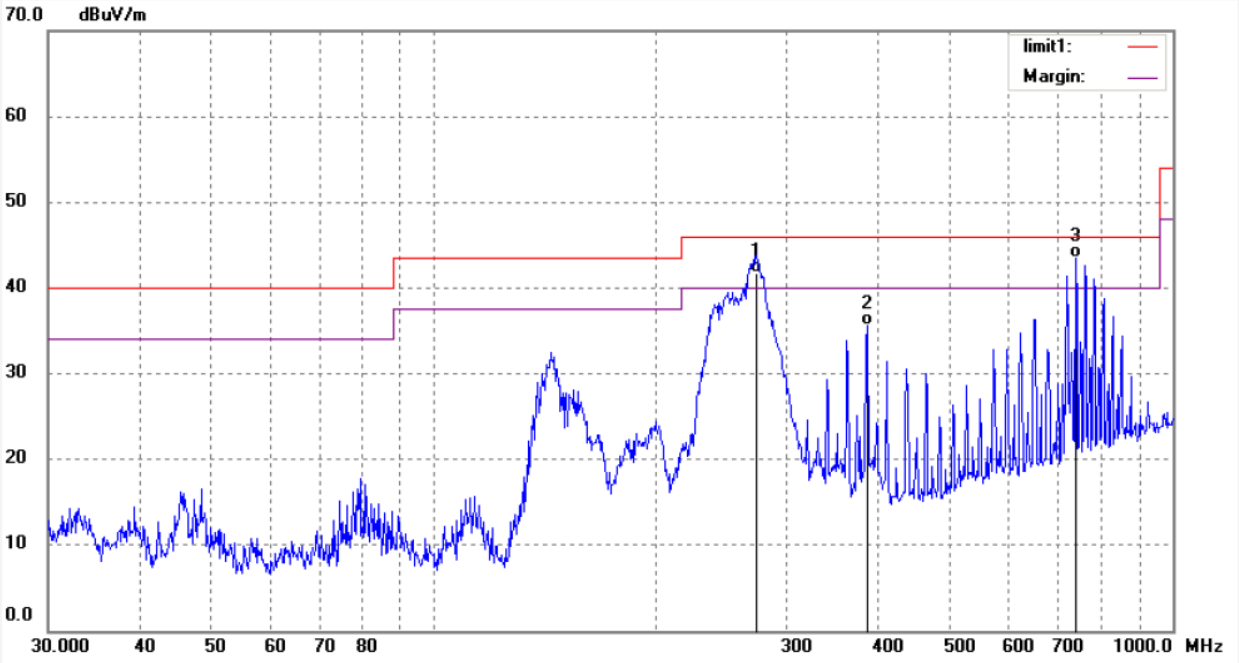
Job No.: Ricky2015 #616	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/19/23
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	273.4838	60.38	-18.59	41.79	46.00	-4.21	QP			
2	385.8982	51.37	-15.76	35.61	46.00	-10.39	QP			
3	739.2136	52.27	-8.85	43.42	46.00	-2.58	QP			

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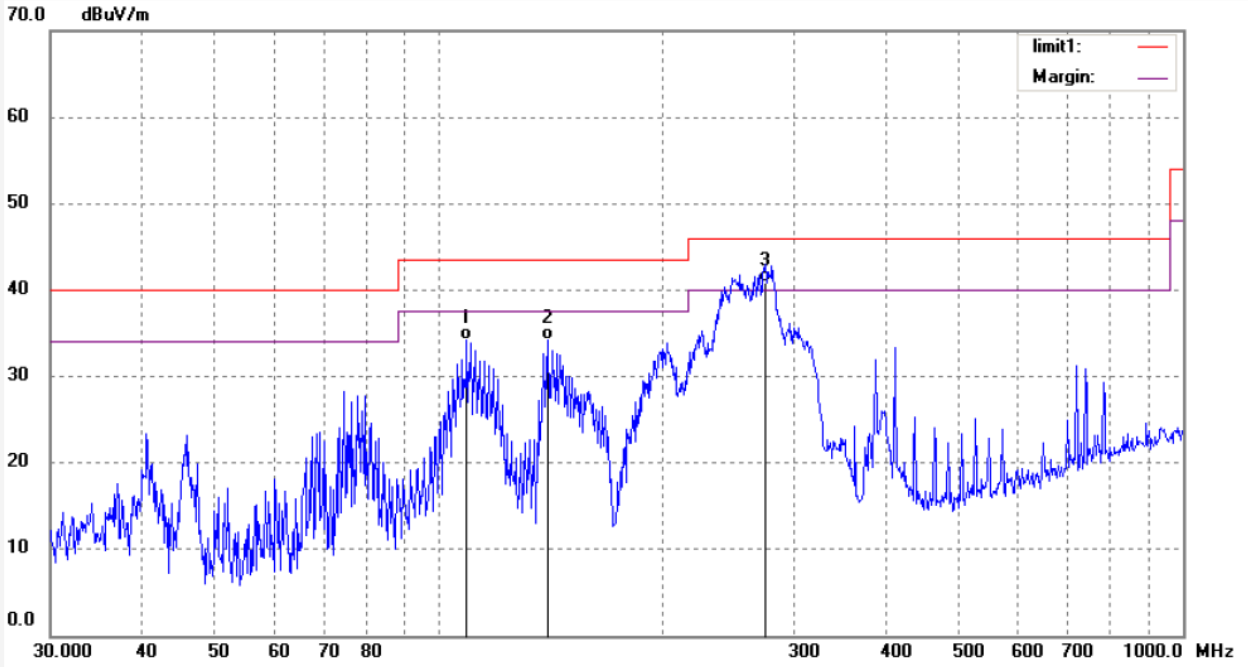
Job No.: Ricky2015 #617	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/14/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/20/23
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.9276	56.50	-22.33	34.17	43.50	-9.33	QP			
2	139.7909	57.69	-23.47	34.22	43.50	-9.28	QP			
3	274.4464	59.49	-18.57	40.92	46.00	-5.08	QP			

Above 1G

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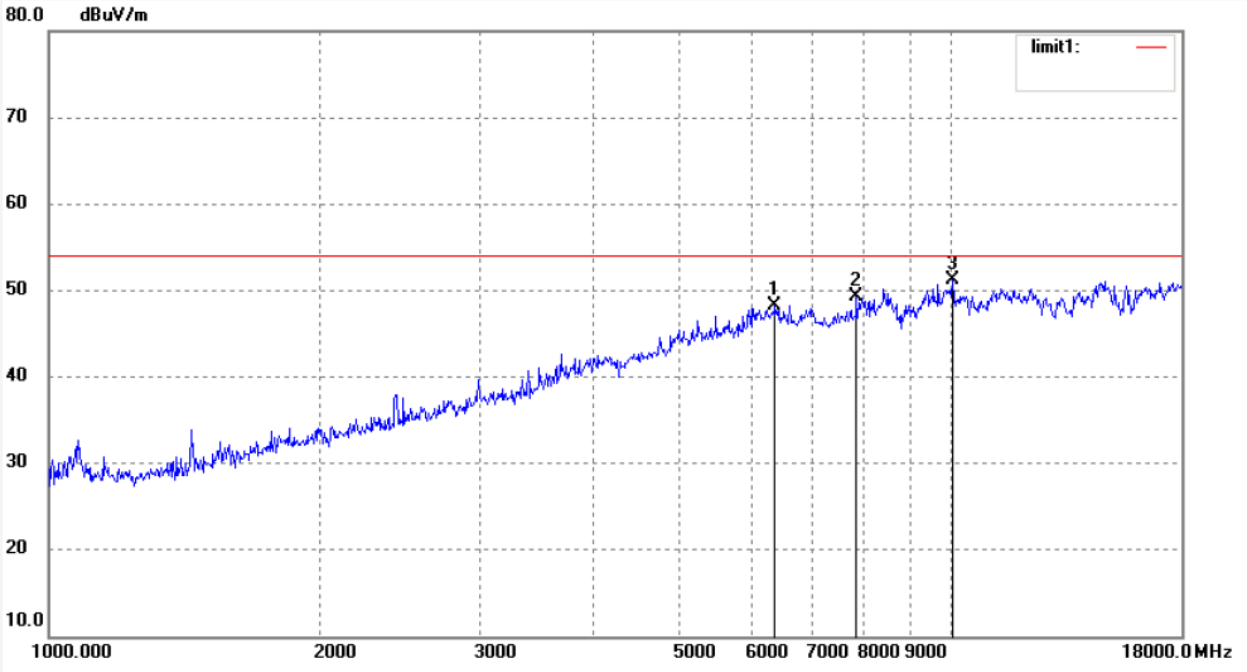
Job No.: Ricky2015 #595	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/30/30
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6377.195	43.87	4.36	48.23	54.00	-5.77	peak			
2	7852.524	42.27	7.06	49.33	54.00	-4.67	peak			
3	10039.393	40.17	10.96	51.13	54.00	-2.87	peak			

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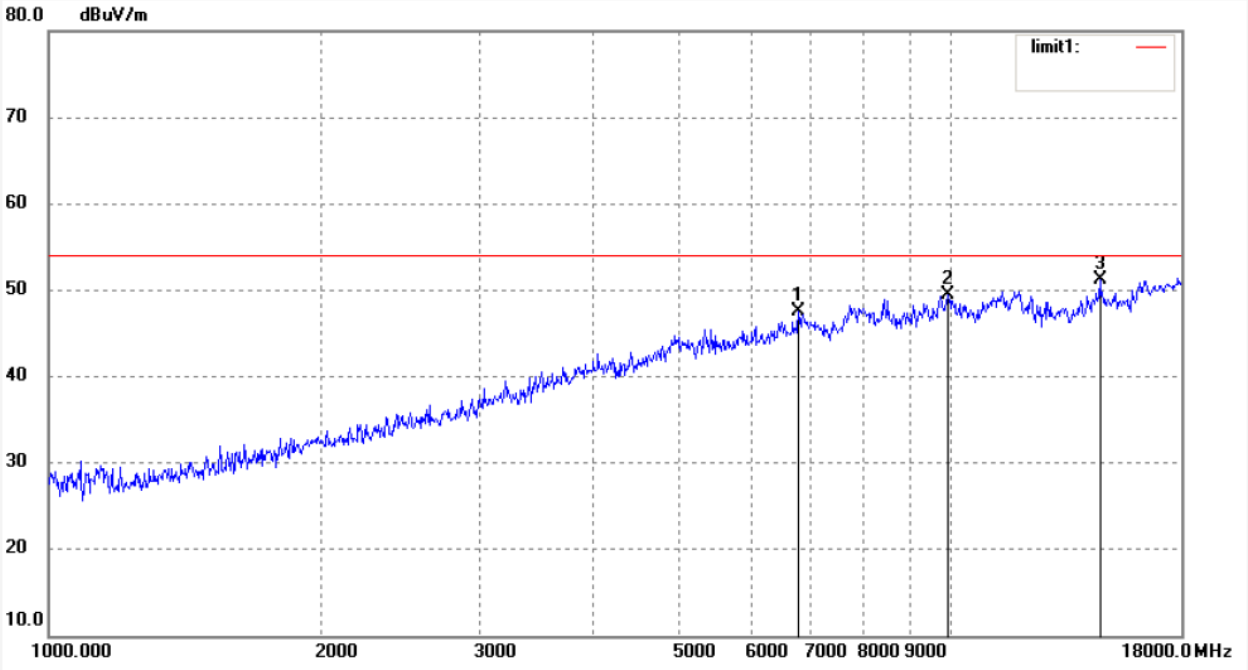
Job No.: Ricky2015 #594	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/28/31
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6776.265	42.32	5.13	47.45	54.00	-6.55	peak			
2	9923.991	38.36	11.02	49.38	54.00	-4.62	peak			
3	14618.166	1.09	50.18	51.27	54.00	-2.73	peak			

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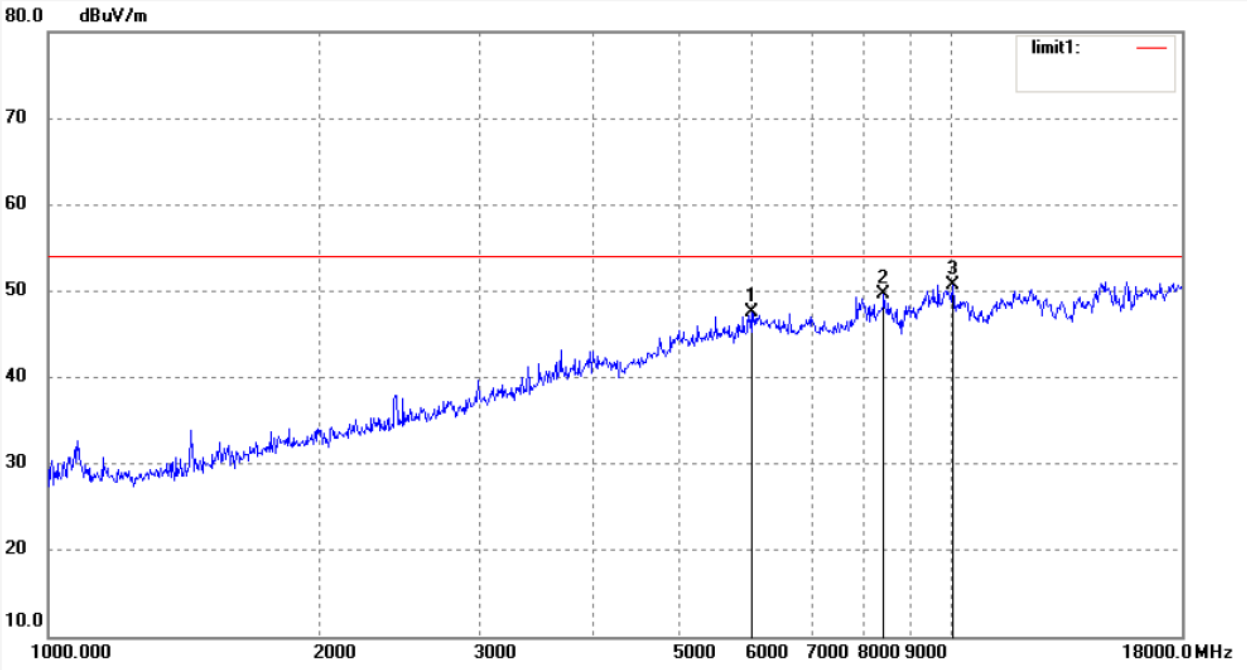
Job No.: Ricky2015 #593	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/26/13
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6001.626	43.97	3.50	47.47	54.00	-6.53	peak			
2	8416.584	40.65	9.02	49.67	54.00	-4.33	peak			
3	10039.393	39.67	10.96	50.63	54.00	-3.37	peak			

