

Variant FCC RF Test Report

APPLICANT	Advantech Co., Ltd.	
EQUIPMENT	Tablet PC	
BRAND NAME	ADVANTECH	
MODEL NAME	S10A	
FCC ID	M82-S10AB	
STANDARD	FCC Part 15 Subpart C §15.	.247
CLASSIFICATION	Digital Transmission Syste	m (DTS)

This is a variant report which is only valid together with the original test report. The product was received on May 20, 2011 and completely tested on May 26, 2011. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager



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SPORTON INTERNATIONAL INC. TEL : 886-3-327-3456 FAX : 886-3-328-4978 FCC ID : M82-S10AB

Page Number	: 1 of 23		
Report Issued Date	: Jun. 29, 2011		
Report Version	: Rev. 01		



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APPENDIX C. ORIGINAL REPORT



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR141109-03	Rev. 01	This is a variant report by remove 3G module card. All the test cases were performed on original report which can be referred to Sporton Report No.FR141109 as Appendix C. Base on original report, only the worst case of conducted emission and radiation emission were verified.	Jun. 29, 2011



Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.207	Gen 7.2.2	AC Conducted Emission	15.207(a)	Pass	Under limit 28.2 dB at 9.862 MHz
3.2	15.247(d)	A8.5	Transmitter Radiated Emission	15.209(a) & 15.247(d)	Pass	Under limit 0.29 dB at 519.8 MHz
3.3	15.203 & 15.247(b)	A8.4	Antenna Requirement	N/A	Pass	-

SUMMARY OF TEST RESULT



1 General Description

1.1 Applicant

Advantech Co., Ltd.

No. 1, alley 20, Lane 26 , Rueiguang Road NeiHu District, Taipei 114, R.O.C.

1.2 Manufacturer

Advantech Co., Ltd.

No. 1, alley 20, Lane 26, Rueiguang Road NeiHu District, Taipei 114, R.O.C.

1.3 Feature of Equipment Under Test

Product Feature & Specification					
Equipment	Tablet PC				
Brand Name	ADVANTECH				
Model Name	S10A				
FCC ID	M82-S10AB				
Tx/Rx Frequency Range	2400 MHz ~ 2483.5 MHz				
Number of Channels	11				
Carrier Frequency of Each Channel	2412+(n-1)*5 MHz; n=1~11				
Channel Spacing	5 MHz				
Antenna Type	Dipole Antenna with gain 3.09 dBi				
Type of Antenna Connector	N/A				
Type of Modulation	802.11b : DSSS (BPSK / QPSK / CCK)				
EUT Stage	Production Unit				

Remark:

- 1. For other wireless features of this EUT, test report will be issued separately.
- 2. This test report recorded only product characteristics and test results of Digital Transmission System (DTS).
- **3.** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.					
	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park,					
Test Site Location	Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.					
	TEL: +886-3-3273456 / FAX: +886-3-3284978					
Toot Site No	Sporton	Site No.	FCC/IC Registration No.			
lest Site No.	CO05-HY	03CH06-HY	722060/4086B-1			

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 (Measurement Guidelines of DTS)
- ANSI C63.4-2003
- IC RSS-210 Issue 8

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B (DoC), recorded in a separate test report.



1.6 Ancillary Equipment List

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Modem	ACCEX	DM1414	IFAXDM1414	Shielded, 1.5 m	N/A
2.	Earphone + Mic	Ergotech	ET-E200	FCC DoC	Unshielded, 1.8 m	N/A
3.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Vostro 1510	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	LCD Monitor	Lenovo	6135-AB1	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
6.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
7.	iPod	Apple	A1199	FCC DoC	Shielded, 1.0 m	N/A
8.	IPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
9.	iPod	Apple	A1236	FCC DoC	Shielded, 1.0 m	N/A



2 Test Configuration of Equipment Under Test

2.1 Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz), radiated emission (30 MHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). Pre-scanned tests were conducted to determine the final configuration from all possible combinations. The following tables are showing the test modes as the worst cases and recorded in this report.

Test Cases						
Test Item 802.11b						
Radiated	Mode 1 - 802 11b CH01 - 2412 MHz					
TCs						
AC Conducted						
Emission						
Remark: TC stands for Test Configuration, and consists of iPod, monitor, earphone, and Modem						



2.2 Connection Diagram of Test System

<AC Conducted Emission Mode>



<EUT with Earphone Mode>





2.3 RF Utility

The programmed RF utility, "art " is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.



