

TEST REPORT



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Report No.:
CTK-2017-00832
Page (1) / (45) Pages

1. Client

- Name : Sony Corporation
- Address : 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan
- Date of Receipt : 2017-04-07

2. Manufacturer

- Name : Sony Corporation
- Address : 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan

3. Use of Report : For Verification Report, IC Report

4. Test Sample / Model: Wireless Stereo Headset / WI-C400

5. Date of Test : 2017-04-17 to 2017-04-30

6. FCC ID : AK8WIC400

7. Certification Number IC : 409B-WIC400

8. Test Standard(method) used : FCC Part 15 Subpart B & ICES-003, Issue 6

9. Testing Environment: refer to 11 pages to 25 pages

10. Test Results : refer to 12 pages to 25 pages

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.

Affirmation	Tested by	Approved by
	Yu Hanho: (Signature) EMC Test Engineer	Lee Eunwon: (Signature) Technical Manager

2017-05-08

Republic of KOREA **CTK Co., Ltd.**

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REPORT REVISION HISTORY

Date	Revision	Page No
2017-05-08	Issued (CTK-2017-00832)	All

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1.0 General Product Description

No.	ITEM		APPLICATION	
1	Test Sample		Wireless Stereo Headset	
2	Model		WI-C400	
3	Variant Model		-	
4	Dimensions (W x L x H)		160.95 mm × 171.65 mm × 14.30 mm	
5	Mobility		☒ Table-top ☐ Floor-standing ☐ Built-in ☐ Portable	
6	Maximum Clock Frequency		BT 2.4 GHz	
7	Electrical Ratings	EUT	Input:	DC 3.7 V(Battery), DC 5 V(USB)
			Output:	-
		AC Adapter	Input:	AC 100 V - AC 240 V, 50 Hz / 60 Hz, 0.2 A, 11 W
			Output:	DC 5 V, 1.5 A
		Notebook	Input:	AC 100 V - AC 240 V, 50 Hz - 60 Hz, 1.5 A
			Output:	DC 5 V
8	Test Voltage / Frequency		Voltage:	AC 120 V
			Frequency:	60 Hz

1.1 Model Differences

Not applicable

1.2 Device Modifications

The following modifications were necessary for compliance:

Not applicable

1.3 EUT Configuration(s)

See Appendix A for individual test set-up configuration(s). The following peripheral devices and/or interface cables were connected during the measurement:

☒ Peripheral Devices

[AC Adapter Charging]

Device	Model No.	Serial No.	Manufacturer
AC Adapter	AC-UD20	-	Sony Corporation

[Notebook Charging]

Device	Model No.	Serial No.	Manufacturer
Notebook	TPN-C125	-	HP
AC Adapter	HSTNN-DA40	-	DELTA ELECTRONICS(JIANGSU)LTD.

[NFC Communication]

Device	Model No.	Serial No.	Manufacturer
Notebook	TPN-C125	-	HP
AC Adapter	HSTNN-DA40	-	DELTA ELECTRONICS(JIANGSU)LTD.
CONTACTLESS IC CARD READER/WRTITER	RC-S330	-	Sony Corporation

☒ Cable Description

[AC Adapter Charging]

No.	From		To		Type of Cable		
	Device	I/O Port	Device	I/O Port	Length (m)	Shielded or Unshielded	Ferrite Core [Y/N]
1	EUT	DC IN	AC Adapter	DC OUT	0.3	S	N
2	AC Adapter	AC Power	AC Mains	-	-	-	-

[Notebook Charging]

No.	From		To		Type of Cable		
	Device	I/O Port	Device	I/O Port	Length (m)	Shielded or Unshielded	Ferrite Core [Y/N]
1	EUT	USB	Notebook	USB	0.3	S	N
2	Notebook	DC IN	AC Adapter	DC OUT	1.2	U	Y
3	AC Adapter	AC Power	AC Mains	-	1.8	U	N

[NFC Communication]

No.	From		To		Type of Cable		
	Device	I/O Port	Device	I/O Port	Length (m)	Shielded or Unshielded	Ferrite Core [Y/N]
1	EUT	NFC Communication	CONTACTLESS IC CARD READER/WRTITER	NFC Communication	-	-	-
2	Notebook	USB	CONTACTLESS IC CARD READER/WRTITER	USB	1.0	S	Y
3		DC IN	AC Adapter	DC OUT	1.2	U	Y
4	AC Adapter	AC Power	AC Mains	-	1.8	U	N

* Shielded or Unshielded : Unshielded=U, Shielded=S

1.4 Test Software

- ☐ EMC Test V 1.0
- ☐ Display Test Patterns – V1.5
- ☐ Ping.exe
- ☒ NFC test program
- ☐ Not applicable

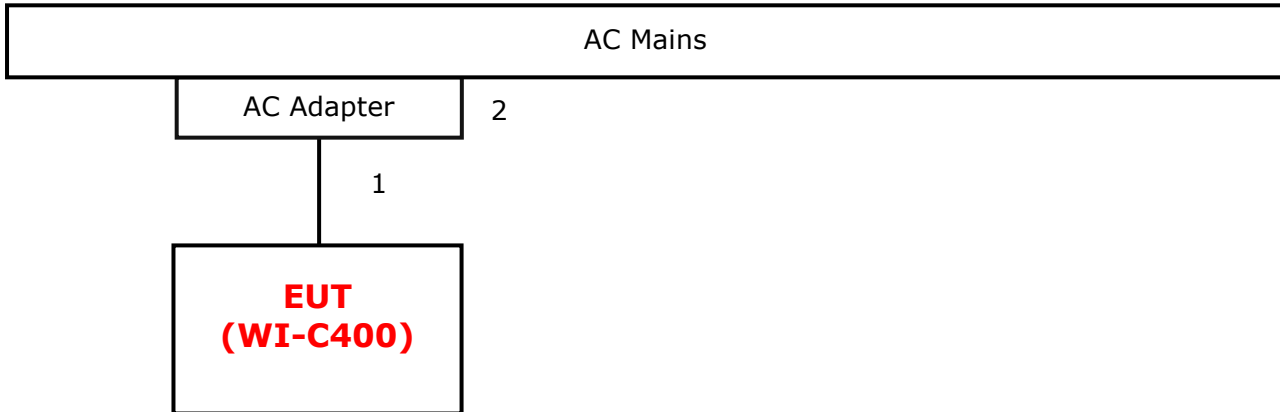
1.5 EUT Operating Mode(s)

Equipment under test was operated during the measurement under the following condition s:

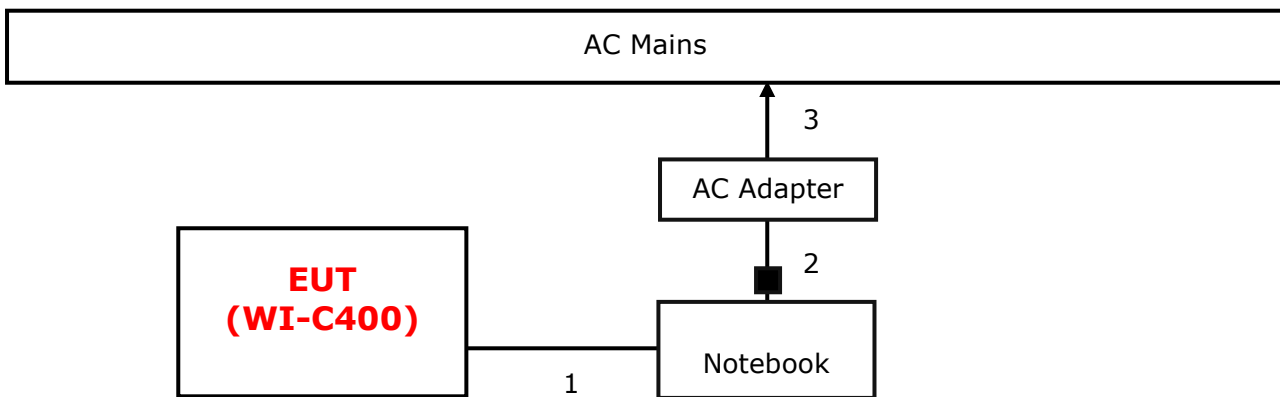
- ☒ NFC Communication
- ☒ Notebook Charging
- ☒ Adapter Charging