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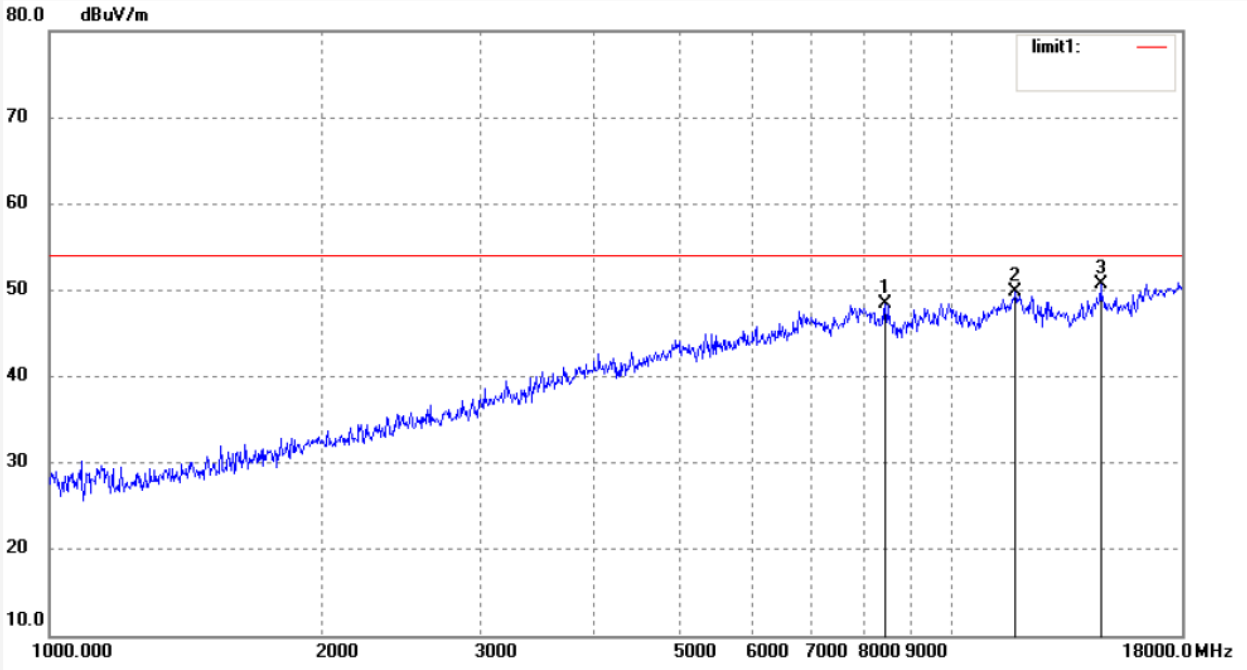
Job No.: Ricky2015 #592	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/24/26
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	8440.946	39.41	8.98	48.39	54.00	-5.61	peak			
2	11769.214	36.64	13.14	49.78	54.00	-4.22	peak			
3	14618.166	0.59	50.18	50.77	54.00	-3.23	peak			

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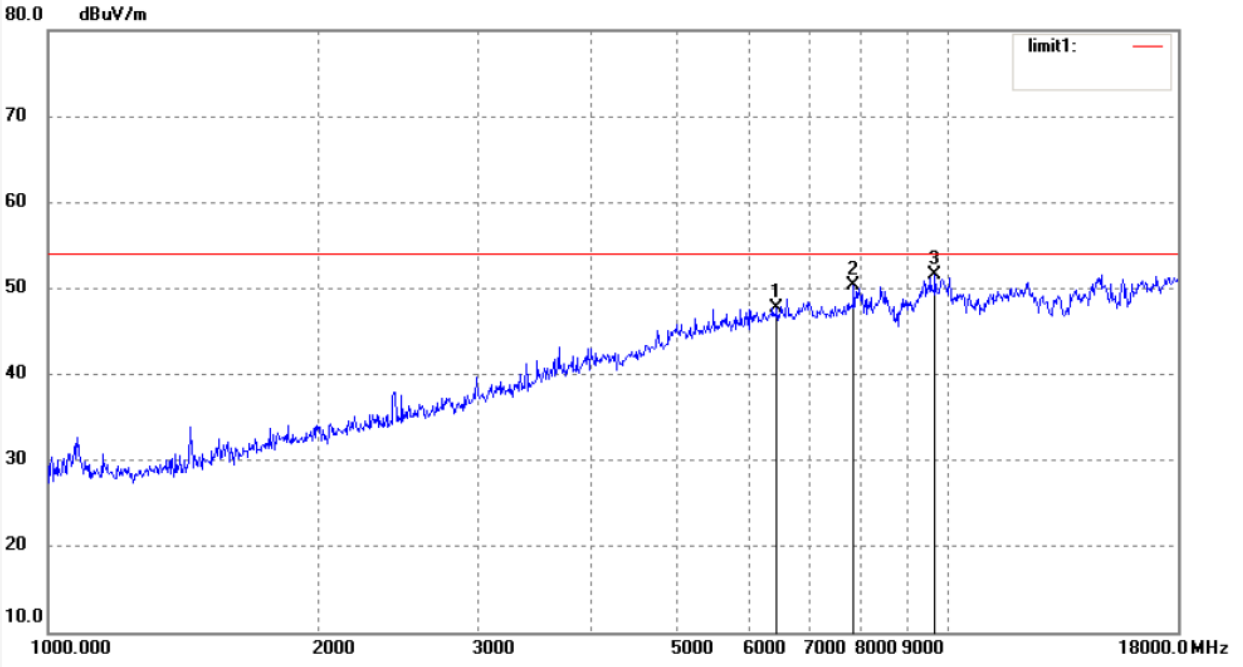
Job No.: Ricky2015 #591	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/22/51
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6451.352	43.29	4.45	47.74	54.00	-6.26	peak			
2	7852.524	43.27	7.06	50.33	54.00	-3.67	peak			
3	9669.164	40.95	10.67	51.62	54.00	-2.38	peak			

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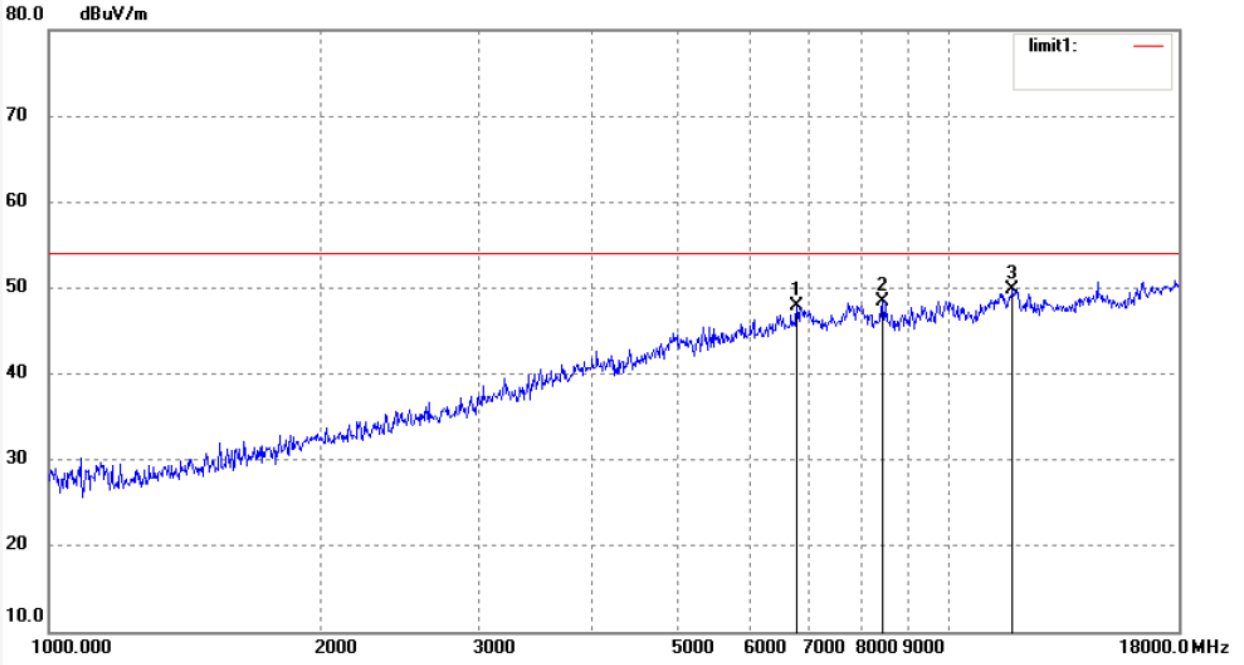
Job No.: Ricky2015 #590	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/20/14
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11b)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6776.265	42.82	5.13	47.95	54.00	-6.05	peak			
2	8440.946	39.41	8.98	48.39	54.00	-5.61	peak			
3	11769.214	36.64	13.14	49.78	54.00	-4.22	peak			

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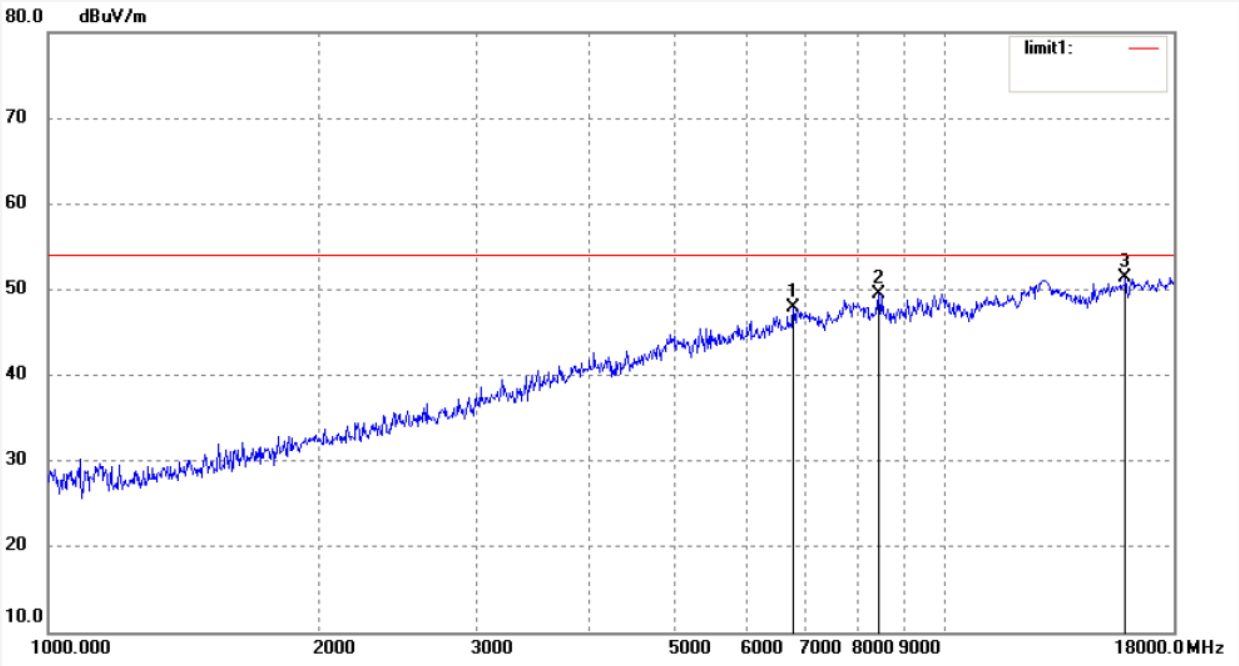
Job No.: Ricky2015 #584	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/09/19
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6776.265	42.82	5.13	47.95	54.00	-6.05	peak			
2	8440.946	40.41	8.98	49.39	54.00	-4.61	peak			
3	15896.290	2.78	48.58	51.36	54.00	-2.64	peak			

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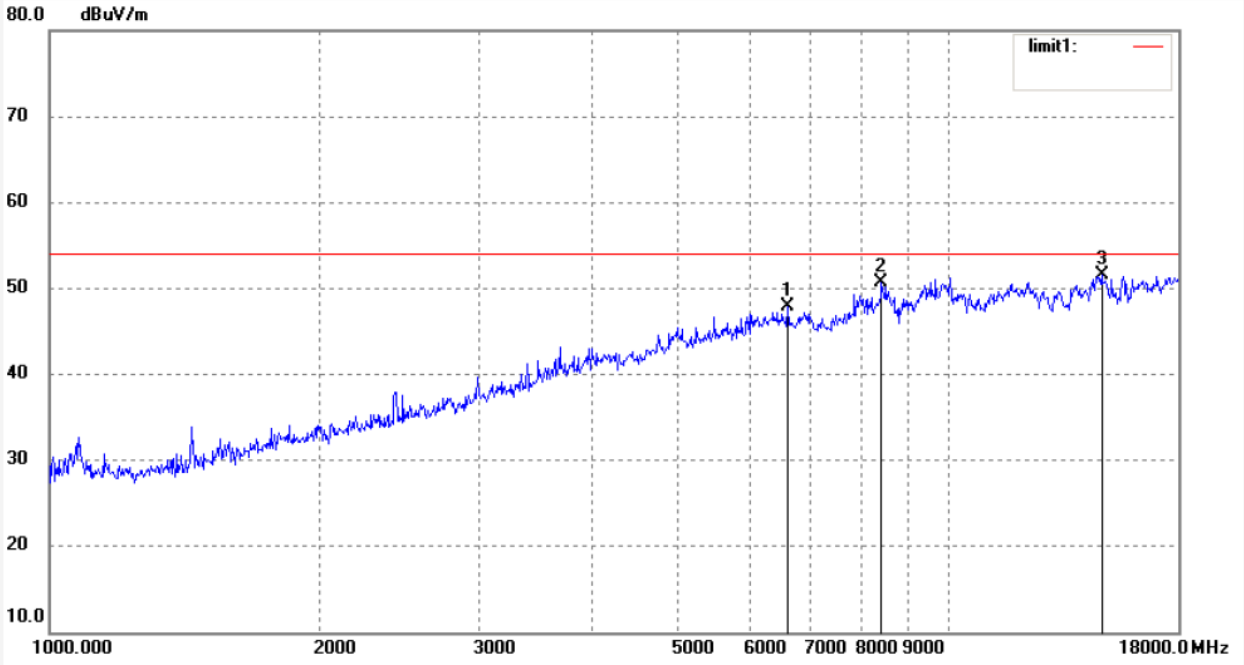
Job No.: Ricky2015 #585	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/10/59
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6621.376	43.29	4.52	47.81	54.00	-6.19	peak			
2	8416.584	41.65	9.02	50.67	54.00	-3.33	peak			
3	14788.154	1.83	49.79	51.62	54.00	-2.38	peak			

