

Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 1 of 53

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

UN-INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART B CERTIFICATION REQUIREMENT

Product Name: CDMA TS005

FCC ID: WVS-CN10-J04

Report No.: EI/2010/70009

Issue Date: Aug. 09, 2010

FCC Rule Part: Part 15 B, Class B

Filing Type: Certification

Prepared for: Toshiba Corporation, Mobile Communications

Co., Quality Management Division

1-1, Asahigaoka 3-Chome, Hino-Shi, Tokyo,

191-8555, Japan

Prepared by: SGS Taiwan Ltd.

Electronics & Communication Laboratory

No. 134, Wu Kung Rd., Wuku Industrial Zone,

Taipei County, Taiwan.





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Page: 2 of 53

VERIFICATION OF COMPLIANCE

Applicant: Toshiba Corporation, Mobile Communications Co.,

Quality Management Division

1-1, Asahigaoka 3-Chome, Hino-Shi, Tokyo, 191-8555, Japan

CDMA TS005 **Product Name:**

Brand Name: N/A

Model No.: CN10-J04

Marketing Name: N/A

Model Difference: N/A

FCC ID: WVS-CN10-J04

Model Name: CN10-J04

File Number: EI/2010/70009

Date of test: Jul. 21, 2010 ~ Jul. 27, 2010

Date of EUT Receive: Jul. 21, 2010

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15B, Class B. The test results of this report relate only to the tested sample identified in this report.

Test By:	Bear Huang	Date:	Aug. 09, 2010
Prepared By:	Bear Huang / Engineer Tiffany Kao	Date:	Aug. 09, 2010
Approved By:	Tiffany Kao / Clerk Arno Hsieh /Asst. Supervisor	Date:	Aug. 09, 2010

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Page: 3 of 53

Version

Version No.	Date	Description
00	Aug. 09, 2010	Initial creation of document

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 4 of 53

Table of Contents

1.	GENERAL INFORMATION	5
1.1.	PRODUCT DESCRIPTION	5
1.2	RELATED SUBMITTAL(S) / GRANT (S)	7
1.3	TEST METHODOLOGY	7
1.4	TEST FACILITY	7
1.5	SPECIAL ACCESSORIES	7
1.6	EQUIPMENT MODIFICATIONS	7
2.	SYSTEM TEST CONFIGURATION	8
2.1	EUT CONFIGURATION	8
2.2	EUT Exercise	8
2.3	TEST PROCEDURE	8
2.4	LIMITATION	9
2.5	CONFIGURATION OF TESTED SYSTEM	10
3.	SUMMARY OF TEST RESULTS	12
4.	DESCRIPTION OF TEST MODES	12
5.	CONDUCTED EMISSIONS TEST	13
5.1	MEASUREMENT PROCEDURE:	13
5.2	TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)	13
5.3	MEASUREMENT EQUIPMENT USED:	14
5.4	MEASUREMENT RESULT	14
6.	RADIATED EMISSION TEST	21
6.1	MEASUREMENT PROCEDURE	21
6.2	TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)	21
6.3	MEASUREMENT EQUIPMENT USED:	22
6.4	FIELD STRENGTH CALCULATION	23
6.5	MEASUREMENT RESULT (RELOW 1G)	24

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 5 of 53

GENERAL INFORMATION

1.1. Product Description

Product Name:	CDMA TS005			
Model Name:	CN10-J04			
FCC ID:	WVS-CN10-	WVS-CN10-J04		
Software Version:	N/A			
Hardware Version:	Ver.2.0.0			
Data Cable:	N/A			
Simple Hands-free (SHF)	N/A			
Downer Cumples	3.7 Vdc re-chargeable battery			
Power Supply:	Battery:	Model: 53TSUAA; Supplier: SANYO Electric		

CDMA:

	Operating Frequency			Rated Power
Cellular Phone Standards	CDMA2000 Cellular	TX:	824.70-848.31 MHz	24.5dBm
Frequency Range and Power:		RX:	869.70-893.31 MHz	24.3ubiii
MEID:	A10000070A0732			

Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
CDMA Cellular	3.7Vdc	630

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 6 of 53

Bluetooth:

Frequency Range:	2402 – 2480MHz	
Bluetooth Version:	V2.1 + EDR (GFSK + /4DQPSK + 8DPSK)	
Channel number:	79 channels	
Transmit Power:	4.3 dBm (Peak)	
Modulation type: Frequency Hopping Spread Spectrum		
Antenna Designation:	Monopole Antenna / antenna gain: 3.2dBi	

The EUT is compliance with Bluetooth 2.1 + EDR Standard.

FeliCa Receive Frequency:	13.56MHz
---------------------------	----------

The FeliCa only support receiving function.

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Page: 7 of 53

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: WVS-CN10-J04 filing to comply with Part15 Subpart B, class B of the FCC CFR 47 Rules.

1.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-4

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 & 10 meters) and FCC Registration Number: 94644

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 8 of 53

System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal continuous transmitting.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 8 of ANSI C63.4-2003.

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 9 of 53

2.4 Limitation

(1) Conducted Emission

According to section 15.107(a), Conducted Emission Class B Limits is as following.

Frequency range		s B Limits B (uV)
MHz	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Note

(2) Radiated Emission

According to section 15.109(a), Radiated Emission Class B Limits is as following:

Frequency (MHz)	Field strength $\mu V/m$	Distance (m)	Field strength at 3m dBµV/m
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

Remark: 1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of 3 meters.

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^{1.} The lower limit shall apply at the transition frequencies

^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.



Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 10 of 53

2.5 Configuration of Tested System

Fig. 2-1 Configuration of Tested System (config 1, 3)

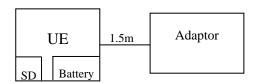


Fig. 2-2 Configuration of Tested System (config 2,4)

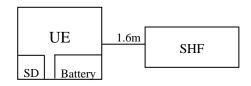


Fig. 2-3 Configuration of Tested System (config 5)

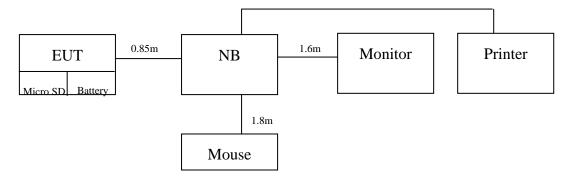


Fig. 2-5 Configuration of Tested System (Remote Side)



Model config refer to section 4 for detail

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 11 of 53

Table 2-1 Support Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	FCC ID	Data Cable	Power Cord
1.	Notebook	IBM	T60	L3A9050	N/A	N/A	1.6m Un-shielded
2.	Monitor	НР	HSTND-2F02	CND7122S7B	N/A	1.6 Un-shielded	Un-shielded
3.	USB Mouse	НР	MO42KOA	0307012110	N/A	1.8m Un-shielded	N/A
4.	Printer	НР	DJ3820	CN34L181B1	N/A	1.6m, Un-Shielded	Un-shielded
5.	Micro SD	SanDisk	1G	Micro SD	N/A	N/A	N/A
6.	Radio Communicatio n Analyzer	R&S	CMU200	102189	N/A	N/A	Un-shielded
7.	Simple Hands-Free	Hoshiden	(mic)	N/A	N/A	N/A	N/A
8.	Adaptor	MITSUMI ELECTRIC (FCC)	0203PQA	N/A	N/A	N/A	1.5m Un-shielded,
9.	Data Cable	Hoshiden	HPC1508-01001 0	N/A	N/A	0.85m Un-shielded	N/A
10.	Simple Hands-Free	Hoshiden	HDH0669-01022 1(earphone)	N/A	N/A	N/A	N/A

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Page: 12 of 53

3. Summary of Test Results

FCC Rules	Description Of Test	Result	
§15.107	Conducted Emission Class B	Compliant	
§15.109	Radiated Emission Class B	Compliant	

4. Description of test modes

The EUT was stayed in normal operation mode.

The data cable was connected to notebook PC and data transferred by program.