1.6 Configuration

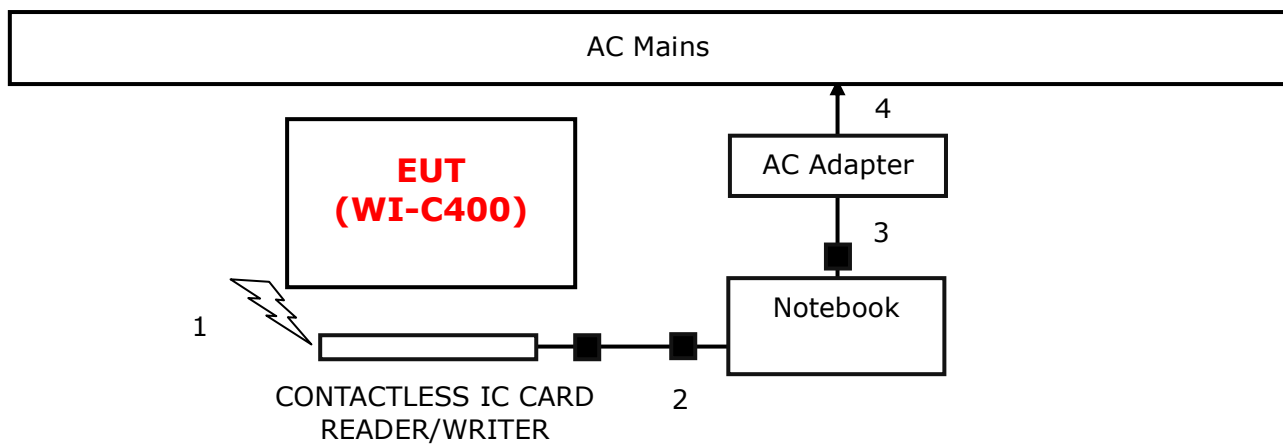
[AC Adapter Charging]



[Notebook Charging]



[NFC Communication]



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1.7 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less. All test equipment calibrations are traceable to the Korea Research Institute of Standards and Science (KRISS), therefore, all test data recorded in this report is traceable to KRISS.

1.8 Test Facility

The measurement facility is located at (Ho-dong) 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

1.9 Measurement Procedure

Preliminary AC power line conducted emissions tests were performed shielded room. To find worst mode, several typical mode and typical cable position were tested.

Final AC power line conducted emissions test was performed shielded room. (location is same as Preliminary test)

Based on the preliminary tests of the EUT, final test was proceeded worst case test mode and cable configuration.

Preliminary radiated emissions test were performed Semi-Anechoic Chamber or anechoic chamber (Distance of antenna and EUT was 3 m). To find worst mode, several typical mode and typical cable position were tested and peak level and frequency were recorded.

Final radiated emissions test was performed Semi-Anechoic Chamber.

Based on the preliminary tests of the EUT, final test was proceeded worst case test mode and cable configuration.

* Measurement procedures was In accordance with ANSI C63.4-2014 7.3.3, 7.3.4, 8.3.1.1, 8.3.1.2, 8.3.2.1, 8.3.2.2

Note #1: These results are deemed satisfactory evidence of compliance with ICES-003 of the Canadian Interference-Causing Equipment Regulations.

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1.10 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Registration Number	Logo
USA	FCC	FCC Part 15 & 18 EMI (Electromagnetic Interference / Emission)	805871	
JAPAN	VCCI	VCCI V-3 EMI (Electromagnetic Interference / Emission)	C-986 T-1843 R-3627 G-387	
KOREA	MSIP	EMI (Electromagnetic Interference / Emission) EMS (Electromagnetic Susceptibility / Immunity)	KR0025	
CANADA	IC	ICES-003, Issue 6 EMI (Electromagnetic Interference / Emission)	8737A-2	

1.11 Measurement Uncertainty

Compliance of the product is based on the measured value.

However, the measurement uncertainty is included for information purposes.

The measurement uncertainties given below are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Measurement Type	Frequency Range	Expanded Uncertainty
Conducted Emission of Mains Ports	150 kHz to 30 MHz	2.62 dB (C.L.: Approx. 95 %, $k=2$)
Radiated Emission	30 MHz to 1 000 MHz	4.54 dB (C.L.: Approx. 95 %, $k=2$)
Radiated Emission	1 GHz Above	4.98 dB (C.L.: Approx. 95 %, $k=2$)

2.0 EMC Test Regulations/Standards

The tests were performed according to following regulations:

Applied standard	Title	Applied	Test Result
FCC Part 15 Subpart B ☐ Class A ☒ Class B	Conducted Voltage Emissions	☒	☒ MET ☐ NOT MET
	Radiated Electric Field Emissions	☒	☒ MET ☐ NOT MET

3.0 Results of Individual Test

3.1 Conducted Voltage Emissions of Mains ports

Test Date

2017-04-17

Test Location

Shielded Room

Test Equipment

Name of Equipment	Model No.	Manufacturer	Serial No.	Due Date	Applied
EMI Test Receiver	ESCI3	Rohde & Schwarz	100032	2018-02-02	☐
LISN	ENV216	Rohde & Schwarz	101235	2017-05-14	☐
LISN	ENV216	Rohde & Schwarz	101236	2017-05-14	☐
EMI Test Receiver	ESR7	Rohde & Schwarz	101088	2017-05-14	☐
LISN	ENV216	Rohde & Schwarz	101151	2017-11-01	☐
LISN	ESH3-Z5	Rohde & Schwarz	100207	2017-11-01	☐
EMI Test Receiver	ESCI7	Rohde & Schwarz	100816	2017-10-31	☒
LISN	ENV216	Rohde & Schwarz	101760	2018-02-03	☒
LISN	NNLK 8121	SCHWARZBECK	8121-644	2017-05-14	☐
Pulse Limiter	VTSD 9561-F	SCHWARZBECK	9561-F064	2017-05-13	☐
LISN	ENV216	Rohde & Schwarz	101150	2018-02-03	☐

Test Software

ESCI7, ESCI3 : EMC32 Ver. 8.50.0

ESR7 : EMC32 Ver. 8.53.0

Frequency Range of Measurement

150 kHz to 30 MHz

Instrument Setting

IF Band Width: 9 kHz

Climate Condition

Temperature: (21 ± 1) °C

Relative Humidity: (41 ± 1) %

Atmospheric Pressure: 98 kPa



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Test Result

The requirements are: ☒ MET ☐ NOT MET

Tested Mode	Frequency (MHz)	Measured Data (dBμV)	Margin (dB)	Remark
AC Adapter Charging	0.204 000	42.3	21.1	Quasi-Peak
Notebook Charging	0.150 000	57.6	8.4	Quasi-Peak

The Result is calculated by using the following formula;

* Result = Limit – Margin (Result included the correction factor)

* Correction factor = Cable Loss + Insertion loss of LISN

Test Data

[AC Adapter Charging]
[Line: L1]

Test

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Test Report

Common Information

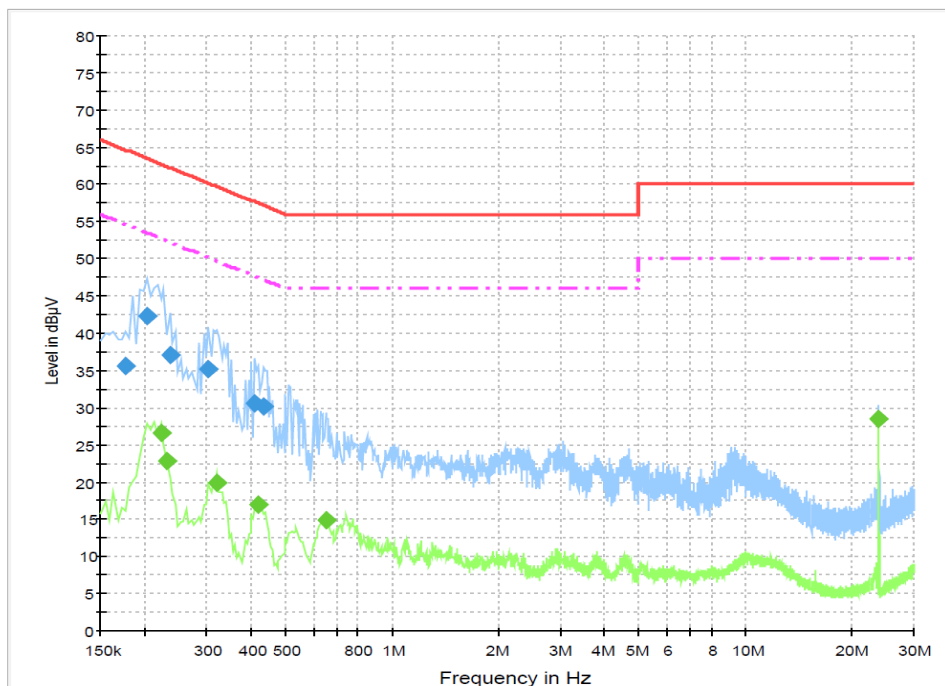
Test Model Name: WI-C400
Test Mode: Adapter Charging
Manufacturer: Sony Corporation
Tester: YU HAN HO

