FCC ID : 2AZ3GK-117405410000

TEST REPORT

Report reference No. 21TR-K0301-1

Date & No. of reception November 10, 2021 (D21K0156)

Applicant (Name & address) Konami Amusement Co., Ltd. 1, Ikejiri, Takata,Ichinomiya-shi, Aichi-ken,491-0125 Japan

Name of product CONTROLLER

Model / type Ref. BF010

Rating and principal characteristics DC5V, 100mA

Test Standard

FCC 47CFR Part 15 Subpart B (October 1, 2020 Edition) ClassB ANSI C63.4:2014

Test Result

PASS

Date of issue

November 12, 2021



Kazuo OHARA Director, Kansai Laboratory Japan Electrical Safety & Environment Technology Laboratories (JET)

Testing laboratory

Japan Electrical Safety & Environment Technology Laboratories

	JET Tokyo Laboratory 5-14-12 Yoyogi, Shibuya-ku, Tokyo, 151-8545, Japan					
	JET Yokohama Laboratory 1-12-30 Motomiya, Tsurumi-ku, Yokohama, 230-0004, Japan					
	JET Kansai Laboratory 4-1, Koyo-cho Nishi, Higashinada-ku, Kobe, Hyogo, 658-0033, Japan					
	JET Power Technology Testing Laboratory 1-12-28 Motomiya, Tsurumi-ku, Yokohama, 230-0004, Japan					
	Other Location () Address:					
Date of sampl	e received July 27, 2021					
Date of test	August 5, 2021 until August 5, 2021					

Tested by (+ signature)

Kazuhiro YAMAMOTO

Approved by (+ signature)

Shuichi UKIMORI

Test case verdicts

N(.A.) : Test case does not apply to the test object.

P(ass) : Test item does meet the requirement.

F(ail) : Test item does not meet the requirement.

: Test item not applied. (according to request from the applicant)

General remarks

- The test results presented in this report relate only to the object tested.
- This report shall not be reproduced except in full without the written approval of JET.

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Name of Product:CONTROLLERModel / type Ref.:BF010Serial No.:Rating:DC5V, 100mA	
Earthing: NoneType of Product: Floor standingProtection against:Electric Shock:Test Standard:EMI Standard:□ Electrical Appliance and Material Safety Law	
 IEC(EN) FCC 47CFR Part 15 Subpart B (October 1, 2020 Edition) Class ANSI C63.4:2014 Low Frequency Emission Standard IEC(EN)61000-3-2 IEC(EN)61000-3-3 Immunity Standard IEC(EN) CISPR(EN) IEC(EN)61000-4-2 IEC(EN)61000-4-3 IEC(EN)61000-4-4 IEC(EN)61000-4-5 IEC(EN)61000-4-6 IEC(EN)61000-4-8 IEC(EN)61000-4-11 IEC(EN)61000-4-11 	sB
Remarks (Reason to select the above test standards, and others) Since the normal operating condition of this EUT is to display the o on the PC, it is necessary to display the operation program on the operate this EUT	peration program PC in order to

So both H pattern and smallest sized operation program were displayed on the PC monitor.

According to ANSI C63.4, it is preferable to place them in a row on a desk with a width of 1.5m.

Considering that it would be difficult to fit the width of the table, the PERIPERAL (printer) was placed 10cm in front.

Form EMC-EUT-1(4.2011)

Report reference No.21TR-K0301-1 Configuration of EUT (Information provided by the applicant)



1. USB Mode (EUT Power : USB 5V)

2. Bluetooth Mode (EUT Power : AA Battery \times 3)



Configuration of EUT ((Information	provided by	y the applicant)
			, , , ,

$\overline{\ }$	Name	Model	Serial	Remarks
1	EUT	BF010	_	Controller
2	PC	ZBOOK 15 G2	CND5357280	HP,FCC DoC MARK
3	AC Adapter (PC)	HSTNN-CA27	WBYFC0AHH1Q064	HP,FCC DoC MARK
4	VGA Monitor	E178FPc	CN-0RY981-64180-7A8-3Z1S	DELL, FCC DoC MARK
5	Printer	MG6130	ACBM49967	Canon,FCC DoC MARK
6	Mouse	MS111-P	CN-011D3V-71581-16N-203B	DELL,FCC DoC MARK
\bigcirc				
8				
9				
10				
(12)				
(13)				
14				
(15)				
16				
1				
(18)				
(19)				
20				
21)				
(22)				
23				
24				
(25)				

