

Test Report No.50257353 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50257353 001 Appendix D)

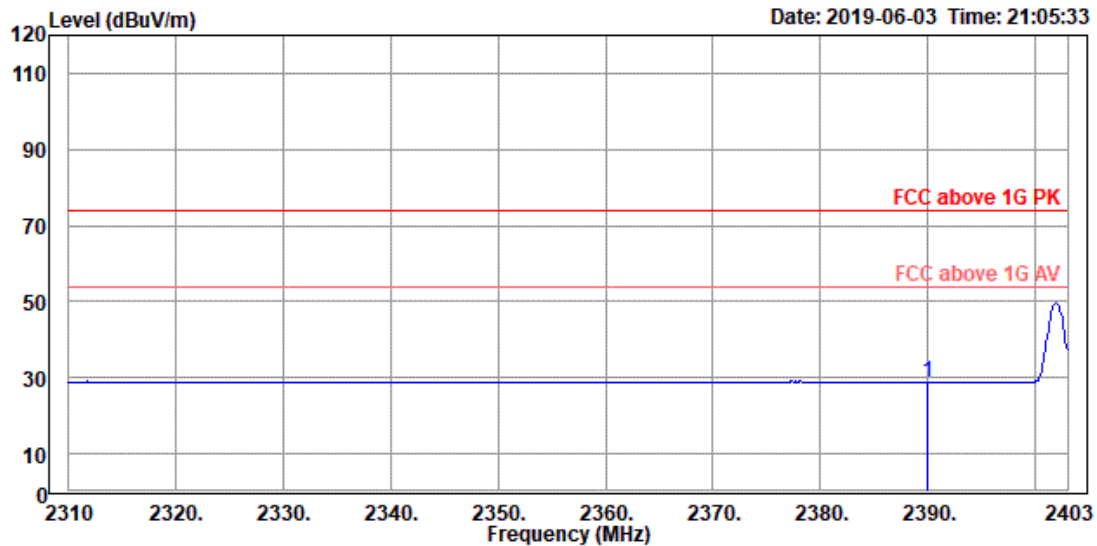
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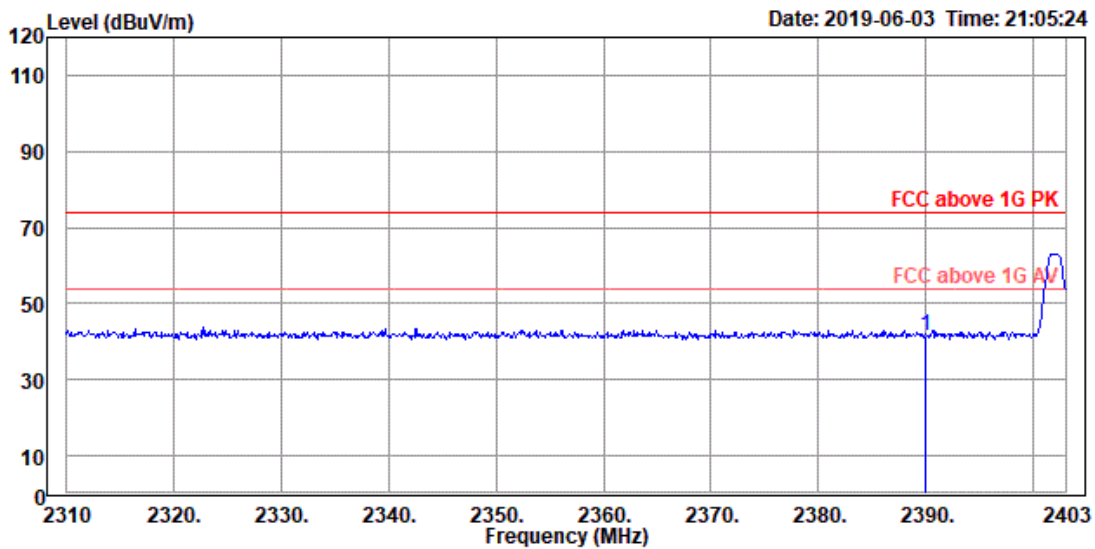


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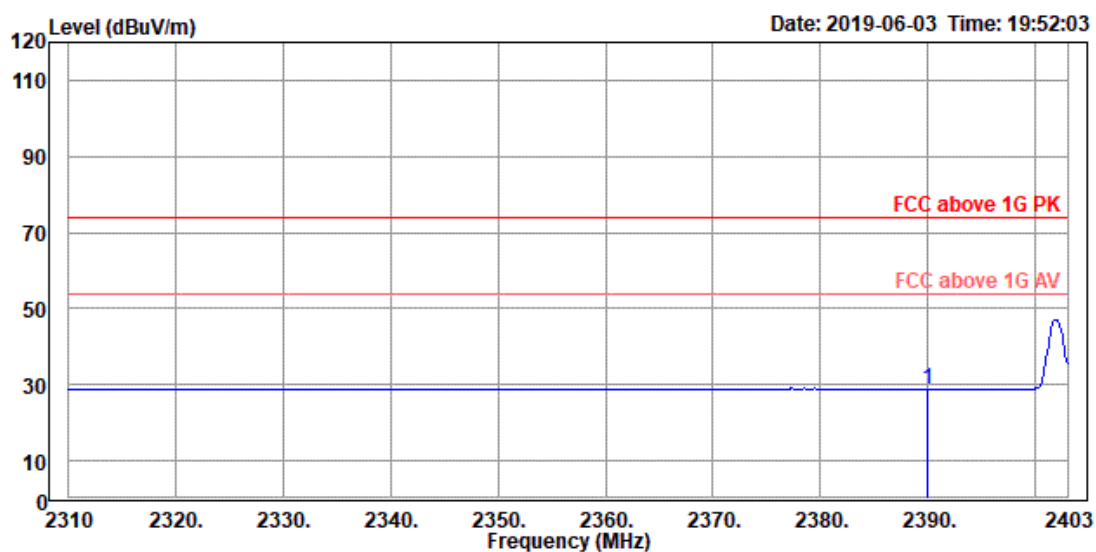
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	28.88	36.98	-8.10	74.00	-45.12	122	10	Average	



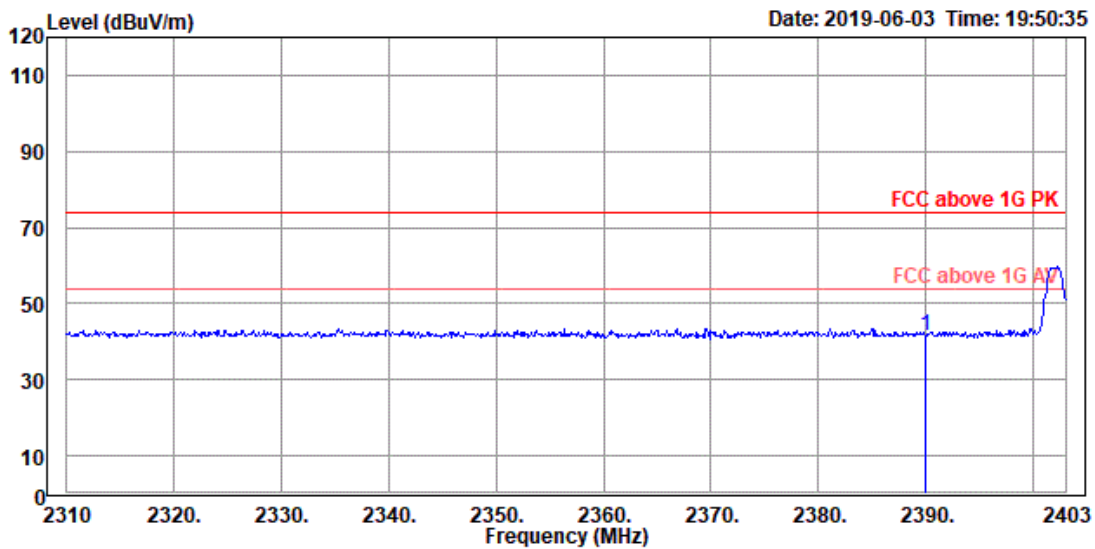
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	41.52	49.62	-8.10	74.00	-32.48	122	10	Peak	



