Test Report No.50129425 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50129425AppendixD)

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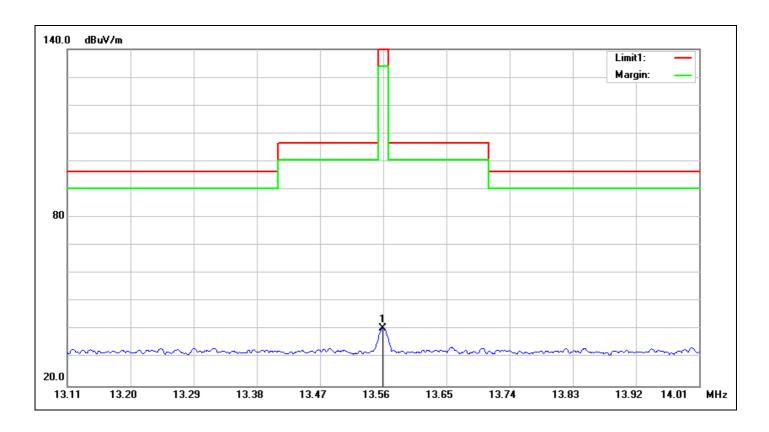
Emissions, Fundamental



TUV Rheinland Taiwan Ltd.

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.: 114072120 Test Distance: 1.2m

Test Standard: FCC 15.225_Fundamental_1.2m(dBuV/m) Ant. Polarization:

Test item: Radiation Emission Test Time: 2018/2/1 19:44:35

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.(°C)/Hum.(%): 19(°C)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
	(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
1	13.5591	20.84	19.86	40.70	139.90	-99.20	QP	100	82	

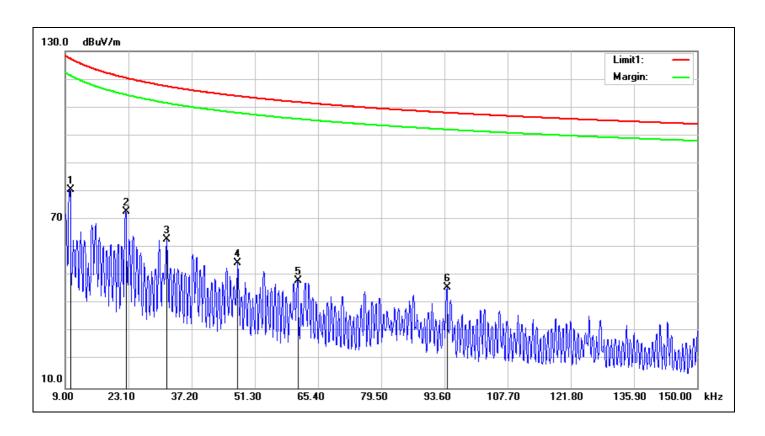
Spurious Emissions, TX Mode, 0.009-30M



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Service No.: 114072120 Test Distance: 3m

Test Standard: FCC15.209_9k-1G_3m Ant. Polarization:

Test item: Radiation Emission Test Time: 2018/2/1 19:19:14

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.($^{\circ}$ C)/Hum.($^{\circ}$): 19($^{\circ}$ C)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

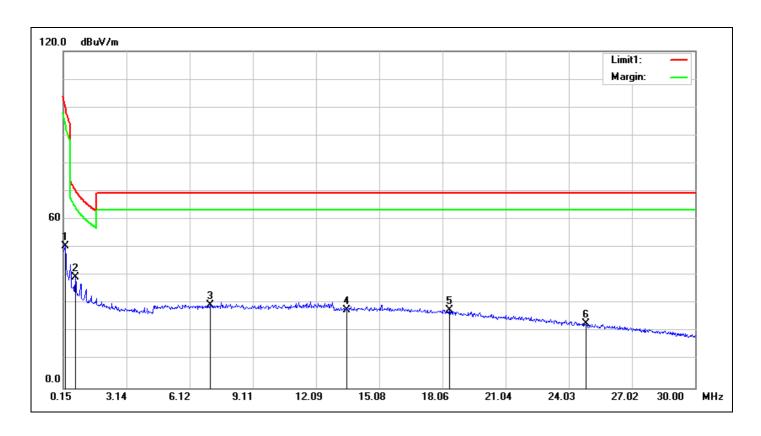
No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
	(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
1	0.0100	19.93	60.84	80.77	127.40	-46.63	QP	100	245	
2	0.0224	20.06	52.78	72.84	120.43	-47.59	QP	100	269	
3	0.0316	20.07	42.90	62.97	117.46	-54.49	QP	100	215	
4	0.0475	19.52	35.00	54.52	113.94	-59.42	QP	100	195	
5	0.0609	19.36	28.99	48.35	111.80	-63.45	QP	100	267	
6	0.0942	19.16	26.71	45.87	108.03	-62.16	QP	100	183	