\geq	Cable name	Length(m)	Screened	Remarks
а	USB Cable	3	Shielded	
b	DC Cable(PC)	1.8	Unshielded	With core(Standard accessories)
С	AC Cable (PC)	1.75	Unshielded	
d	VGA Cable	2	Shielded	With two cores(Standard accessories)
е	AC Cable (VGA Monitor)	1.8	Unshielded	
f	LAN Cable	5	Unshielded	
g	AC Cable (Printer)	1.7	Unshielded	
h	USB Cable (Mouse)	1.8	Shielded	
i				
j				
k				
m				
n				
0				
р				
q				
r				
s				
t				

Form EMC-EUT-2-3(4.2013)

Disturbance source (Information provided by the applicant):
Highest frequency: 2.5GHz (Bluetooth)

Suppressor (Information provided by the app	plicant):
Oriteria of Immunity Tests (Information provid Criteria A :	led by the applicant)
<u> </u>	
\mathbf{X}	
<u>_</u>	
<u> </u>	
\mathbf{X}	
Critorio P :	
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<u>_</u>	
	_
	\mathbf{A}
Criteria C ·	$\overline{}$
Gillena C.	\mathbf{X}
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	<u>_</u>
	<u> </u>
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Criteria D ·	<u> </u>
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	<u>_</u>

Form EMC-EUT-3(4.2002)

Test Standard	Test Items	Verdict
Electrical Appliance and	Conducted Disturbance Measurements	Р
Material Safety Law	See pages 11 ~ 14	
	Disturbance Power Measurements	—
	See pages ~	
■ FCC 47CFR Part 15 Subpart B	Radiated Disturbance (Magnetic Field) Measurements	—
(October 1, 2020 Edition)	See pages ~	
ClassB	Radiated Disturbance (Electric Field) Measurements	Р
	See pages 15 ~ 22	
ANSI C63.4:2014	□ Radiation Disturbance Power Measurements	_
	See pages ~	
	Antenna Terminal Voltage Measurements	—
	See pages ~	
		—
	See pages ~	
		_
	See pages ~	
□ IEC(EN)61000-3-2		
	Harmonic Current Measurements	—
	See pages ~	
□ IEC(EN)61000-3-3		
	Voltage Fluctuation and Flicker Measurements	—
	See pages ~	

Remark : ■ shows applied standards and items.

The SCOPE of VLAC test laboratory accreditation according to IEC/ISO 17025 is following.

Emission tests VCCI Technical Requirements:VCCI-CISPR 32,CISPRJ 15,CISPRJ 32 FCC Part15 Subpart B (ANSI C63.4:2014) CISPR14-1, CISPR22, CISPR32 EN55014-1, EN55022, EN55032 J55014-1, J55022, AS/NZS CISPR14.1, AS/NZS CISPR22, K00014-1, K00022, KN22

Test Equipment (for Conducted Disturbance Measurements) This test was conducted in the following room.

■ Shielded Room 1A(FCC JP5193, VCCI A-0258)