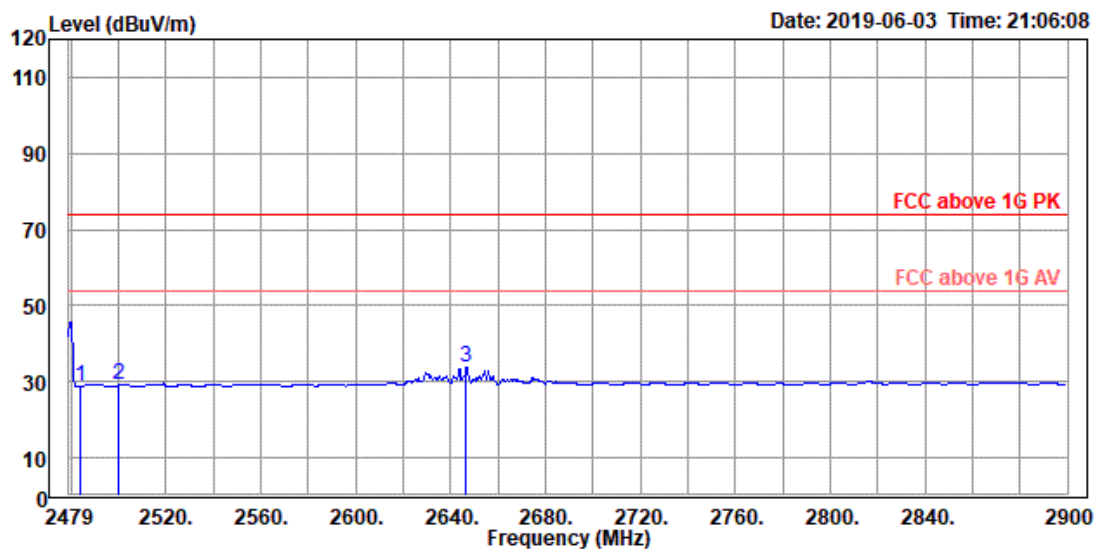
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	28.91	37.01	-8.10	74.00	-45.09	100	70	Average	



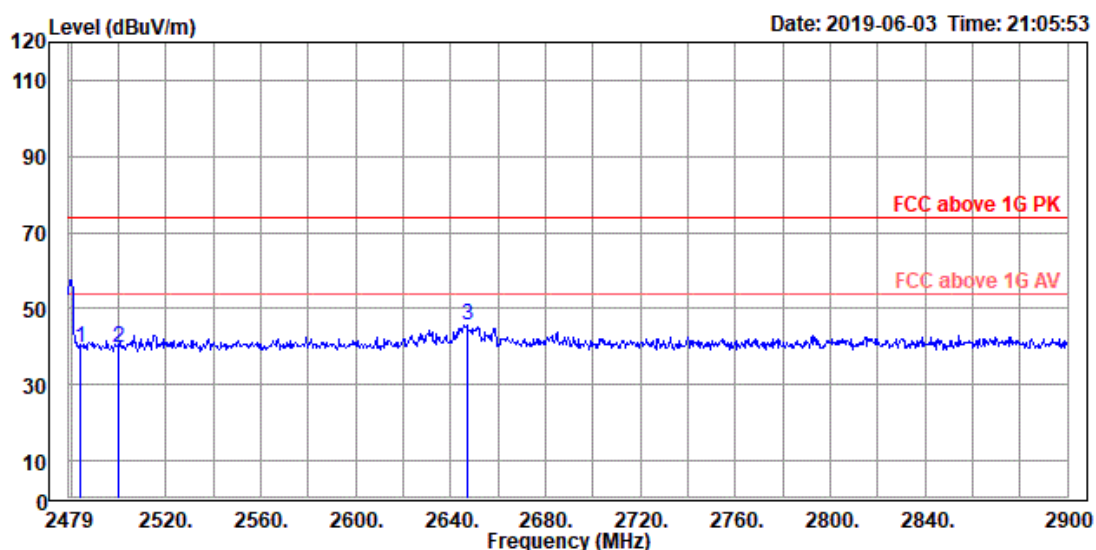
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	41.44	49.54	-8.10	74.00	-32.56	100	70	Peak	



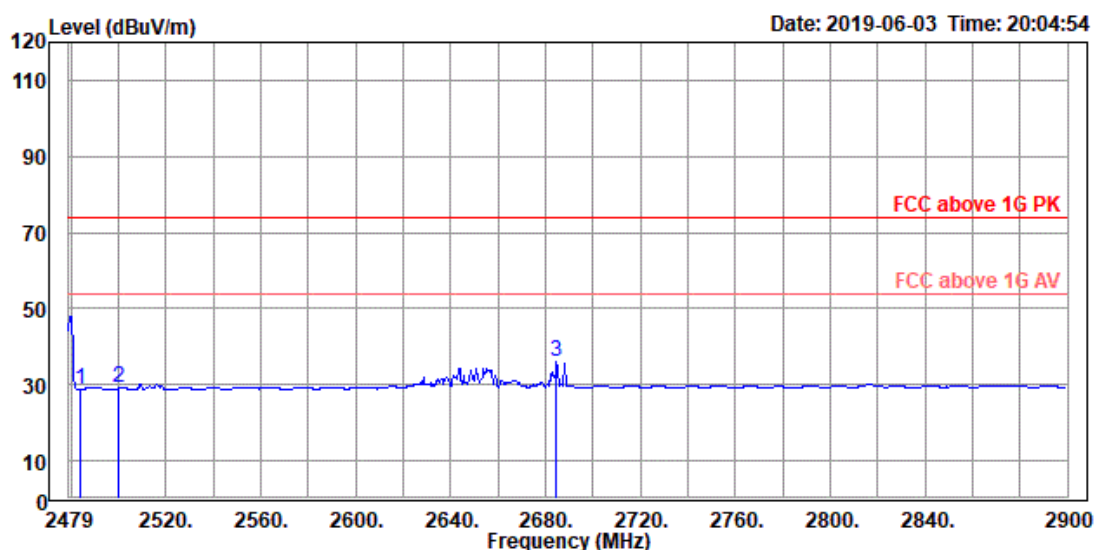
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	28.79	36.88	-8.09	74.00	-45.21	106	343	Average	
2	2500.000	29.03	37.12	-8.09	74.00	-44.97	106	343	Average	
3	2646.558	33.90	41.74	-7.84	74.00	-40.10	106	343	Average	



