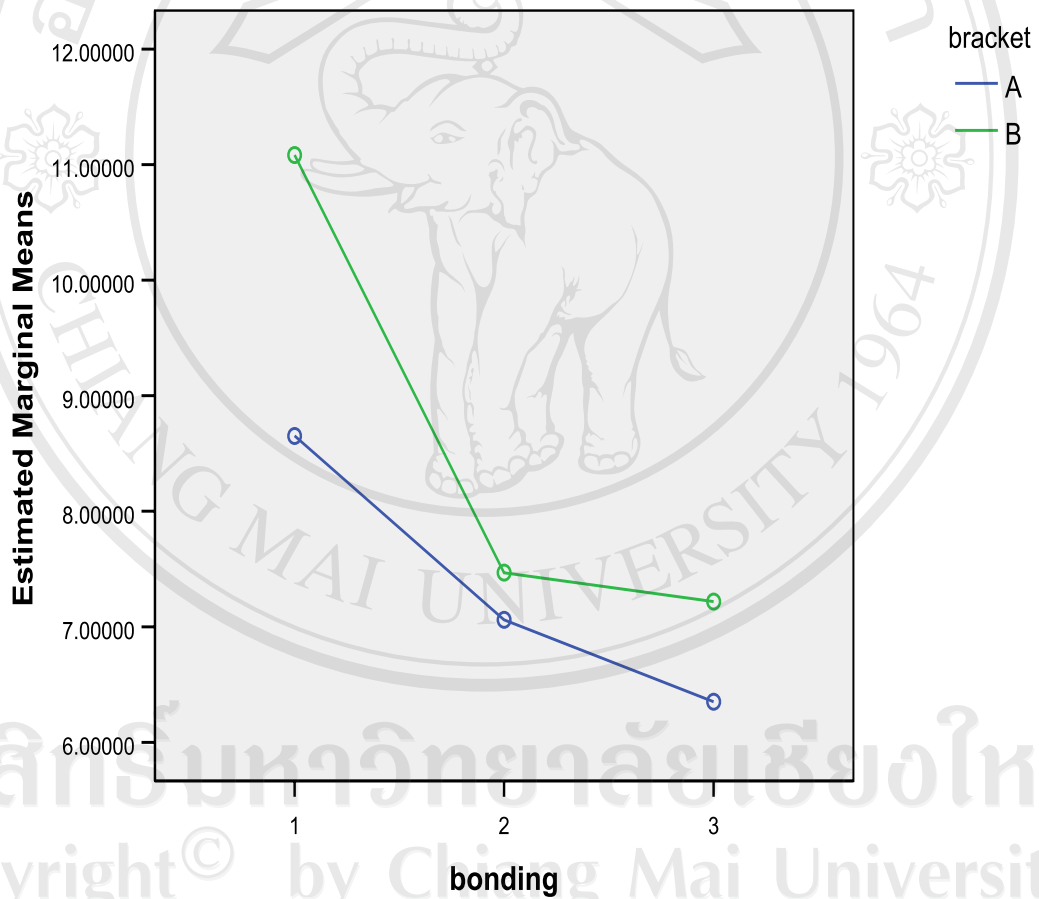


## APPENDIX

Table 9 The data of shear bond strength in group 1 (Phosphoric acid with Clarity™ ceramic bracket), group 2 (Phosphoric acid with APC Plus Clarity™ ceramic bracket), group 3 (Clearfil SE bond with Clarity™ ceramic bracket), group 4 (Clearfil SE bond with APC Plus Clarity™ ceramic bracket), group 5 (Clearfil S<sup>3</sup> bond with Clarity™ ceramic bracket) and group 6 (Clearfil S<sup>3</sup> bond with APC Plus Clarity™ ceramic bracket)

n	Shear bond strength (N/mm <sup>2</sup> , MPa)					
	group 1	group 2	group 3	group 4	group 5	group 6
1	6.63763	10.82727	4.59949	9.47641	4.85981	10.47641
2	7.47071	8.35461	6.84483	10.72664	8.56779	6.72664
3	7.63577	15.55473	5.52714	6.42433	5.87175	9.42433
4	9.43125	12.19649	8.76015	5.85211	4.14914	4.85211
5	8.25002	6.51510	7.60001	5.90767	6.02045	5.90767
6	7.62237	5.17164	5.90101	9.31702	4.33865	7.31702
7	8.72688	5.71318	4.67356	8.90160	9.85548	7.90160
8	7.66576	14.83254	4.54308	5.56044	6.10507	4.56044
9	4.43000	15.32434	8.40148	6.25244	5.52818	6.25244
10	9.38836	10.23231	7.38279	5.11348	3.40304	4.11348
11	9.59428	10.45085	8.18029	6.35686	9.36961	5.35686
12	9.71269	8.91075	7.82118	6.22847	2.26776	7.22847
13	9.91509	7.62168	7.66081	6.11242	7.07633	6.11242
14	9.87779	14.03092	6.24687	7.19883	7.63233	7.19883
15	9.62030	10.40501	3.82493	7.20760	8.56398	6.20760
16	8.54159	9.05303	9.90204	8.70342	7.24420	11.70342
17	9.67064	15.14740	9.90729	7.98908	9.44647	9.98908
18	9.15099	14.90843	6.93052	7.32658	7.90349	5.32658
19	9.89675	12.31814	9.39747	9.67410	5.79471	13.67410
20	9.79251	14.07885	7.10103	9.02331	3.01886	4.02331