3 Test Result

3.1 AC Conducted Emission Measurement

3.1.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission	Conducted Limit (dBuV)					
(MHz)	Quasi-Peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

*Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

- 1. The testing follows the guidelines in ANSI C63.4-2003.
- 2. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 4. All the support units are connecting to the other LISN.
- 5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 7. Both sides of AC line were checked for maximum conducted interference.
- 8. The frequency range from 150 kHz to 30 MHz was searched.
- 9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.



3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test	t Mode : Mode 1 Temperature :		e :	20~22 ℃				
Test	Engineer :	Novic Chiang)		Rela	ative Hu	midity :	40~42%
Test	Voltage :	120Vac / 60H	łz		Pha	se :		Line
Func	tion Type :	Bluetooth Lir	k + WL	_AN Li	nk +TC	C + Adap	ter	
Rema	ark :	All emissions	not re	ported	here a	are more	than 10	dB below the prescribed limit.
Level in dBµV	ark : 100 90 80 70 60 50 40 30 20							SPR 22-QP Limit at Main Ports
	10 0 150k	300 400500	800	D1M	2 Frequ	M 3M ency in H	4M 5M 0 Hz	6 8 10M 20M 30M
	Frequency	QuasiPeak	Filter	Line	Corr.	Margin		
		(UBµV) 48.1	Off	11	(uB) 19.4	(UB) 15 Q	(α Β μν) 64 0	
	0.478000	37.7	Off	L1	19.4	18.7	56.4	
	0.670000	40.2	Off	 L1	19.4	15.8	56.0	
	0.814000	41.3	Off	L1	19.4	14.7	56.0	
	1.030000	41.5	Off	L1	19.4	14.5	56.0	
	9.862000	32.0	Off	L1	19.6	28.0	60.0	
	15.806000	50.2	Off	L1	19.6	9.8	60.0	
	23.678000	42.4	Off	L1	19.7	17.6	60.0	
	Final Resu	lt 2						
	Frequency	Average	Filter	Line	Corr.	Margin	Limit	
	(MHz)	(dBµV)			(dB)	(dB)	(dBµV)	
	0.190000	33.0	Off	L1	19.4	21.0	54.0	
	0.478000	21.7	Off	L1	19.4	24.7	46.4	
	0.0/0000	22.2	011	L1 14	19.4	23.8 20.0	40.0	
	1 030000	20.1	Off		19.4	20.9	40.0	
	0,00000	24.4	Off		10.4	21.0	40.0 50.0	
	15 806000	34.7	Off	11	19.0	15 3	50.0	
	23.678000	31.7	Off	 L1	19.7	18.3	50.0	

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Test	Mode :	Mode 1			Tem	perature	e :	20~22 °C
Test Engineer : Novic Chiang		1		Rela	ative Hu	midity :	40~42%	
Test	Voltage :	120Vac / 60H	iz		Pha	Phase :		Neutral
Func	tion Type :	Bluetooth Lin	k + WL	AN Li	nk +TC	+ Adapt	ter	
Rema	ark:	All emissions	not rep	orted	here a	are more	than 10 d	dB below the prescribed limit.
	100-							
	Too T							
	90-						<u>_</u>	
	80							
	-							
	70							
Ž	60-						С	<u>SPR 22-QP Limit at Main</u> Ports
dB								SPR 22-Ave Limit at Main Ports
elir	50			_				
Lev	40			1 m		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	.	
				·			With the second s	
	30							
	20-							
	10-							
	0 1 1 150k	300 400500	800	1M	2	м зм	4M 5M 6	5 8 10M 20M 30M
					Freque	ency in H	z	
	Final Resu	i+ 1						
	Frequency				Corr	Margin	l imit	
	(MHz)	(dBµV)	Filter	Line	(dB)	(dB)	(dBµV)	
	0.190000	46.4	Off	Ν	19.4	17.6	64.0	
	0.510000	41.8	Off	Ν	19.4	14.2	56.0	
	0.718000	42.8	Off	N	19.5	13.2	56.0	
	1.030000	37.6	Off	N	19.5	14.7	56.0	
	15.806000	48.7	Off	N	19.7	11.3	60.0	
	23.678000	41.1	Off	Ν	19.8	18.9	60.0	
	Final Result 2							
	Frequency	Average	Filter	Line	Corr.	Margin	Limit	
	(MHz)	(dBµV)	Filter	Line	(dB)	(dB)	(dBµV)	
	0.190000	35.3	Off	N	19.4	18.7	54.0	
	0.510000	29.9	Off	N	19.4	16.1	46.0	
	0.846000	29.2	Off	N	19.5	20.7	46.0	
	1.030000	21.3	Off	N	19.5	24.7	46.0	
	15.806000	32.8	Off	Ν	19.7	17.2	50.0	
	23.678000	30.5	Off	Ν	19.8	19.5	50.0	