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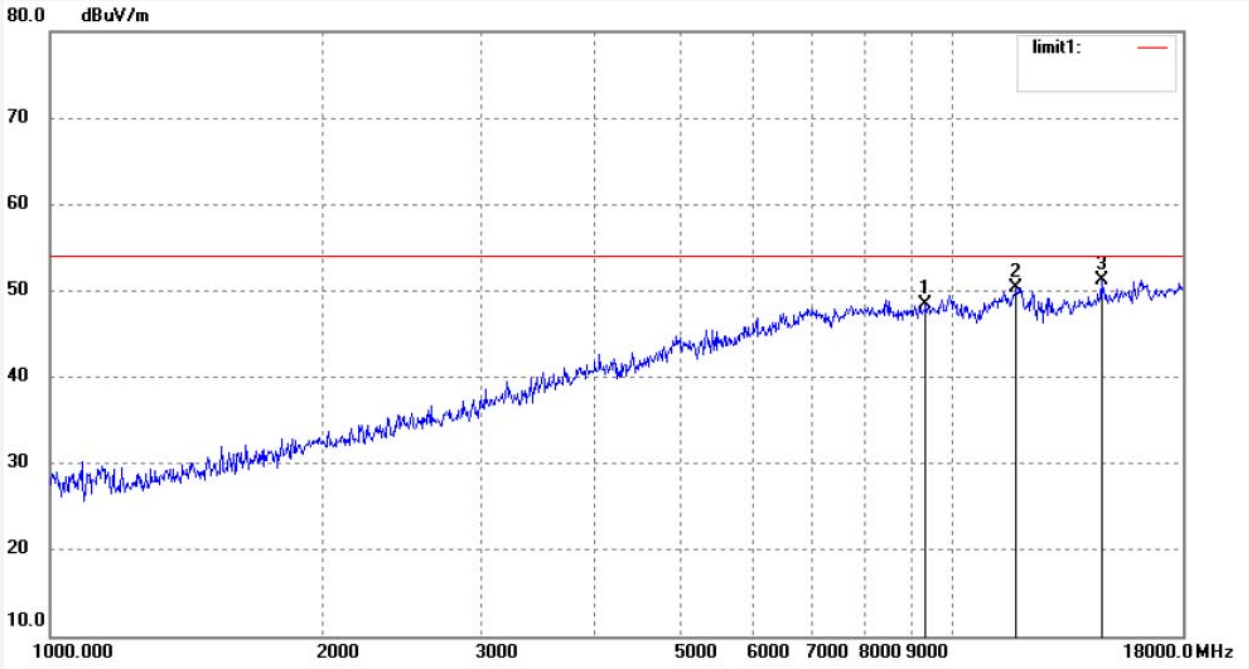
Job No.: Ricky2015 #586	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/12/11
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9339.543	38.29	10.11	48.40	54.00	-5.60	peak			
2	11769.214	37.14	13.14	50.28	54.00	-3.72	peak			
3	14618.166	1.09	50.18	51.27	54.00	-2.73	peak			

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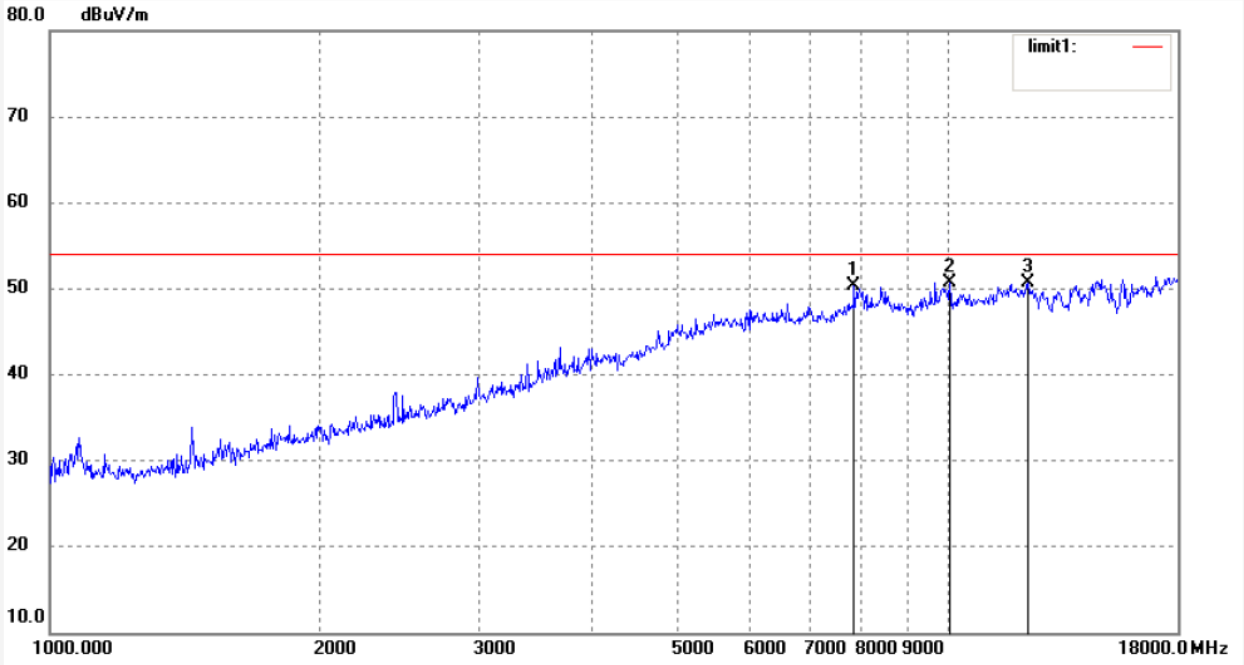
Job No.: Ricky2015 #587	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/14/35
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	7852.524	43.27	7.06	50.33	54.00	-3.67	peak			
2	10039.393	39.67	10.96	50.63	54.00	-3.37	peak			
3	12255.224	5.57	45.06	50.63	54.00	-3.37	peak			

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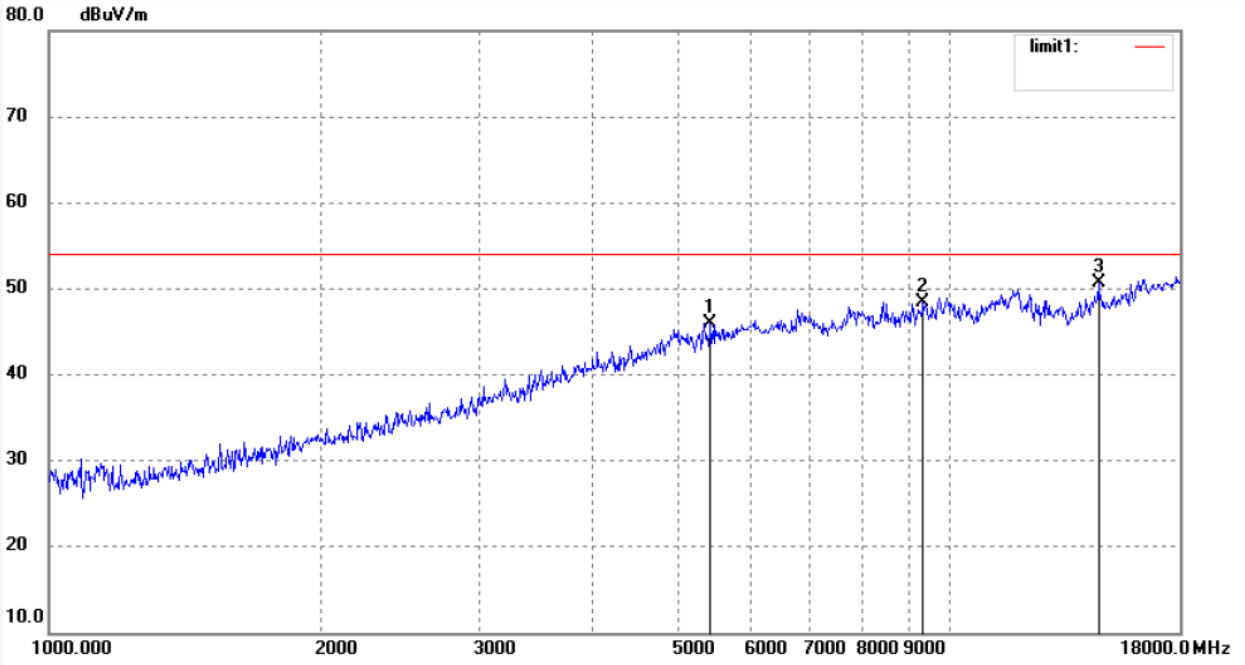
Job No.: Ricky2015 #588	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/16/23
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5424.184	44.14	1.79	45.93	54.00	-8.07	peak			
2	9339.543	38.29	10.11	48.40	54.00	-5.60	peak			
3	14618.166	0.59	50.18	50.77	54.00	-3.23	peak			

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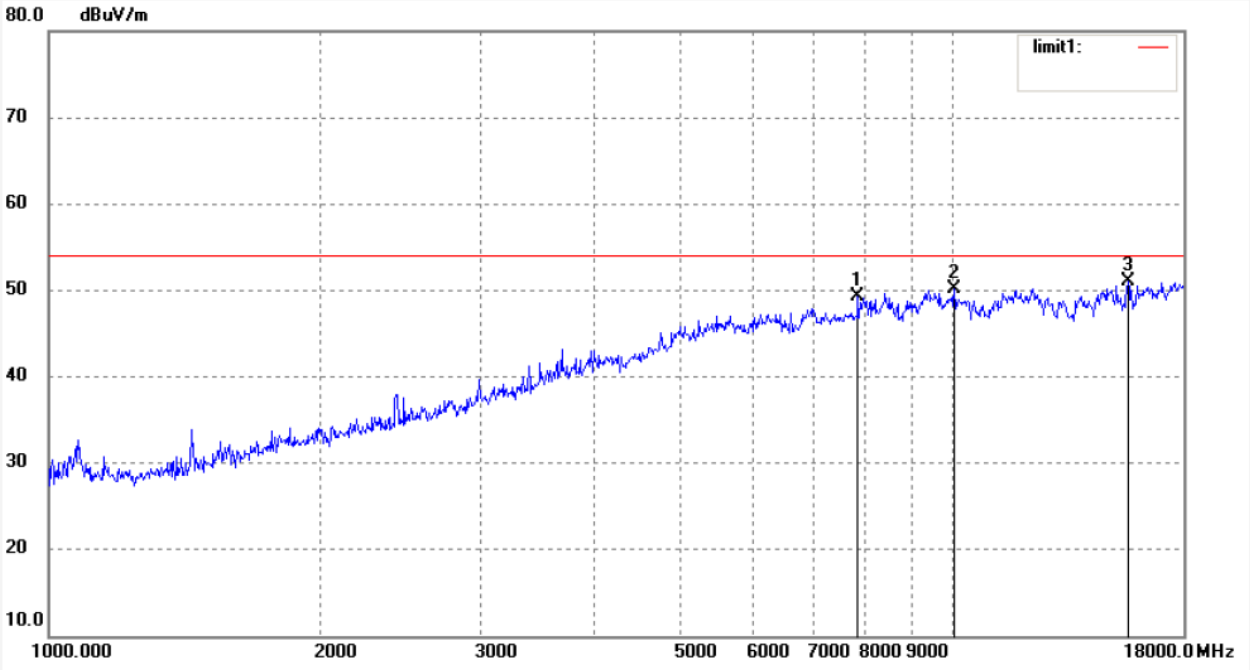
Job No.: Ricky2015 #589	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/18/49
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11g)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	7852.524	42.27	7.06	49.33	54.00	-4.67	peak			
2	10039.393	39.17	10.96	50.13	54.00	-3.87	peak			
3	15622.990	2.42	48.53	50.95	54.00	-3.05	peak			

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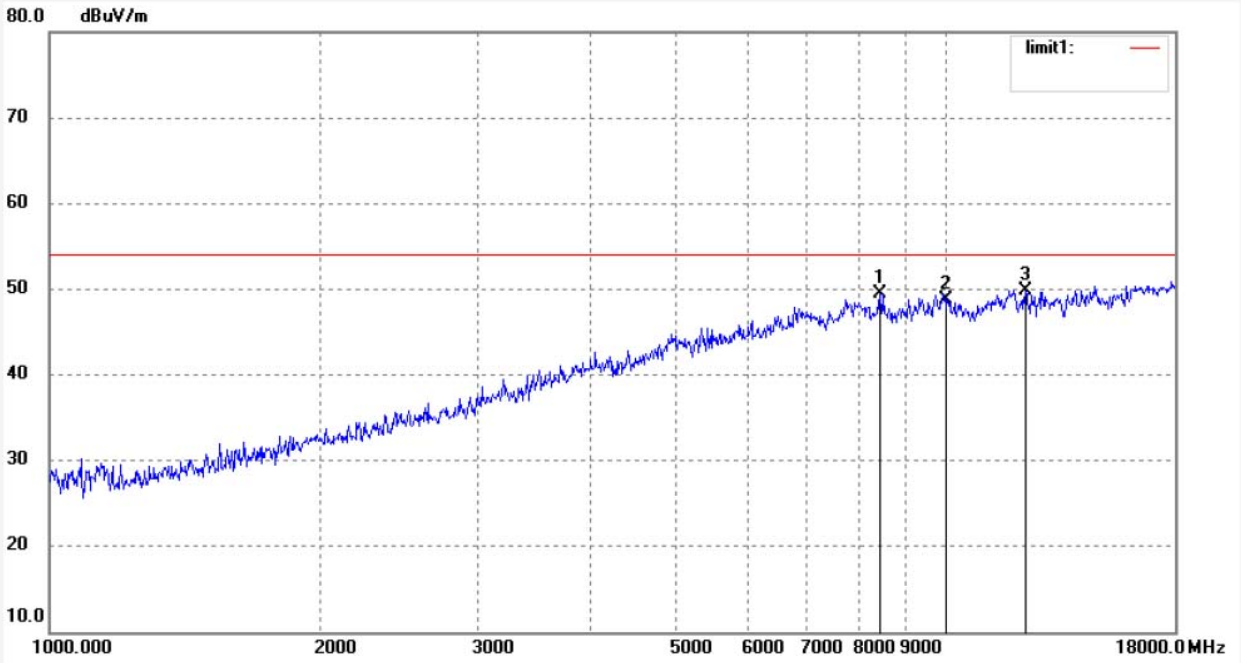
Job No.: Ricky2015 #578	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/57/15
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	8440.946	40.41	8.98	49.39	54.00	-4.61	peak			
2	9981.525	37.62	11.07	48.69	54.00	-5.31	peak			
3	12255.224	4.80	45.06	49.86	54.00	-4.14	peak			