Measurement Software	e EP5/CE Toyo Corporation	Version :	5.6.020 Calibration	Interval
Test Receiver / Spectr	um Analvzer		due date	(vear)
\square FSR26	ROHDF&SCHWAR7	K355018Aa	2022/4/30	1
■ FSR3	ROHDE&SCHWARZ	K355019Aa	2022/4/30	1
	ROHDE&SCHWARZ	K354033Na	2021/12/31	1
Tost Possivor				-
\square KNM-2402	Kvoritsu Electrical Works	K354040Aa	2022/2/28	1
Spectrum Analyzer			0004/40/04	4
	Aglient Technology	K354029IVIa	2021/12/31	1
	Aglient Technology	K354018Aa	2022/1/31	I
LISN				
KNW-341C	Kyoritsu Electrical Works	K354007Aa	2022/6/30	1
KNW-341C	Kyoritsu Electrical Works	K354008Aa	2021/12/31	1
KNW-341F	Kvoritsu Electrical Works	K355041Aa	2022/6/30	1
KNW-242F	Kvoritsu Electrical Works	K355042Aa	2022/7/31	1
KNW-242F	Kyoritsu Electrical Works	K355043Aa	2022/7/31	1
		1000040/10	2022/1/01	·
Hi-Impedance Probe				
KNW-410C	Kyoritsu Electrical Works	K354012Aa	2022/7/31	1
KNW-410C	Kyoritsu Electrical Works	K354013Aa	2022/3/31	1
Artificial Hand				
\neg K-0003	Kyoritsu Electrical Works	K35/023Aa	2022/6/30	1
	Kyoritau Electrical Works	K254024Aa	2022/0/00	1
□ N-9003	Ryonisu Electrical Works	NJJ4024Aa	2022/1/31	I
ISN				
□ ST08	TESEQ	K355046Aa	2022/5/31	1
T8-CAT6	TESEQ	K355045Aa	2022/5/31	1
□ T 8	TESEQ	K355044Aa	2022/5/31	1
Ourse of Durch a				
	Fischer Queter Communications		2022/5/24	1
	Fischer Custom Communications	K355084Aa	2022/3/31	I
Decoupling Clamp				
□ KEMA801A	TESEQ	K355083Aa	not required	
T : ((500)				
I erminator (50 Ω)				
\Box Terminator (50 Ω)		K44501/Aa	2022/7/31	1
 Terminator (50Ω) 		K445015Aa	2022/7/31	1
□ Terminator (50Ω)		K445016Aa	2022/7/31	1
 Terminator (50Ω) 		K448001Aa	2022/7/31	1
Coavial cable / RE Swi	tch			
	K445004Ba K355027E	~ K4480034a	2022/6/30	1
-	1177007Da,1100027E	5,1X770000/7a	0,0,00	•
Digital thermo-hygrogra	aph			
🗆 TR-77Ui (AC)	T&D	K366175Aa	2022/1/31	1
TR-77Ui (S1A)	T&D	K366155Aa	2022/1/31	1
TR-77Ui (S2A)	T&D	K366166Aa	2022/1/31	1

Form EMC-Equip-K1(04.2021)

Test Equipment

(for Radiated Disturbance Measurements(30M-1000MHz))

This test was conducted in the shielded room (FCC JP5193, VCCI A-0258).

Measurement Software	EP5/RE	Toyo Corporation	Version : 6.	00.010	
				Calibration	Interval
Test Receiver / Spectru	ım Analyzer			due date	(year)
ESR26	ROHDE&SCHW	ARZ	K355018Aa	2022/4/30	1
□ ESR3	ROHDE&SCHW	ARZ	K355019Aa	2022/4/30	1
	ROHDE&SCHW	ARZ	K354033Na	2021/12/31	1
Broadband Antenna					
BBA9106	Schwarzbeck		K355052Aa/K355050Aa	2022/5/31	2
BBA9106	Schwarzbeck		K355053Aa/K355051Aa	2022/5/31	2
UHALP9108A	Schwarzbeck		K355054Aa	2022/10/31	2
UHALP9108A	Schwarzbeck		K355055Aa	2022/10/31	2
Pre-amplifier					
■ 310N	Sonoma		K355057Aa	2022/6/30	1
Coaxial cable / RF Swit	ch				
■	W202,W002,W10	07,W105,W104,W102,W101,	K354033Nb,K445013Aa	2022/6/30	1
Digital thermo-hydrogra	ιph				
■ TR-77Ui (AC)	T&D		K366175Aa	2022/1/31	1

(for Radiated Disturbance Measurements(above 1GHz))

This test was conducted in the Anechoic Chamber (FCC JP5193, VCCI A-0258).Measurement SoftwareEP5/REToyo CorporationVersion : 6.00.010

Test Receiver / Spec ■ ESR26	rum Analyzer ROHDE&SCHWARZ	K355018Aa	2022/4/30	1
Double Ridged Guide 3117 TR17206	Antenna ETS-Lindgren ADVANTEST	K355056Aa EM-080	2022/3/31 2023/5/31	2 2
Pre-amplifier ■ TPA0118-36	TOYO Corporation	K355058Aa	2022/6/30	1
Coaxial cable / RF Sv ■	vitch 	W202,W203	. 2022/6/30	1
Digital thermo-hygrog ■ TR-77Ui(AC)	ıraph T&D	K366175Aa	2022/1/31	1

Form EMC-Equip-K4(06.2019)

Conducted Disturbance Measurements

Name of Product : CONTROLLER

Model / type Ref. : BF010

Serial No. : -----

Earthing : None Type of Product : Floor standing

Test Standard (Test Procedure)

□ Electrical Appliance and Material Safety Law

□ IEC(EN)