3.2 Radiated Emission Measurement

3.2.1 Limit of Radiated Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

Frequency	Field Strength	Measurement Distance			
(MHz)	(microvolts/meter)	(meters)			
0.009 – 0.490	2400/F(kHz)	300			
0.490 – 1.705	24000/F(kHz)	30			
1.705 – 30.0	30	30			
30 – 88	100	3			
88 – 216	150	3			
216 - 960	200	3			
Above 960	500	3			

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

- 1. The testing follows the guidelines in FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
- 2. Use the following spectrum analyzer settings:
 - (1) Span = wide enough to fully capture the emission being measured; RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold.</p>
 - (2) Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB)

3. Follow the guidelines in ANSI C63.4-2003 with respect to maximizing the emission by rotating the EUT, measuring the emission for three EUT orthogonal planes, and adjusting the measurement antenna height and polarization. A pre-amp and a high pass filter are used for this test in order to get the good signal level.



3.2.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz





For radiated emissions above 1GHz



3.2.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

Test Engineer :		Temperature):	°C	
		Relative Hur	nidity :	%	
Frequency (MHz)	Level (dBuV)	Over Limit (dB)	Lim (d	iit Line BuV)	Remark
-	-	-		-	See Note

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.



3.2.6 Test Result of Radiated Emission (30 MHz ~ 10th Harmonic)

Test Mode	st Mode : Mode 1			-	Ten	nperature	:	21~24 ℃				
Test Chan	Test Channel : 01			Relative Humidity : 5				55~60%				
Test Engir	neer :	Wii (Chang			Pol	arization	:	Horizont	al		
Remark :		2412	2 MHz i	s Fundame	ntal Si	gna	als which o	can be ig	nored.			
Frequency (MHz)	Leve (dBuV	el //m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Leve (dBu ¹	d el V)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
35.13	19.1	2	-20.88	40	35.1	5	14.93	0.74	31.7	-	-	Peak
132.33	33.1	4	-10.36	43.5	51.7	4	11.7	1.4	31.7	-	-	Peak
199.83	34.7	7	-8.73	43.5	55.4	1	9.35	1.66	31.65	-	-	Peak
519.8	36.1	1	-9.89	46	47.1		18.09	2.74	31.82	100	266	QP
530.3	38.0	7	-7.93	46	48.9)	18.23	2.78	31.84	100	266	QP
628.3	42.0	4	-3.96	46	51.8	6	19.23	2.99	32.04			Peak
2386.38	47.5	4	-6.46	54	44.6	3	31.9	5.4	34.39	100	289	Average
2386.38	57.6	9	-16.31	74	54.7	8	31.9	5.4	34.39	100	289	Peak
2412	103.	3	-	-	100.3	35	31.91	5.43	34.39	100	289	Peak
2412	97.5	2	-	-	94.5	7	31.91	5.43	34.39	100	289	Average
2484	42.8	3	-11.2	54	39.6	7	31.98	5.52	34.37	100	289	Average
2484	55.2	2	-18.78	74	52.0	9	31.98	5.52	34.37	100	289	Peak
4824	52.7	2	-21.28	74	66.3	1	34.9	7.96	56.45	100	189	Peak
4824	48.3	9	-5.61	54	61.9	8	34.9	7.96	56.45	100	189	Average