Hardware Setup: EMI conducted Voltage with ENV216_FO(101760) - [EMI conducted]

Subrange 1
Frequency Range: 150 kHz - 30 MHz

Receiver: ESCI 7 [ESCI 7]
@ GPIB0 (ADR 23), SN 100816/007, FW 4.42
Signal Path: ESCI 7-ENV216 FO(101760)
Correction Table: 3-2 CE Cable Loss
LISN: ENV216 FO(101760)
Correction Table (Line 0): ENV216_FO_N(101760)
Correction Table (Line 1): ENV216_FO_L1(101760)

Class B_L1



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10:57:25

Test

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Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.177000	35.7	1000.0	9.000	On	L1	9.8	28.9	64.6
0.204000	42.3	1000.0	9.000	On	L1	9.9	21.1	63.4
0.235500	37.1	1000.0	9.000	On	L1	9.7	25.2	62.3
0.303000	35.2	1000.0	9.000	On	L1	9.7	24.9	60.2
0.411000	30.6	1000.0	9.000	On	L1	9.9	27.0	57.6
0.433500	30.1	1000.0	9.000	On	L1	9.9	27.1	57.2

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.222000	26.5	1000.0	9.000	On	L1	9.8	26.2	52.7
0.231000	22.7	1000.0	9.000	On	L1	9.7	29.7	52.4
0.321000	20.0	1000.0	9.000	On	L1	9.8	29.7	49.7
0.420000	16.9	1000.0	9.000	On	L1	9.9	30.6	47.4
0.654000	15.0	1000.0	9.000	On	L1	9.9	31.0	46.0
23.860500	28.4	1000.0	9.000	On	L1	10.0	21.6	50.0

4/17/2017

10:57:25

[Line : Neutral]

Test

1 / 2

Test Report

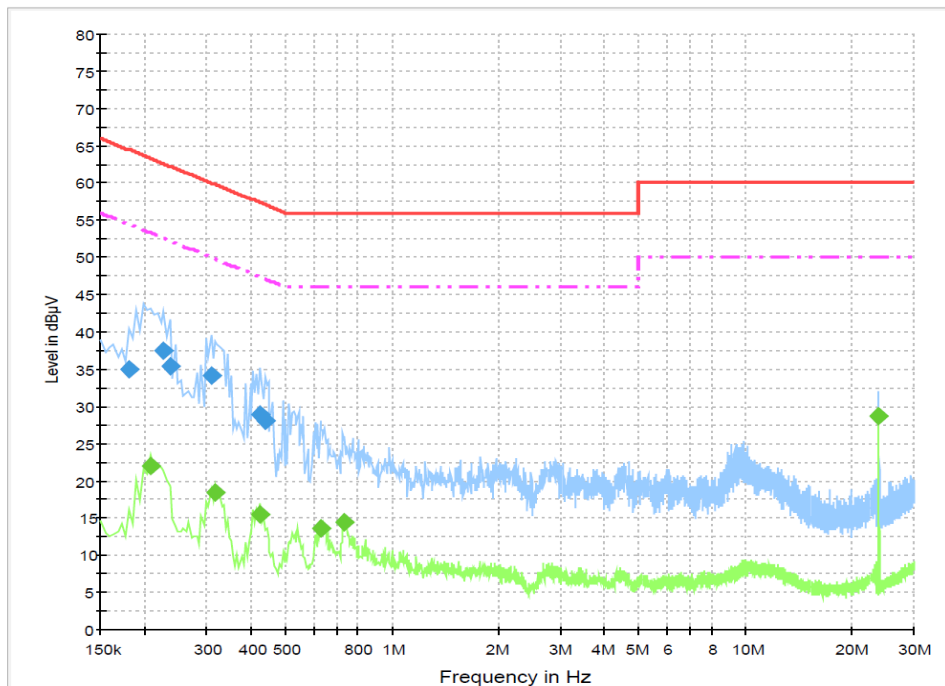
Common Information

Test Model Name: WI-C400
Test Mode: Adapter Charging
Manufacturer: Sony Corporation
Tester: YU HAN HO

Hardware Setup: EMI conducted Voltage with ENV216_FO(101760) - [EMI conducted]

Subrange 1
Frequency Range: 150 kHz - 30 MHz
Receiver: ESCI 7 [ESCI 7]
@ GPIB0 (ADR 23), SN 100816/007, FW 4.42
Signal Path: ESCI 7-ENV216 FO(101760)
Correction Table: 3-2 CE Cable Loss
LISN: ENV216 FO(101760)
Correction Table (Line 0): ENV216_FO_N(101760)
Correction Table (Line 1): ENV216_FO_L1(101760)

Class B_N



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Test

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Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.181500	35.1	1000.0	9.000	On	N	9.9	29.4	64.4
0.226500	37.5	1000.0	9.000	On	N	9.8	25.1	62.6
0.235500	35.3	1000.0	9.000	On	N	9.7	27.0	62.3
0.307500	34.1	1000.0	9.000	On	N	9.7	26.0	60.0
0.424500	29.0	1000.0	9.000	On	N	9.9	28.4	57.4
0.438000	28.0	1000.0	9.000	On	N	9.9	29.1	57.1

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.208500	22.1	1000.0	9.000	On	N	9.9	31.2	53.3
0.316500	18.5	1000.0	9.000	On	N	9.8	31.3	49.8
0.424500	15.4	1000.0	9.000	On	N	9.9	31.9	47.4
0.627000	13.6	1000.0	9.000	On	N	9.9	32.4	46.0
0.735000	14.5	1000.0	9.000	On	N	9.8	31.5	46.0
23.860500	28.7	1000.0	9.000	On	N	10.1	21.3	50.0

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11:04:26

[Notebook Charging]
[Line: L1]

Test

1 / 2

Test Report

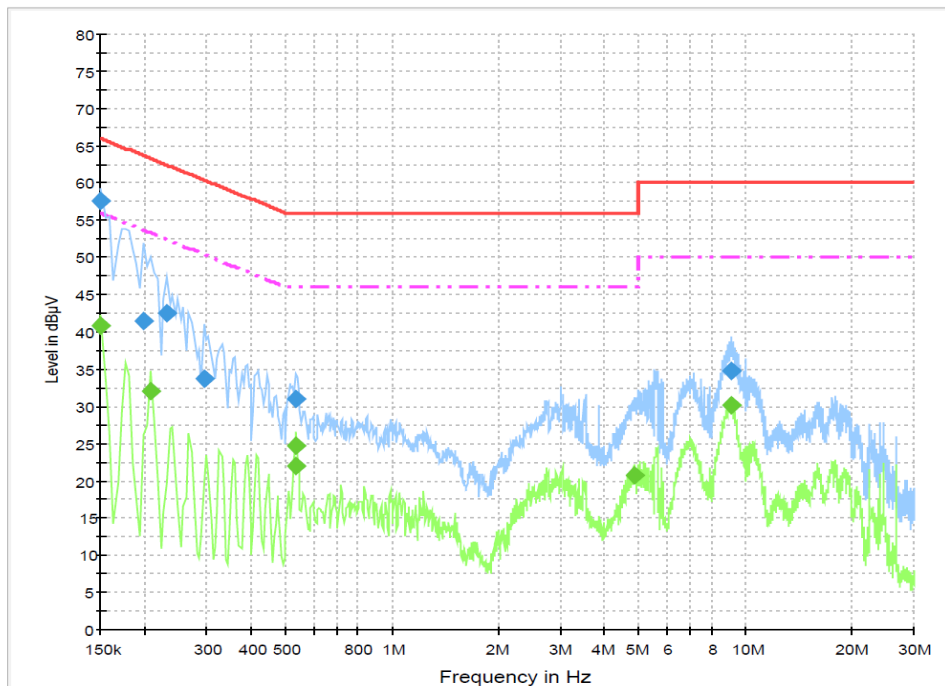
Common Information

Test Model Name: WI-C400
Test Mode: Notebook Charging
Manufacturer: Sony Corporation
Tester: YU HAN HO

Hardware Setup: EMI conducted Voltage with ENV216_FO(101760) - [EMI conducted]

