

Radio Frequency Exposure Report

On Behalf of

E-matic

FCC ID: XHW-ET43KDBP
Product Description: Tablet PC
Model No.: FTABMP
Supplementary Model: FTABMB (the difference of these models is appearance color)
Brand Name: E-matic
Prepared for: E-matic
3435 Ocean Park Blvd. #107 PMB# 29 Santa Monica, CA 90405
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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Applicant:	E-matic
Address of Applicant:	3435 Ocean Park Blvd. #107 PMB# 29 Santa Monica, CA 90405
Manufacturer:	Shenzhen SmartBlue Technology Limited
Address of Manufacturer:	7F, No.6 Building, Yusheng Industrial Zone, No.467 Xixiang section of 107 National Rd, Xixiang Street, Bao'an District, Shenzhen

General Description of E.U.T

Items	Description
EUT Description:	Tablet PC
Trade Name:	E-matic
Model No.:	FTABMP
Supplementary Model:	FTABMB (the difference of these models is appearance color)
Frequency Band:	IEEE 802.11b/g, IEEE 802.11n HT20 (DTS Band) : 2412MHz~2462MHz, IEEE 802.11n HT40 (DTS Band) : 2422MHz~2452MHz
Channel Spacing:	IEEE 802.11b/g, 802.11n HT20/HT40: 5MHz
Number of Channels:	IEEE 802.11b/g, 802.11n HT20:11 Channels IEEE 802.11n HT40 :7 Channels
Transmit Data Rate:	IEEE802.11b : 11 , 5.5 , 2 , 1 Mbps IEEE802.11g : 54 , 48 , 36 , 24 , 18 , 12 , 9 , 6 Mbps IEEE802.11n HT20 : 130 , 117 , 104 , 78 , 52 , 39 , 26 , 13 Mbps IEEE802.11n HT40 : 270 , 243 , 216 , 162 , 108 , 81 , 54 , 27 Mbps
Type of Modulation:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20/40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	Built-in Antenna
Antenna Gain:	1dBi
Power Supply:	Input: DC3.7V 1100mAh for build-in battery
Adapter Information:	Model:FKS106HSC-0501500U Input:100-240V 50/60Hz 0.25A Max Output: 5VDC 1.5A

Remark: * The test data gathered are from the production sample provided by the manufacturer.

1.2 Test Standards

The following report is used to demonstrate that EUT is operated in a manner that ensures the public is not exposed to radio frequency energy levels and complied with the relative requirements of FCC Part 2 (Section 2.1091), FCC OET Bulletin 65, Supplement C (01-01) and IEEE C95.1.

1.3 RF Exposure Limit

Limits for Maximum Permissible Exposure: the output power is $\leq 60/f(\text{GHz})$ mW

1.4 RF Exposure Evaluation Method

For RF exposure report, the power limit is $60/f(\text{in GHz})$ mW,

Tx frequency range: 2412~2462MHz

For limit $60/f$ is equal:

$60/2.412=24.87\text{mW}$

$60/2.437=24.62\text{ mW}$

$60/2.462=24.37\text{mW}$

Maximum measured transmitter power: EIRP=conducted power + antenna Gain

1.5 Calculation Result of EIRP and Conducted Power

802.11b

Frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)	Result
2412	10.29	1	11.29	13.46	24.87	Pass
2437	10.17	1	11.17	13.09	24.62	Pass
2462	9.99	1	10.99	12.56	24.37	Pass

802.11g

Frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)	Result
2412	9.76	1	10.76	11.91	24.87	Pass
2437	9.43	1	10.43	11.04	24.62	Pass
2462	9.63	1	10.63	11.56	24.37	Pass

802.11n (HT20)

Frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)	Result
2412	5.55	1	6.55	4.52	24.87	Pass
2437	5.59	1	6.59	4.56	24.62	Pass
2462	5.38	1	6.38	4.35	24.37	Pass

802.11n (HT40)

Frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)	Result
2422	1.78	1	2.78	1.89	24.77	Pass
2437	1.66	1	2.66	1.85	24.62	Pass
2452	1.50	1	2.50	1.78	24.46	Pass