Test Mode	:	Mode 1			Т	emperature	21~24 ℃				
Test Chan	Test Channel : 01				R	elative Hun	nidity :	55~60%			
Test Engir	neer :	Wii (Chang		Р	olarization	:	Vertical	ertical		
Remark : 2412 MHz is Fundamental Signals which can be ignored.						gnored.					
Frequency	Leve	el	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBuV	/m)	Limit (dB)	Line (dBuV/m)	Level (dBuV	Factor	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
35.13	35.1	1	-4.89	40	51.14	14.93	0.74	31.7			Peak
174.99	39.5	6	-3.94	43.5	60.1	9.57	1.57	31.68	100	152	Peak
224.94	40.3	4	-5.66	46	59.22	11.01	1.75	31.64			Peak
479.9	34.0	7	-11.93	46	45.83	17.41	2.6	31.77			Peak
581.4	36.1	1	-9.89	46	46.35	18.91	2.89	32.04			Peak
623.4	38.2	2	-7.8	46	48.05	19.22	2.98	32.05			Peak
2385.81	50.8	2	-3.18	54	47.91	31.9	5.4	34.39	100	229	Average
2385.81	59.7	2	-14.28	74	56.81	31.9	5.4	34.39	100	229	Peak
2412	107.4	44			104.49	31.91	5.43	34.39	100	229	Peak
2412	102.	59			99.64	31.91	5.43	34.39	100	229	Average
2486	43.6	8	-10.32	54	40.55	31.98	5.52	34.37	100	229	Average
2486	55.6	8	-18.32	74	52.55	31.98	5.52	34.37	100	229	Peak
4824	54.8	4	-19.16	74	68.43	34.9	7.96	56.45	100	218	Peak
4824	53.3	6	-0.64	54	66.95	34.9	7.96	56.45	100	218	Average



3.3 Antenna Requirements

3.3.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

3.3.2 Antenna Connected Construction

The antennas type used in this product is Dipole Antenna without connector and it is considered to meet antenna requirement.

3.3.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Test Receive	R&S	ESCS 30	100356	9KHz – 2.75GHz	Aug. 16, 2010	Aug. 15, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9KHz – 30MHz	Dec. 03, 2010	Dec. 02, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9KHz – 30MHz	Dec. 01, 2010	Nov. 30, 2011	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP40	100057	9KHz-40GHz	Oct. 25, 2010	Oct. 24, 2011	Radiation (03CH06-HY)
EMI TEST RECEIVER	R&S	ESCI 7	100724	9kHz~7GHz	Aug.19, 2010	Aug.19, 2011	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Oct. 31, 2010	Oct. 31, 2011	Radiation (03CH06-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz~18GHz	Aug. 02, 2010	Aug. 01, 2011	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Training Research	AH-0801	95119	8GHz~18GHz	Oct. 20, 2010	Oct. 19, 2011	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 251	15GHz- 40GHz	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A019 17	1GHz- 26.5GHz	Apr. 14, 2011	Apr. 13, 2012	Radiation (03CH06-HY)
Amplifier	Agilent	310N	186713	9KHz~1GHz	Apr. 14, 2011	Apr. 13, 2012	Radiation (03CH06-HY)
Loop Antenna	R&S	HFH2-Z2	860004/00 1	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH06-HY)

u(X_i)

0.05



5 Uncertainty of Evaluation

Contribution Uncertainty of X_i dB Probability Distribution Receiver Reading 0.10 Normal (k=2) Cable Loss 0.10 Normal (k=2) AMN Insertion Loss 2.50 Rectangular

Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
Combined Standard Uncertainty Uc(y)		1.13	
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))		2.26	

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

	Uncerta			
Contribution	dB	Probability Distribution	u(X _i)	
Receiver Reading	0.41	Normal (k=2)	0.21	
Antenna Factor Calibration	0.83	Normal (k=2)	0.42	
Cable Loss Calibration	0.25	Normal (k=2)	0.13	
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14	
RCV/SPA Specification	2.50	Rectangular	0.72	
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29	
Site Imperfection	1.43	Rectangular	0.83	
Mismatch	+0.39 / -0.41	U-Shape	0.28	
Combined Standard Uncertainty Uc(y)	1.27			
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54			



	Uncertai	nty of X _i			
Contribution	dB	Probability Distribution	u(X _i)	Ci	C _i * u(X _i)
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR Γ 1 = 0.197 Antenna VSWR Γ 2 = 0.194 Uncertainty = 20Log(1- Γ 1* Γ 2)	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty Uc(y)	ty 2.36				
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.72				

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)



Appendix A. Photographs of EUT

Please refer to Sporton report number EP141109-03 as below



Appendix C. Original Report

Please refer to Sporton report number FR141109 as below.