Subrange 1
Frequency Range: 150 kHz - 30 MHz
Receiver: ESCI 7 [ESCI 7]
@ GPIB0 (ADR 23), SN 100816/007, FW 4.42
Signal Path: ESCI 7-ENV216 FO(101760)
Correction Table: 3-2 CE Cable Loss
LISN: ENV216 FO(101760)
Correction Table (Line 0): ENV216_FO_N(101760)
Correction Table (Line 1): ENV216_FO_L1(101760)

Class B_L1



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Test

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Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	57.6	1000.0	9.000	On	L1	9.7	8.4	66.0
0.199500	41.4	1000.0	9.000	On	L1	9.9	22.2	63.6
0.231000	42.5	1000.0	9.000	On	L1	9.7	20.0	62.4
0.294000	33.6	1000.0	9.000	On	L1	9.7	26.8	60.4
0.532500	30.9	1000.0	9.000	On	L1	9.9	25.1	56.0
9.078000	34.9	1000.0	9.000	On	L1	9.9	25.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	40.9	1000.0	9.000	On	L1	9.7	15.1	56.0
0.208500	32.1	1000.0	9.000	On	L1	9.9	21.2	53.3
0.532500	22.0	1000.0	9.000	On	L1	9.9	24.0	46.0
0.537000	24.7	1000.0	9.000	On	L1	9.9	21.3	46.0
4.875000	20.7	1000.0	9.000	On	L1	9.8	25.3	46.0
9.132000	30.1	1000.0	9.000	On	L1	9.9	19.9	50.0

4/17/2017

11:50:24

[Line : Neutral]

Test

1 / 2

Test Report

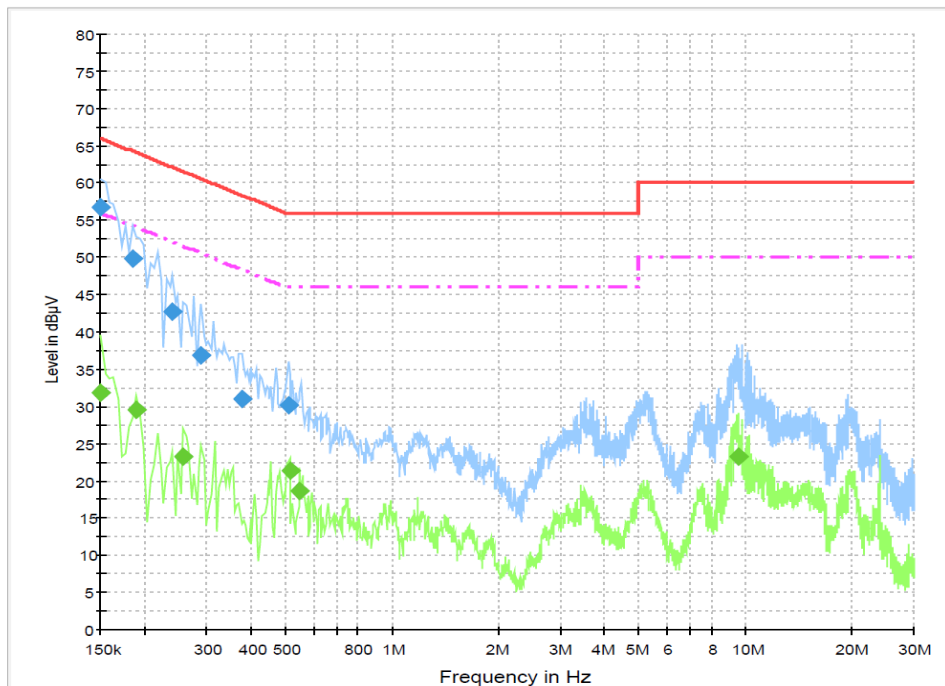
Common Information

Test Model Name: WI-C400
Test Mode: Notebook Charging
Manufacturer: Sony Corporation
Tester: YU HAN HO

Hardware Setup: EMI conducted Voltage with ENV216_FO(101760) - [EMI conducted]

Subrange 1
Frequency Range: 150 kHz - 30 MHz
Receiver: ESCI 7 [ESCI 7]
@ GPIB0 (ADR 23), SN 100816/007, FW 4.42
Signal Path: ESCI 7-ENV216 FO(101760)
Correction Table: 3-2 CE Cable Loss
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Class B_N



4/17/2017

12:07:26



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Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	56.7	1000.0	9.000	On	N	9.8	9.3	66.0
0.186000	49.9	1000.0	9.000	On	N	9.9	14.3	64.2
0.240000	42.8	1000.0	9.000	On	N	9.7	19.3	62.1
0.289500	36.9	1000.0	9.000	On	N	9.7	23.7	60.5
0.375000	31.1	1000.0	9.000	On	N	9.9	27.3	58.4
0.510000	30.1	1000.0	9.000	On	N	9.9	25.9	56.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	31.9	1000.0	9.000	On	N	9.8	24.1	56.0
0.190500	29.5	1000.0	9.000	On	N	9.9	24.5	54.0
0.258000	23.3	1000.0	9.000	On	N	9.6	28.2	51.5
0.514500	21.4	1000.0	9.000	On	N	9.9	24.6	46.0
0.550500	18.7	1000.0	9.000	On	N	9.9	27.3	46.0
9.586500	23.1	1000.0	9.000	On	N	9.9	26.9	50.0

4/17/2017

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3.2 Radiated Electric Field Emissions (Below 1 GHz)

Test Date

2017-04-30

Test Location

10 m SAC (test distance : ☐ 10 m, ☒ 3 m)

Test Equipment

Name of Equipment	Model No.	Manufacturer	Serial No.	Due Date	Applied
EMI Test Receiver	ESCI7	Rohde & Schwarz	100814	2017-11-01	☒
Bilog Antenna	CBL6111C	Schaffner	2551	2017-04-24	☒
6dB Attenuator	DNF	Rohde & Schwarz	272.4110.50-2	2017-11-01	☒
Amplifier	310	Sonoma Instrument Co.	291721	2018-02-02	☒

Test Software

TOYO EMI software Ver. 5.1.0

Frequency Range of Measurement

30 MHz to 1 GHz

Instrument Setting

IF Band Width: 120 kHz

Climate Condition

Temperature: (23 ± 1) °C

Relative Humidity: (44 ± 1) %

Atmospheric Pressure: 98 kPa

Test Result

The requirements are: ☒ MET ☐ NOT MET

Tested Mode	Frequency (MHz)	Measured Data (dBμV/m)	Margin (dB)	Remark
AC Adapter Charging	37.518	23.7	16.3	Quasi-peak
Notebook Charging	235.034	32.8	13.2	Quasi-peak
NFC	233.821	32.1	13.9	Quasi-peak

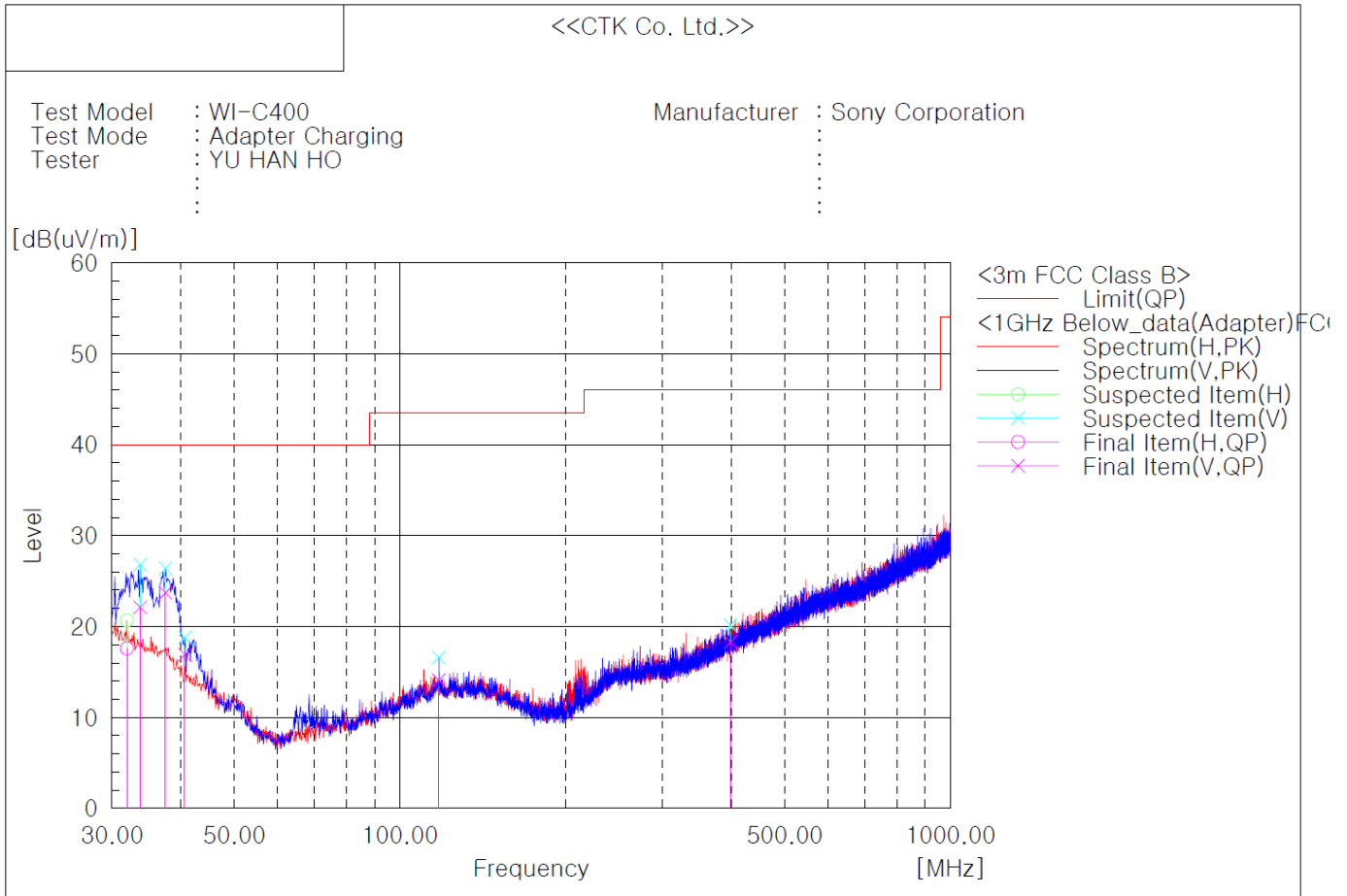
The Result is calculated by using the following formula;