Test Plan:

	Config 1	Config 2	Config 3	Config 4	Config 5
Applicable standard (FCC)			Part 15B		
Accessories	UE	UE	UE	UE	UE
	+ Battery	+ Battery	+ Battery	+ Battery	+ Battery
	+ AC Adaptor	+ SHF	+ AC Adaptor	+ SHF	+ Data Cable
Description	Aud	dio	Vid	eo	Data link
radiated emission	Charge + Play	Play 1KHz	Charge +	Camera	Data link
	1KHz	Play INFIZ	Camera REC	REC	Dala IIIK
conducted emission	Charge + Play	N/A	Charge +	N/A	Data link
(AC Power)	1KHz	IN/A	Camera REC	IN/A	Data IIIIK

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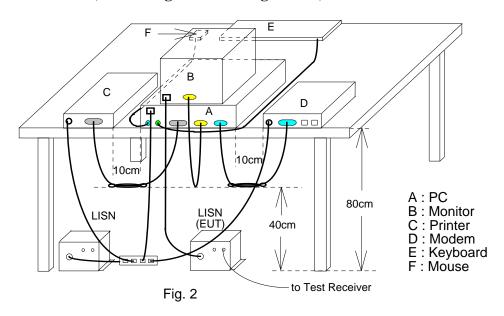
Page: 13 of 53

5. Conducted Emissions Test

5.1 Measurement Procedure:

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 14 of 53

Measurement Equipment Used:

	Conducted Emission Test Site								
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
EMI Test Receiver	R&S	ESCS30	828985/004	09/15/2009	09/14/2010				
LISN	Rolf-Heine	NNB-2/16Z	99012	02/02/2010	02/01/2011				
LISN	FCC	FCC-LISN-50/250-25-2-01	04034	02/02/2010	02/01/2011				
Coaxial Cables	N/A	WK CE Cable	N/A	11/28/2009	11/27/2010				

5.4 **Measurement Result**

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

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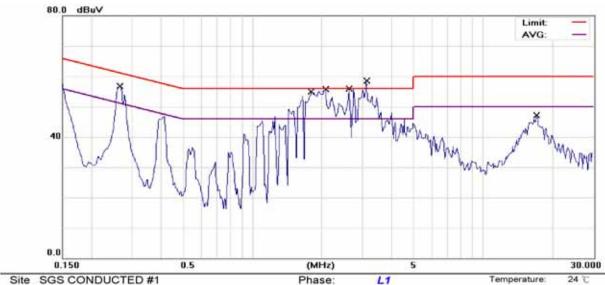
Page: 15 of 53

Humidity:

Air Pressure:

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	Config 1	Test Date:	Jul. 27, 2010
		Test By:	Bear



Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Charge+Play 1KHz_Config1 IMEI:A10000070A0731

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2641	52.16	0.12	52.28	61.30	-9.02	QP	
2		0.2641	35.94	0.12	36.06	51.30	-15.24	AVG	
3		1.7981	50.01	0.15	50.16	56.00	-5.84	QP	
4		1.7981	32.63	0.15	32.78	46.00	-13.22	AVG	
5		2.0761	51.71	0.16	51.87	56.00	-4.13	QP	
6		2.0761	33.17	0.16	33.33	46.00	-12.67	AVG	
7		2.6357	50.59	0.17	50.76	56.00	-5.24	QP	
8		2.6357	33.82	0.17	33.99	46.00	-12.01	AVG	
9	*	3.1268	55.31	0.18	55.49	56.00	-0.51	QP	
10		3.1268	33.43	0.18	33.61	46.00	-12.39	AVG	
11		17.0454	40.78	0.54	41.32	60.00	-18.68	QP	
12		17.0454	27.59	0.54	28.13	50.00	-21.87	AVG	

Power:

Distance:

AC 120V/60Hz

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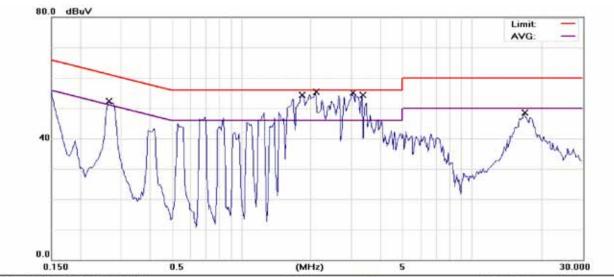
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Page: 16 of 53



Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Charge+Play 1KHz_Config1 IMEI:A10000070A0731

Phase:		N	Temperature:		24 C
Power:	AC	120V/60Hz	Humidity:	58	96
Distance	65		Air Pressure:		hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2644	49.66	0.13	49.79	61.29	-11.50	QP	
2		0.2644	35.33	0.13	35.46	51.29	-15.83	AVG	
3		1.8229	52.42	0.15	52.57	56.00	-3.43	QP	
4		1.8229	32.48	0.15	32.63	46.00	-13,37	AVG	
5	*	2.1018	53.61	0.16	53.77	56.00	-2.23	QP	
6		2.1018	34.79	0.16	34.95	46.00	-11.05	AVG	
7		3.0281	52.43	0.18	52.61	56.00	-3.39	QP	
8		3.0281	31.35	0.18	31.53	46.00	-14.47	AVG	
9		3.3471	48.96	0.19	49.15	56.00	-6.85	QP	
10		3.3471	30.58	0.19	30.77	46.00	-15.23	AVG	
11		16.9283	42.15	0.47	42.62	60.00	-17.38	QP	
12		16.9283	29.07	0.47	29.54	50.00	-20.46	AVG	

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Page: 17 of 53

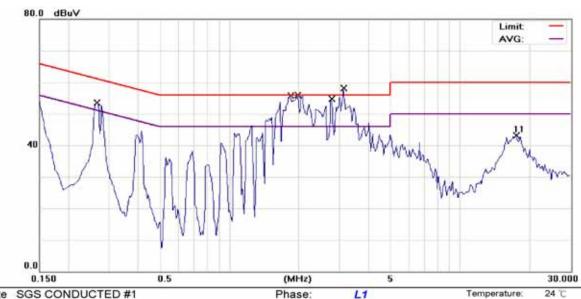
Humidity:

Air Pressure:

hpa

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	Config 3	Test Date:	Jul. 27, 2010
		Test By:	Bear



Power:

Distance:

AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Charge+Camera REC Config3

IMEI:A10000070A0731

No. N	۸k.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2641	50.88	0.12	51.00	61.30	-10.30	QP	
2		0.2641	36.08	0.12	36.20	51.30	-15.10	AVG	
3		1.8385	52.92	0.15	53.07	56.00	-2.93	QP	
4		1.8385	31.64	0.15	31.79	46.00	-14.21	AVG	
5		1.9717	52.97	0.16	53.13	56.00	-2.87	QP	
6		1.9717	33.29	0.16	33.45	46.00	-12.55	AVG	
7		2.7685	51.47	0.18	51.65	56.00	-4.35	QP	
8		2.7685	36.64	0.18	36.82	46.00	-9.18	AVG	
9 *		3.1238	54.58	0.18	54.76	56.00	-1.24	QP	
10		3.1238	36.77	0.18	36.95	46.00	-9.05	AVG	
11		17.4800	42.62	0.53	43.15	60.00	-16.85	peak	

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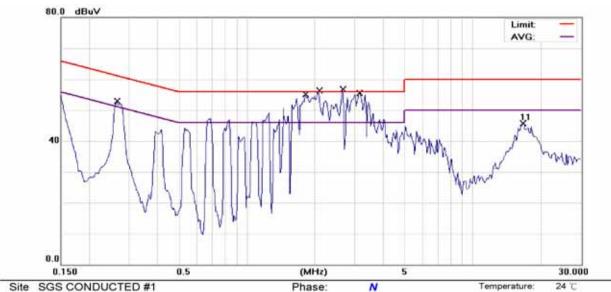


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 18 of 53

Humidity: Air Pressure:

hpa



Power:

Distance:

AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Charge+Camera REC _Config3

IMEI:A10000070A0731

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2646	49.76	0.13	49.89	61.29	-11.40	QP	
2		0.2646	37.90	0.13	38.03	51.29	-13.26	AVG	
3		1.8091	52.20	0.15	52.35	56.00	-3.65	QP	
4		1.8091	33.15	0.15	33.30	46.00	-12.70	AVG	
5	•	2.0848	52.55	0.16	52.71	56.00	-3.29	QP	
6		2.0848	35.18	0.16	35.34	46.00	-10.66	AVG	
7		2.6491	48.66	0.17	48.83	56.00	-7.17	QP	
8		2.6491	30.65	0.17	30.82	46.00	-15.18	AVG	
9		3.1324	51.29	0.18	51.47	56.00	-4.53	QP	
10		3.1324	33.67	0.18	33.85	46.00	-12.15	AVG	
11		16.7400	45.31	0.47	45.78	60.00	-14.22	peak	