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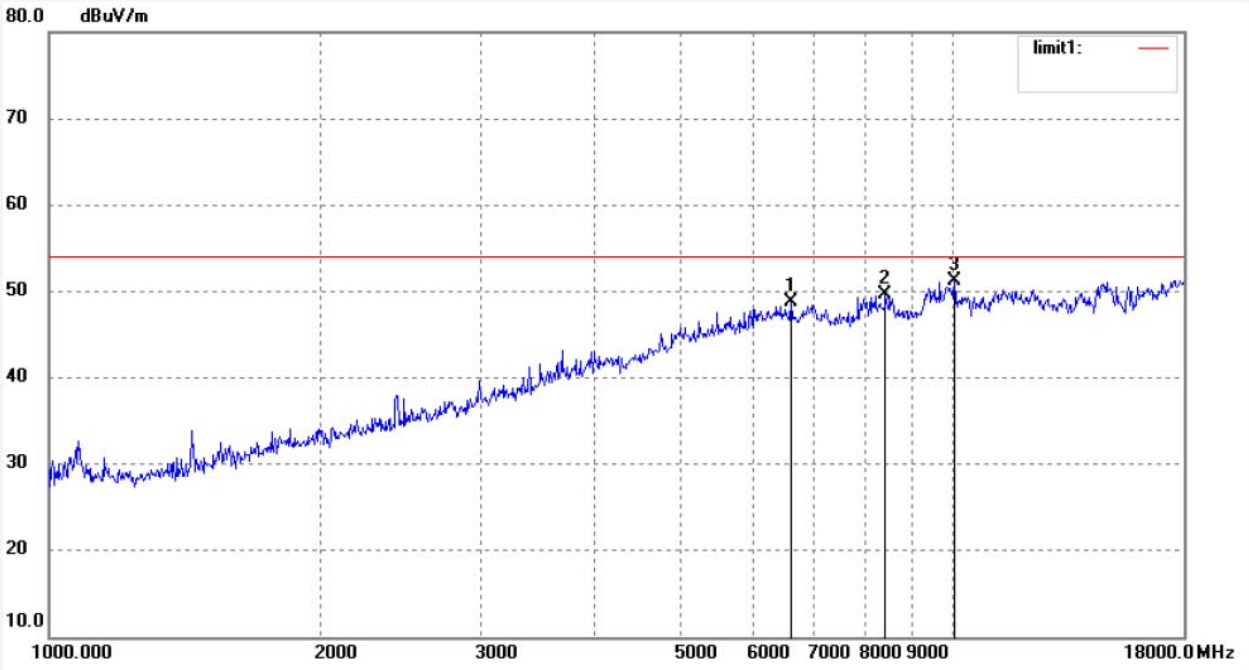
Job No.: Ricky2015 #579	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/59/33
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2412MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6621.376	44.29	4.52	48.81	54.00	-5.19	peak			
2	8416.584	40.65	9.02	49.67	54.00	-4.33	peak			
3	10039.393	40.17	10.96	51.13	54.00	-2.87	peak			

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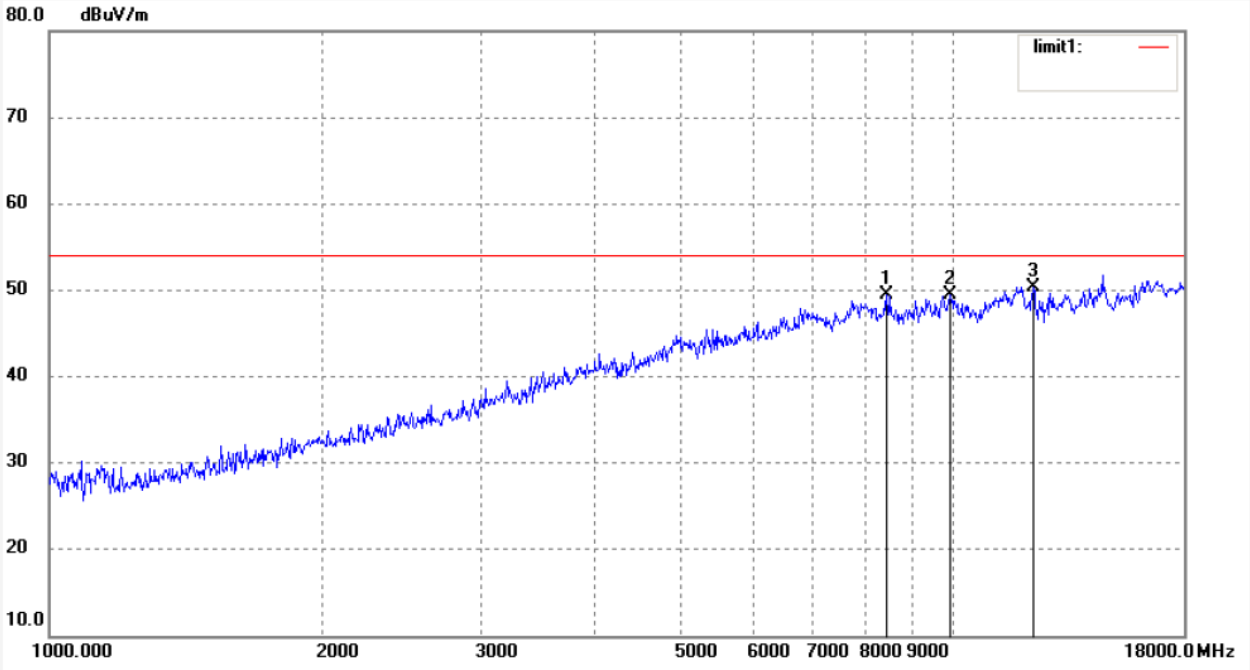
Job No.: Ricky2015 #580	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/01/50
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	8440.946	40.41	8.98	49.39	54.00	-4.61	peak			
2	9923.991	38.36	11.02	49.38	54.00	-4.62	peak			
3	12255.224	5.30	45.06	50.36	54.00	-3.64	peak			

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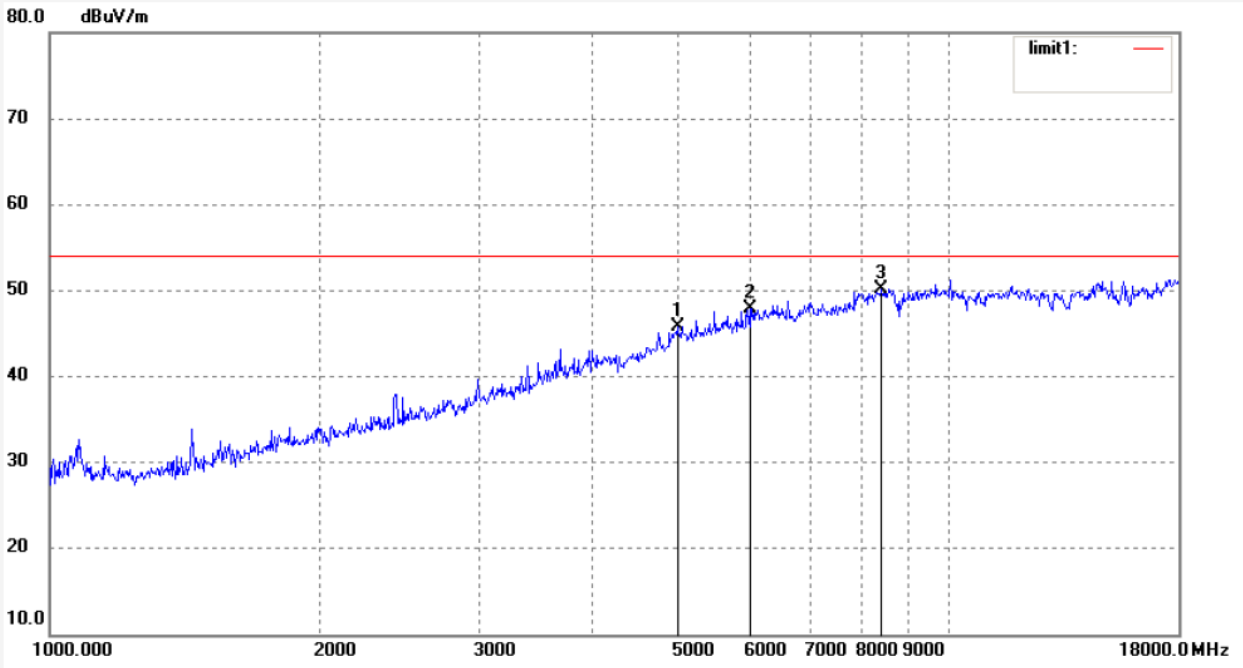
Job No.: Ricky2015 #581	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/03/41
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4988.058	44.40	1.45	45.85	54.00	-8.15	peak			
2	6001.626	44.47	3.50	47.97	54.00	-6.03	peak			
3	8416.584	41.15	9.02	50.17	54.00	-3.83	peak			

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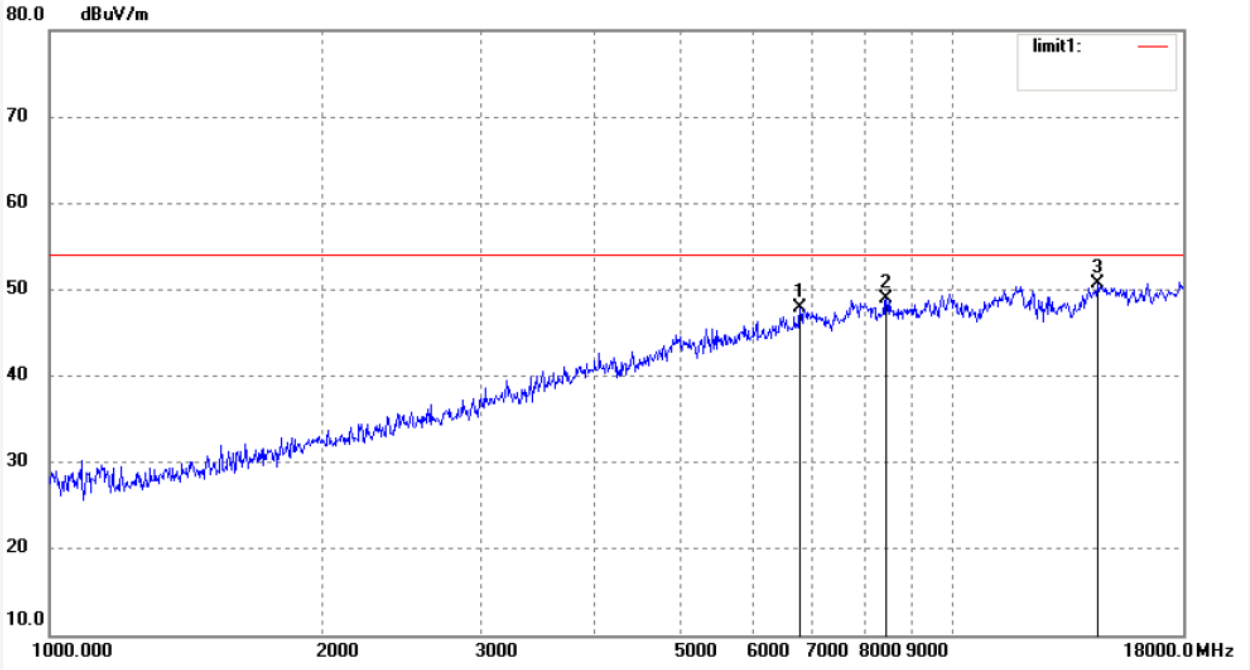
Job No.: Ricky2015 #582	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/05/25
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6776.265	42.82	5.13	47.95	54.00	-6.05	peak			
2	8440.946	39.91	8.98	48.89	54.00	-5.11	peak			
3	14491.958	0.25	50.40	50.65	54.00	-3.35	peak			

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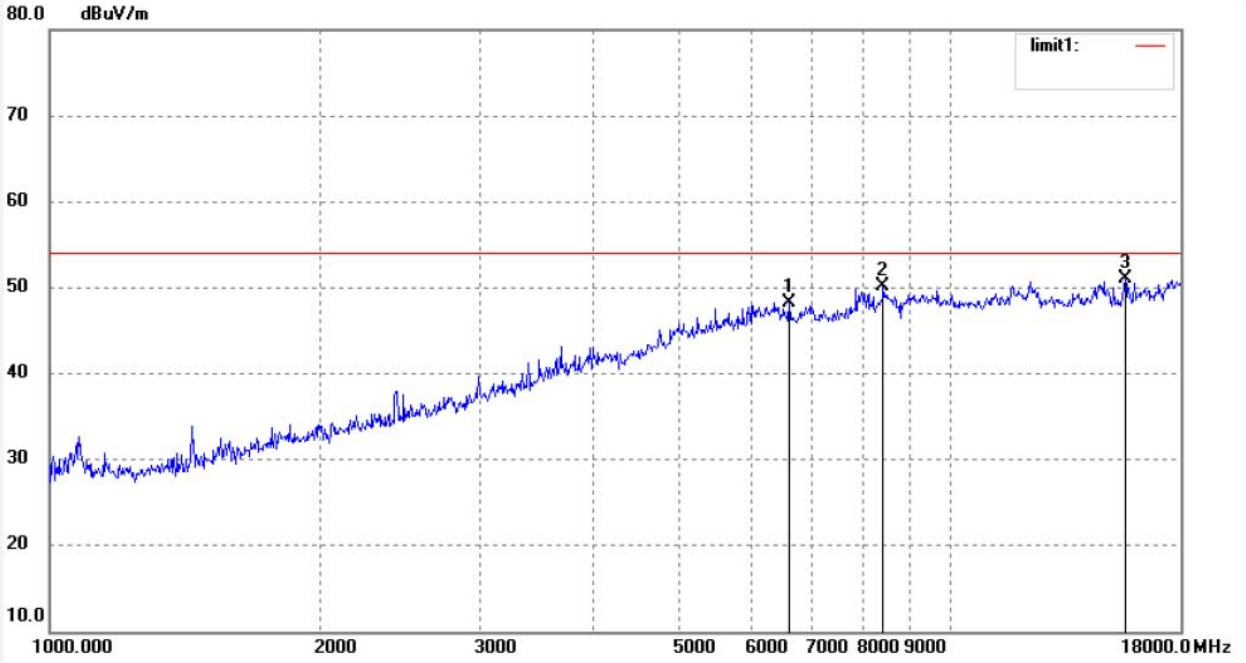
Job No.: Ricky2015 #583	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 18/07/11
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2462MHz(802.11n20)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6621.376	43.79	4.52	48.31	54.00	-5.69	peak			
2	8416.584	41.15	9.02	50.17	54.00	-3.83	peak			
3	15622.990	2.42	48.53	50.95	54.00	-3.05	peak			

