

Tel:(86) 755-26825180 Fax:(86) 755-86170310

Http://www.szmost.com Email: szmost@szmost.com

Test Report

Product Name: USB Bluetooth 2.0 Dongle

FCC ID: U3PSDB2U1C2V1V2

MODEL NO. : SD-B2U1C2-V1-BTW40, SD-B2U1C2-V1-BTW51, SD-B2U1C2-V2-BTW40, SD-B2U1C2-V2-BTW51, FG-B2U1C2-V1-BTW40, FG-B2U1C2-V1-BTW51, FG-B2U1C2-V2-BTW40, FG-B2U1C2-V2-BTW51

Applicant:

SPEED DRAGON MULTIMEDIA LIMITED

Rm 1312, Vanta Industrial Centre, 21-33 Tai Lin Pai Road, Kwai Chung, N.T. Hong Kong

Date Received: 01/21/2008-01/22/2008

Date Tested: 01/21/2008

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EMC Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.
					Interval
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	100492	Apr 06,2007	1 Year
LISN	ROHDE&SCHWARZ	ENV216	100093	Apr 06,2007	1Year
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	101202	Apr 06,2007	1 Year
Spectrum Analyzer	ANRITSU	MS2651B	6200238316	Apr 06,2007	1 Year
50 Ω Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Apr 06,2007	1 Year
Bilog Antenna	Sunol	JB3	A121206	Apr 06,2007	1 Year
Horn Antenna	EMCO	3115	640201028-0 6	Apr 06,2007	1 Year
50 Ω Coaxial Switch	ANRITSU CORP	MP59B	6200283933	Apr 06,2007	1 Year
Cable	Resenberger	N/A	NO.1	Apr 06,2007	1 Year
Cable	SCHWARZBECK	N/A	NO.2	Apr 06,2007	1 Year
Cable	SCHWARZBECK	N/A	NO.3	Apr 06,2007	1 Year
Single Phase Power Line Filter	Kikusui	LIN40MA-PC R-L	LM002352	Apr 06,2007	1Year
AC Power Source	Kikusui	AC40MA	LM003232	Apr 06,2007	1Year
Test analyzer	Kikusui	KHA1000	LM003720	Apr 06,2007	1Year
ESD Tester	Kikusui	KES4021	LM003537	Apr 08,2007	1 Year
Signal Generator	IFR	2032	203002/100	Apr 08,2007	1 Year
Amplifier	A&R	150W1000	301584	NCR	NCR
Dual Directional Coupler	A&R	DC6080	301508	Apr 06,2007	1 Year
Power Head	A&R	PH2000	301193	Apr 06,2007	1 Year
Power Meter	A&R	PM2002	302799	Apr 06,2007	1 Year
Field Monitor	A&R	FM5004	300329	Apr 06,2007	1 Year
Field Probe	A&R	FP5000	300221	Apr 06,2007	1 Year
EMCPRO System	EM Test	UCS-500-M4	V064810202 6	Apr 06,2007	1 Year
EMCPRO System	EM Test	UCS-500-M4	V064810202 6	Apr 06,2007	1 Year

Remark:

Test Firm Name: Most Technology Service Co., Ltd.

Test Firm Address:

No. 5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China

rk, Nanshan, Shenzhen, Guanguong

FCC Registered Test Site Number: 490827

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TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of MOST TECHNOLOGY SERVICE CO., LTD. The EUT was transmitting a test signal during the testing.

POWER LINE CONDUCTED INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a 50 u H LISN. Both Lines were observed. The bandwidth of the receiver was $10 \, \text{kHz}$ with an appropriate sweep speed. The ambient temperature of the EUT was 25 °C with a humidity of 58%.

RADIATION INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100 kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3 MHz above 1 GHz. The ambient temperature of the EUT was $25\,^{\circ}$ C with a humidity of $58\,^{\circ}$ C.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10th harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings were converted to average readings based on the duration of "ON" time.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.4-2003 10.1.7 with the EUT 40 cm from the vertical ground wall.

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NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE

RULES PART NUMBER: 15.107

REQUIREMENTS:

Frequency of Emission (MHz)

0.15-0.5

0.5-5

56

5-30

Conducted Limit (dBuV)

Quasi-peak

Average

56 to 46 *

60

50

TEST PROCEDURE: ANSI STANDARD C63.4-2003

THE HIGHEST EMISSION READ FOR LINE 1 WAS 41.88dBuV @ 1.13MHz.