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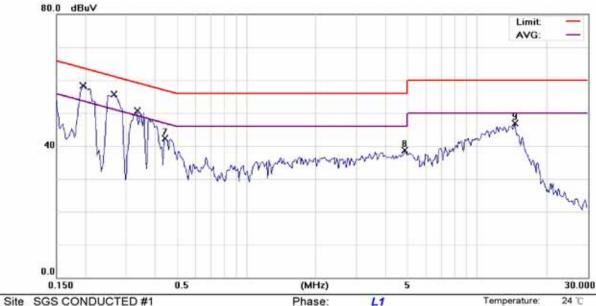
Page: 19 of 53

Humidity: Air Pressure:

hpa

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	Config 5	Test Date:	Jul. 27, 2010
		Test By:	Bear



Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Data link _Config5

IMEI:A10000070A0731

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1944	54.67	0.12	54.79	63.85	-9.06	QP	
2		0.1944	39.44	0.12	39.56	53.85	-14.29	AVG	
3	*	0.2647	52.17	0.12	52.29	61.28	-8.99	QP	
4		0.2647	38.71	0.12	38.83	51.28	-12.45	AVG	
5		0.3340	45.24	0.12	45.36	59.35	-13.99	QP	
6		0.3340	29.06	0.12	29.18	49.35	-20.17	AVG	
7		0.4400	42.26	0.12	42.38	57.06	-14.68	peak	
8		4.8600	38.46	0.22	38.68	56.00	-17,32	peak	
9		14.6200	46.32	0.56	46.88	60.00	-13.12	peak	

Power:

Distance:

AC 120V/60Hz

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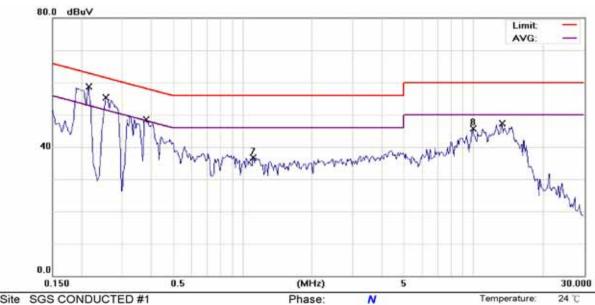
Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 20 of 53

Humidity:

Air Pressure:

hpa



Power:

Distance:

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: Mobile Phone

M/N: KD56

Note: Data link _Config5

IMEI:A10000070A0731

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2142	53.55	0.13	53.68	63.04	-9.36	QP	
2		0.2142	35.21	0.13	35.34	53.04	-17.70	AVG	
3	*	0.2551	52.10	0.13	52.23	61.59	-9.36	QP	
4		0.2551	37.96	0.13	38.09	51.59	-13.50	AVG	
5		0.3791	47.00	0.12	47.12	58.30	-11.18	QP	
6		0.3791	31.61	0.12	31.73	48.30	-16.57	AVG	
7		1.1100	36.66	0.13	36,79	56.00	-19.21	peak	
8		9.9400	45.20	0.51	45.71	60.00	-14.29	peak	
9		13.2713	41.40	0.51	41.91	60.00	-18.09	QP	
10		13.2713	31.85	0.51	32.36	50.00	-17.64	AVG	

AC 120V/60Hz

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Page: 21 of 53

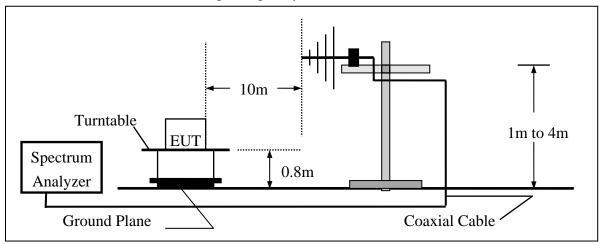
Radiated Emission Test

6.1 Measurement Procedure

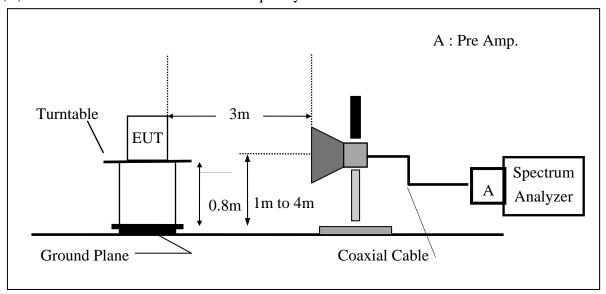
- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- And also, each emission was to be maximized by changing the polarization of 3. receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measured were complete. 4.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 22 of 53

6.3 Measurement Equipment Used:

10m Open Area Test Site											
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.						
TYPE		NUMBER	NUMBER	CAL.							
EMI Test Receiver	R&S	ESCI	100335	02/05/2010	02/04/2011						
RF-Amplifier	Agilent	8447D	2944A09469	11/30/2009	11/29/2010						
Broadband Antenna	SCHWAZBECK	VULB9160	9160-3224	03/11/2010	03/02/2011						
Turn Table	HD	DT420	420/542	N/A	N/A						
Antenna Master	HD	MA 240	240/515	N/A	N/A						
Controller	HD	HD 100	100/589	N/A	N/A						
Low Loss Cable	N/A	OS RE Cable	N/A	11/30/2009	11/29/2010						

	966 Chamber												
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.								
TYPE		NUMBER	NUMBER	CAL.									
Spectrum Analyzer	R&S	FSP 40	100034	02/12/2010	02/11/2011								
Bilog Antenna	SCHWAZBECK	VULB9160	3136	02/12/2010	02/11/2011								
Horn antenna	SCHWAZBECK	BBHA 9120D	9120D-673	03/09/2009	03/08/2011								
Pre-Amplifier	Agilent	8447D	1937A02834	11/28/2009	11/27/2010								
Pre-Amplifier	Agilent	8449B	3008A01973	01/05/2011	01/04/2012								
Turn Table	HD	DT420	N/A	N.C.R	N.C.R								
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R								
Controller	HD	HD100	N/A	N.C.R	N.C.R								
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	01/05/2010	01/04/2011								
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	01/05/2010	01/04/2011								

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Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 23 of 53

6.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

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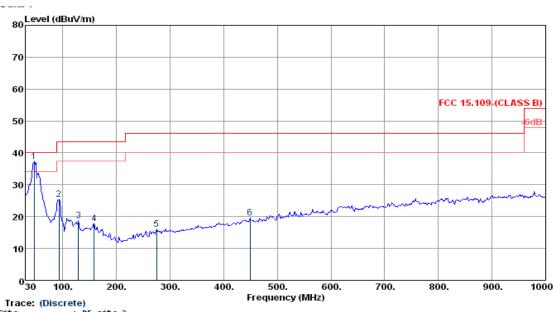
Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 24 of 53

Measurement Result (below 1G)

Test Date: Jul. 27, 2010 Test Mode: Config 1

Frequency Range: 30MHz-1GHz Test By: Bear



, RF site 3

FCC 15.109-(CLASS B) VULB9168(20M~2G)-966 VERTICAL (EI-2010-70009)Toshiba_KD56

Condition Project No.

Applicant Toshiba Corporation, Mobile Phone

EUT Model KD56

Test Mode Temp./Humid. Charge+Play 1KHz _Config1

24/60

MEI		: A1000	30070A01	731						
		Read	Antenna	Preamp	Cable			Limit	Over	
	Freq	Level	Factor	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∀	dB/m	dB	d₿	dB/m	dBuY/m	dBuV/m	dB	
1 q	46.86	51.09	13.61	27.84	0.39	-13.84	37.25	40.00	-2.75	QP
2	93.05	42.51	9.72	27.62	0.73	-17.17	25.34	43.52	-18.18	QP .
2 3	128.94	32.56	12.68	27.48	0.86	-13.94	18.62	43.52	-24.90	ÖΡ
	158.04	29.85	14.14	27.24	1.10	-12.00	17.85	43.52	-25.67	ÖΡ
4 5	274.44	29.12	12.26	26.75	1.47	-13.02	16.10	46.02	-29.92	ÖΡ
6	449.04	29.25	15.97	27.63	1.92	-9.74	19.51	46.02	-26.51	ÖΡ

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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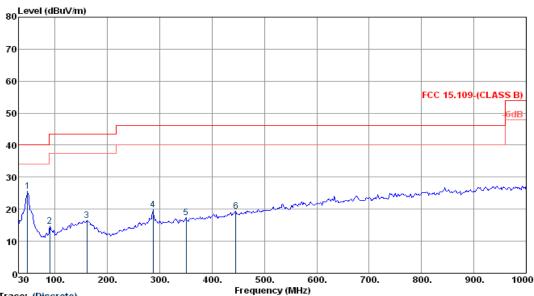