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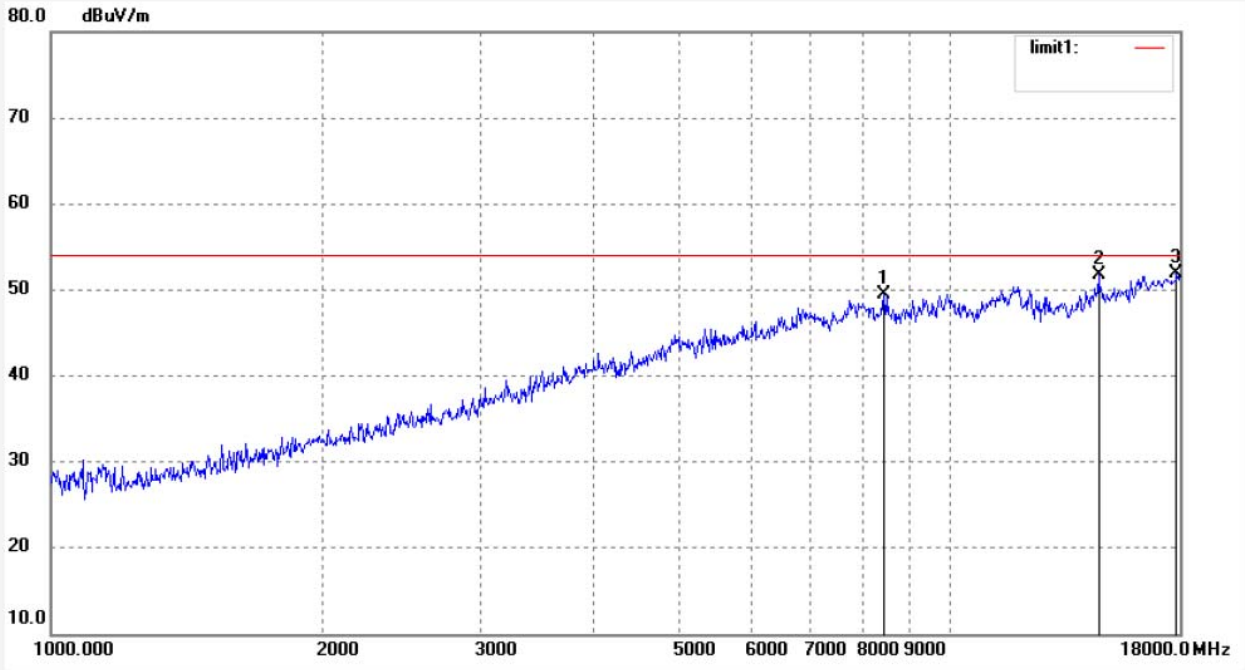
Job No.: Ricky2015 #572	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/44/58
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	8440.946	40.41	8.98	49.39	54.00	-4.61	peak			
2	14618.166	1.59	50.18	51.77	54.00	-2.23	peak			
3	17844.595	0.42	51.48	51.90	54.00	-2.10	peak			

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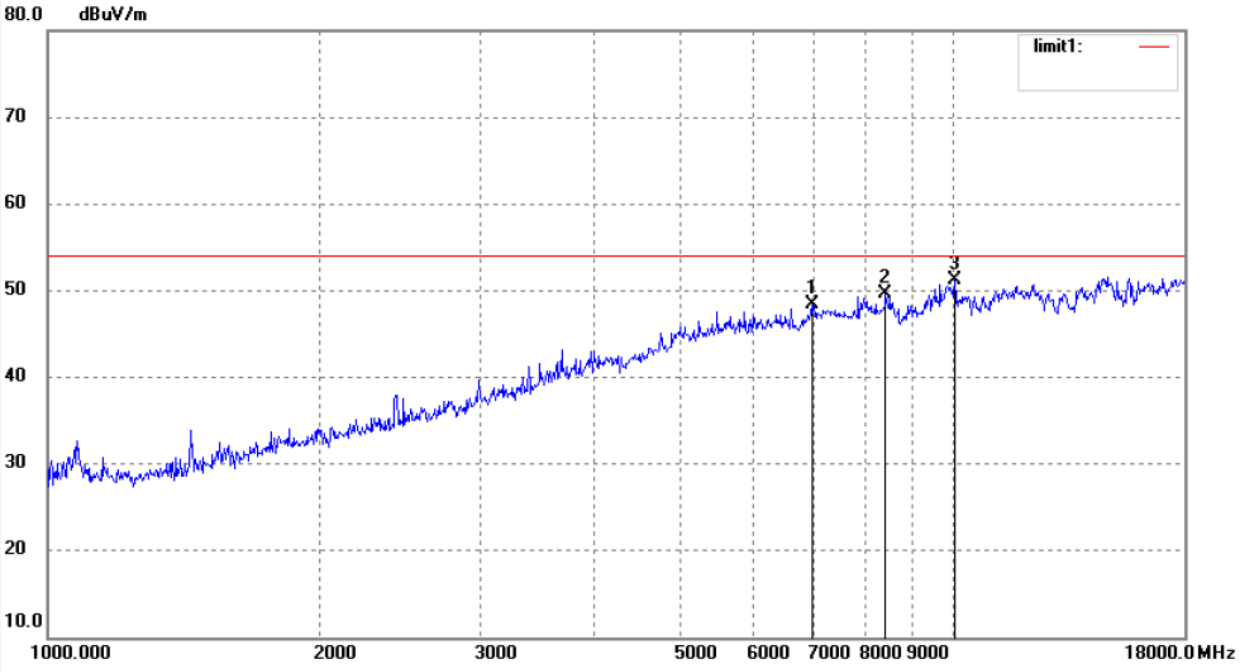
Job No.: Ricky2015 #573	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/46/26
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2422MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6974.983	42.88	5.55	48.43	54.00	-5.57	peak			
2	8416.584	40.65	9.02	49.67	54.00	-4.33	peak			
3	10039.393	40.17	10.96	51.13	54.00	-2.87	peak			

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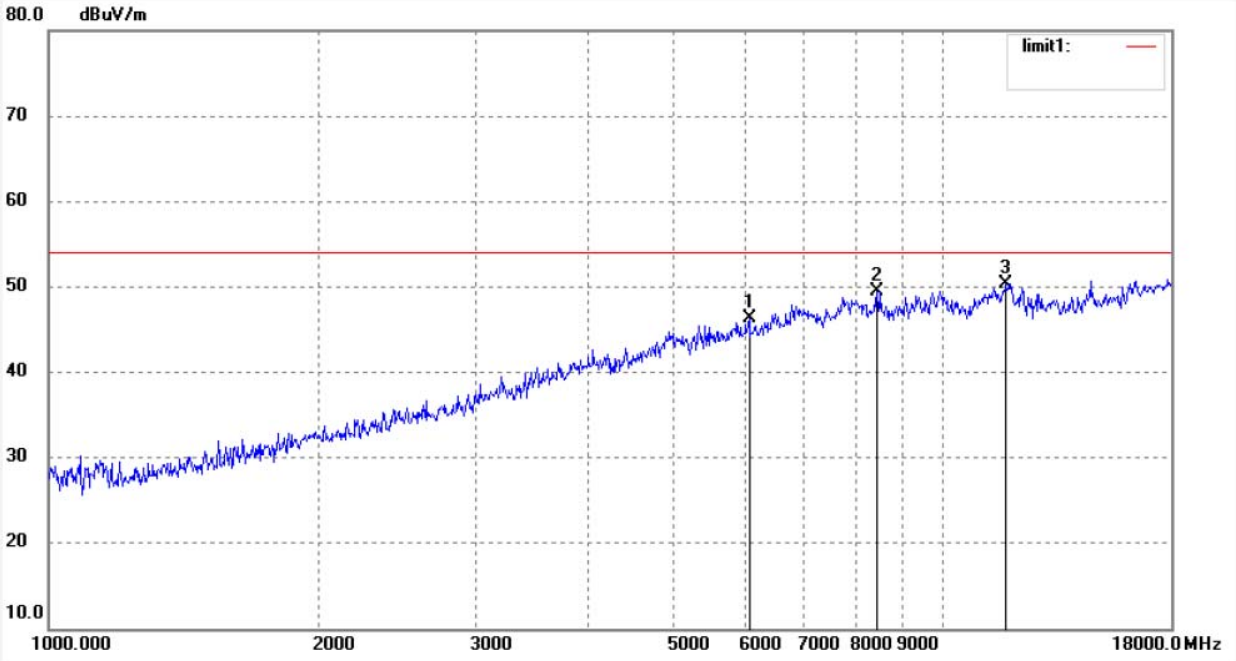
Job No.: Ricky2015 #574	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/48/25
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6071.417	42.83	3.53	46.36	54.00	-7.64	peak			
2	8440.946	40.41	8.98	49.39	54.00	-4.61	peak			
3	11769.214	37.14	13.14	50.28	54.00	-3.72	peak			

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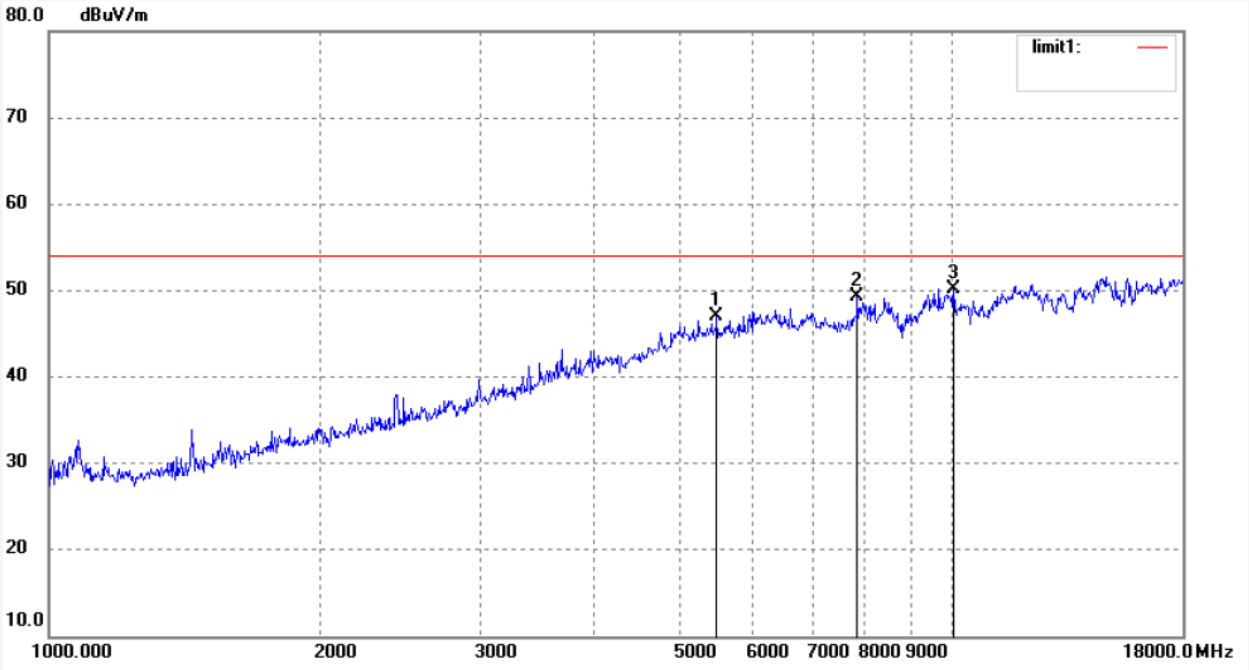
Job No.: Ricky2015 #575	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/50/13
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2437MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5487.260	45.00	2.09	47.09	54.00	-6.91	peak			
2	7852.524	42.27	7.06	49.33	54.00	-4.67	peak			
3	10039.393	39.17	10.96	50.13	54.00	-3.87	peak			

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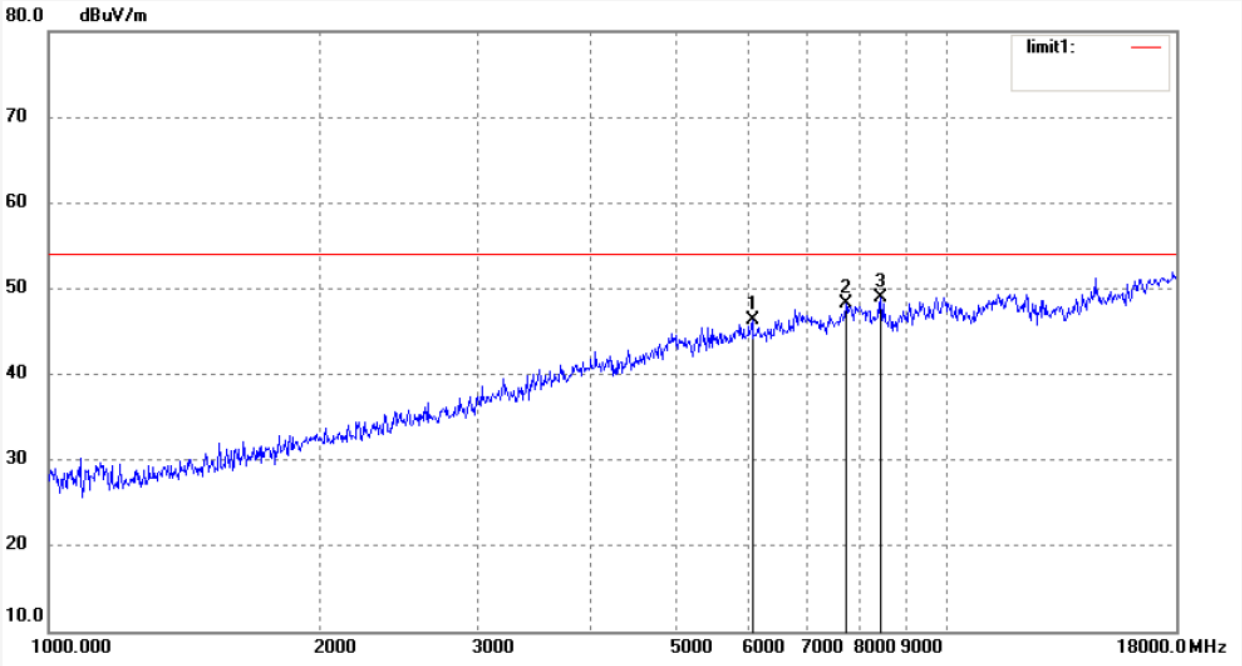
Job No.: Ricky2015 #576	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/52/22
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

Note: Report No.:ATE20150445

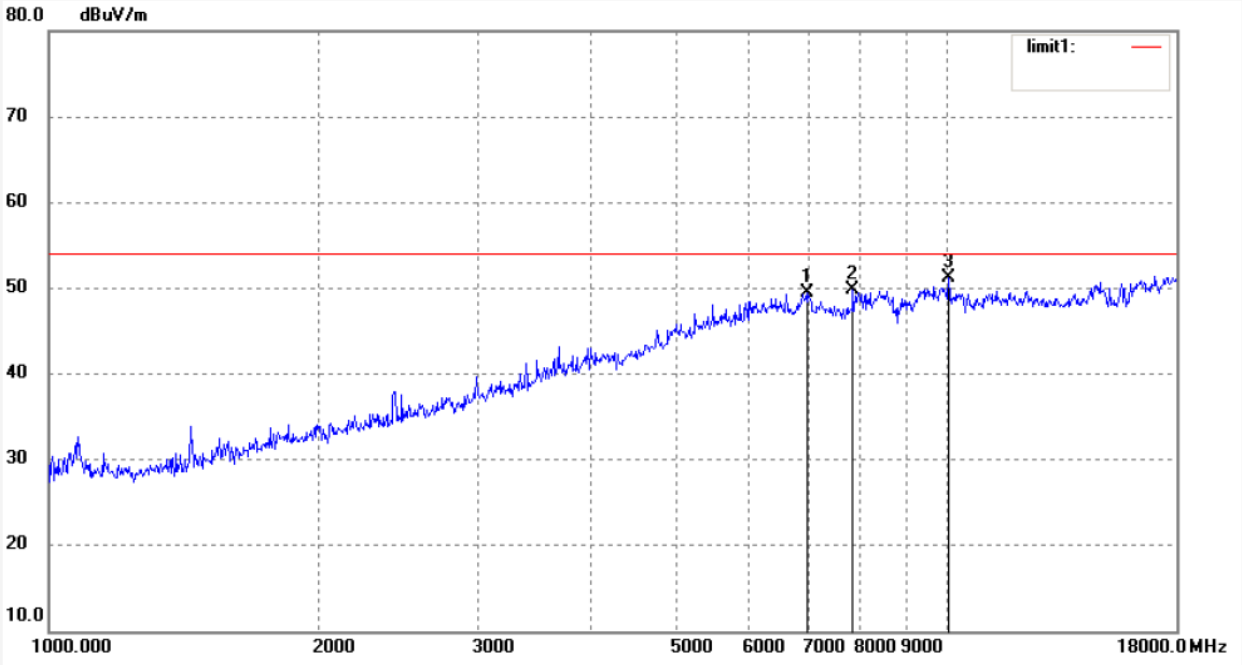


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6071.417	42.83	3.53	46.36	54.00	-7.64	peak			
2	7717.518	42.04	6.26	48.30	54.00	-5.70	peak			
3	8440.946	39.91	8.98	48.89	54.00	-5.11	peak			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ricky2015 #577	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/03/13/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17/55/20
EUT: WiFi Alarm System	Engineer Signature:
Mode: TX 2452MHz(802.11n40)	Distance: 3m
Model: W020	
Manufacturer: Chuango	

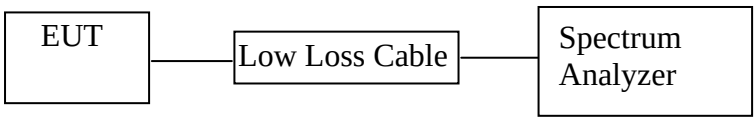
Note: Report No.:ATE20150445



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	6974.983	43.88	5.55	49.43	54.00	-4.57	peak			
2	7852.524	42.77	7.06	49.83	54.00	-4.17	peak			
3	10039.393	40.17	10.96	51.13	54.00	-2.87	peak			

10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1. Block Diagram of Test Setup



10.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3. EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.4. Operating Condition of EUT

10.4.1. Setup the EUT and simulator as shown as Section 10.1.

10.4.2. Turn on the power of all equipment.

10.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

10.5. Test Procedure

10.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).