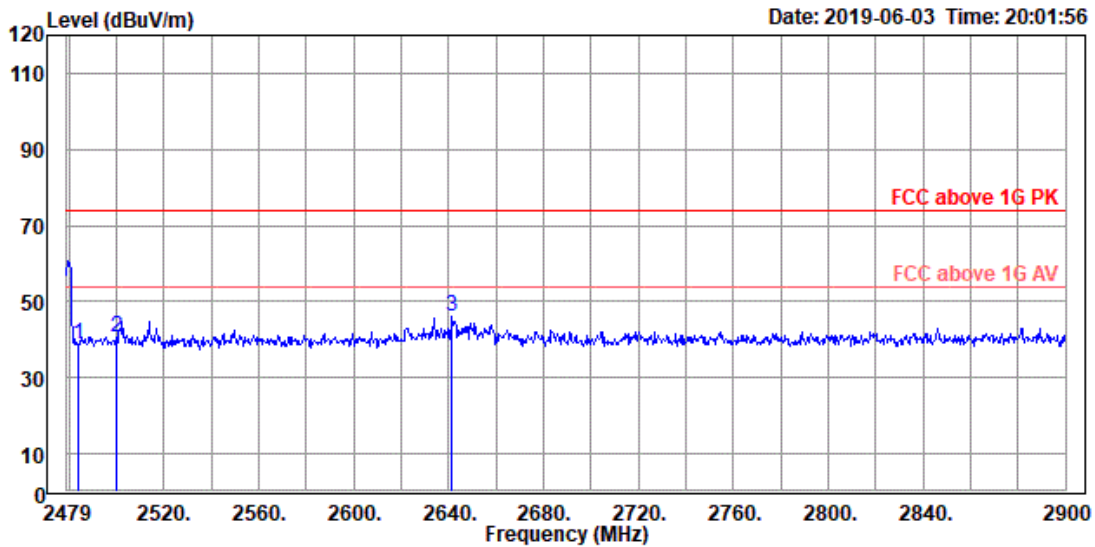
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	39.50	47.59	-8.09	74.00	-34.50	106	343	Peak	
2	2500.000	39.78	47.87	-8.09	74.00	-34.22	106	343	Peak	
3	2646.979	45.77	53.61	-7.84	74.00	-28.23	106	343	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	28.75	36.84	-8.09	74.00	-45.25	100	320	Average	
2	2500.000	29.06	37.15	-8.09	74.00	-44.94	100	320	Average	
3	2684.448	36.20	43.98	-7.78	74.00	-37.80	100	320	Average	



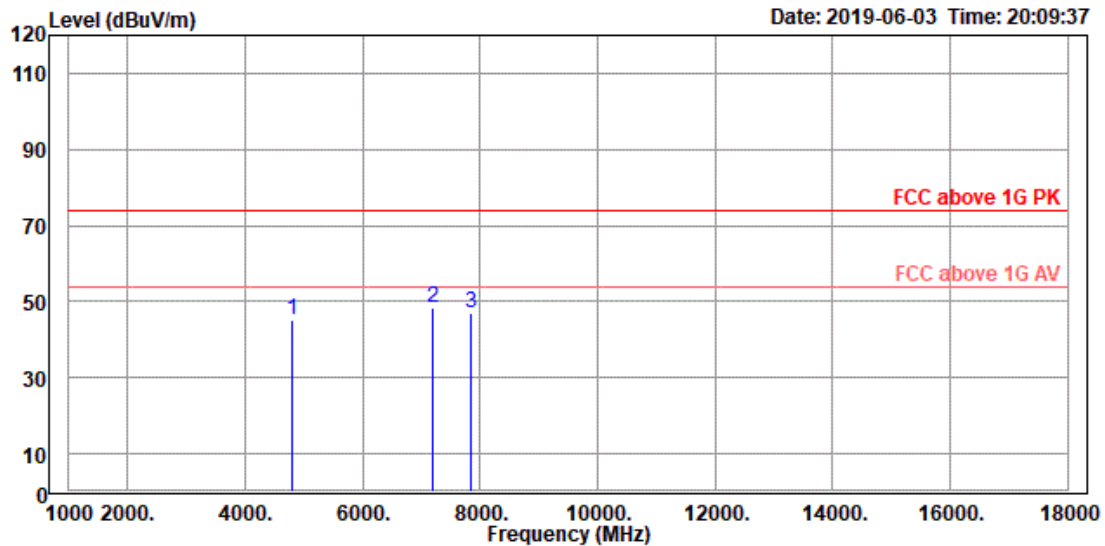
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Bandedge-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	38.66	46.75	-8.09	74.00	-35.34	100	320	Peak	
2	2500.000	40.70	48.79	-8.09	74.00	-33.30	100	320	Peak	
3	2641.506	46.09	53.95	-7.86	74.00	-27.91	100	320	Peak	

Spurious Emissions, TX Mode, 1-18G

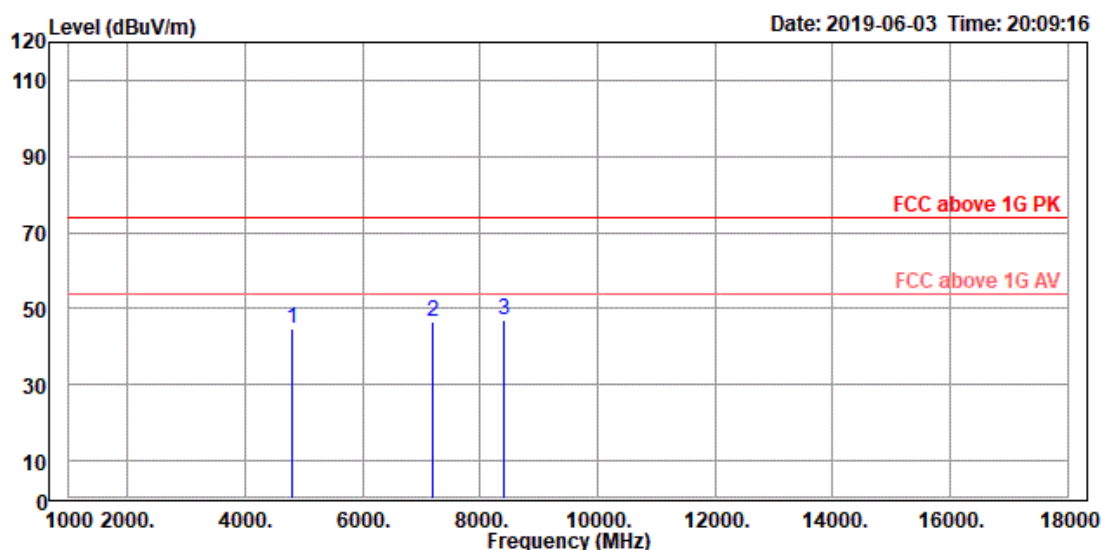


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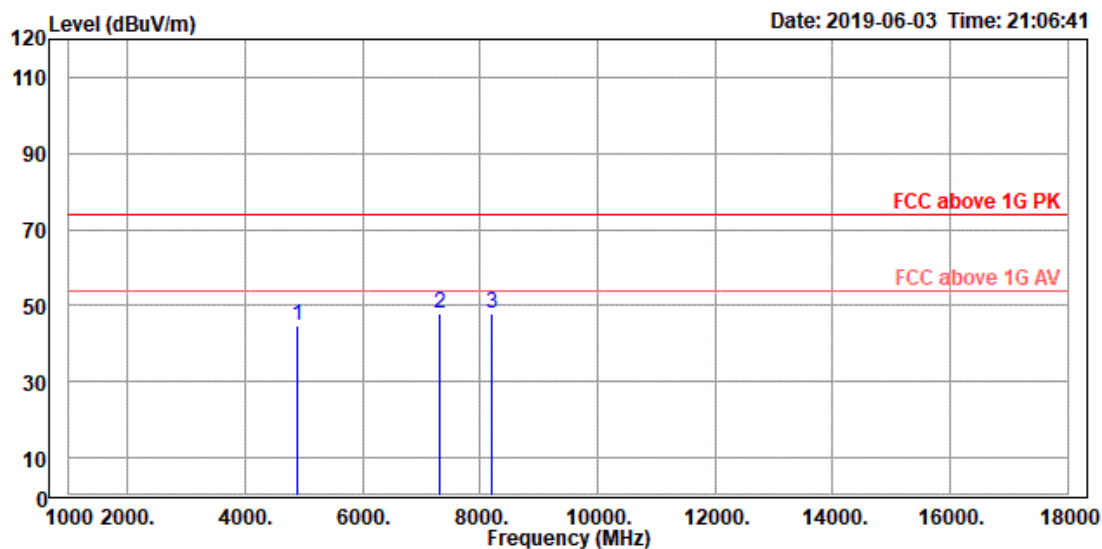
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	45.37	48.01	-2.64	74.00	-28.63	100	67	Peak	
2	7206.000	48.14	42.88	5.26	74.00	-25.86	100	1	Peak	
3	7834.000	47.03	41.22	5.81	74.00	-26.97	100	359	Peak	