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 25 of 53

Test Mode: Config 1 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

Site Condition

RF site 3 FCC 15.109-(CLASS B) VULB9168(2004-2G)-966 HORIZONTAL

Project No. Applicant (EI-2010-70009) Toshiba_KD56

Toshiba Corporation, Mobile Phone

EUT Description: EUT Model :

Test Mode Charge+Play 1KHz _Config1

Temp./Humid. operator bear

A10000070A0731 ReadAntenna Preamp Cable

10.1			0007000							
		Read	Antenna	Preamp	Cable			Limit	Over	
	Freq	Level	Factor	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∀	dB/m	₫B	dB	dB/m	dBuY/m	dBuV/m	₫B	
	47.40	00.41	10.01	02.04	0.00	10.04	00.00	40.00	14.40	on
1 9		39.41						40.00		
2				27.64				43.52		
2	160.95	28.41	14.14	27.22	1.10	-11.98	16.43	43.52	-27.09	QP
4 5 6	287.05	32.50	12.54	26.74	1.47	-12.73	19.77	46.02	-26.25	QΡ
5	350.10	28.87	13.83	27.01	1.67	-11.51	17.36	46.02	-28.66	QΡ
6	445.16	29.20	15.87	27.61	1.88	-9.86	19.34	46.02	-26.68	QΡ

Remark:

(1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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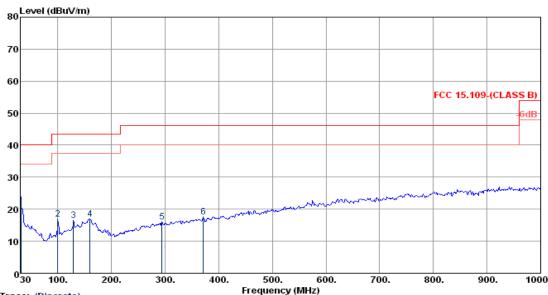


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 26 of 53

Config 2 Test Date: Jul. 27, 2010 Test Mode:

Test By: Frequency Range: 30MHz-1GHz Bear



Trace: (Discrete) Site

RF site 3 FCC 15.109-(CLASS B) VULB9168(20M-2G)-966 VERTICAL (EI-2010-70009)Toshiba_KD56 Condition

Project No.

Applicant : EUT Description: Toshiba Corporation, Mobile Phone

EUT Model Test Mode KD56

Play 1KHz _Config2 Temp./Humid. 24/60

bear operator

EI		Read		731 Preamp Factor	Cable Loss		Level	Limit Line	Over Limit	Remark	
	MHz	dBuV	dB/m	dB	dB	dB/m	dBuV/m	dBuV/m	dB		
1 q 2 3 4 5	128.94	30.39 28.86 28.58	10.15 12.68 14.14 12.67	27.22 26.73	0.73 0.86 1.10 1.53	-14.18 -16.69 -13.94 -11.98 -12.53 -11.20	16.98 16.45 16.88 16.05	43.52 43.52 43.52 46.02	-26.54 -27.07 -26.64 -29.97	QP QP QP QP	

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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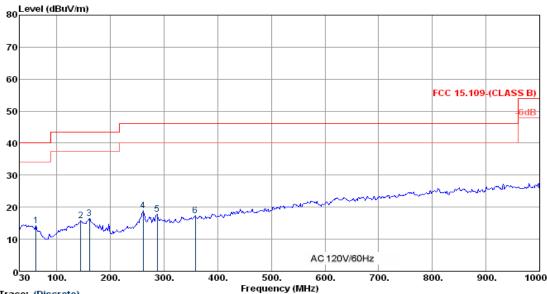


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 27 of 53

Test Mode: Config 2 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

Site Condition RF site 3 FCC 15.109-(CLASS B) VULB9168(20M~2G)-966 HORIZONTAL

Project No. (EI-2010-70009) Toshiba_KD56

Applicant Toshiba Corporation,

EUT Description: EUT Model : Mobile Phone

Test Mode Play 1KHz _Config2

Temp./Humid. operator

MEI			90070A01 Antenna	731 Preamp	Cable			Limit	Over	
	Freq			Factor						Remark
	MHz	dBuV	dB/m	dB	₫B	dB/m	dBuV/m	dBuV/m	₫B	
1 q 2 3 4 5	144.46 160.95 260.86 287.05	28.53 32.50 30.47	13.77 14.14 11.83 12.54	27.81 27.38 27.22 26.76 26.74 27.08	0.99 1.10 1.37 1.47	-12.62 -11.98 -13.56 -12.73	15.83 16.55 18.94 17.74	46.02	-27.69 -26.97 -27.08 -28.28	QP QP QP QP

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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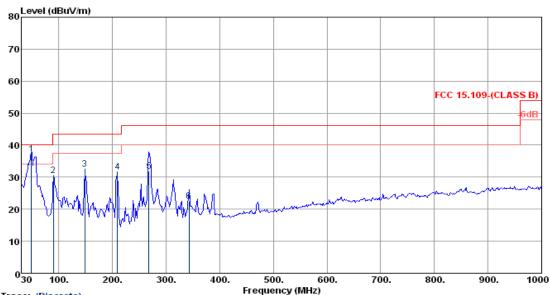


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 28 of 53

Config 3 Test Date: Jul. 27, 2010 Test Mode:

Test By: Frequency Range: 30MHz-1GHz Bear



Trace: (Discrete) Site

RF site 3 FCC 15.109-(CLASS B) VULB9168(20M-2G)-966 VERTICAL (EI-2010-70009)Toshiba_KD56 Condition

Project No.

Applicant : EUT Description: Toshiba Corporation, Mobile Phone

KD56

EUT Model Test Mode Charge+Camera REC _Config3

Temp./Humid. 24/60 bear operator

MEI		Reada		731 Preamp Factor				Limit Line	Over Limit	
-	MHz	dBuV	dB/m	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1 q 2 3 4 5	48.63 90.14 148.34 209.45 267.65 342.34	44.82 47.32 45.16	9.44 14.03 10.07 12.03	27.34 27.01 26.76	0.73 0.99 1.28 1.47	-17.47 -12.32 -15.66 -13.26	30.61 32.50 31.66 31.90	40.00 43.52 43.52 43.52 46.02 46.02	-12.91 -11.02 -11.86 -14.12	QP QP QP QP

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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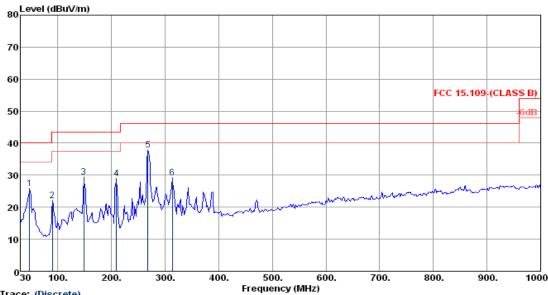


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 29 of 53

Test Mode: Config 3 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

Site Condition RF site 3 FCC 15.109-(CLASS B) VULB9168(20M~2G)-966 HORIZONTAL

Project No. (EI-2010-70009) Toshiba_KD56

Applicant Toshiba Corporation, Mobile Phone

EUT Description: EUT Model :