10.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).

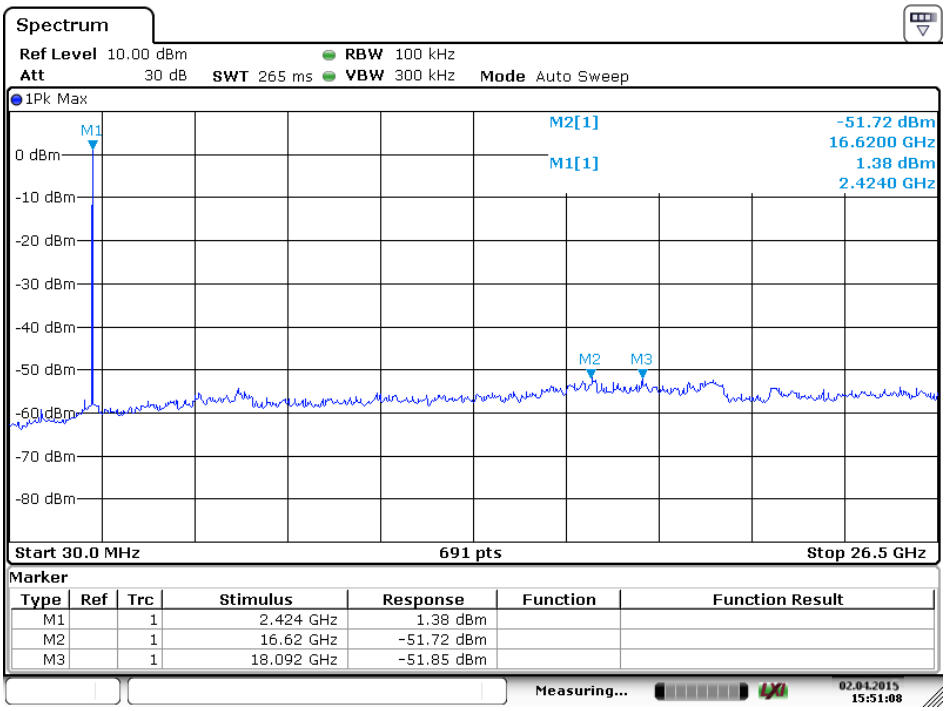
10.5.4. The Conducted Spurious Emission was measured and recorded.

10.6. Test Result

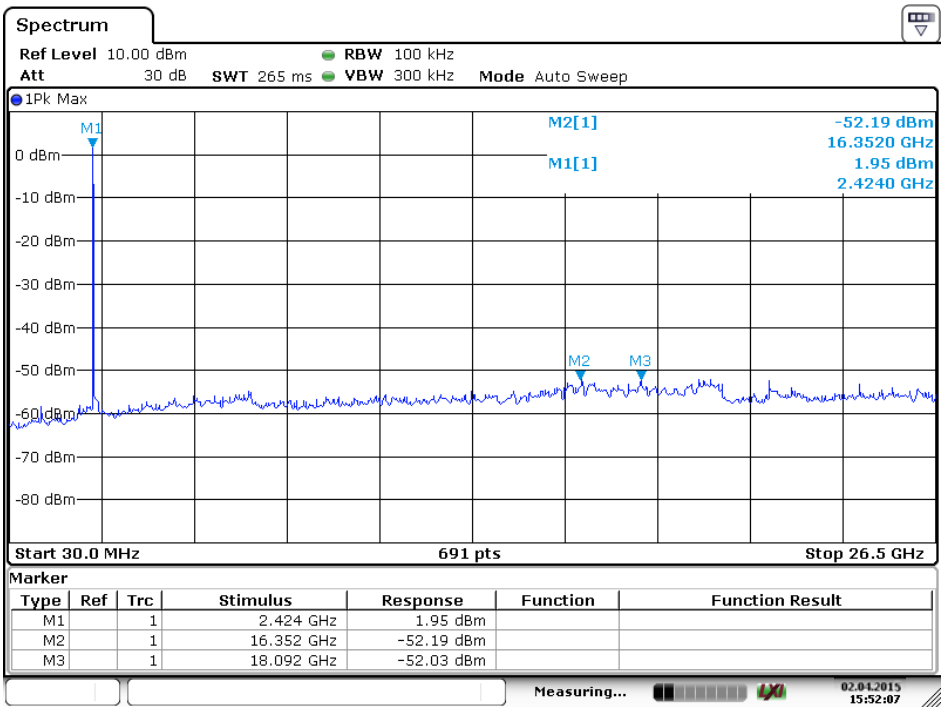
Pass.

The spectrum analyzer plots are attached as below.