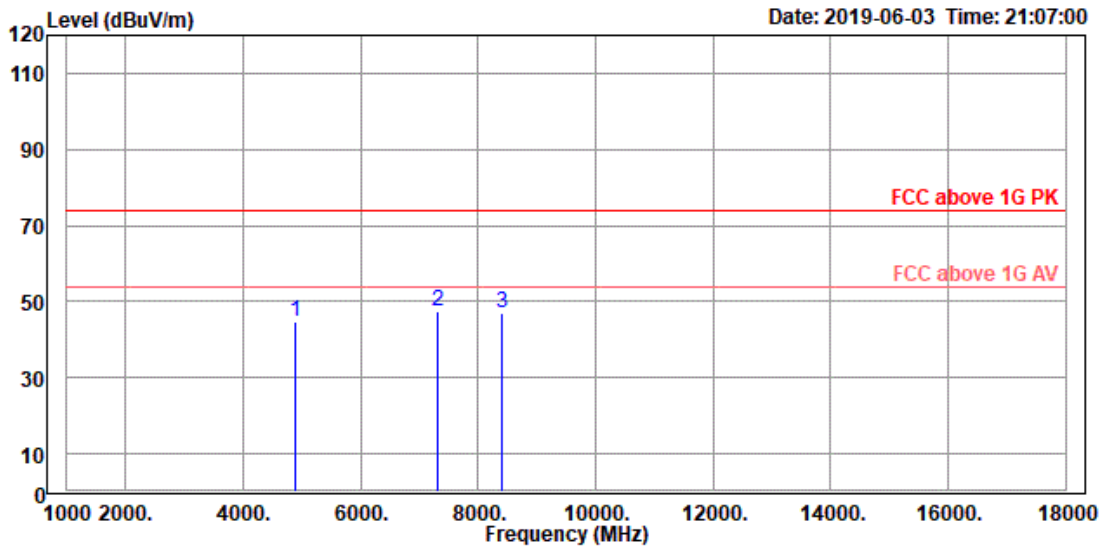
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	44.53	47.17	-2.64	74.00	-29.47	100	316	Peak	
2	7206.000	46.61	41.35	5.26	74.00	-27.39	100	313	Peak	
3	8395.000	47.00	40.58	6.42	74.00	-27.00	100	160	Peak	



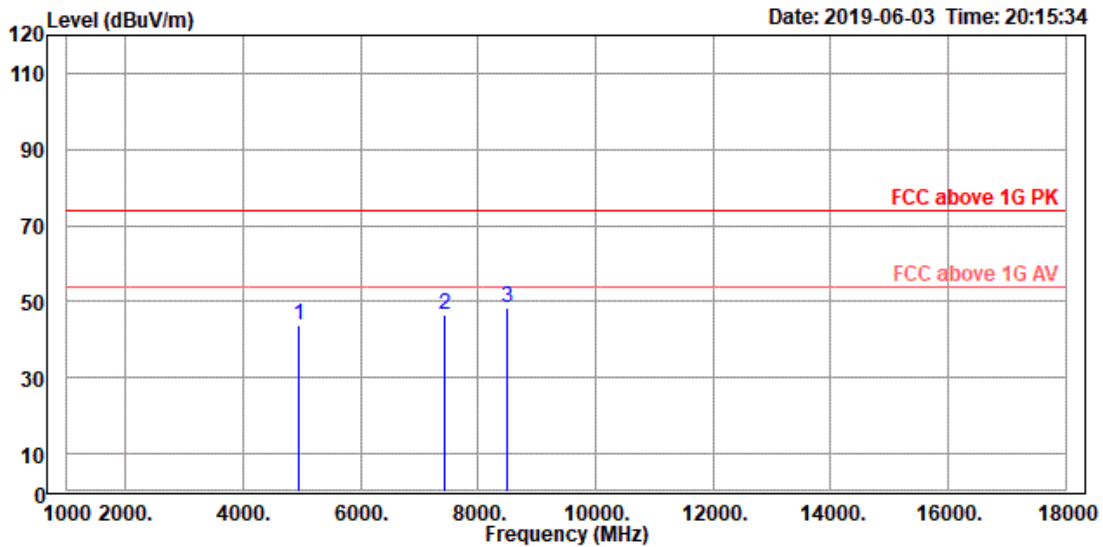
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	44.59	47.04	-2.45	74.00	-29.41	109	201	Peak	
2	7320.000	47.78	42.24	5.54	74.00	-26.22	109	201	Peak	
3	8191.000	47.80	41.74	6.06	74.00	-26.20	109	194	Peak	



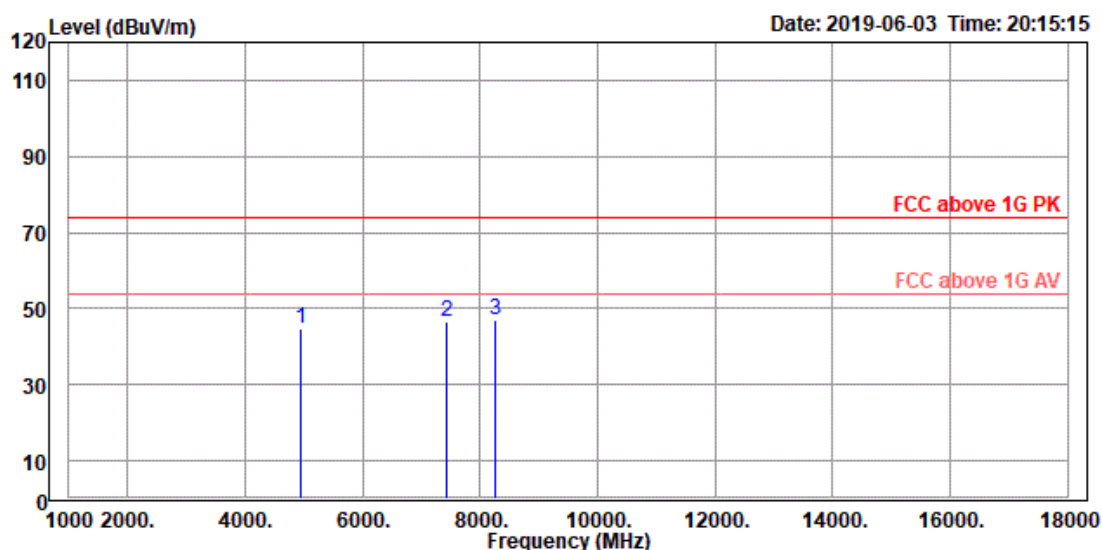
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	44.80	47.25	-2.45	74.00	-29.20	102	121	Peak	
2	7320.000	47.23	41.69	5.54	74.00	-26.77	102	215	Peak	
3	8395.000	46.81	40.39	6.42	74.00	-27.19	102	147	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.86	46.11	-2.25	74.00	-30.14	100	1	Peak	
2	7440.000	46.58	40.75	5.83	74.00	-27.42	100	282	Peak	
3	8497.000	48.59	41.98	6.61	74.00	-25.41	100	0	Peak	