* Result = Reading + Correction factor

* Correction factor = Antenna Factor + Cable Loss + 6 dB attenuator – Amp Gain

Test Data

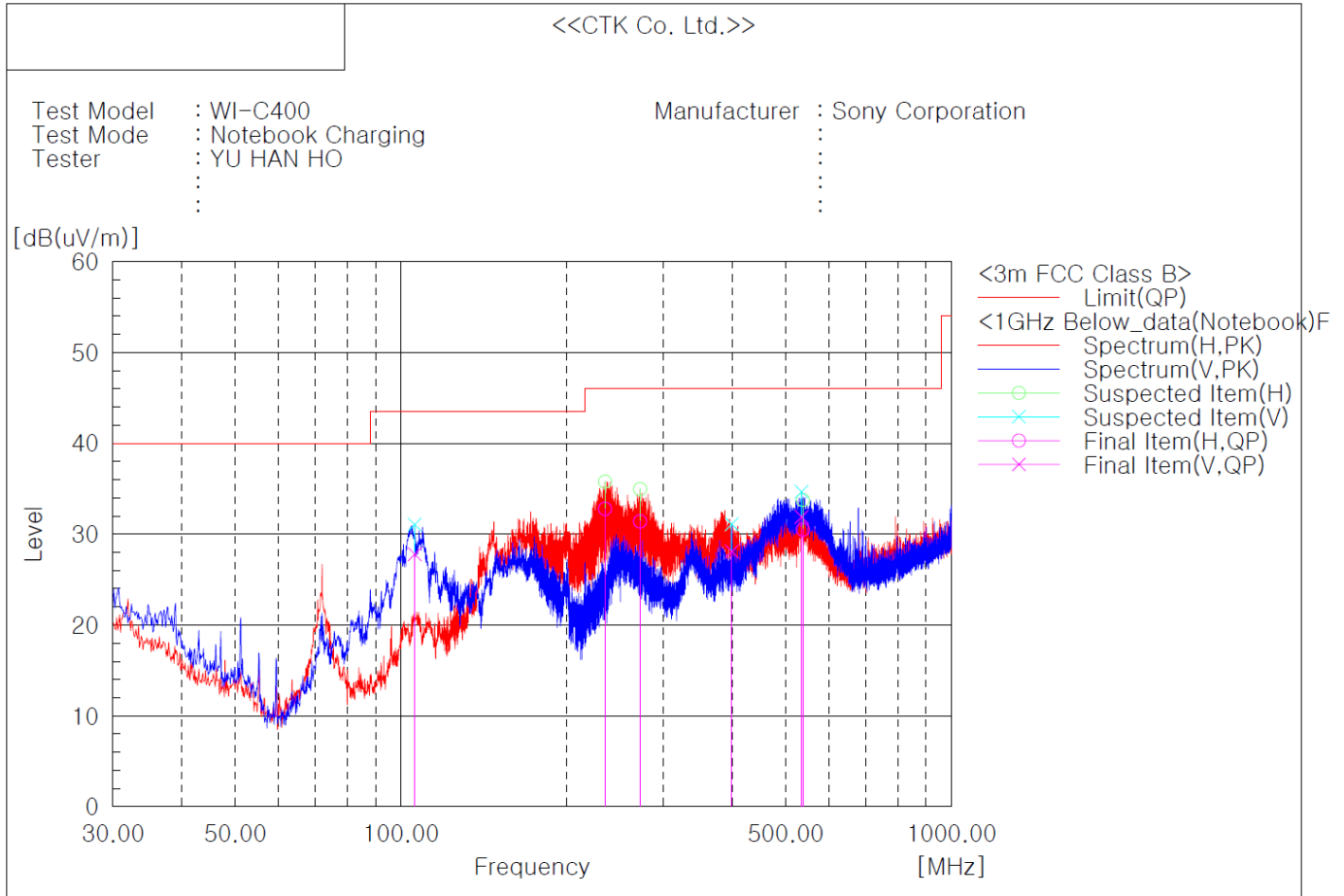
[AC Adapter Charging]



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	31.940	H	24.7	-7.1	17.6	40.0	22.4	200.0	34.0
2	33.759	V	29.9	-7.8	22.1	40.0	17.9	100.0	322.0
3	37.518	V	33.1	-9.4	23.7	40.0	16.3	100.0	322.0
4	40.670	V	28.0	-11.1	16.9	40.0	23.1	100.0	322.0
5	117.664	V	26.2	-12.1	14.1	43.5	29.4	301.0	269.0
6	398.600	V	24.0	-5.7	18.3	46.0	27.7	100.0	295.0

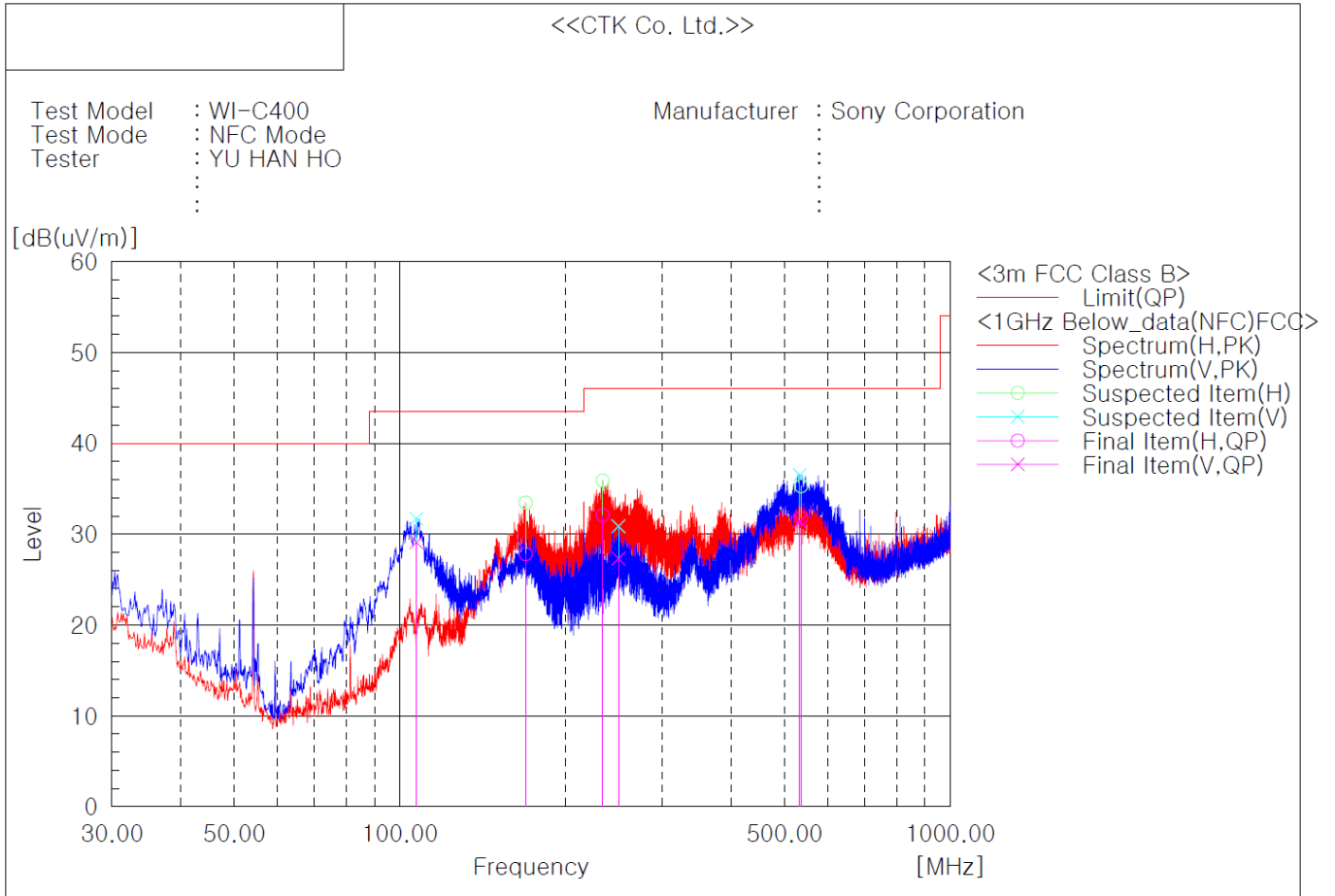
[Notebook Charging]