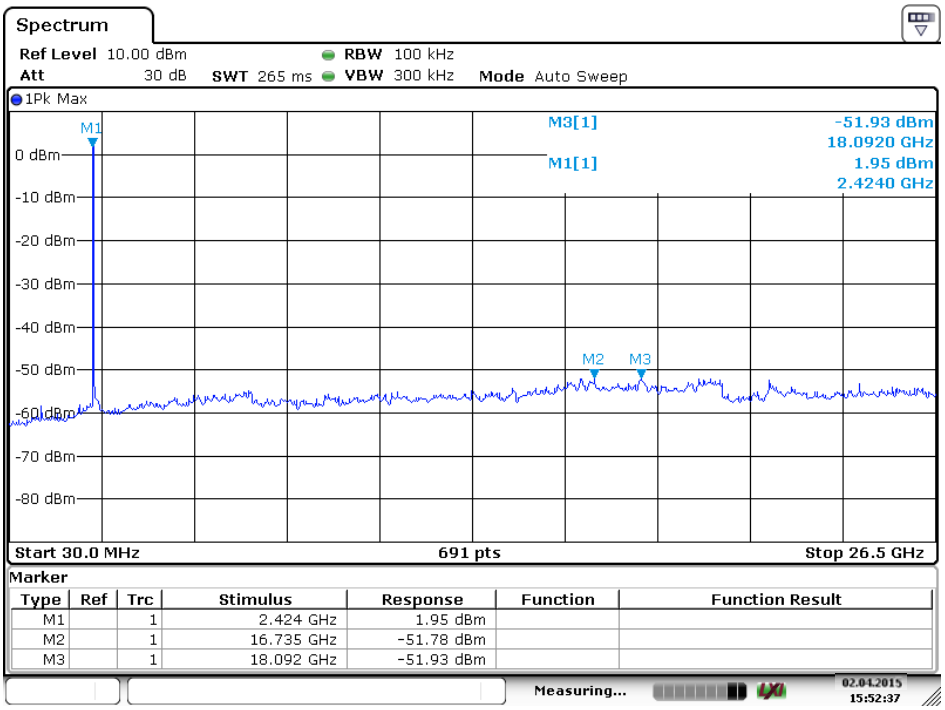
TX 802.11b Channel Low 2412MHz



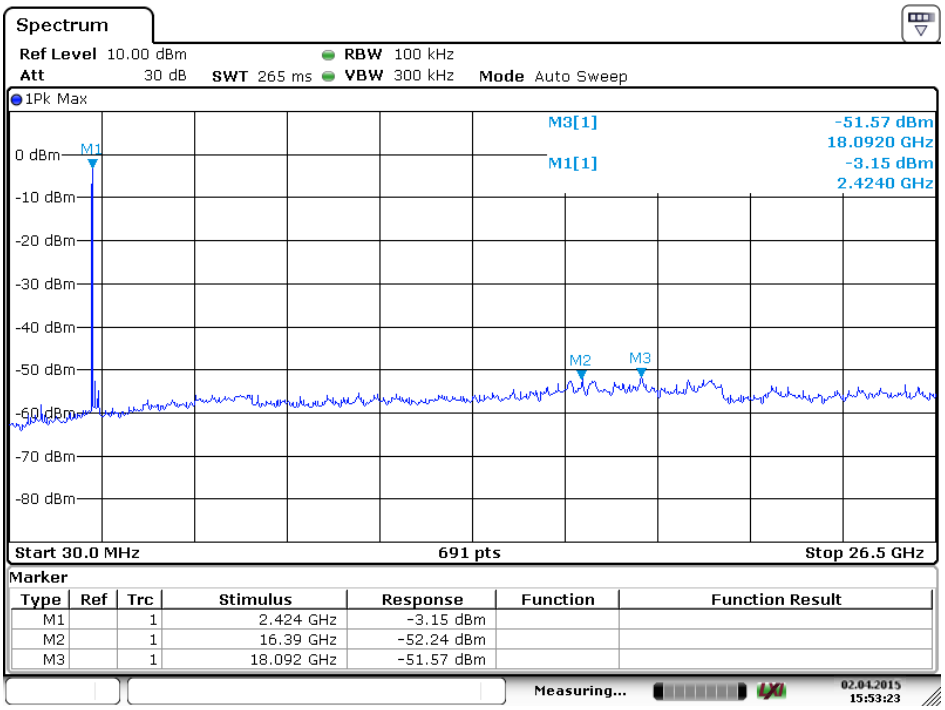
TX 802.11b Channel Middle 2437MHz



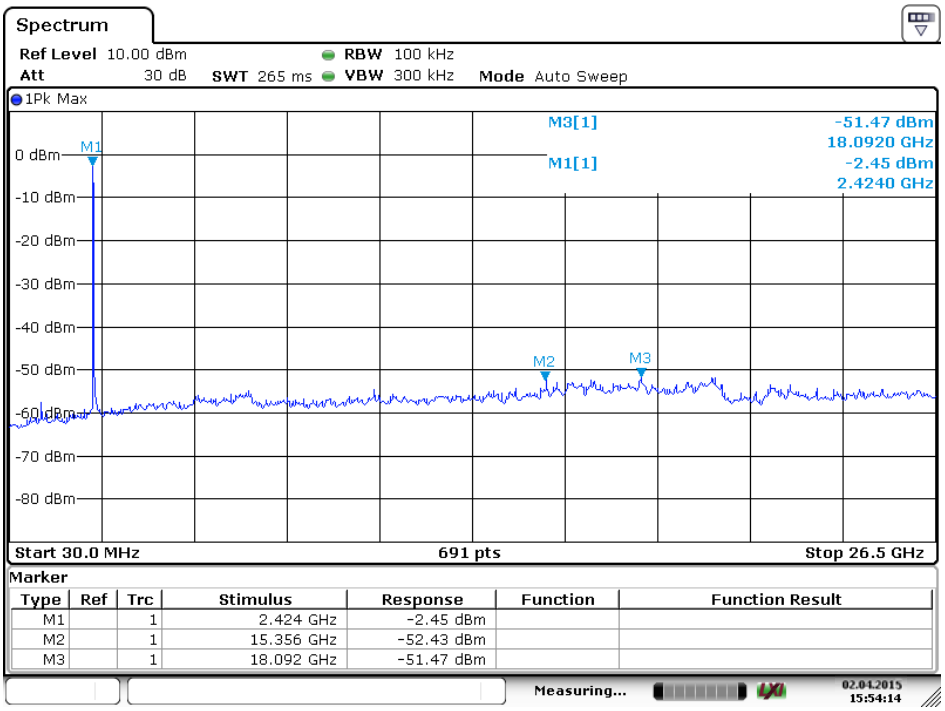
TX 802.11b Channel High 2462MHz



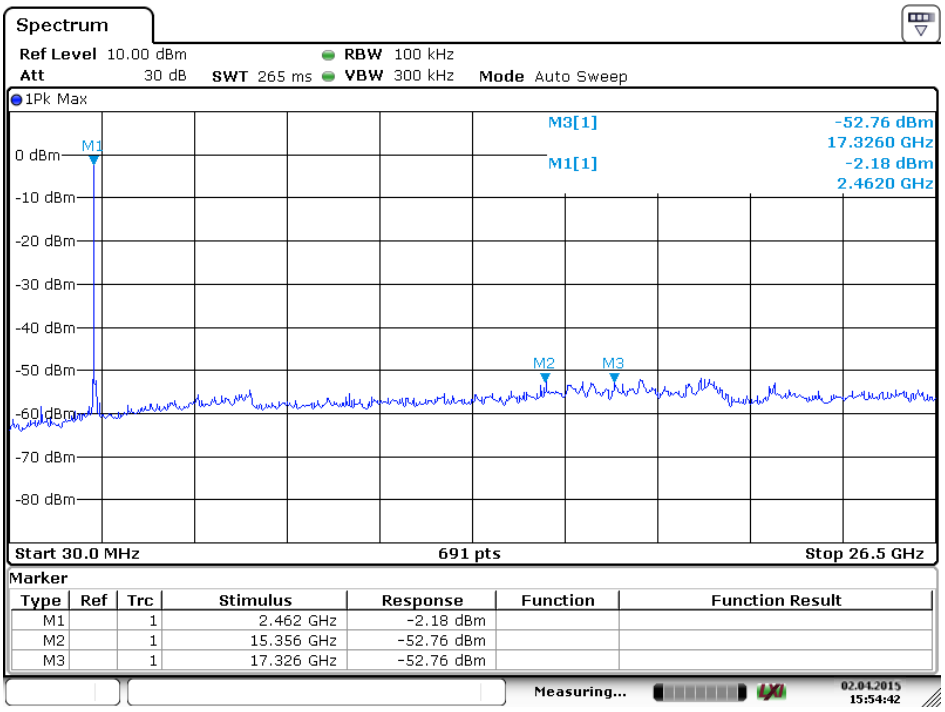
TX 802.11g Channel Low 2412MHz



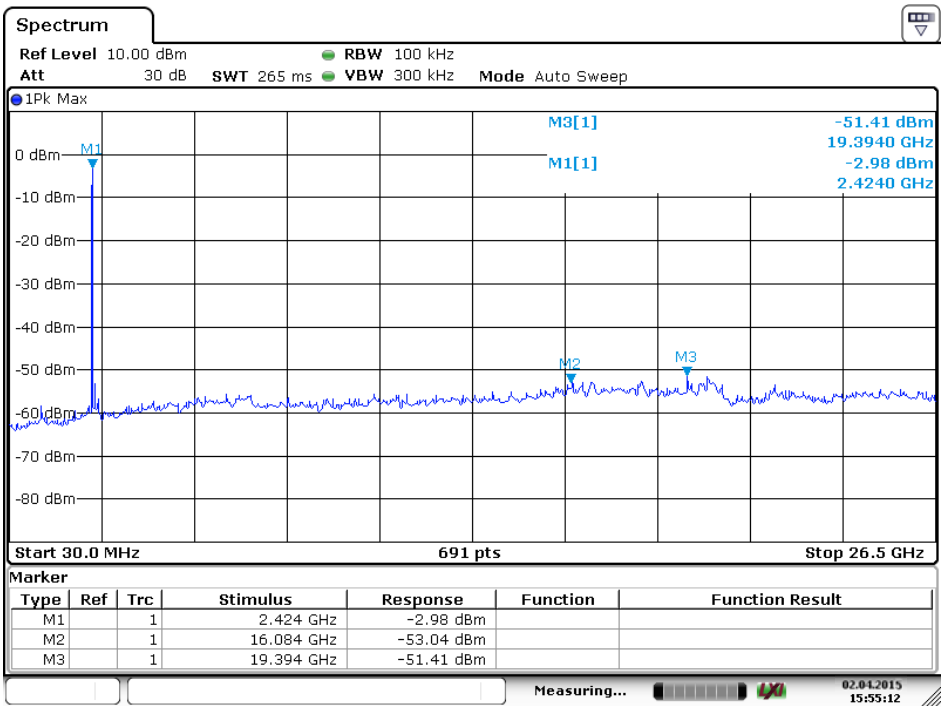
TX 802.11g Channel Middle 2437MHz



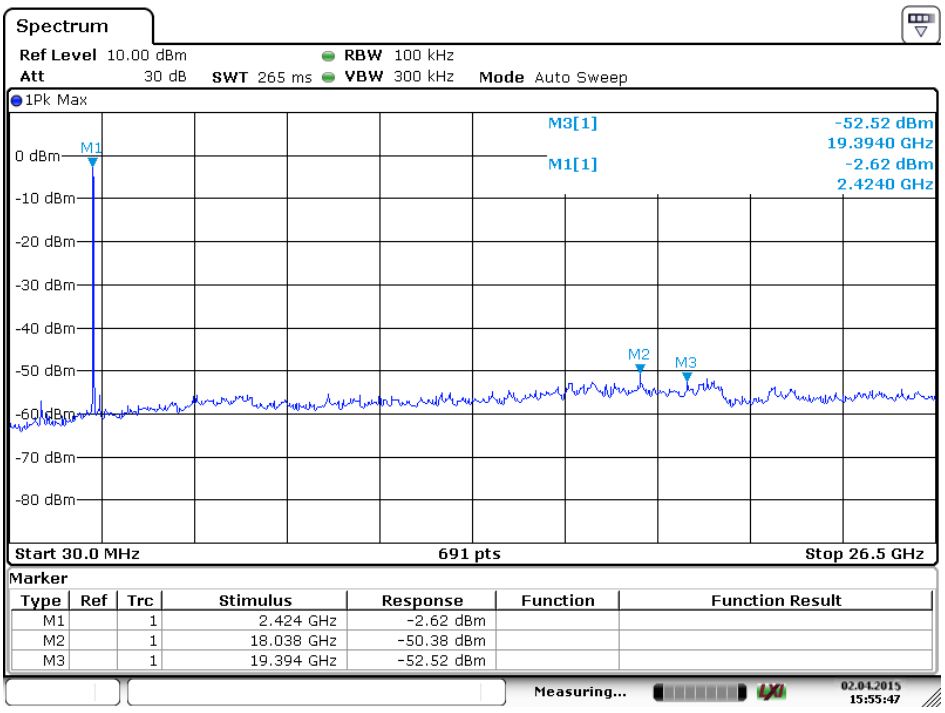
TX 802.11g Channel High 2462MHz



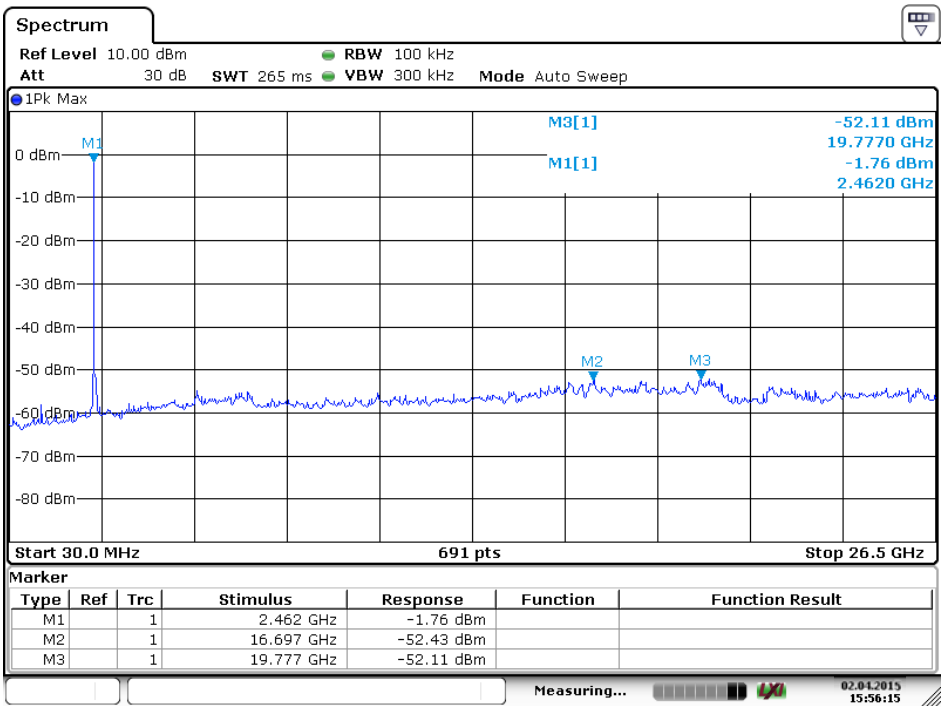
TX 802.11n Channel Low 2412MHz (20MHz)



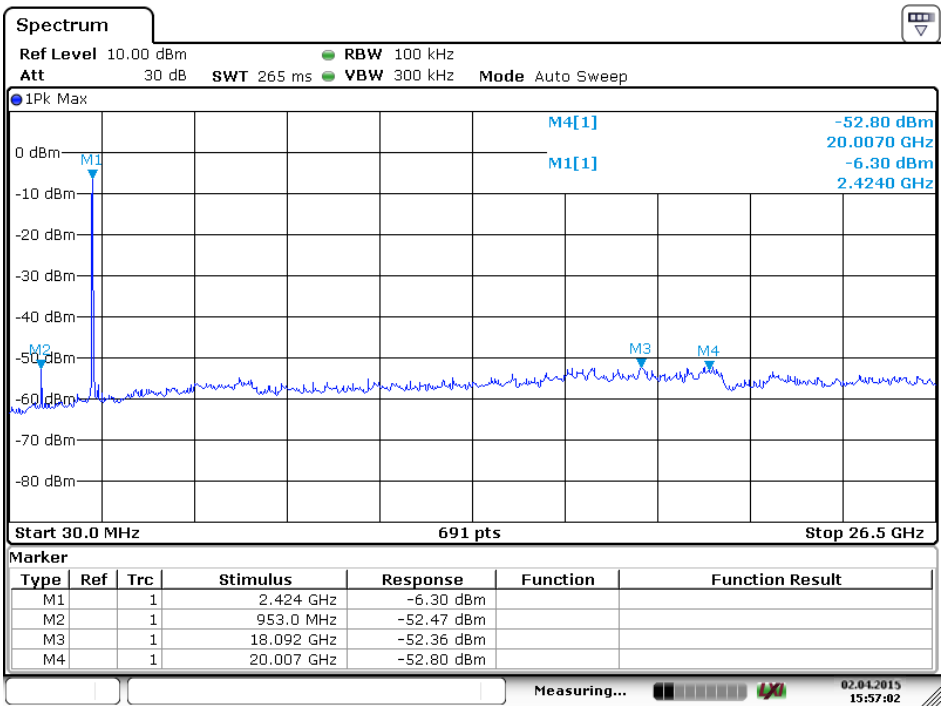
TX 802.11n Channel Middle 2437MHz (20MHz)



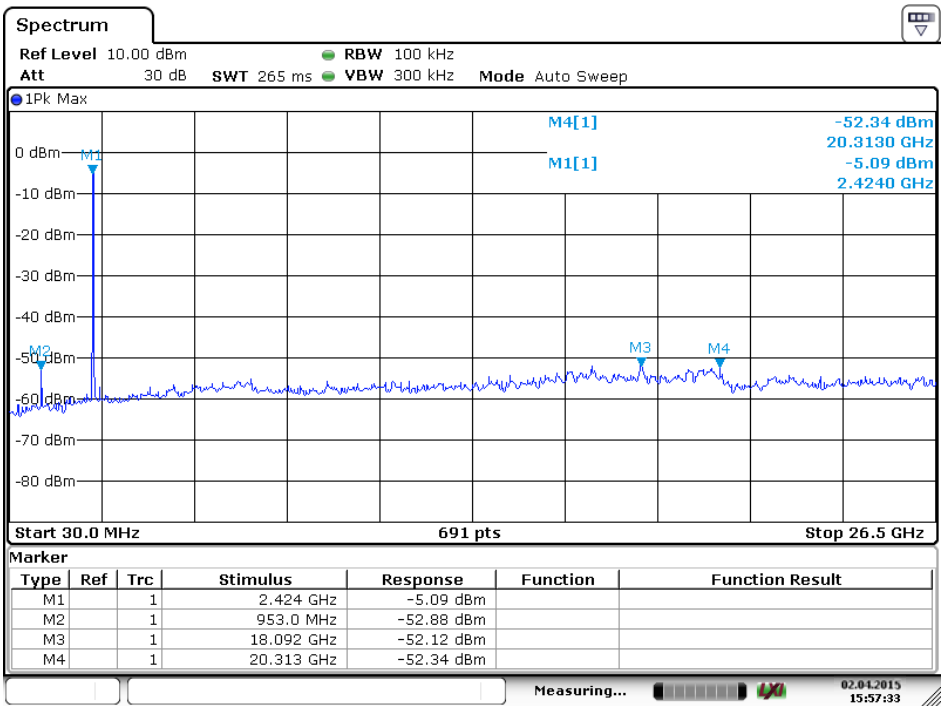
TX 802.11n Channel High 2462MHz (20MHz)



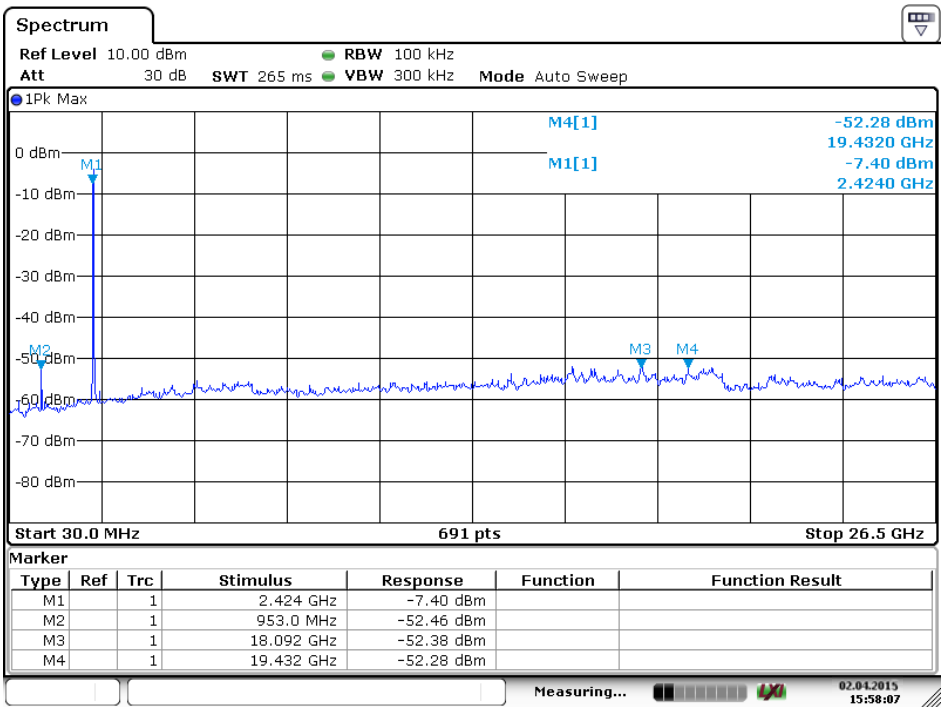
TX 802.11n Channel Low 2422MHz (40MHz)



TX 802.11n Channel Middle 2437MHz (40MHz)



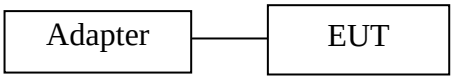
TX 802.11n Channel High 2452MHz (40MHz)



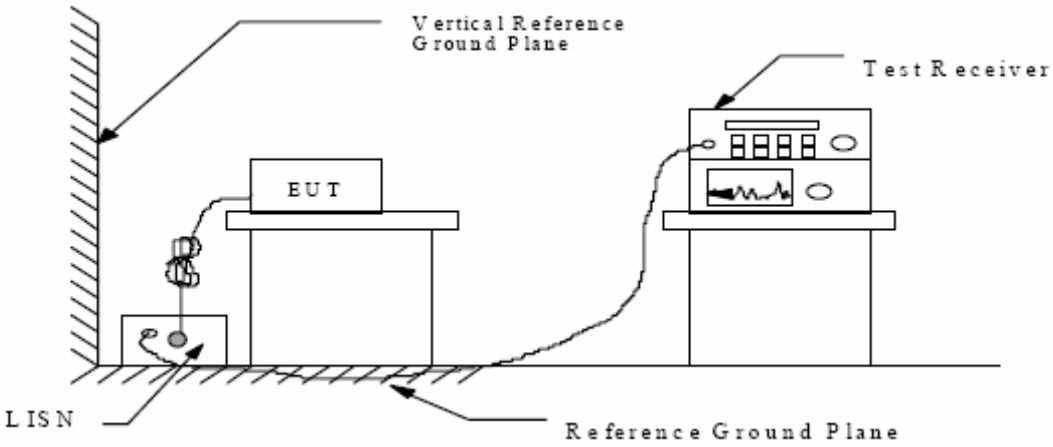
11. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