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Service No.: 114072120 Test Distance: 3m

Test Standard: FCC15.209_9k-1G_3m Ant. Polarization:

Test item: Radiation Emission Test Time: 2018/2/1 19:25:28

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.($^{\circ}$ C)/Hum.($^{\circ}$): 19($^{\circ}$ C)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
	(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
1	0.2396	19.00	31.59	50.59	99.97	-49.38	QP	100	259	
2	0.7171	18.91	20.59	39.50	70.50	-31.00	QP	100	57	
3	7.0752	19.95	9.55	29.50	69.50	-40.00	QP	100	137	
4	13.5600	20.85	6.88	27.73	69.50	-41.77	QP	100	82	
5	18.3883	21.70	5.93	27.63	69.50	-41.87	QP	100	205	
6	24.8360	22.31	0.52	22.83	69.50	-46.67	QP	100	164	

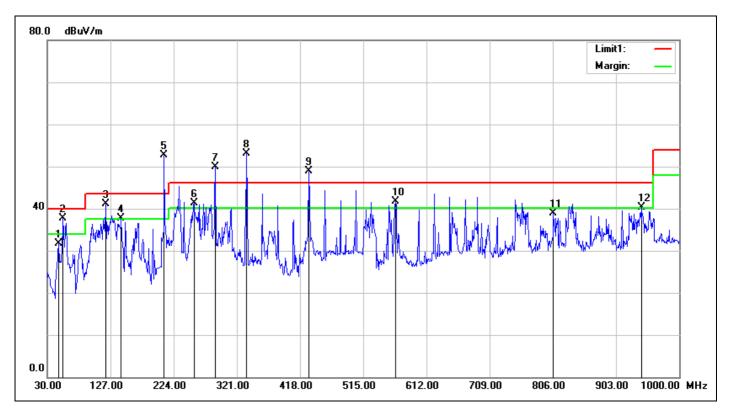
Spurious Emissions, TX Mode, 30M-1G



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Service No.: 114072120 Test Distance: 3m

Test Standard: FCC 15.209_30M-40G_3m Ant. Polarization: Horizontal

Test item: Radiation Emission Test Time: 2018/2/1 20:16:13

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.($^{\circ}$ C)/Hum.($^{\circ}$): 19($^{\circ}$ C)/56%

Model No.: X610 Test Engineer:

Test Mode: 13.56-Tx

Remark:

No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
	(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
1	47.4600	-10.07	41.74	31.67	40.00	-8.33	QP	300	257	
2	54.2500	-12.39	50.08	37.69	40.00	-2.31	QP	258	348	EUT motor
3	119.2399	-7.50	48.51	41.01	43.52	-2.51	QP	300	359	EUT motor
4	143.4900	-7.12	44.91	37.79	43.52	-5.73	QP	300	124	
5	209.4499	-8.57	61.28	52.71	43.52	9.19	QP	200	87	EUT motor
6	255.0398	-5.35	46.67	41.32	46.02	-4.70	QP	200	162	
7	288.0199	-4.87	54.86	49.99	46.02	3.97	QP	200	227	EUT motor
8	335.5500	-3.70	56.78	53.08	46.02	7.06	QP	200	133	EUT motor

Kai Wang

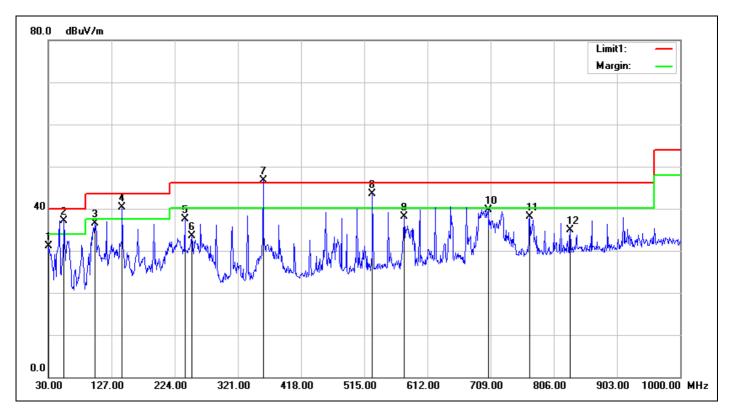
9	431.5800	-2.10	50.97	48.87	46.02	2.85	QP	164	358	EUT motor
10	564.4699	-0.30	42.01	41.71	46.02	-4.31	QP	200	257	
11	806.9699	2.90	35.92	38.82	46.02	-7.20	QP	200	149	
12	941.7998	5.26	34.96	40.22	46.02	-5.80	QP	200	265	