Final Result

No.	Frequency	(P)	Reading	c.f	Result	Limit	Margin	Height	Angle
	[MHz]		QP		QP	QP	QP		
			[dB(uV)]	[dB(1/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB]	[cm]	[deg]
1	106.024	V	40.9	-13.1	27.8	43.5	15.7	101.0	221.0
2	235.034	H	43.5	-10.7	32.8	46.0	13.2	101.0	216.0
3	272.136	H	40.9	-9.5	31.4	46.0	14.6	101.0	216.0
4	399.206	V	33.8	-5.7	28.1	46.0	17.9	101.0	274.0
5	534.521	V	34.0	-2.1	31.9	46.0	14.1	200.0	3.0
6	537.674	H	32.5	-2.0	30.5	46.0	15.5	200.0	91.0

[NFC]



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	107.236	V	42.1	-13.0	29.1	43.5	14.4	100.0	3.0
2	169.438	H	41.5	-13.7	27.8	43.5	15.7	200.0	269.0
3	233.821	H	43.0	-10.9	32.1	46.0	13.9	100.0	274.0
4	249.584	V	37.1	-9.8	27.3	46.0	18.7	200.0	38.0
5	533.066	V	33.6	-2.2	31.4	46.0	14.6	200.0	38.0
6	536.219	H	33.9	-2.1	31.8	46.0	14.2	200.0	60.0

3.3 Radiated Electric Field Emissions (Above 1 GHz)

Test Date

2017-04-30

Test Location

3 m SAC

Test Equipment

Name of Equipment	Model No.	Manufacturer	Serial No.	Due Date	Applied
EMI Test Receiver	ESU40	Rohde & Schwarz	100336	2017-05-14	☒
Double Ridged Guide Antenna	3117	ETS-Lindgren	00154525	2017-09-02	☒
Preamplifier	8449B	Agilent Technologies	3008A02011	2017-12-01	☒

Test Software

TOYO EMI software Ver. 5.1.0

Frequency Range of Measurement

1 GHz to 13 GHz

Instrument Setting

IF Band Width: 1 MHz

Climate Condition

Temperature: (23 ± 1) °C

Relative Humidity: (44 ± 1) %

Atmospheric Pressure: 98 kPa

Test Result

The requirements are: ☒ MET ☐ NOT MET

Tested Mode	Frequency (MHz)	Measured Data (dBμV/m)	Margin (dB)	Remark
AC Adapter Charging	3 599.680	31.8	22.2	Quasi-peak
Notebook Charging	2 684.800	31.5	22.5	Quasi-peak
NFC	3 555.040	28.2	25.8	Quasi-peak

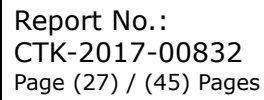
The Result is calculated by using the following formula;

* Result = Reading + Correction factor

* Correction factor = Antenna Factor + Cable Loss– Amp Gain

* Antenna factor does not apply to spectrum mode, only final result is applied.

No emission were detected at above 8 GHz



CV 17.04

[NFC]

<<CTK Co. Ltd.>>

Model Name : WI-C400

Manufacturer : Sony Corporation

Mode : NFC Mode

:
:
:

Model Type :

:
:
:
:
:

[dB (μV/m)]

Level

<FCC B GHz 3m>

— Limit (AV)

— Limit (PK)

<1GHz Above_data(NFC)FCC>

— Spectrum1 (V)

— Spectrum (H, AV)

— Spectrum (H, PK)

— Spectrum (V, AV)

— Spectrum (V, PK)

○ Suspected Item (H)

× Suspected Item (V)

○ Final Item (H, AV)

○ Final Item (H, PK)

× Final Item (V, AV)

× Final Item (V, PK)

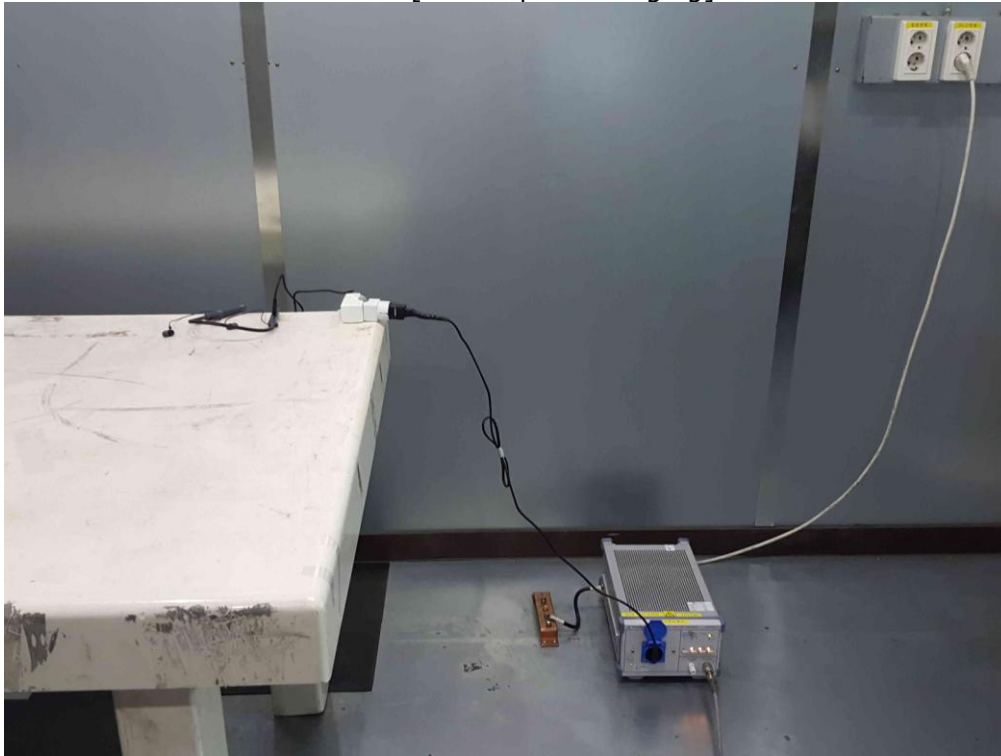
Frequency [MHz]