Test Mode Charge+Camera REC _Config3

Temp./Humid. Operator bear

	: A1000	99979A97	731							
	Read/	Antenna	Preamp	Cable			Limit	Over		
Freq	Level	Factor	Factor	Loss	Factor	Level	Line	Limit	Remark	
MHz	dBu∀	dB/m	dB	dB	dB/m	dBuY/m	dBuV/m	dB		
47.46	39.72	13.61	27.84	0.39	-13.84	25.88	40.00	-14.12	QP	
90.14	39.47	9.44	27.64	0.73	-17.47	22.00	43.52	-21.52	QΡ	
148.34	41.68	14.03	27.34	0.99	-12.32	29.36	43.52	-14.16	ŰΡ	
				1.28	-15.66	28.96	43.52	-14.56	ŨΡ	
267.65	51.21	12.03	26.76	1.47	-13.26	37.95	46.02	-8.07	OP .	
313.24										
	Freq MHz 47.46 90.14 148.34 209.45 267.65	Freq Level MHZ dBuV 47.46 39.72 90.14 39.47 148.34 41.68 299.45 44.62 267.65 51.21	ReadAntenna Level Factor MHz dBuV dB/m 47.46 39.72 13.61 90.14 39.47 9.44 148.34 41.68 14.03 209.45 44.62 10.07 267.65 51.21 12.03	Freq Level Factor Factor MHZ dBuV dB/m dB 47.46 39.72 13.61 27.84 90.14 39.47 9.44 27.64 148.34 41.68 14.03 27.34 209.45 44.62 10.07 27.01 267.65 51.21 12.03 26.76	ReadAntenna Preamp Cable Level Factor Factor Gass MHZ dBuV dB/m dB dB 47.46 39.72 13.61 27.84 0.39 90.14 39.47 9.44 27.64 0.73 148.34 41.68 14.03 27.34 0.99 209.45 44.62 10.07 27.01 1.28 267.65 51.21 12.03 26.76 1.47	ReadAntenna Preamp Cable Level Factor Factor Loss Factor	ReadAntenna Preamp Cable Loss Factor Level	Freq ReadAntenna Preamp Level Factor Factor Cable Loss Factor Level Limit Line MHz dBuV dB/m dB dB dB/m dBu/m dBuV/m dBu	ReadAntenna Preamp Cable Limit Over	ReadAntenna Preamp

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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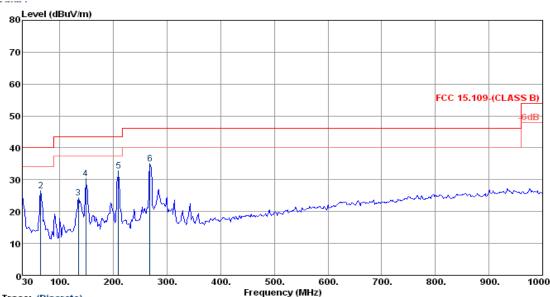


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 30 of 53

Test Mode: Config 4 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

Site

FF site 3 FCC 15.109-(CLASS B) VULB9168(20M-2G)-966 VERTICAL (EI-2010-70009)Toshiba_KD56 Condition

Project No.

Applicant : EUT Description: Toshiba Corporation, Mobile Phone

EUT Model KD56 Test Mode Camera REC _Config4

Temp./Humid. 24/60

operator

MEI		Read		Preamp		F4		Limit	Over	B	
	Freq	Level	Factor	Factor	LOSS	Factor	Level	Line	LIMIT	Kemark	
	MHz	dBuV	dB/m	dB	dB	dB/m	dBuY/m	dBuV/m	dB		
1 2 3 4 5 9	134.76	42.61 48.50	11.98 13.08 14.03 10.07	27.34	0.58 0.99 0.99 1.28	-13.37 -12.32 -15.66	26.41 24.31 30.29 32.84	40.00 43.52 43.52 43.52	-19.21 -13.23 -10.68	QP QP QP QP	

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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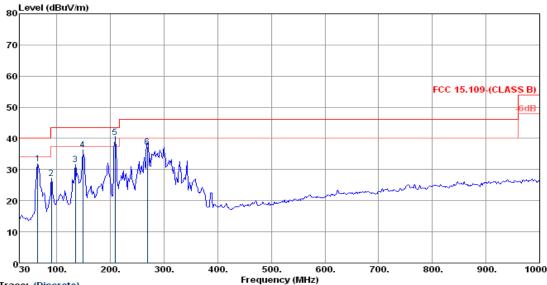


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 31 of 53

Test Mode: Config 4 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

e)

RF site 3

FCC 15.109-(CLASS B) VULB9168(20M~26)-966 HORIZONTAL Condition

Project No. Applicant (EI-2010-70009)Toshiba_KDS6 Toshiba Corporation,

EUT Description: EUT Model : Mobile Phone

KD56 Camera REC Config4

Test Mode Temp./Humid. bear

Operator IMEI A10000070A0731

	Freq			Preamp Factor				Limit Line			
-	MHz	dBu∀	dB/m	₫B	₫B	dB/m	dBuV/m	dBuV/m	₫B		_
1 2 3 4 5 9		44.62 45.04 48.67 56.11	13.08 14.03 10.04	27.64 27.44 27.34 27.01	0.73 0.99 0.99 1.20		27.15 31.67 36.35 40.34	43.52 43.52 43.52 43.52	-16.37 -11.85 -7.17 -3.18	QP QP QP <mark>QP</mark>	

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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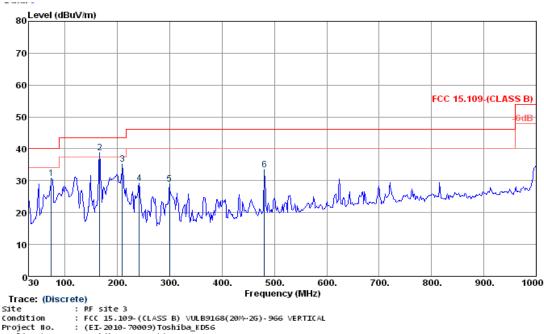


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 32 of 53

Test Mode: Config 5 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Condition

Project No.

Applicant : EUT Description: Toshiba Corporation, Mobile Phone

EUT Model

KD56 Data link _Config5 Test Mode

Temp./Humid. 24/60 operator

ΕI		Read		731 Preamp Factor				Limit Line	Over Limit	Remark	
-	MHz	dBuV	dB/m	₫B	₫B	dB/m	dBuV/m	dBuV/m	₫B		
1 <mark>2 q</mark> 3 4 5	209.45 241.46 299.66	50.79 43.26 41.27	13.56 10.07 11.47 12.80		1.10 1.28 1.37 1.53	-12.54 -15.66 -13.98 -12.40	38.75 35.13 29.28 28.87	46.02 46.02	-4.77 -8.39 -16.74 -17.15	QP QP QP QP	

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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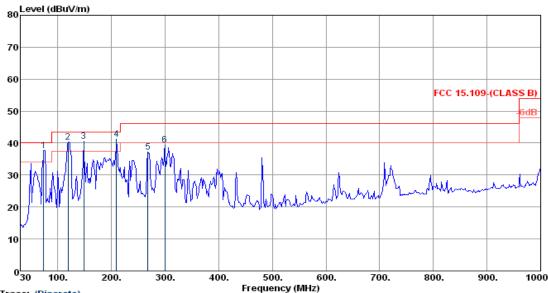


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 33 of 53

Test Mode: Config 5 Test Date: Jul. 27, 2010

Frequency Range: 30MHz-1GHz Test By: Bear



Trace: (Discrete)

RF site 3 Condition FCC 15.109-(CLASS B) VULB9168(20M~26)-966 HORIZONTAL (EI-2010-70009)Toshiba_KD56 Toshiba Corporation,

Project No.

Applicant

EUT Description: EUT Model KD56

Test Mode Data link _Config5

Temp./Humid. Operator IMEI 24/60

A10000070A0731

		Read/		Preamp				Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB/m	dBu∀/m	dBu∀/m	dB	
1 q 2 ! 3 ! 4 ! 5	73.65 119.24 148.34 209.45 267.65 299.66	54.98 52.96 56.79 50.39	12.06 14.03 10.07 12.03	27.52 27.34 27.01 26.76	0.86 0.99 1.28 1.47	-14.60 -12.32 -15.66 -13.26	40.38 40.64 41.13 37.13	46.02	-3.14 -2.88 -2.39 -8.89	QP QP QP QP

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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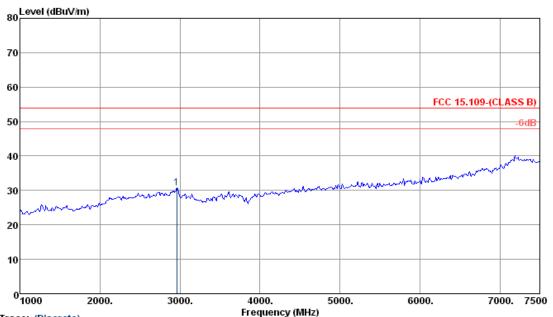


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 34 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 1

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

Site Condition RF site 3 FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

Project No. (EI-2010-70009)Toshiba_KD56

Toshiba Corporation, Applicant : EUT Description: Mobile Phone

EUT Model KD56

Test Mode

Charge+Play 1KHz_Config1 Temp./Humid. 24/60

operator

IMEI A10000070A0731

ReadAntenna Preamp Loss Factor Level Limit Remark Level Factor Factor Line dB/m dBuV/m dBuV/m MHz dBuV dB/m ďΒ