FCC 47CFR Part 15 Subpart B (October 1, 2020 Edition) ClassB (PCM-77-75)
 ANSI C63.4:2014 (PCM-77-75)

Measurement uncertainty : 2.6dB (Expanded uncertainty has confidential interval approx. 95% (k=2).) (150kHz-30MHz) for AMN

Remarks :

Test Result : ■ Passed □ Failed

Form EMC-CE-1(3.2011)

Conducted Disturbance Measurements (Mains Terminal)

Date		: Augus	t 5, 2021		Engineer	:	Kazuhiro YAMAMOTO
Temp.	:	22 °C	R.H.	:	52 %		

Temp. : 22 °C Operating conditions :

PC Power : 120V 60Hz

EUT Power : From PC (USB 5V)

Frog	Corr.			Quasi F	Peak		Average					
rieq.	Factor	Line	Meter	Meas. Value	Limit	Margin	Meter	Meas. Value	Limit	Margin		
	[dB]		[dBµV]	[dBµV]	[dBµV]	[dB]	[dBµV]	[dBµV]	[dBµV]	[dB]		
0.150	10.9	L1	33.7	44.6	66.0	21.4	19.3	30.2	56.0	25.8		
0.315	10.4	L1	25.4	35.8	59.8	24.0	16.5	26.9	49.8	22.9		
2.821	10.4	L1	28.5	38.9	56.0	17.1	22.3	32.7	46.0	13.3		
3.071	10.3	L1	31.5	41.8	56.0	14.2	25.9	36.2	46.0	9.8		
3.225	10.3	L1	28.1	38.4	56.0	17.6	22.1	32.4	46.0	13.6		
10.285	10.8	L1	17.5	28.3	60.0	31.7	13.2	24.0	50.0	26.0		
18.914	11.3	L1	18.8	30.1	60.0	29.9	12.4	23.7	50.0	26.3		
0.150	10.9	L2	34.5	45.4	66.0	20.6	19.3	30.2	56.0	25.8		
0.311	10.4	L2	24.9	35.3	59.9	24.6	16.8	27.2	49.9	22.7		
2.723	10.5	L2	29.3	39.8	56.0	16.2	23.3	33.8	46.0	12.2		
3.073	10.4	L2	33.0	43.4	56.0	12.6	27.8	38.2	46.0	7.8		
3.396	10.5	L2	28.8	39.3	56.0	16.7	23.0	33.5	46.0	12.5		
5.445	10.6	L2	17.0	27.6	60.0	32.4	11.1	21.7	50.0	28.3		
19.316	11.3	L2	19.3	30.6	60.0	29.4	12.1	23.4	50.0	26.6		

Remarks : USB Mode

Test Result : ■ Passed □ Failed

Form EMC-CE-2(4.2011)



Conducted Disturbance Measurements

Form EMC-CE-7(4.2008)

Conducted Disturbance Measurements

Test arrangement of CE.



Meas. Value = Meter + (Corr.Factor) Corr.Factor = CL + LISN Factor

The EUT was arranged in a typical equipment configuration and placed on an insulating material above the conducting ground plane, floor of a shield room. Styrofoam with a height of 80cm was positioned 40cm away from the wall of the Vertical-reference ground plane.

The LISN was positioned on the floor of the shield room 80cm from the side of the EUT.

The power cord of the EUT was connected to the LISN.

A second LISN was positioned on the floor of the shield room 80cm from the side of the supporting equipment.

ALL power cords except the EUT were then powered from the second LISN. Power line conducted emissions testing was carried out individually for each current carrying conductor of the EUT.

The excess length of lead between the system and the LISN receptacle was folded back and forth to from a bundle not exceeding 40cm in length.

The shield room, conducting ground plane, analyzer and LISN were bonded together to the protective earth ground.

Preliminary testing was performed to identify the frequencies of the emissions that had the highest amplitudes.

The cables were repositioned to obtain maximum amplitude of measured EMI level.

Once the worst case configuration was identified, plots were made of the EMI from 150kHz to 30MHz then the data was recorded with maximum conducted emissions levels.