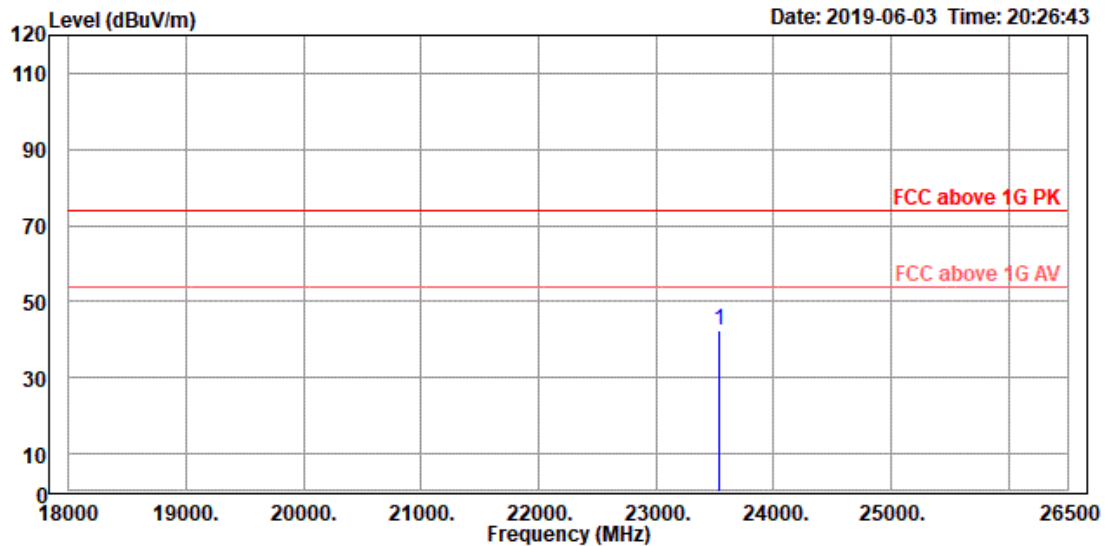
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.68	46.93	-2.25	74.00	-29.32	100	352	Peak	
2	7440.000	46.55	40.72	5.83	74.00	-27.45	100	360	Peak	
3	8259.000	47.05	40.87	6.18	74.00	-26.95	100	360	Peak	

Spurious Emissions, TX Mode, 18-26G

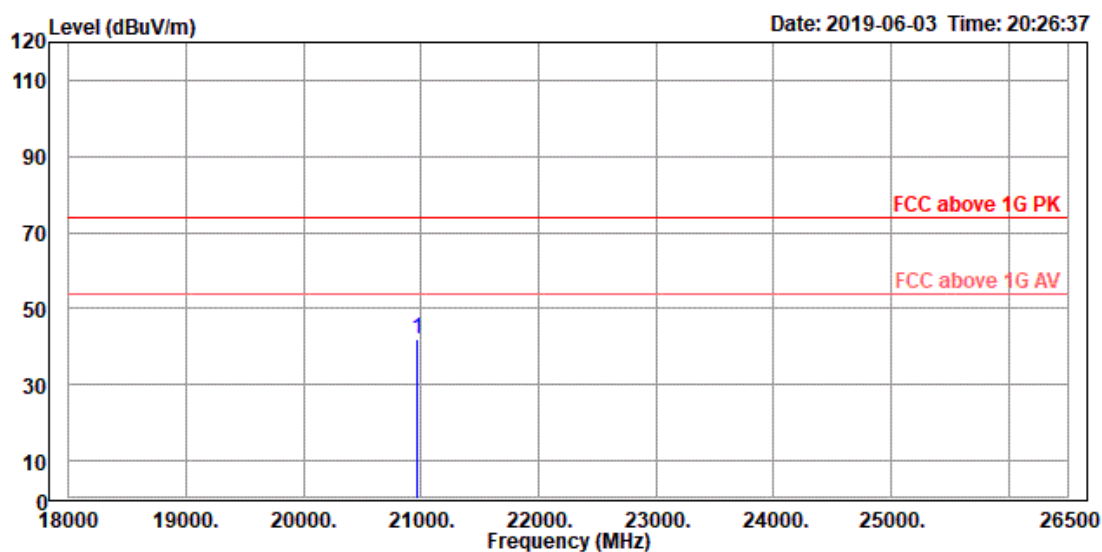


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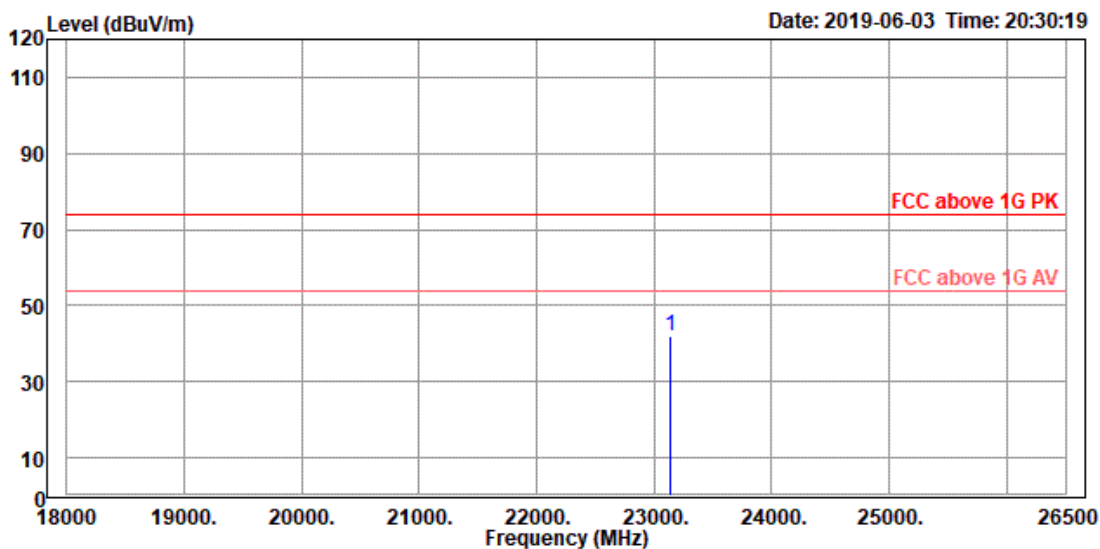
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23533.500	42.21	36.94	5.27	74.00	-31.79	100	358	Peak	