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Service No.: 114072120 Test Distance:

Test Standard: FCC 15.209_30M-40G_3m Ant. Polarization: Vertical

Test item: Radiation Emission Test Time: 2018/2/1 20:21:33

3m

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.($^{\circ}$)/Hum.($^{\circ}$): 19($^{\circ}$)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
	(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
1	30.9697	-0.79	31.91	31.12	40.00	-8.88	QP	100	168	
2	54.2500	-12.39	49.55	37.16	40.00	-2.84	QP	100	46	EUT motor
3	101.7800	-9.27	45.86	36.59	43.52	-6.93	QP	100	249	
4	143.4900	-7.12	47.38	40.26	43.52	-3.26	QP	100	341	EUT motor
5	239.5200	-6.85	44.28	37.43	46.02	-8.59	QP	144	354	EUT motor
6	250.1897	-5.76	39.19	33.43	46.02	-12.59	QP	100	219	
7	359.8000	-3.17	49.96	46.79	46.02	0.77	QP	100	329	EUT motor
8	527.6100	-0.78	44.36	43.58	46.02	-2.44	QP	118	105	EUT motor
9	576.1100	-0.17	38.28	38.11	46.02	-7.91	QP	200	175	EUT motor
10	705.1200	1.38	38.36	39.74	46.02	-6.28	QP	100	227	

11	769.1399	2.52	35.53	38.05	46.02	-7.97	QP	100	163	
12	831.2199	3.36	31.48	34.84	46.02	-11.18	QP	100	248	

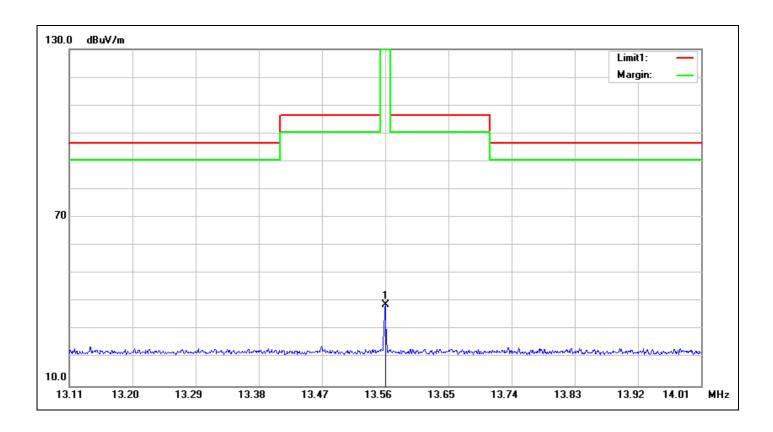
Emission Mask



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Service No.: 114072120 Test Distance: 1.2m

Test Standard: FCC 15.225_Fundamental_1.2m(dBuV/m) Ant. Polarization: Vertical

Test item: Radiation Emission Test Time: 2018/2/1 19:52:27

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.($^{\circ}$ C)/Hum.($^{\circ}$): 19($^{\circ}$ C)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

I	No.	Frequency	Factor	Reading	Level	Limit	Margin	Det.	Height	Azimuth	Remark
		(MHz)	(dB/m)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(•)	
	1	13.5600	20.85	18.23	39.08	139.90	-100.82	QP	100	82	

Remark:

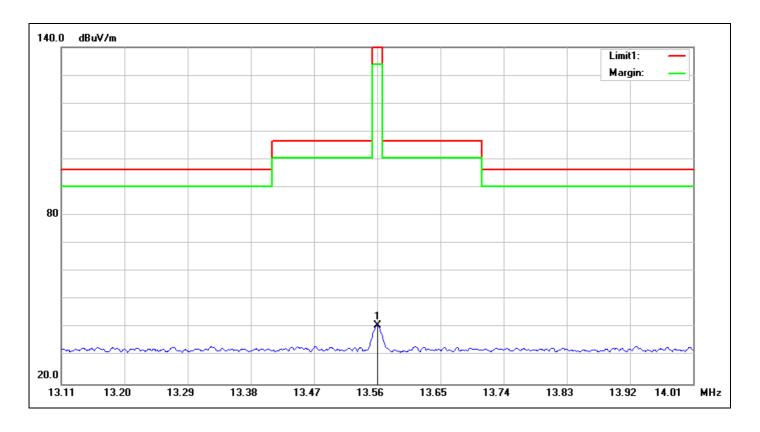
1k



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Service No.: 114072120 Test Distance: 1.2m