1 p 2963.00 30.21 28.13 32.78 0.60 30.81 54.00 -23.19 Peak 5.25

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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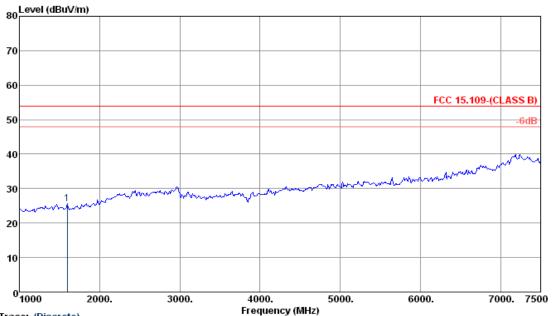


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 35 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 1

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

site RF site 3

Condition FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

Project No. (EI-2010-70009) Toshiba_KD56 Applicant

Toshiba Corporation, EUT Description: Mobile Phone

EUT Model KD56

Charge+Play 1KHz_Config1 Test Mode

Temp./Humid. 24/60 operator

A10000070A0731 IMEI

ReadAntenna Preamp Limit Remark Freq Level Factor Factor Loss Factor Level Line dBuY dB/m dΒ dΒ dB/m dBuV/m dBuV/m

1 p 1598.00 29.99 24.86 32.96 3.75 -4.35 25.64 54.00 -28.36 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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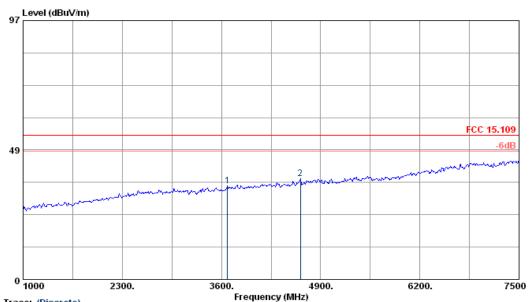


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 36 of 53

Config 2 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

Condition FCC 15:109 3m BBHA9120D VERTICAL

Project No. El-2010-30020 Toshiba Applicant **EUT Description** Mobile Phone EUT Model K01-KD Play mode _config 2 Test Mode

Temp./Humid. 22/58

Operator : Nick

	Freq			Preamp Factor			Level	Limit Line		Remark	
	МНг	dBuV	dB/m	dB	dB	dB/m	dBu∀/m	dBuV/m	dB		
1 2 1	3678.00 p 4633.50										

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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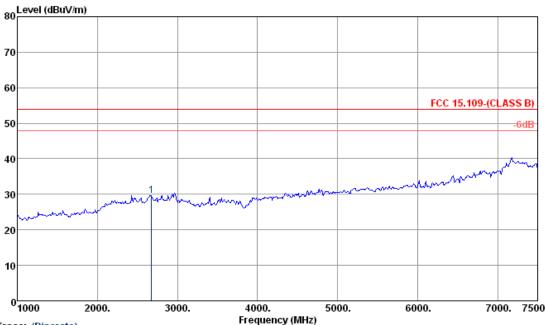


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 37 of 53

Config 2 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

Site RF site 3

Condition FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

Project No. (EI-2010-70009) Toshiba_KD56

Toshiba Corporation, Applicant

EUT Description: Mobile Phone

EUT Model KD56

Test Mode Play 1KHz _Config2

Temp./Humid. 24/60 Operator bear

A10000070A0731

ReadAntenna Preamp Freq Level Factor Factor Cable Limit 0ver Loss Factor Level Limit Remark Line dB/m dBuV/m dBuV/m MHz dBuV dB/m ďΒ ďΒ

1 p 2677.00 29.55 27.86 32.70 5.02 0.18 29.73 54.00 -24.27 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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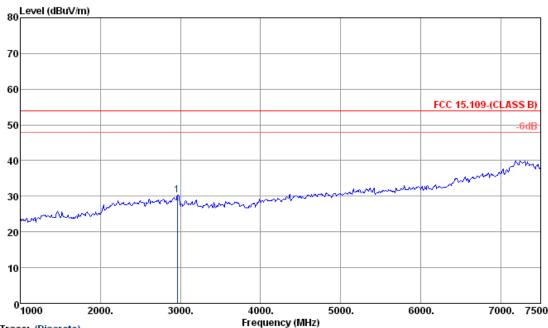


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 38 of 53

Config 3 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

site RF site 3

Condition FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

(EI-2010-70009) Toshiba_KD56 Project No.

Applicant Toshiba Corporation,

EUT Description: Mobile Phone EUT Model : KD56

Test Mode Charge+Camera REC_Config3

Temp./Humid. 24/60 Operator bear

A10000070A0731 IMEI

ReadAntenna Preamp Limit Remark Level Factor Factor Loss Factor Level Line dB/m MHz dBu∀ ďΒ ďΒ dB/m dBuV/m dBuV/m ₫B

1 p 2963.00 29.80 28.13 32.78 0.60 30.40 54.00 -23.60 Peak 5.25

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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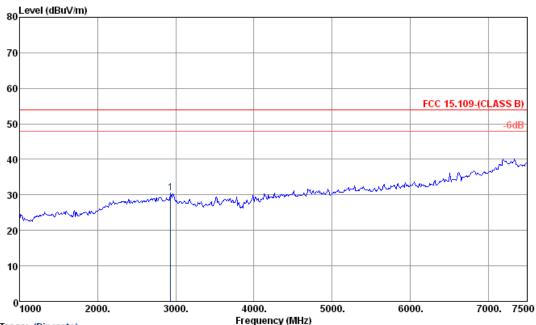


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 39 of 53

Config 3 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

Site

: RF site 3 : FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL Condition

(EI-2010-70009) Toshiba_KD56 Project No.

Applicant Toshiba Corporation, EUT Description: Mobile Phone

EUT Model KD56

Test Mode

Charge+Camera REC_Config3 Temp./Humid.

Operator bear

A10000070A0731 IMEI

ReadAntenna Preamp Cable Limit Freq Level Factor Factor Loss Factor Level Line Limit Remark dBuV dB/m ďΒ ďВ dB/m dBuV/m dBuV/m

1 p 2937.00 29.92 28.09 32.74 5.18 0.53 30.45 54.00 -23.55 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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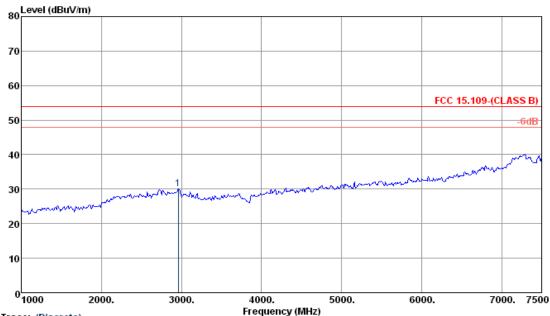


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 40 of 53

Config 4 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

RF site 3 Site Condition FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

Project No. (EI-2010-70009) Toshiba_KD56

Toshiba Corporation, Applicant

EUT Description: Mobile Phone EUT Model KD56

Test Mode

Camera REC _Config4 Temp./Humid. 24/60

Operator bear

A10000070A0731 IMEI

ReadAntenna Preamp Freq Level Factor Factor Line Limit Remark Loss Factor Level dBuV ďΒ dB/m dBuV/m dBuV/m MHz dB/m ₫B

1 p 2963.00 29.39 28.13 32.78 5.25 0.60 29.99 54.00 -24.01 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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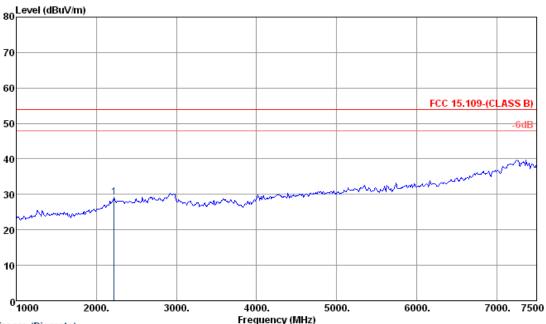


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 41 of 53

Test Mode: Config 4 Test Date: Jul. 27, 2010

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Trace: (Discrete)

Site : RF site 3

Condition : FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

Project No. : (EI-2010-70009) Toshiba_KD56

Applicant : Toshiba Corporation,

EUT Description: Mobile Phone EUT Model : KD56

Test Mode : (amera REC _Config4

Temp./Humid. : 24/60

Operator : bear

IMEI : A10000070A0731

ReadAntenna Preamp Cable Limit Over
Freq Level Factor Factor Loss Factor Level Line Limit Remark