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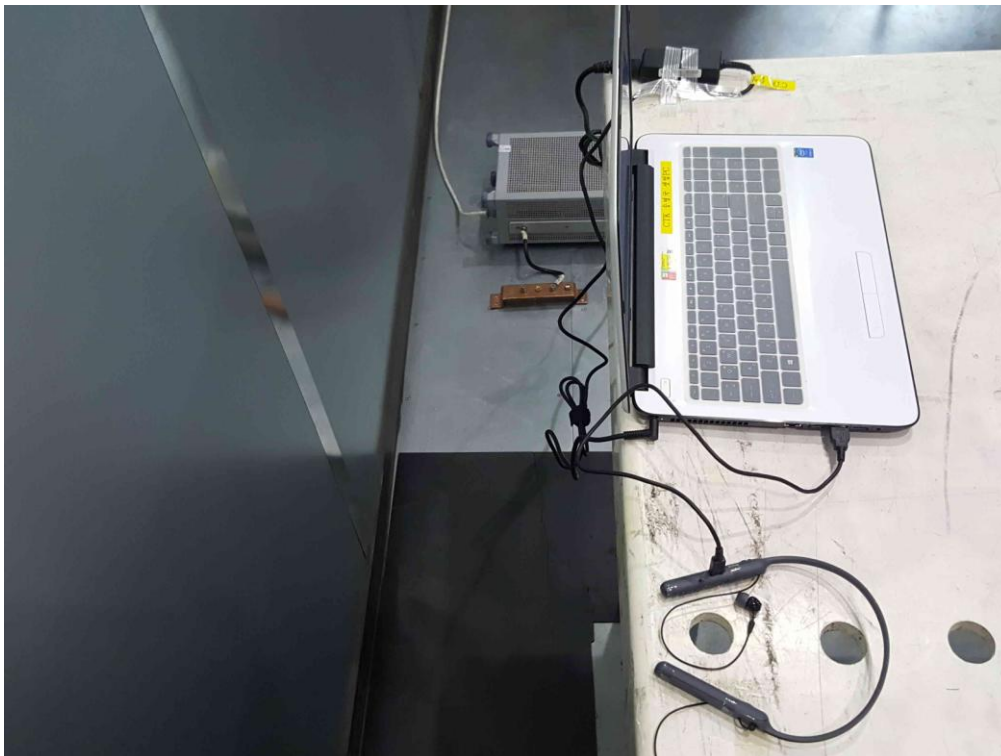
APPENDIX A - Test Setup Photos and Configuration

Conducted Voltage Emissions of Mains Ports

[AC Adapter Charging]



[Notebook Charging]

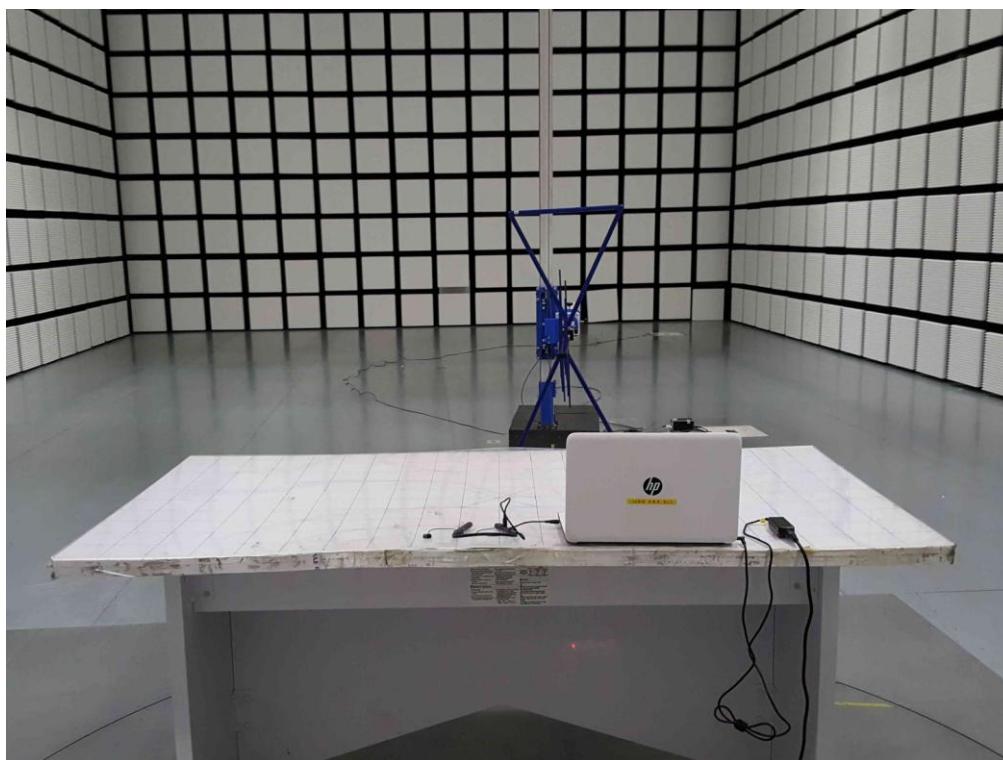


Radiated Electric Field Emissions (Below 1 GHz)

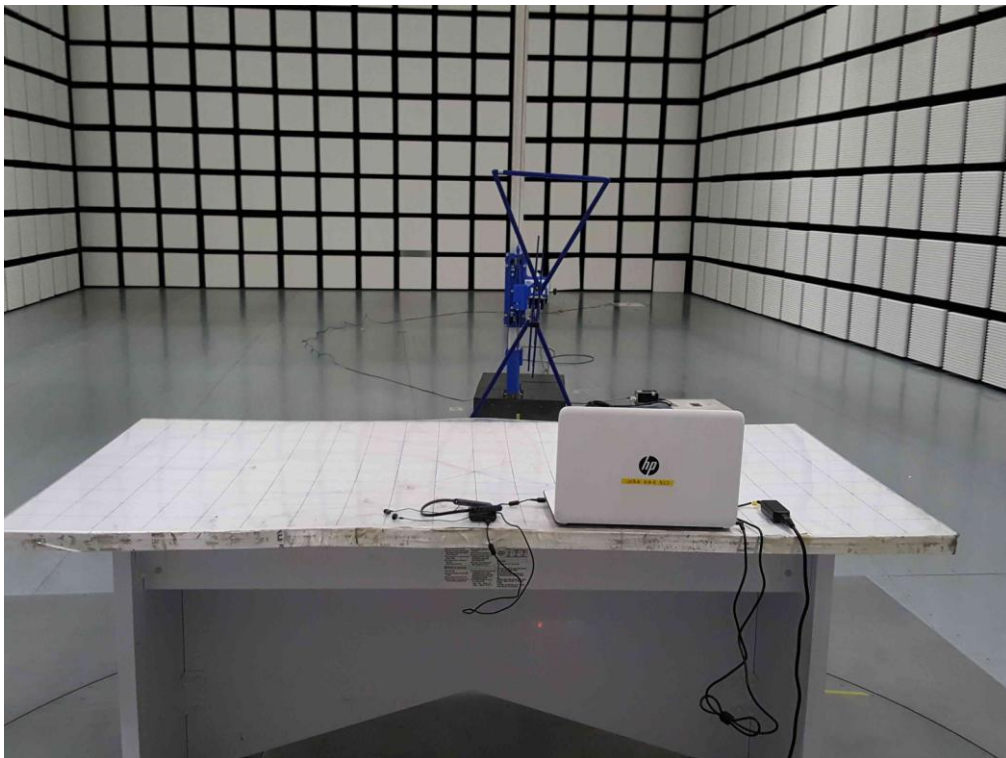
[AC Adapter Charging]



[Notebook Charging]

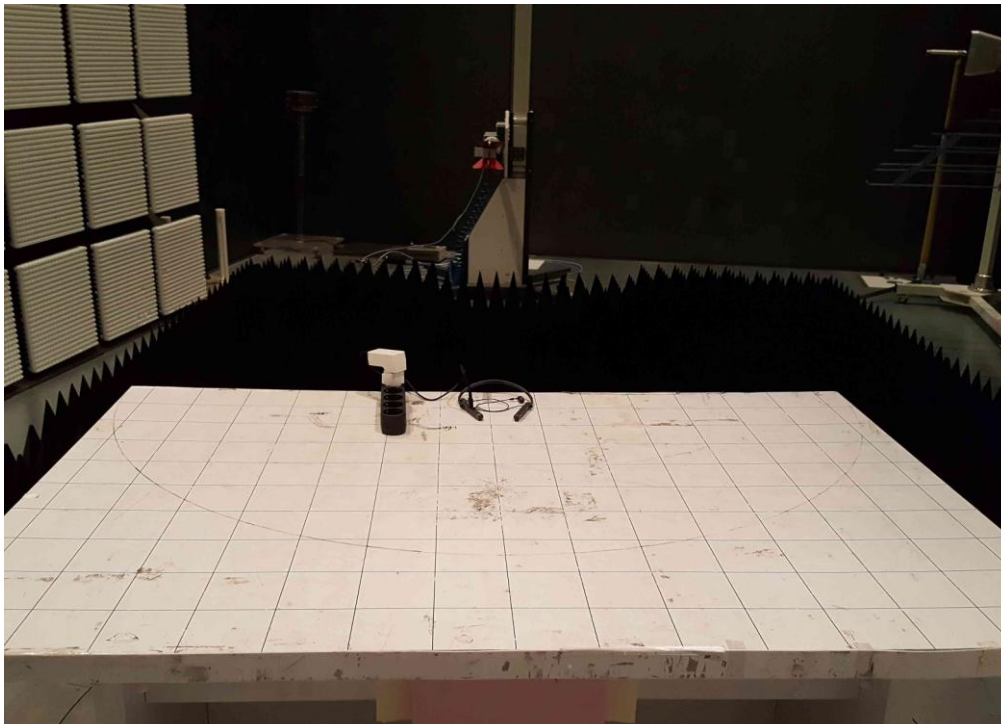


[NFC]