Test Standard: FCC 15.225_Fundamental_1.2m(dBuV/m) Ant. Polarization: Vertical

Test item: Radiation Emission Test Time: 2018/2/1 20:03:52

Applicant: HiTi Digital, Inc. Test Rating: AC 120V/60Hz

Product: HITI X610 PHOTO PRINTER Temp.(℃)/Hum.(%): 19(℃)/56%

Model No.: X610 Test Engineer: Kai Wang

Test Mode: 13.56-Tx

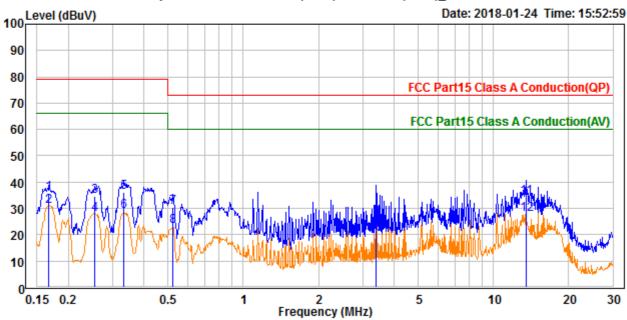
9k

No. Frequency **Factor** Reading Level Limit Margin Det. Height **Azimuth** Remark (MHz) (dB/m) (dBuV/m) (dBuV/m) (•) (dBuV)(dB) (cm) 40.90 1 13.5600 20.85 20.05 139.90 -99.00 QP 100 82

Mains Emission







Site : Conduction room

Condition : FCC Part15 Class A Conduction(QP) line1

Test Engineer: Kai Wang Applicant : HiTi

Product : Photo printer

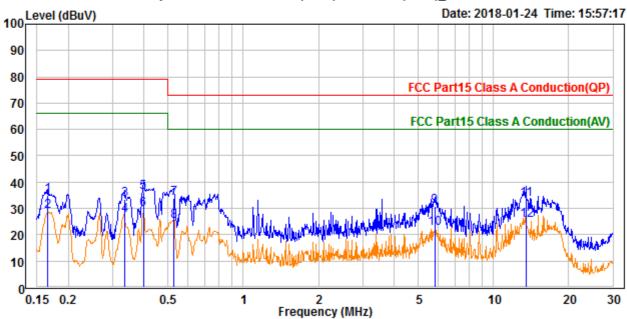
Model No. : X610

Test Rating : 120Vac/60Hz Tmp/Hum : 23.1 ℃ / 42 %

		Read			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.167	25.93	9.66	35.59	79.00	-43.41	QP
2	0.167	20.96	9.66	30.62	66.00	-35.38	Average
3	0.254	25.01	9.66	34.67	79.00	-44.33	QP
4	0.254	18.18	9.66	27.84	66.00	-38.16	Average
5	0.333	26.53	9.66	36.19	79.00	-42.81	QP
6	0.333	19.10	9.66	28.76	66.00	-37.24	Average
7	0.524	20.85	9.66	30.51	73.00	-42.49	QP
8	0.524	13.39	9.66	23.05	60.00	-36.95	Average
9	3.381	16.88	9.71	26.59	73.00	-46.41	QP
10	3.381	10.44	9.71	20.15	60.00	-39.85	Average
11	13.514	24.35	9.80	34.15	73.00	-38.85	QP
12	13.514	17.99	9.80	27.79	60.00	-32.21	Average