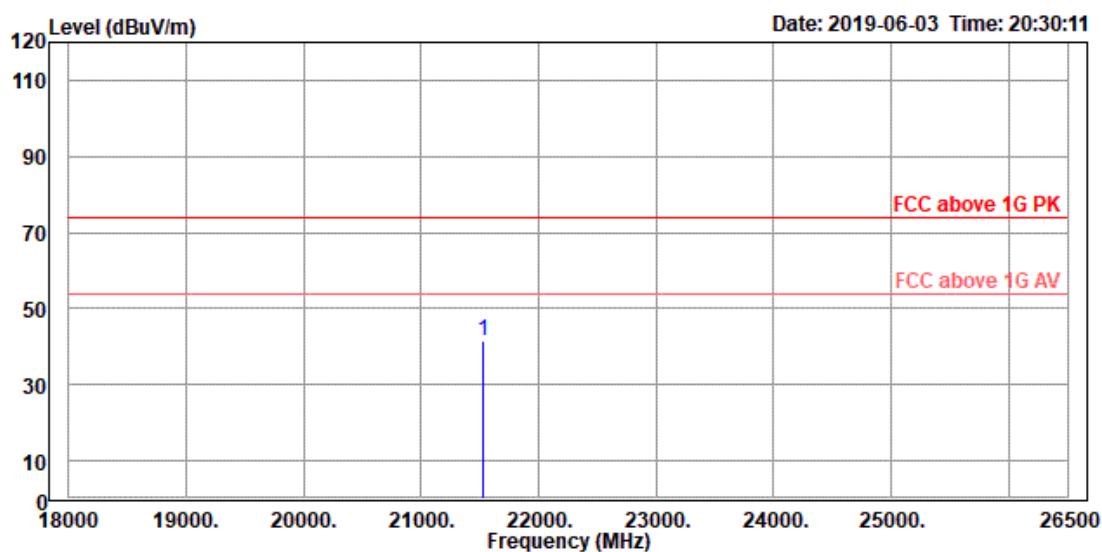
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2402
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20966.500	41.84	37.54	4.30	74.00	-32.16	100	131	Peak	



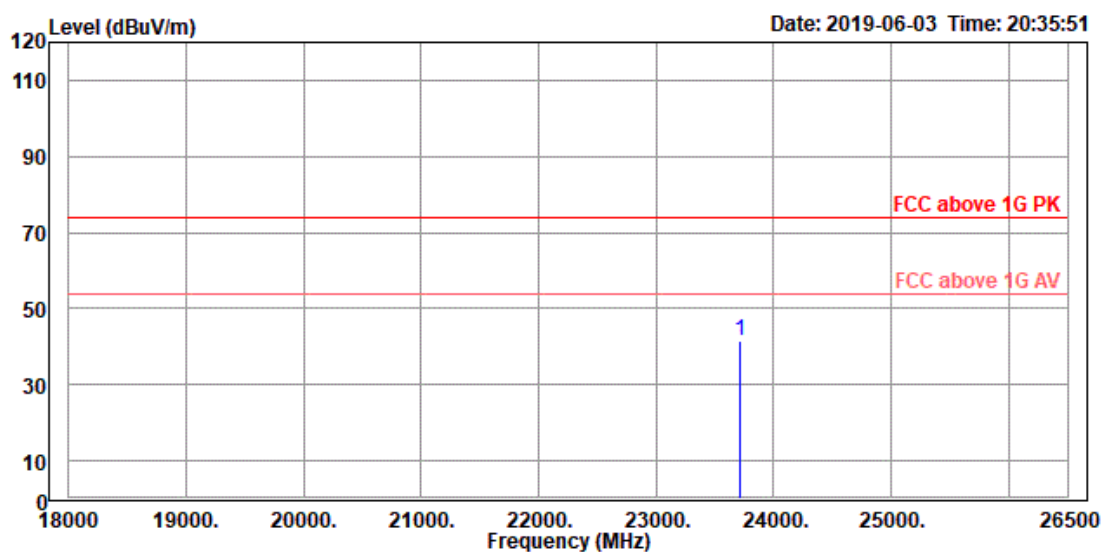
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23134.000	42.00	36.82	5.18	74.00	-32.00	100	6	Peak	



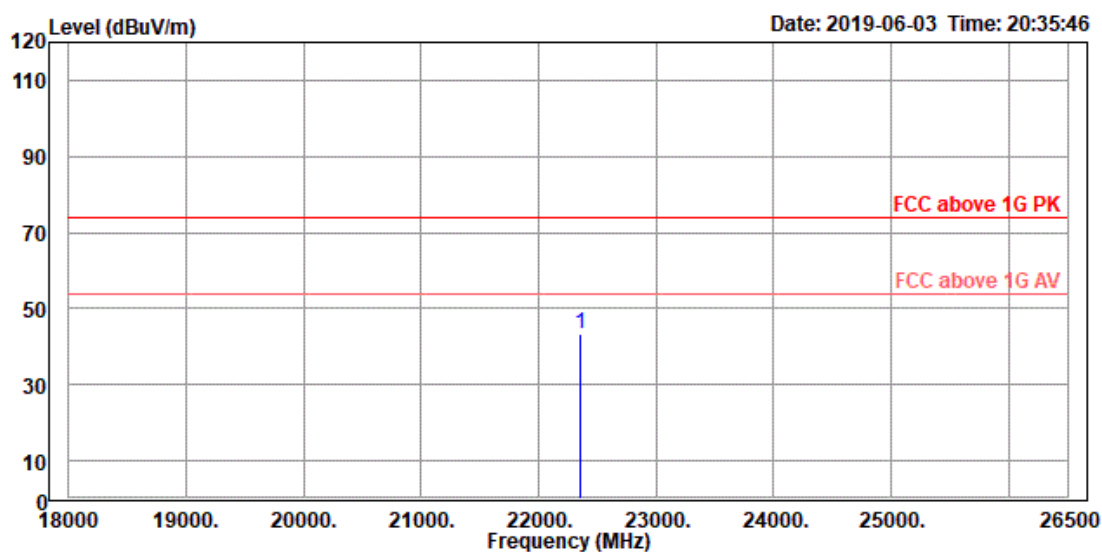
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21519.000	41.62	37.30	4.32	74.00	-32.38	100	208	Peak	



Site : 966A Chamber A
 Condition : FCC above 1G PK 3m horizontal
 Test Engineer: Kevin Kuo
 Product : Acure
 Model No. : Acure 250
 Test Rating : DC 7.4V 1.5A
 Tmp/Hum : 22 °C / 61 %
 Power Setting: default
 Mode : Harmonic-TX-2480
 Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23712.000	41.66	36.40	5.26	74.00	-32.34	100	136	Peak	



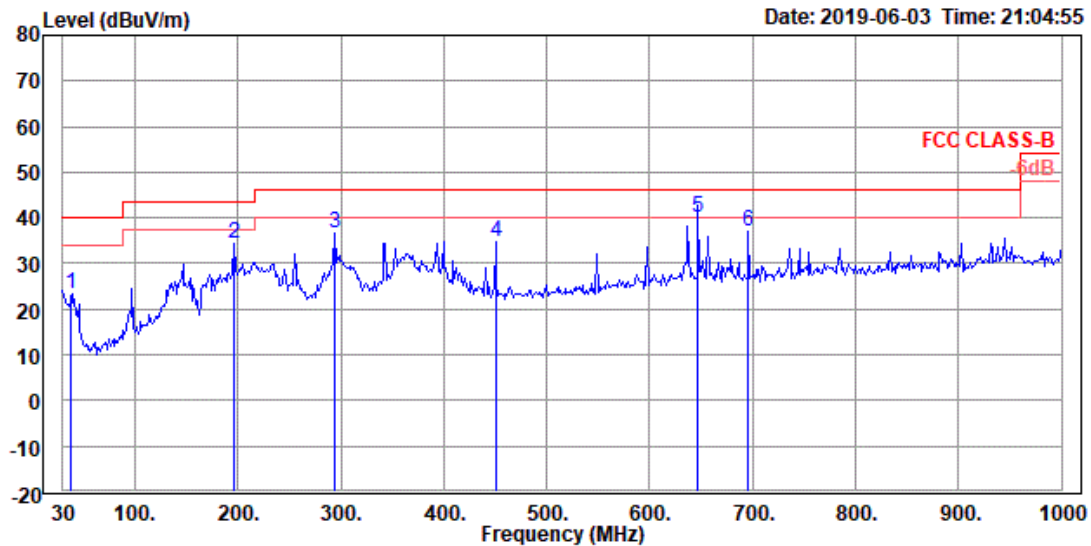
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Harmonic-TX-2480
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	22352.000	43.12	38.48	4.64	74.00	-30.88	100	101	Peak	