MHz dBuV dB/m dB dB/m dBuV/m dBuV/m dB

1 p 2222.00 29.59 27.82 32.81 4.48 -0.51 29.08 54.00 -24.92 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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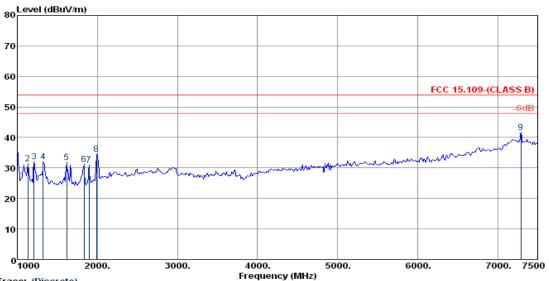


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 42 of 53

Config 5 Test Date: Jul. 27, 2010 Test Mode:

Test By: Frequency Range: 1GHz – 7.5GHz Bear



Trace: (Discrete)

FF site 3
FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL
(EI-2010-70009)Toshiba_KD56
Toshiba_Corporation,
Mobile Phone Condition

Project No. Applicant EUT Description EUT Model

KD56

Test Mode Temp./Humid. Data link _Config5

Operator IMET

LIET.			000/040						_	
		Read	Antenna	Preamp	Cable			Limit	Over	
	Freq	Level	Factor	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
	11112	abai	GD7 III	GD.	GD.	GD7 III	abanziii	aba i / iii	GD.	
1	1000.00	42.02	24.25	32.80	2.89	-5.66	36.36	54.00	-17.64	Post
ż	1130.00	37.34			3.18			54.00		
3	1208.00	37.64	24.35	33.17	3.31	-5.51	32.13	54.00	-21.87	Peak
4	1325.00	36.42	25.05	32.91	3.43	-4.43	31.99	54.00	-22.01	Peak
5	1617.50	36.18	24.83	32.91	3.82	-4.26	31.92	54.00	-22.08	Peak
6	1832.00	34.79	25.10	32.80	4.16	-3.54	31.25	54.00	-22.75	Peak
7	1897.00	34.48	25.35	32.95	4.14	-3.46	31.02	54.00	-22.98	Peak
8	1988.00	37.65	25.80	33.09	4.25	-3.04	34.61	54.00	-19.39	Peak
9 p	7292.00	28.95			8.76	12.82	41.77	54.00	-12.23	Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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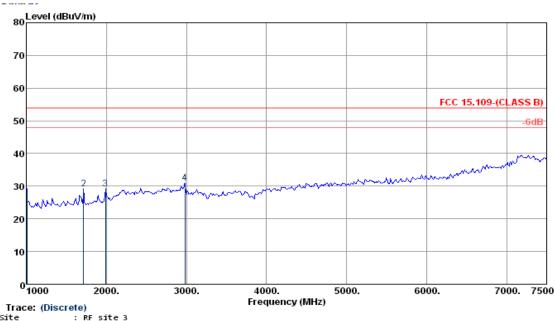


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 43 of 53

Config 5 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 1GHz – 7.5GHz Test By: Bear



Site

FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL (EI-2010-70009)Toshiba_KD56 Condition

Project No.

Applicant Toshiba Corporation,

EUT Description: EUT Model Mobile Phone

Data link _Config5 Test Mode

Temp./Humid.

Operator bear

A10000070A0731

	Frea			Preamp Factor				Limit Line		Remark	
	MHz	dBuV		dB							
1 2 3 4 p	1006.50 1715.00 1988.00 2982.50	33.46 32.16	24.74 25.80	32.99 33.09	3.94 4.25	-5.57 -4.31 -3.04 0.76	29.15 29.12	54.00 54.00	-24.85 -24.88	Peak Peak	

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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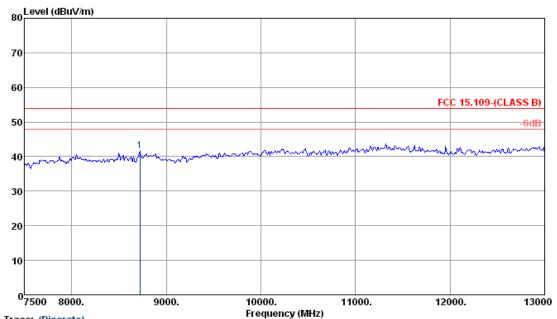


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 44 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 1

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3 : FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL : (EI-2010-70009)Toshiba_KD56 Condition

Project No.

Applicant Toshiba Corporation,

EUT Description: Mobile Phone EUT Model KD56

Test Mode Charge+Play 1KHz_Config1

Temp./Humid. Operator 24/60

bear

IMEI A10000070A0731

ReadAntenna Preamp Freq Level Factor Factor Cable Limit Loss Factor Level dBuV dB/m MHz ďΒ ďΒ dB/m dBuV/m dBuV/m

9.72 15.03 41.58 54.00 -12.42 Peak 1 p 8721.00 26.55 37.39 32.08

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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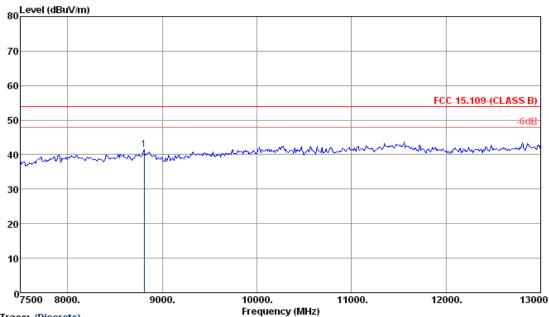


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 45 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 1

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3 Site

Condition FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

(EI-2010-70009)Toshiba_KD56 Toshiba Corporation, Project No.

Applicant EUT Description: Mobile Phone

EUT Model KD56

Charge+Play 1KHz_Config1 Test Mode

Temp./Humid. 24/60 Operator

A10000070A0731 IMEI

ReadAntenna Preamp Freq Level Factor Factor Loss Factor Level Limit Remark MHz dBuV dB/m ďΒ ₫B dB/m dBuV/m dBuV/m

1 p 8809.00 26.30 37.52 32.18 9.77 15.11 41.41 54.00 -12.59 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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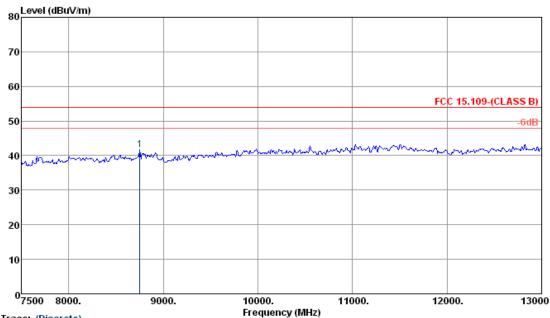


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 46 of 53

Config 2 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3

Condition : FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

(EI-2010-70009) Toshiba_KD56 Project No.

Applicant Toshiba Corporation,

EUT Description: Mobile Phone EUT Model KD56

Test Mode Play 1KHz _Config2

Temp./Humid. Operator 24/60

bear

IMEI A10000070A0731

ReadAntenna Preamp Freq Level Factor Factor Cable Limit Loss Factor Level MHz dBuV dB/m dΒ dB dB/m dBuV/m dBuV/m

1 p 8754.00 26.56 37.44 32.09 9.72 15.07 41.63 54.00 -12.37 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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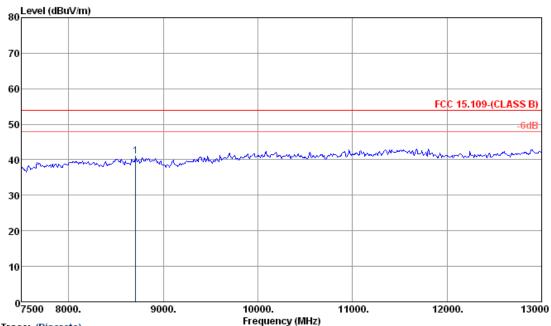