THE HIGHEST EMISSION READ FOR LINE 2 WAS 41.11dBuV @ 1.1298MHz.

THE PLOTS ON THE NEXT PAGE REPRESENT THE EMISSIONS READ FOR POWER LINE CONDUCTED FOR THIS DEVICE.

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^{*} Decreases with the logarithm of the frequency.



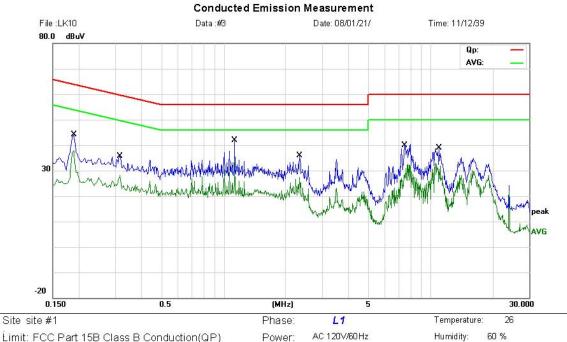
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Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part 15B Class B Conduction(QP)

EUT: USB Bluetooth 2.0 Dongle M/N: SD-B2U1C2-V1-BTW40

Mode: ON Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1	0.1900	32.65	11.40	44.05	64.03	-19.98	QP	
2	0.3183	24.06	11.21	35.27	59.75	-24.48	QP	
3 *	1.1300	32.01	9.87	41.88	56.00	-14.12	QP	
4	2.3420	26.60	9.34	35.94	56.00	-20.06	QP	
5	7.5019	29.50	10.50	40.00	60.00	-20.00	QP	
6	10.9699	29.92	9.00	38.92	60.00	-21.08	QP	

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^{*:}Maximum data x:Over limit !:over margin



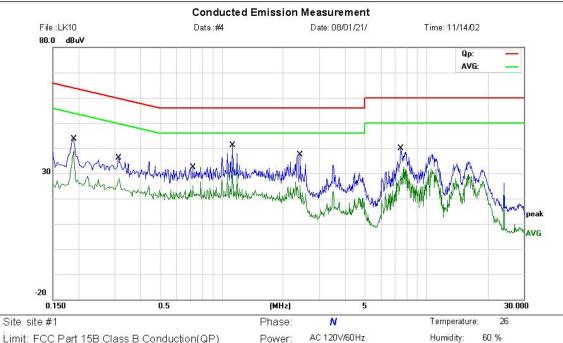
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Limit: FCC Part 15B Class B Conduction(QP)

EUT: USB Bluetooth 2.0 Dongle M/N: SD-B2U1C2-V1-BTW40

Mode: ON Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBu∨	dB	dBu∀	dBu∀	dB	Detector	Comment	
1	0.1900	32.16	11.40	43.56	64.03	-20.47	QP		
2	0.3140	24.81	11.24	36.05	59.86	-23.81	QP		
3	0.7219	22.42	10.00	32.42	56.00	-23.58	QP		
4 *	1.1298	31.24	9.87	41.11	56.00	-14.89	QP		
5	2.4260	27.85	9.43	37.28	56.00	-18.72	QP		
6	7.5019	29.30	10.50	39.80	60.00	-20.20	QP		

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^{*:}Maximum data x:Over limit !:over margin



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FCC ID: U3PSDB2U1C2V1V2

NAME OF TEST: RADIATION INTERFERENCE

RULES PART NUMBER: 15.109

REQUIREMENTS:

S15.209 30 -88 MHz 40 dBuV/m @3M 88 - 216 MHz 43.5 216 - 960 MHz 46 ABOVE 960 MHz 54dBuV/m

Test Data:

REMARK: Emissions attenuated more than 20 dB below the permissible value are not reported.

Frequency (MHz)	Antenna Polarization	Emission Level (dBuV/m)			FCC 15 Subpart					
		Avg	QP	Peak	B Limit (dBuV/m)					
	Low frequency(2402.00 MHz)									
91.73	Vertical		36.30	38.30	43.5					
101.05	Vertical		34.60	37.50	43.5					
478.14	Vertical			35.10	46.0					
502.39	Vertical			34.05	46.0					
91.15	Horizontal		32.50	35.00	43.5					
102.20	Horizontal		33.20	35.60	43.5					
477.54	Horizontal			35.20	46.0					
501.16	Horizontal			34.20	46.0					

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