Spurious Emissions, TX Mode, 30M-1G

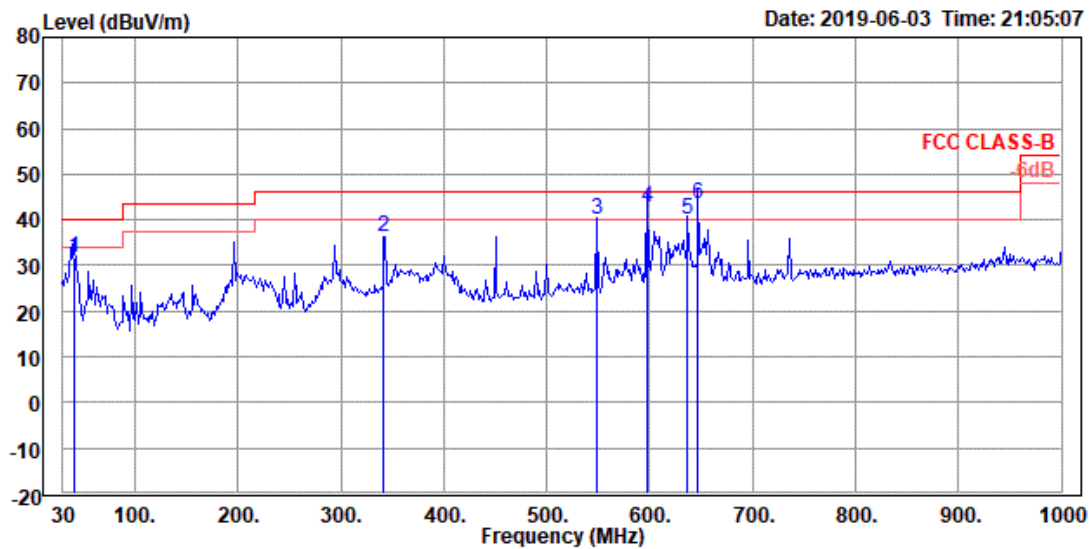


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Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Emission-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	38.435	23.50	28.38	-4.88	40.00	-16.50	100	253	QP	
2	195.884	34.54	43.70	-9.16	43.50	-8.96	100	220	QP	
3	294.290	36.75	41.44	-4.69	46.00	-9.25	109	120	QP	
4	450.333	34.84	36.79	-1.95	46.00	-11.16	100	266	QP	
5	647.145	40.09	39.31	0.78	46.00	-5.91	100	286	QP	
6	696.348	36.88	35.46	1.42	46.00	-9.12	114	312	QP	



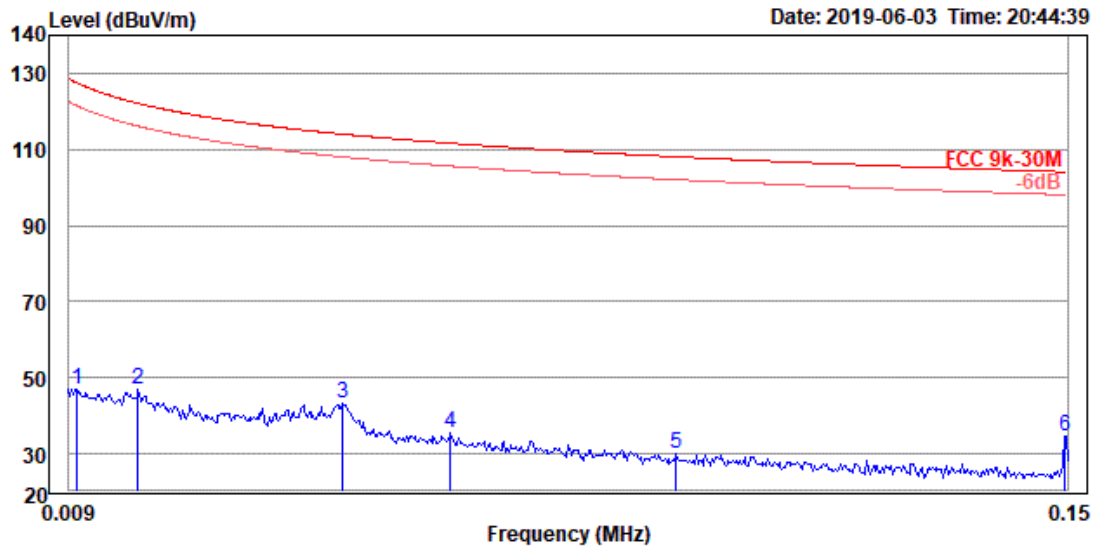
Site : 966A Chamber A
Condition : FCC CLASS-B 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Emission-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	41.246	31.84	38.39	-6.55	40.00	-8.16	100	0	QP	
2	342.087	36.41	39.95	-3.54	46.00	-9.59	101	230	QP	
3 !	548.739	40.00	40.70	-0.70	46.00	-6.00	100	0	QP	
4 !	597.942	42.66	42.43	0.23	46.00	-3.34	100	360	QP	
5 !	637.304	40.07	39.29	0.78	46.00	-5.93	100	352	QP	
6 !	647.145	43.69	42.91	0.78	46.00	-2.31	117	15	QP	

Spurious Emissions, TX Mode, 9k - 30M

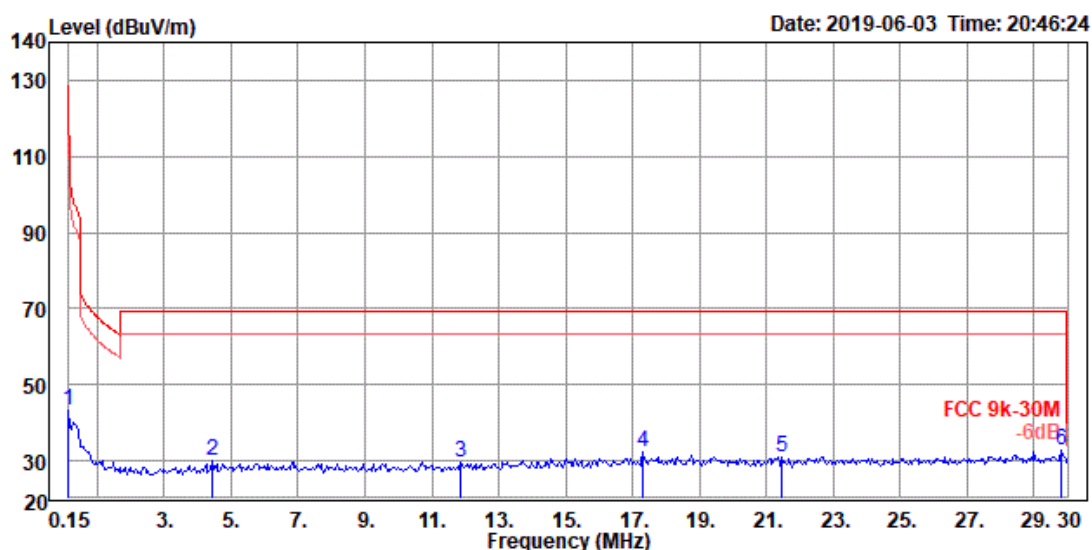


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Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Emission-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.010	47.08	28.56	18.52	127.57	-80.49	100	105	QP	
2	0.019	46.70	27.83	18.87	122.10	-75.40	100	241	QP	
3	0.048	43.29	24.32	18.97	114.04	-70.75	100	135	QP	
4	0.063	35.65	16.89	18.76	111.61	-75.96	100	79	QP	
5	0.095	30.01	11.63	18.38	108.06	-78.05	100	71	QP	
6	0.150	34.78	16.43	18.35	104.10	-69.32	100	108	QP	