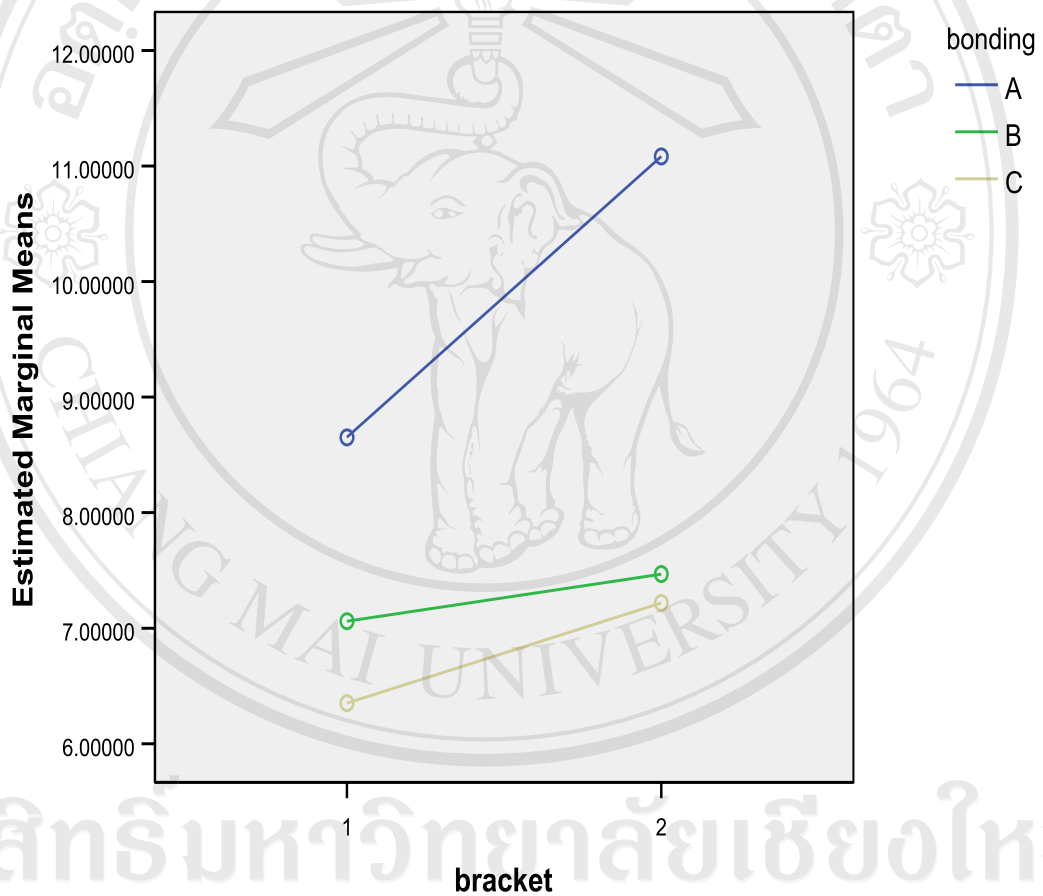
Figure 33 The shear bond strength graph of APC Plus Clarity™ ceramic bracket and Clarity™ ceramic bracket with 37% phosphoric acid, Clearfil SE bond and Clearfil S<sup>3</sup> bond



Bracket : A = Clarity™ ceramic bracket, B = APC Plus Clarity™ ceramic bracket

Bonding : 1 = 37% phosphoric acid, 2 = Clearfil SE bond, 3 = Clearfil S<sup>3</sup> bond

Figure 34 The shear bond strength graph of 37%phosphoric acid, Clearfil SE bond and Clearfil S<sup>3</sup> bond bonded with APC Plus Clarity™ceramic bracket and Clarity™ ceramic bracket



Bonding : A = 37%phosphoric acid, B = Clearfil SE bond, C = Clearfil S<sup>3</sup> bond

Bracket : 1 = Clarity™ ceramic bracket, 2 = APC Plus Clarity™ ceramic bracket

Table 10 The data of Adhesive Remnant Index scores (ARI scores) in group 1 (Phosphoric acid with Clarity™ ceramic bracket), group 2 (Phosphoric acid with APC Plus Clarity™ ceramic bracket), group 3 (Clearfil SE bond with Clarity™ ceramic bracket), group 4 (Clearfil SE bond with APC Plus Clarity™ ceramic bracket), group 5 (Clearfil S3 bond with Clarity™ ceramic bracket) and group 6 (Clearfil S3 bond with APC Plus Clarity™ ceramic bracket)

n	Adhesive Remnant Index scores (ARI scores)					
	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
1	1	1	1	0	2	1
2	3	2	1	1	0	1
3	3	1	1	0	1	1
4	3	0	0	1	1	1
5	3	2	0	1	1	1
6	3	2	2	1	0	1
7	3	1	0	0	1	1
8	3	1	0	1	1	0
9	3	0	2	0	1	1
10	3	1	0	1	1	1
11	3	2	1	1	2	0
12	3	2	0	1	1	1
13	3	1	1	0	1	1
14	3	2	3	0	1	1
15	3	2	1	2	1	1
16	3	1	1	1	0	0
17	1	1	2	0	2	1
18	3	3	3	1	1	1
19	3	1	3	0	3	1
20	3	2	0	1	0	0

ARI scores : 0, no adhesive left on tooth; 1, less than half of adhesive left on tooth; 2, more than half of adhesive left on tooth; 3, all adhesive left on tooth with a distinct impression of the bracket base.

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