Site : Conduction room

Condition : FCC Part15 Class A Conduction(QP) neutral

Test Engineer: Kai Wang Applicant : HiTi

Product : Photo printer

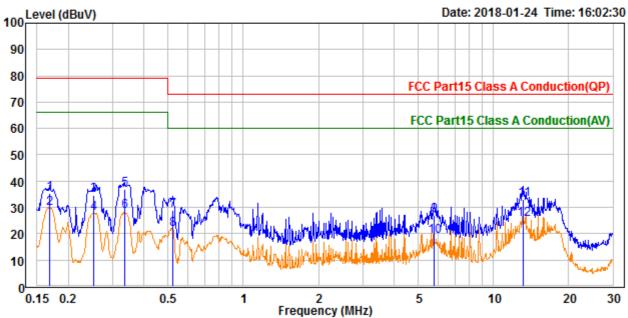
Model No. : X610

Test Rating : 120Vac/60Hz Tmp/Hum : 23.1 ℃ / 42 %

		Read			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.166	25.31	9.67	34.98	79.00	-44.02	QP
2	0.166	19.09	9.67	28.76	66.00	-37.24	Average
3	0.335	23.66	9.66	33.32	79.00	-45.68	QP
4	0.335	17.53	9.66	27.19	66.00	-38.81	Average
5	0.398	26.55	9.66	36.21	79.00	-42.79	QP
6	0.398	19.95	9.66	29.61	66.00	-36.39	Average
7	0.527	24.11	9.66	33.77	73.00	-39.23	QP
8	0.527	15.35	9.66	25.01	60.00	-34.99	Average
9	5.820	20.97	9.75	30.72	73.00	-42.28	QP
10	5.820	12.53	9.75	22.28	60.00	-37.72	Average
11	13.514	23.72	9.83	33.55	73.00	-39.45	QP
12	13.514	15.81	9.83	25.64	60.00	-34.36	Average







Site : Conduction room

Condition : FCC Part15 Class A Conduction(QP) line1

Test Engineer: Kai Wang Applicant : HiTi

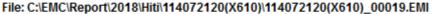
Product : Photo printer

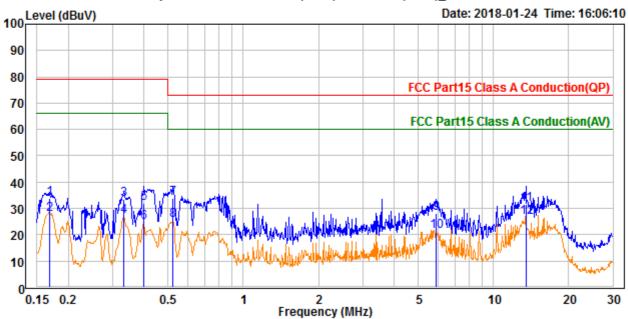
Model No. : X610

Test Rating : 240Vac/60Hz Tmp/Hum : 23.1 ℃ / 42 %

		Read			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.168	25.68	9.66	35.34	79.00	-43.66	QP
2	0.168	19.82	9.66	29.48	66.00	-36.52	Average
3	0.253	24.88	9.66	34.54	79.00	-44.46	QP
4	0.253	18.10	9.66	27.76	66.00	-38.24	Average
5	0.335	27.34	9.66	37.00	79.00	-42.00	QP
6	0.335	18.83	9.66	28.49	66.00	-37.51	Average
7	0.524	19.34	9.66	29.00	73.00	-44.00	QP
8	0.524	12.11	9.66	21.77	60.00	-38.23	Average
9	5.791	17.44	9.73	27.17	73.00	-45.83	QP
10	5.791	9.44	9.73	19.17	60.00	-40.83	Average
11	13.181	23.20	9.80	33.00	73.00	-40.00	QP
12	13.181	15.53	9.80	25.33	60.00	-34.67	Average







Site : Conduction room

Condition : FCC Part15 Class A Conduction(QP) neutral

Test Engineer: Kai Wang Applicant : HiTi

Product : Photo printer

Model No. : X610

Test Rating : 240Vac/60Hz Tmp/Hum : 23.1 [∞] / 42 %

		Read			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.168	24.08	9.67	33.75	79.00	-45.25	QP
2	0.168	18.07	9.67	27.74	66.00	-38.26	Average
3	0.333	23.70	9.66	33.36	79.00	-45.64	QP
4	0.333	17.15	9.66	26.81	66.00	-39.19	Average
5	0.400	22.21	9.66	31.87	79.00	-47.13	QP
6	0.400	15.22	9.66	24.88	66.00	-41.12	Average
7	0.524	24.30	9.66	33.96	73.00	-39.04	QP
8	0.524	15.76	9.66	25.42	60.00	-34.58	Average
9	5.879	18.28	9.75	28.03	73.00	-44.97	QP
10	5.879	11.53	9.75	21.28	60.00	-38.72	Average
11	13.514	21.65	9.83	31.48	73.00	-41.52	QP
12	13.514	16.64	9.83	26.47	60.00	-33.53	Average