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 47 of 53

Test Mode: Config 2 Test Date: Jul. 27, 2010

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

Site : RF site 3

Condition : FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

Project No. : (EI-2010-70009)Toshiba_KD56

Applicant : Toshiba Corporation,

EUT Description: Mobile Phone

EUT Model : KD56

Test Mode : Play 1KHz _Config2 Temp./Humid. : 24/60

Temp./Humid. : 24/60 Operator : bear

IMEI : A10000070A0731

ReadAntenna Preamp Cable Limit Over
Freq Level Factor Factor Loss Factor Level Line Limit Remark

MHz dBuV dB/m dB dB/m dBuV/m dBuV/m dB

1 p 8710.00 26.04 37.39 32.06 9.71 15.04 41.08 54.00 -12.92 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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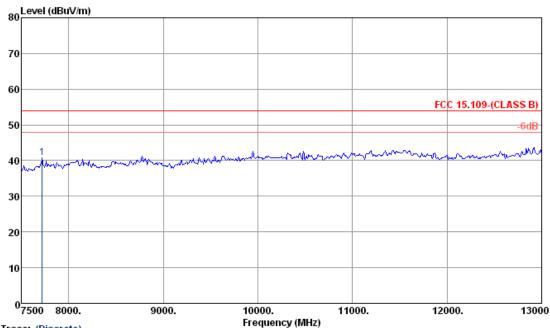


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 48 of 53

Test Mode: Config 3 Test Date: Jul. 27, 2010

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

Site : RF site 3

Condition : FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

Project No. : (EI-2010-70009) Toshiba_KD56

Applicant : Toshiba Corporation,

EUT Description: Mobile Phone EUT Model : KD56

Test Mode : Charge+Camera REC_Config3

Temp./Humid. : 24/60 Operator : bear

IMEI : A10000070A0731

ReadAntenna Preamp Cable Limit Over
Freq Level Factor Factor Loss Factor Level Line Limit Remark

MHz dBuV dB/m dB dB dB/m dBuV/m dBuV/m dB

1 p 7720.00 27.81 36.52 32.65 9.05 12.92 40.73 54.00 -13.27 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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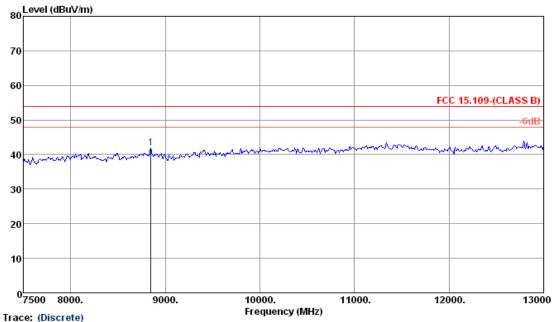


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 49 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 3

Frequency Range: 7.5GHz – 13GHz Test By: Bear



RF site 3

Condition : FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL : (EI-2010-70009)Toshiba_KD56

Project No.

Appĺicant Toshiba Corporation,

EUT Description: Mobile Phone EUT Model : KD56

Test Mode Charge+Camera REC_Config3

Temp./Humid. 24/60 : bear Operator

A10000070A0731

ReadAntenna Preamp Cable Freq Level Factor Factor Loss Limit Loss Factor Level dB/m dBuY/m dBuY/m dΒ MHz dBuV dB/m ₫B ďΒ

1 p 8847.50 26.83 37.49 32.26 9.82 15.05 41.88 54.00 -12.12 Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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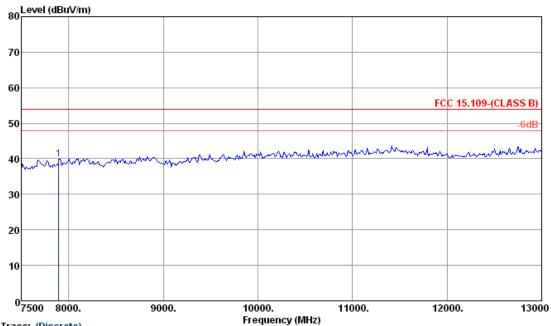


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 50 of 53

Config 4 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3

Condition FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

(EI-2010-70009)Toshiba_KD56 Toshiba Corporation, Project No.

Applicant EUT Description: Mobile Phone

EUT Model KD56

Test Mode Camera REC _Config4

Temp./Humid. 24/60 Operator bear

A10000070A0731

ReadAntenna Preamp Cable Limit Over Freq Level Factor Factor Loss Factor Level Limit Remark dBuV ďΒ dB/m dBuV/m dBuV/m

1 p 7896.00 26.44 36.82 32.52 9.18 13.48 39.92 54.00 -14.08 Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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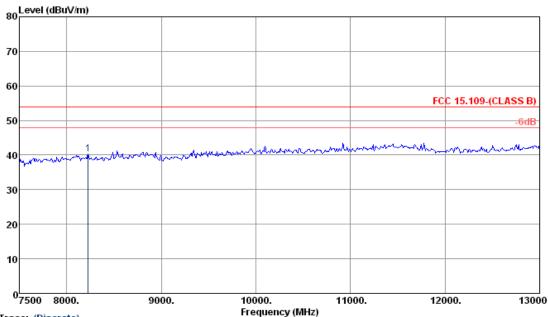


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 51 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 4

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3 site

Condition FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

(EI-2010-70009)Toshiba_KD56 Toshiba Corporation, Project No.

Applicant EUT Description: Mobile Phone

EUT Model KD56

Camera REC _Config4 Test Mode

Temp./Humid. 24/60 operator

A10000070A0731 IMEI

ReadAntenna Preamp Freq Level Factor Factor Loss Factor Level Limit Remark Line MHz dBuV dB/m ₫B ďΒ dB/m dBuV/m dBuV/m

1 p 8226.00 26.68 36.67 32.28 9.36 13.75 40.43 54.00 -13.57 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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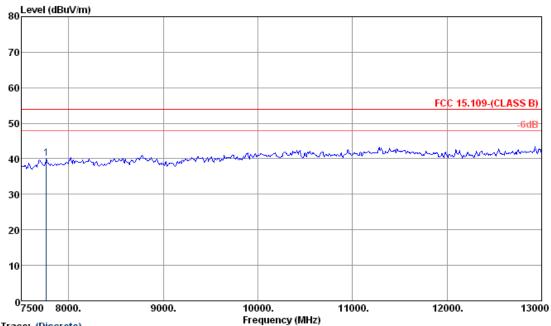


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 52 of 53

Config 5 Test Date: Jul. 27, 2010 Test Mode:

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3

Condition FCC 15.109-(CLASS B) BBHA9120D(966) VERTICAL

(EI-2010-70009)Toshiba_KD56 Toshiba Corporation, Project No.

Applicant Mobile Phone

EUT Description: EUT Model KD56

Data link _Config5 Test Mode

Temp./Humid. 24/60 Operator bear

A10000070A0731

ReadAntenna Preamp Freq Level Factor Factor Cable Limit Over Loss Factor Level Limit Remark ďΒ dB/m dBuV/m dBuV/m dBu∀

9.11 13.05 40.02 54.00 -13.98 Peak 1 p 7764.00 26.97 36.58 32.64

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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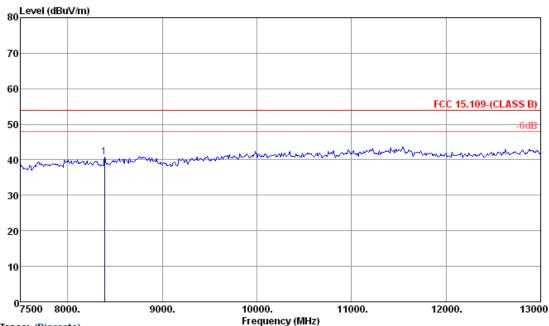


Report No.: EI/2010/70009 Issue Date: Aug. 09, 2010

Page: 53 of 53

Test Date: Jul. 27, 2010 Test Mode: Config 5

Frequency Range: 7.5GHz – 13GHz Test By: Bear



Trace: (Discrete)

RF site 3 Site

Condition FCC 15.109-(CLASS B) BBHA9120D(966) HORIZONTAL

Project No. (EI-2010-70009) Toshiba_KD56

Toshiba Corporation, Applicant

EUT Description: Mobile Phone EUT Model

KD56 Test Mode

Data link _Config5 Temp./Humid. 24/60

Operator bear

A10000070A0731

ReadAntenna Preamp Freq Level Factor Factor Cable Limit 0ver Loss Factor Level Limit Remark Line dB/m dBuV/m dBuV/m MHz dBuV dB/m ďΒ ďΒ

1 p 8391.00 26.59 36.69 32.07 9.51 14.13 40.72 54.00 -13.28 Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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