11.1. Block Diagram of Test Setup

11.1.1. Block diagram of connection between the EUT and simulators



11.1.2. Shielding Room Test Setup Diagram



11.2. The Emission Limit

11.2.1. Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

The equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in (Charging) mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

11.6.Power Line Conducted Emission Measurement Results

ACCURATE TECHNOLOGY CO.,LTD

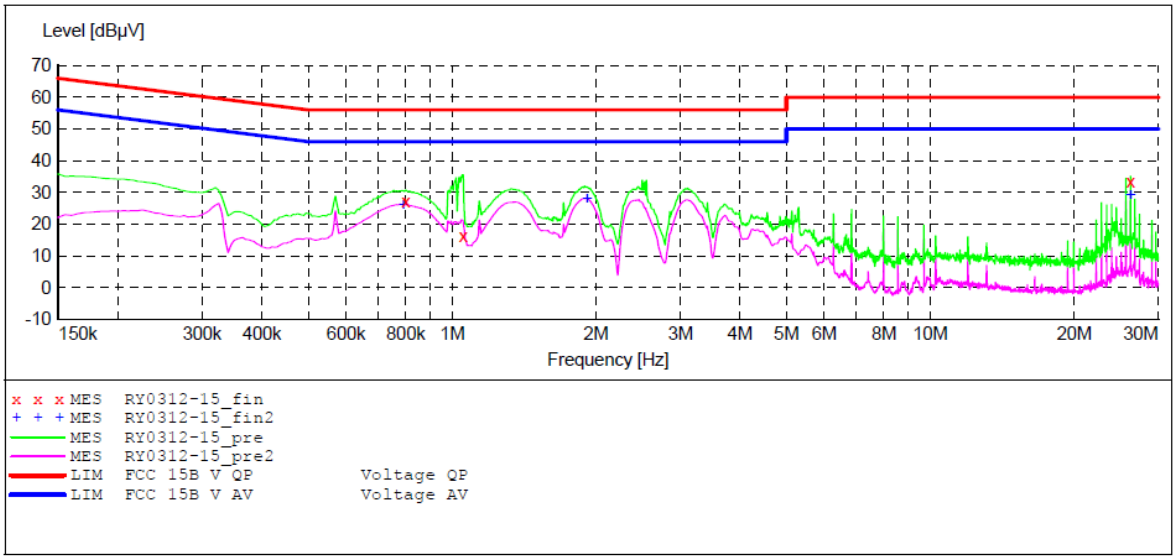
CONDUCTED EMISSION STANDARD FCC ID

```
EUT:                    WiFi Alarm System   M/N:W020
Manufacturer:           Chuango
Operating Condition:    Operation  WIFI
Test Site:              1#Shielding Room
Operator:               Ricky
Test Specification:     N  120V/60Hz
Comment:                Report No.:ATE20150445
Start of Test:          3/12/2015 / 10:12:58AM
```

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "RY0312-15_fin"

3/12/2015 10:16AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.800000	27.20	10.8	56	28.8	QP	N	GND
1.055000	26.20	10.9	56	29.8	QP	N	GND
26.250000	33.20	11.5	60	26.8	QP	N	GND

MEASUREMENT RESULT: "RY0312-15_fin2"

3/12/2015 10:16AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.790000	26.10	10.8	46	19.9	AV	N	GND
1.915000	27.80	11.0	46	18.2	AV	N	GND
26.250000	29.10	11.5	50	20.9	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

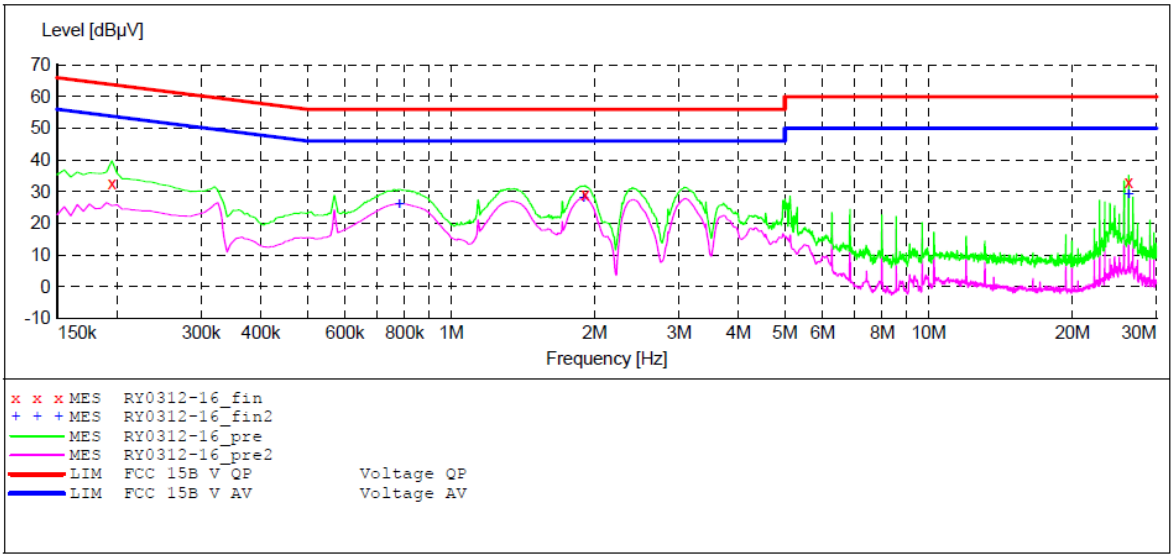
CONDUCTED EMISSION STANDARD FCC ID

EUT:	WiFi Alarm System M/N:W020
Manufacturer:	Chuango
Operating Condition:	Operation WIFI
Test Site:	1#Shielding Room
Operator:	Ricky
Test Specification:	L 120V/60Hz
Comment:	Report No.:ATE20150445
Start of Test:	3/12/2015 / 10:17:42AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "RY0312-16_fin"

3/12/2015 10:20AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.195000	32.60	10.5	64	31.2	QP	L1	GND
1.910000	29.10	11.0	56	26.9	QP	L1	GND
26.250000	32.90	11.5	60	27.1	QP	L1	GND

MEASUREMENT RESULT: "RY0312-16_fin2"

3/12/2015 10:20AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.780000	26.00	10.8	46	20.0	AV	L1	GND
1.895000	27.90	11.0	46	18.1	AV	L1	GND
26.250000	29.00	11.5	50	21.0	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

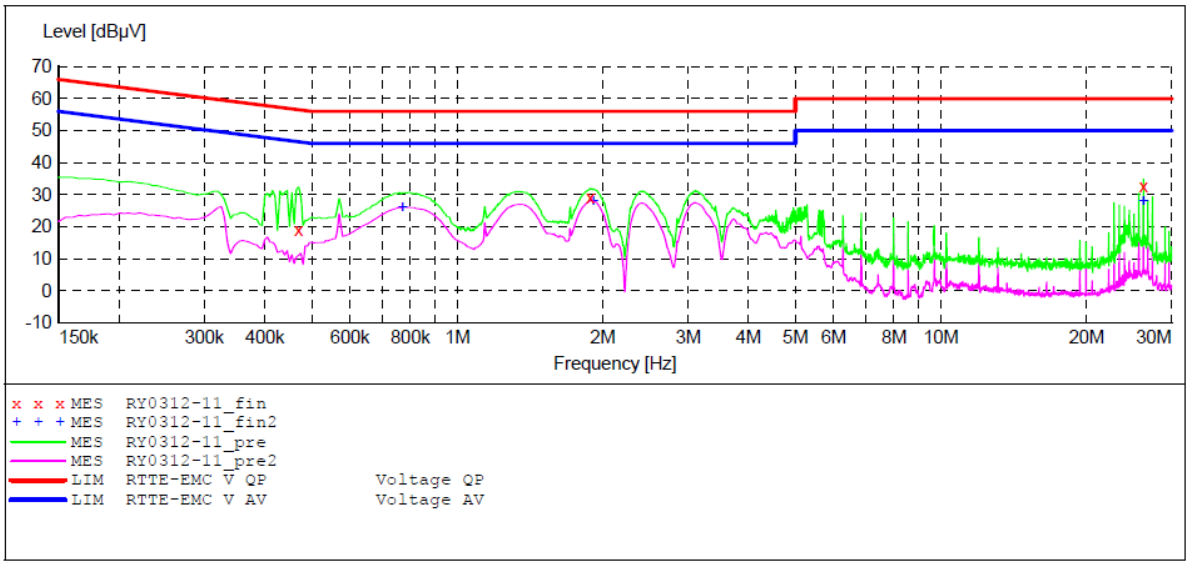
CONDUCTED EMISSION STANDARD FCC 15

EUT:	WiFi Alarm System M/N:W020
Manufacturer:	Chuango
Operating Condition:	Operation WIFI
Test Site:	1#Shielding Room
Operator:	Ricky
Test Specification:	N 240V
Comment:	Report No.:ATE20150445
Start of Test:	3/12/2015 / 9:49:46AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "RY0312-11_fin"

3/12/2015 9:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.470000	19.10	10.7	57	37.4	QP	N	GND
1.885000	29.10	11.0	56	26.9	QP	N	GND
26.250000	32.70	11.5	60	27.3	QP	N	GND

MEASUREMENT RESULT: "RY0312-11_fin2"

3/12/2015 9:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.770000	25.90	10.8	46	20.1	AV	N	GND
1.910000	27.90	11.0	46	18.1	AV	N	GND
26.250000	27.90	11.5	50	22.1	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

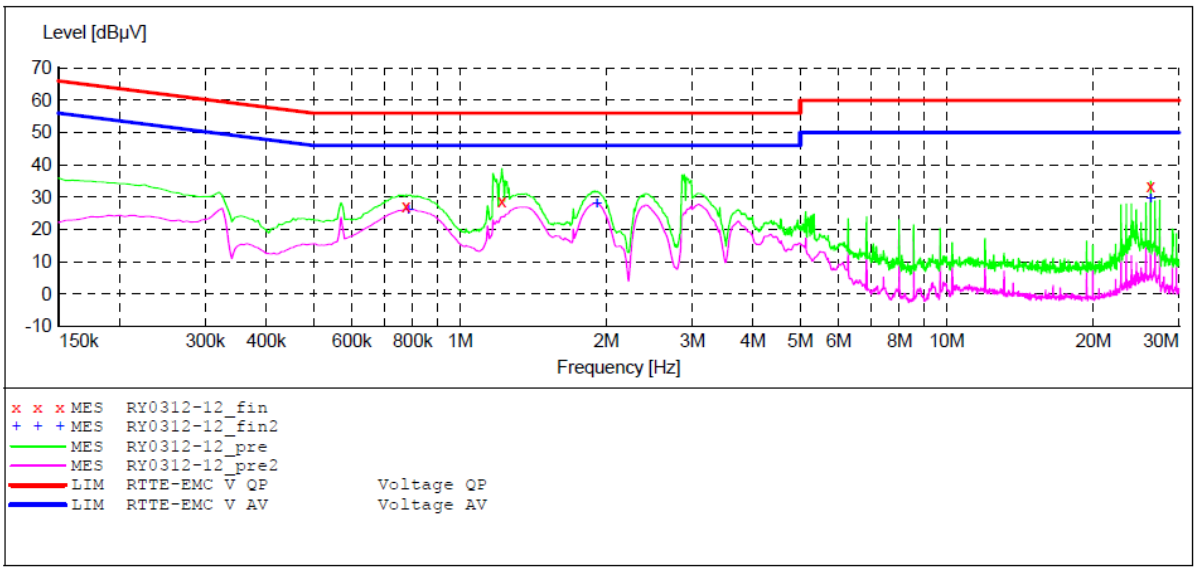
CONDUCTED EMISSION STANDARD FCC 15

```
EUT:                    WiFi Alarm System   M/N:W020
Manufacturer:           Chuango
Operating Condition:    WIFI
Test Site:              1#Shielding Room
Operator:               Ricky
Test Specification:     L  240V
Comment:                Report No.:ATE20150445
Start of Test:          3/12/2015 / 9:54:34AM
```

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "RY0312-12_fin"

3/12/2015 9:57AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.775000	27.20	10.8	56	28.8	QP	L1	GND
1.220000	28.70	10.9	56	27.3	QP	L1	GND
26.250000	33.20	11.5	60	26.8	QP	L1	GND

MEASUREMENT RESULT: "RY0312-12_fin2"

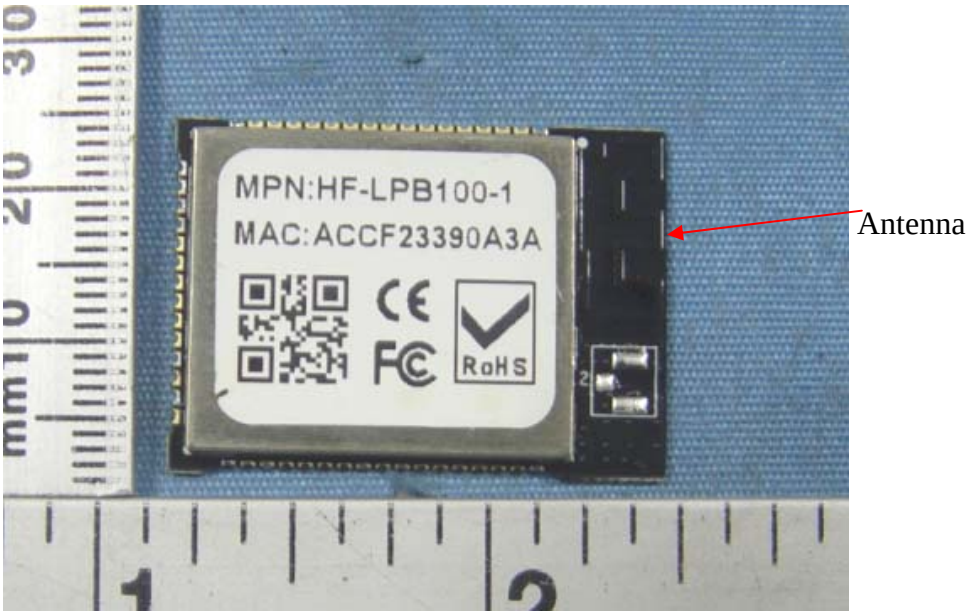
3/12/2015 9:57AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.785000	26.00	10.8	46	20.0	AV	L1	GND
1.910000	27.90	11.0	46	18.1	AV	L1	GND
26.250000	29.40	11.5	50	20.6	AV	L1	GND

12. ANTENNA REQUIREMENT

12.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.2. Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. The antenna gain is 2dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.