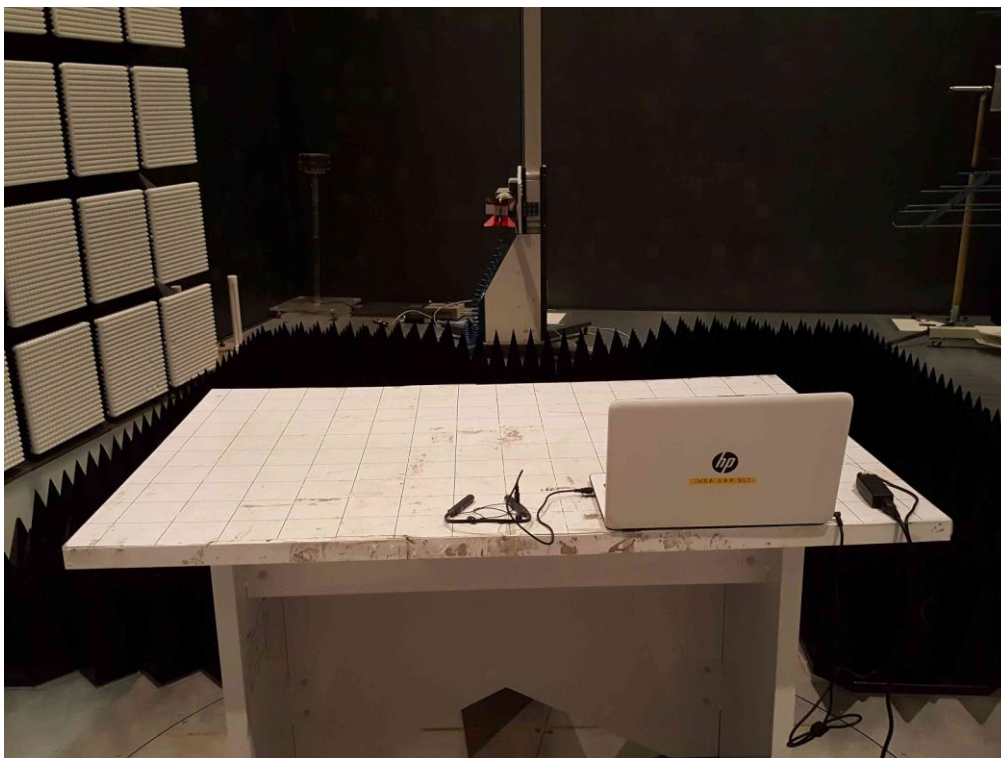
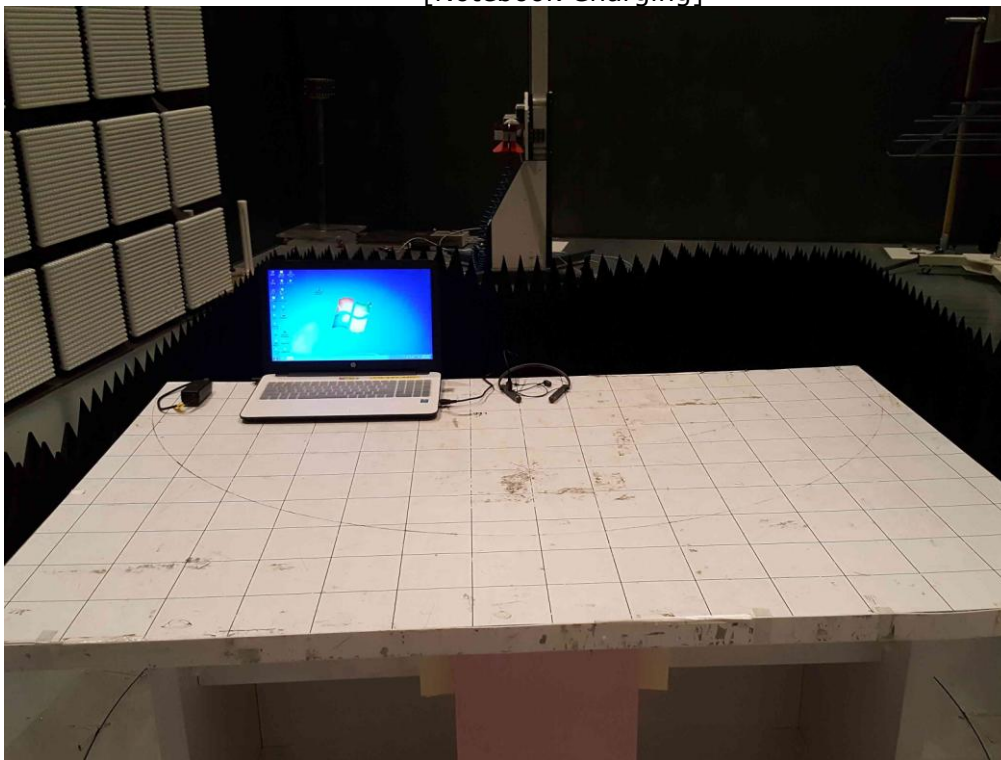


Radiated Electric Field Emissions (Above 1 GHz)

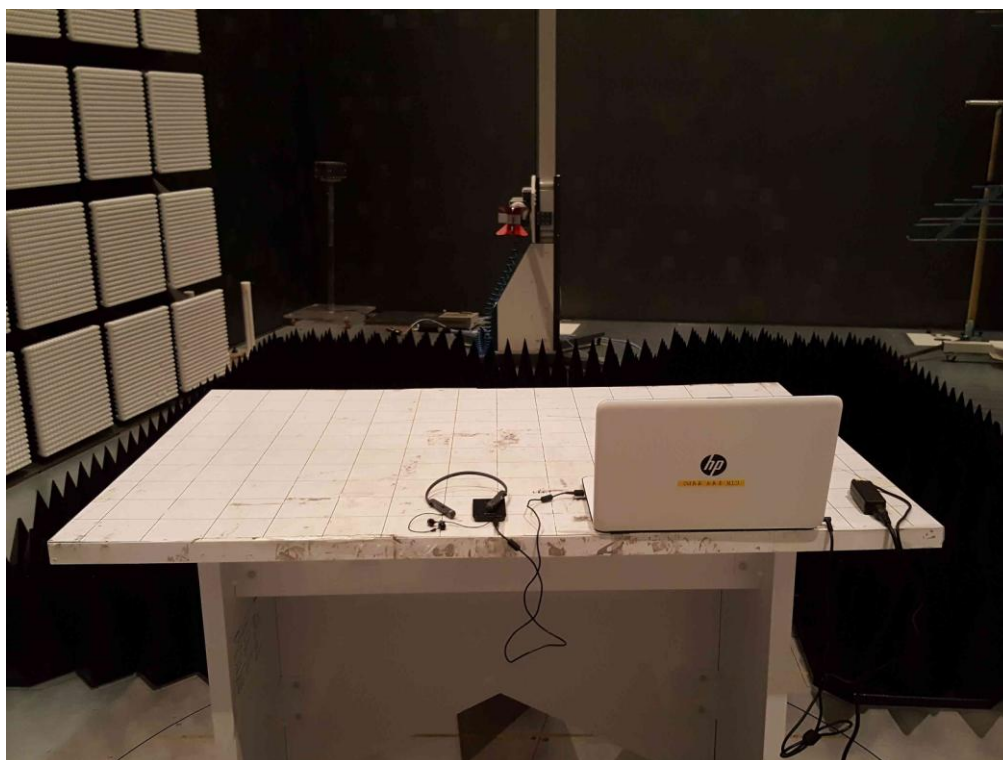
[AC Adapter Charging]



[Notebook Charging]



[NFC]



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APPENDIX B – EUT Photographs

EUT External Photographs





EUT Internal Photographs



PCB