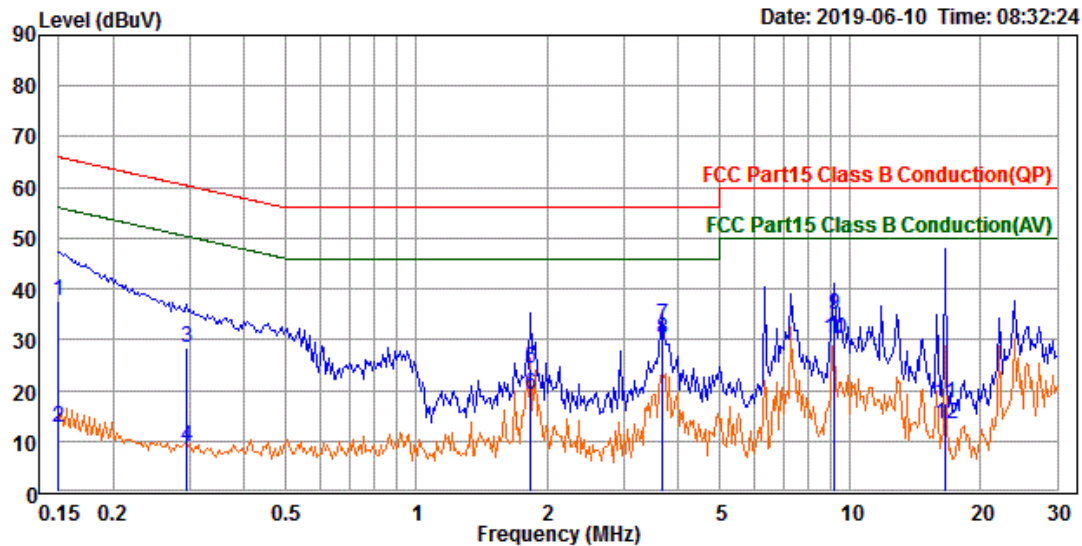
Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Acure
Model No. : Acure 250
Test Rating : DC 7.4V 1.5A
Tmp/Hum : 22 °C / 61 %
Power Setting: default
Mode : Emission-TX-2440
Memo : Z-平放

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	43.35	25.00	18.35	104.08	-60.73	100	203	QP	
2	4.433	29.86	10.66	19.20	69.50	-39.64	100	93	QP	
3	11.874	29.74	9.08	20.66	69.50	-39.76	100	286	QP	
4	17.325	32.19	10.89	21.30	69.50	-37.31	100	104	QP	
5	21.478	31.01	9.36	21.65	69.50	-38.49	100	43	QP	
6	29.827	32.81	10.85	21.96	69.50	-36.69	100	61	QP	

Spurious Emissions, AC Mains



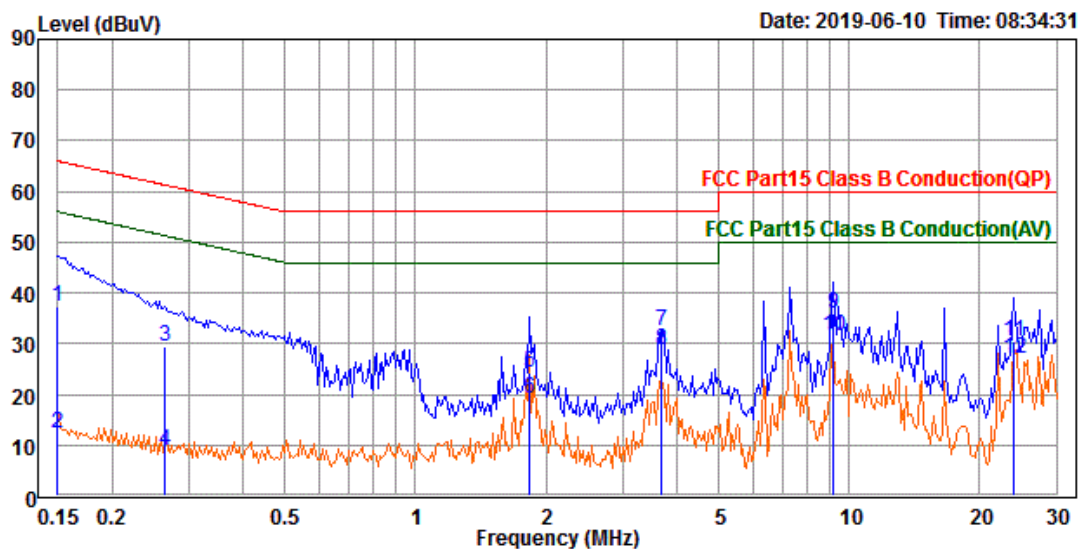
TUV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Amy Hsu
Model No. : Acure 250
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.7°C / 32 %
Power Setting: default
Mode : BLE TX 2402
Memo : Z(平躺))
Product : Acure 250

	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	27.96	9.68	37.64	66.00	-28.36	QP
2	0.150	2.82	9.68	12.50	56.00	-43.50	Average
3	0.295	18.84	9.68	28.52	60.39	-31.87	QP
4	0.295	-0.76	9.68	8.92	50.39	-41.47	Average
5	1.837	14.63	9.72	24.35	56.00	-31.65	QP
6	1.837	9.32	9.72	19.04	46.00	-26.96	Average
7	3.683	23.23	9.74	32.97	56.00	-23.03	QP
8	3.683	20.28	9.74	30.02	46.00	-15.98	Average
9	9.191	25.03	9.83	34.86	60.00	-25.14	QP
10	9.191	20.39	9.83	30.22	50.00	-19.78	Average
11	16.523	7.59	9.85	17.44	60.00	-42.56	QP
12	16.523	3.53	9.85	13.38	50.00	-36.62	Average



Trace: 1

Site : Conduction room

Condition : FCC Part15 Class B Conduction(QP) neutral

Test Engineer: Amy Hsu

Model No. : Acure 250

Test Rating : 120Vac/60Hz

Tmp/Hum : 23.7°C / 32 %

Power Setting: default

Mode : BLE TX 2402

Memo : Z(平躺))

Product : Acure 250

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	27.70	9.68	37.38	66.00	-28.62	QP
2	0.150	2.68	9.68	12.36	56.00	-43.64	Average
3	0.264	19.83	9.68	29.51	61.29	-31.78	QP
4	0.264	-0.72	9.68	8.96	51.29	-42.33	Average
5	1.837	14.52	9.72	24.24	56.00	-31.76	QP
6	1.837	9.30	9.72	19.02	46.00	-26.98	Average
7	3.683	22.93	9.74	32.67	56.00	-23.33	QP
8	3.683	18.89	9.74	28.63	46.00	-17.37	Average
9	9.191	26.08	9.83	35.91	60.00	-24.09	QP
10	9.191	21.50	9.83	31.33	50.00	-18.67	Average
11	23.869	20.58	9.93	30.51	60.00	-29.49	QP
12	23.869	17.06	9.93	26.99	50.00	-23.01	Average