Radiated Disturbance (Electric Field) Measurements

Name of Product	:	CONTROLLER
Model / type Ref.	:	BF010
Serial No.	:	
Earthing	:	None
Type of Product	:	Floor standing

Test Standard (Test Procedure) □ Electrical Appliance and Material Safety Law

□ IEC(EN)

■ FCC 47CFR Part 15 Subpart B (October 1, 2020 Edition)	ClassB (PCM-77-75)
ANSI C63.4:2014 (PCM-77-75)	

Measuring Distance : 3m (30MHz-1000MHz) $3m (\geq 1GHz)$

Measurement uncertainty :	5.6dB (Expanded uncertainty has confidential interval approx. 95% (k=2).)
	(30MHz-1000MHz)
	4.7dB (Expanded uncertainty has confidential interval approx. 95% (k=2).)
	(≧1GHz)

Remarks :

Since the maximum frequency of the product is 2.5 GHz, the measurement was performed up to 12.5 GHz of the 5th harmonic.

It's necessary to conduct the conducted disturbance measurement for the AC adaptor of the PC, because the PC is the power supply unit for the EUT.

So the measurement arrangement of both the conducted disturbance measurement and the radiated disturbance measurement were made with the AC adaptor of the PC included.

Test Result : ■ Passed □ Failed

Form EMC-RE-1(4.2021)

Radiated Disturbance (Electric Field) Measurements (Frequency Range : 30M~1000MHz)

Date : August 5, 2021 Engineer : Kazuhiro YAMAMOTO											
Temp. :	Temp. : 22 °C R.H. : 52 %										
Operating conditions :											
PC Power : 120V 60Hz											
EUT Power : From PC (USB 5V)											
Γ_	Corr						Ant				
Frequency [MHz]	Factor [dB]	Meter [dBµV]	Meas. Value [dBµV/m]	Polarity	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]			
47.80	-15.5	42.9	27.4	Vertical	40.0	12.6	101	351			
66.26	-16.3	44.8	28.5	Vertical	40.0	11.5	101	146			
73.11	-16.3	43.4	27.1	Vertical	40.0	12.9	104	260			
77.22	-16.3	46.2	29.9	Vertical	40.0	10.1	100	258			
98.39	-15.4	48.6	33.2	Horizontal	43.5	10.3	239	244			
214.38	-9.4	42.8	33.4	Horizontal	43.5	10.1	158	220			
224.92	-8.9	43.9	35.0	Horizontal	46.0	11.0	209	206			
276.07	-6.4	43.6	37.2	Vertical	46.0	8.8	100	330			
456.22	-6.1	43.9	37.8	Horizontal	46.0	8.2	100	322			
966.49	1.9	27.8	29.7	Horizontal	54.0	24.3	100	291			

Remarks :

USB Mode

Test Result :
Passed
Failed

Form EMC-RE-3b(4.2021)

Radiated Disturbance (Electric Field) Measurements (Frequency Range : 30M~1000MHz)

Date : August 5, 2021 Engineer : Kazuhiro YAMAMOTO											
Temp. : 22 °C R.H. : 52 %											
Operating conditions :											
PC Power	PC Power : 120V 60Hz										
EUT Power : AA Battery×3											
	-										
Frequency	Corr. Factor	Meter	Meas. Value	Polarity	Limit	Margin	Ant. Height	Angle			
[MHz]	[dB]	[dBµV]	[dBµV/m]	. channey	[dBµV/m]	[dB]	[cm]	[°]			
39.53	-14.5	42.9	28.4	Vertical	40.0	11.6	101	96			
77.20	-16.3	48.9	32.6	Vertical	40.0	7.4	101	241			
98.45	-15.4	49.5	34.1	Horizontal	43.5	9.4	234	237			
138.08	-13.2	43.3	30.1	Horizontal	43.5	13.4	227	55			
214.58	-9.4	41.8	32.4	Horizontal	43.5	11.1	152	274			
234.69	-8.6	44.8	36.2	Horizontal	46.0	9.8	148	359			
276.11	-6.4	46.7	40.3	Horizontal	46.0	5.7	123	246			
428.36	-6.7	40.9	34.2	Vertical	46.0	11.8	100	213			
960.49	1.7	25.9	27.6	Horizontal	54.0	26.4	100	93			
											
							1	1			

Remarks :

Bluetooth Mode

Test Result :
Passed
Failed

Form EMC-RE-3b(4.2021)

Radiated Disturbance (Electric Field) Measurements



Below 1GHz

Form EMC-RE-5(4.2021)

Radiated Disturbance (Electric Field) Measurements (Frequency Range : 1G~18GHz)

: August 5, 2021 Engineer : Kazuhiro YAMAMOTO Date 52 %

R.H. :

