



A Test Lab Techno Corp.

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SAR Exclusion Evaluation Report



Test Report No.	: 1510FS18
Applicant	: ELITEGROUP COMPUTER SYSTEMS CO., LTD
Manufacturer	: Elitegroup Computer Systems(SIP) CO., LTD.
Product Type	: Personal Computer
Trade Name	: ECS ELITEGROUP
Model Number	: EG20BA2, EG20BI2, EG20Bxx(x=0~9, A~Z or blank or "-")
Dates of Received	: Sep. 16, 2015
Dates of Test	: Oct. 02, 2015
Dates of Issued	: Oct. 16, 2015
Test Specification	: ANSI/IEEE C95.1-1999/ IEEE Std. 1528-2013 47 CFR § 2.1093 KDB 447498 D01 General RF Exposure Guidance v05r02 KDB 865664 D02 RF Exposure Reporting v01r01 KDB 616217 D04 SAR for laptop and tablets v01r01
Location of Test Lab.	: Chang-an Lab.

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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1. Description of Equipment under Test (EUT)

Applicant	ELITEGROUP COMPUTER SYSTEMS CO., LTD
Applicant Address	No.239, Sec. 2, Ti Ding Blvd., Taipei, Taiwan
Manufacturer	Elitegroup Computer Systems(SIP) CO., LTD.
Manufacturer Address	Integrated Free Trade Zone, No. 200 Central SuHong Road,SuZhou Industrial Park, JiangSu, P.R.China
Product Type	Personal Computer
Trade Name	ECS ELITEGROUP
Model Number	EG20BA2, EG20BI2, EG20Bxx(x=0~9, A~Z or blank or "-")
Model Different Description	Those model numbers differ from each other in selling region.
FCC ID	WL6-EG2NP00BA4
Operate Frequency	13.56 MHz
Modulation Type	ASK
Transmit Power (conducted power)	0.00004 mW / -43.09 dBm
Antenna Type	FPC Antenna

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in 47 CFR § 2.1093. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

2. SAR Test Exclusion

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table. The equation and threshold in section 4.3.1 must be applied to determine SAR test exclusion.

MHz	<50	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	237	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	mW
50	308	617	625	634	643	651	660	669	677	686	695	703	712	721	729	738	
10	474	948	961	975	988	1001	1015	1028	1041	1055	1068	1081	1095	1108	1121	1135	
1	711	1422	1442	1462	1482	1502	1522	1542	1562	1582	1602	1622	1642	1662	1682	1702	
0.1	948	1896	1923	1949	1976	2003	2029	2056	2083	2109	2136	2163	2189	2216	2243	2269	
0.05	1019	2039	2067	2096	2125	2153	2182	2211	2239	2268	2297	2325	2354	2383	2411	2440	
0.01	1185	2370	2403	2437	2470	2503	2537	2570	2603	2637	2670	2703	2737	2770	2803	2837	

2.1 Conducted Power

Operate Band	Frequency (MHz)	Max. Power	
		(dBm)	(mW)
NFC	13.56	-43.90	0.00004

2.2 Evaluation Results

The evaluation of SAR test reduction according to KDB447498

SAR test is not required when the results showed “SAR is not required”.

SAR test reduction according to KDB ≤ 50 mm

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Result (mW)	Threshold (mW)	Exclusion consideration
13.5615	48.92	14.18	63.1	0.00004	450	SAR is not required

Note: The test reduction for distance less than 50mm. Use the max power to make sure minimum distance by evaluated for SAR testing.

Estimated SAR for test separation distances ≤ 50 mm:

Operate Band	Frequency	Distance	Power	Estimated SAR _{1-g}
	(GHz)	(mm)	(mW)	(W/kg)
NFC	0.0135615	5	0.00004	0.0000001