: 22 °C Temp. Operating conditions :

PC Power: 120V 60Hz

EUT Power : From PC (USB 5V)

_	Corr.		Pe	ak			Ave	rage		Ant.		
Frequency [GHz]	Factor [dB]	Meter [dBµV]	Meas. Value [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Meter [dBµV]	Meas. Value [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Height [cm]	Angle [°]
1.07225	-8.4	57.9	49.5	74.0	24.5	38.5	30.1	54.0	23.9	Vertical	172	47
1.59575	-7.2	58.0	50.8	74.0	23.2	38.0	30.8	54.0	23.2	Vertical	188	294
1.75725	-6.6	57.4	50.8	74.0	23.2	35.9	29.3	54.0	24.7	Vertical	113	190
2.39675	-3.9	58.6	54.7	74.0	19.3	37.1	33.2	54.0	20.8	Vertical	101	293
11.99625	8.2	45.9	54.1	74.0	19.9	31.4	39.6	54.0	14.4	Vertical	149	337
12.19875	8.2	45.6	53.8	74.0	20.2	31.3	39.5	54.0	14.5	Horizontal	233	210

Remarks :

USB Mode

Internal max. frequency:2.5GHz (Measurement frequency up to 12.5GHz)

Test Result : Passed □ Failed

Form EMC-RE-4b(4.2021)

Radiated Disturbance (Electric Field) Measurements (Frequency Range : 1G~18GHz)

Date : August 5, 2021 Engineer : Kazuhiro YAMAMOTO

52 %

Temp. : 22 °C R.H. :

Operating conditions :

PC Power : 120V 60Hz EUT Power : AA Battery×3

_	Corr. Factor [dB]		Pe	ak			Ave	rage		Ant.		
[GHz]		Meter [dBµV]	Meas. Value [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Meter [dBµV]	Meas. Value [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Height [cm]	Angle [°]
1.08300	-8.4	56.9	48.5	74.0	25.5	38.0	29.6	54.0	24.4	Vertical	180	33
1.59625	-7.2	59.6	52.4	74.0	21.6	38.2	31.0	54.0	23	Vertical	223	303
2.60025	-3.1	55.1	52.0	74.0	22	32.9	29.8	54.0	24.2	Horizontal	290	4
2.52000	-3.4	54.4	51.0	74.0	23	33.2	29.8	54.0	24.2	Horizontal	167	23
12.10875	8.0	45.1	53.1	74.0	20.9	31.7	39.7	54.0	14.3	Vertical	162	316
12.42750	7.8	46.4	54.2	74.0	19.8	31.7	39.5	54.0	14.5	Horizontal	197	227

Remarks :

Bluetooth Mode

Internal max. frequency:2.5GHz (Measurement frequency up to 12.5GHz)

Test Result : ■ Passed □ Failed

Form EMC-RE-4b(4.2021)

Radiated Disturbance (Electric Field) Measurements



USB Mode



Above 1GHz

Form EMC-RE-5(4.2021)

Radiated Disturbance (Electric Field) Measurements

Test arrangement of RE.



Meas. Value = Meter + (Corr.Factor) Corr.Factor = CL. + PreAMP. Gain + ANTENNA Factor

The EUT was arranged in a typical equipment configuration and operated through all of its various modes.

The interconnecting cables of the EUT and supporting equipment were manipulated such as to obtain maximum levels of radiated emissions within the range of likely configurations.

Radiated emissions measurements were performed to identify the frequencies that produced the highest emissions.

The EUT, supporting equipment and cable locations were noted and reconfigured at the SAC. The highest radiated emission was then re-maximized at this location before final radiated emissions measurements were performed.

Final data was taken with the EUT located at the SAC at a distance of 3 or 10 meters between the EUT and the receiving antenna.

The frequency spectrum was searched for radiated emissions.

Measured emission levels were maximized by EUT placement on the table, changing cable location, rotating the turntable through 360 degrees, varying the antenna height between 1m and 4m above the ground plane and changing antenna polarization between horizontal and vertical. Antennas used were Broadband Biconical antenna from 30MHz to 300MHz, Log periodic antenna from 300MHz to 1000MHz, DRG-horn antennas form above 1GHz.

For the measurement above 1GHz: following were taken placed.

- RF absorber was placed on the ground plane as shown in the photo.
- The antenna was kept aimed at the center of EUT, while the antenna height was changed.

--- End of the test report ---