



KES Co., Ltd.

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Report No.:
KES-EM-21T1186-R1
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EMC TEST REPORT

Test Report No. : KES-EM-21T1186-R1
Date of Issue : Dec. 30, 2021
Product name : iSyncWave
Model/Type No. : ISW-MUS101
Variant Mode : -
Applicant : iMediSync Inc.
Applicant Address : 3F, TIPS TOWN 3, 175, Yeoksam-ro, Gangnam-gu, Seoul, 06247, Republic of Korea
Manufacturer : INNOIT Co., Ltd.
Manufacturer Address : Factory-1, 20, Centum seo-ro, Haeundae-gu, Busan, Republic of Korea
FCC ID : 2AZ4KISW-MUS101
Date of Receipt : Aug. 02, 2021
Test date : Aug. 10, 2021 ~ Aug. 11, 2021
Test Results : **In Compliance** **Not in Compliance**

Tested by

Min Seong, Kim
EMC Test Engineer

Reviewed by

Dong Hun, Jang
EMC Technical Manager

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REPORT REVISION HISTORY

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1.0 General Product Description

Main Specifications of EUT are:

Product Name	Electroencephalograph (iSyncWave)
Model Name	ISW-MKR101(Korea), ISW-MUS101(US), ISW-MEU101(Europe), ISW-MJP101(Japan)
Intended Use	Acquire electroencephalogram(EEG) and wirelessly transfer data to tablet
How to Use	Refer to manual
Type of protection against electric shock	Internally powered ME Equipment
Degree of protection against electric shock	BF applied part
Degree of harmful ingress of water	IPX0
Degree of safety in the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide	Not suitable for use
Weight	1.59kg
Number of Electrodes	19
Reference Electrode	A1
Channel Position	International 10-20 system
Battery	Rechargeable Li-ion
Rated Input Voltage	3.6 V==, 2 950 mAh (Li-ion Polymer Battery)
Sampling Rate	250Hz
Digital Signal Resolution	24 Bit
Wireless Connection	Bluetooth Low Energy (BLE) v5.0
Accuracy of signal reproduction	Within 10%
Input dynamic range	+/- 1 mV
maximum offset voltage	+/- 300 mV
Noise	4 µV peak to peak
Frequency range and bandwidth	0.5 ~50 Hz
Common mode rejection	89 dB
Description of all functions	Impedance check, Signal check, EEG recording and review
Description of waveform displays	Tablet Application (Real time display)



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1.1 Test Voltage & Frequency

Unless indicated otherwise on the individual data sheet or test results, the test voltage and frequency was as indicated below.

AC 120 V, 60 Hz Battery

1.2 Variant Model Differences

Not applicable

1.3 Device Modifications

Not applicable

1.4 Equipment Under Test

Description	Model Number	Serial Number	Manufacturer	Remarks
iSyncWave	ISW-MUS101	-	iMediSync Inc.	EUT
PPG sensor	PPG-W01	-	-	
REF electrode	REF-W01	-	-	

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
Galaxy Tab S6 Lite	SM-P610	-	Samsung Electronics	-
Travel Adapter	EP-TA20KWK	R37GCPG2YQ2S E3	Dongguan City Yingju Electronics Co., Ltd.	-

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1.6 External I/O Cabling

■ Charging Mode

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
iSyncWave (EUT)	DC IN	Travel Adapter	DC OUT	1.0	U
	PPG	PPG sensor (EUT)	-	0.2	U
	REF	REF electrode (EUT)	-	0.2	U

* Unshielded = U, Shielded = S

■ Battery_Operating Mode

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
iSyncWave (EUT)	Wireless (Bluetooth)	Galaxy Tab S6 Lite	Wireless (Bluetooth)	-	-
	PPG	PPG sensor (EUT)	-	0.2	U
	REF	REF electrode (EUT)	-	0.2	U

* Unshielded = U, Shielded = S

1.7 EUT Operating Mode(s)

Test mode	operating	Test Voltages
Charging	After connecting the adapter and EUT, check the EUT's LED to see if charging is normal.	AC 120 V, 60 Hz
Operating	After connecting the test equipment and the Galaxy Tab S6 Lite via Bluetooth, use the 'iSyncMe / iSyncWave' program to continuously operate the test equipment and check whether it operates normally.	Battery

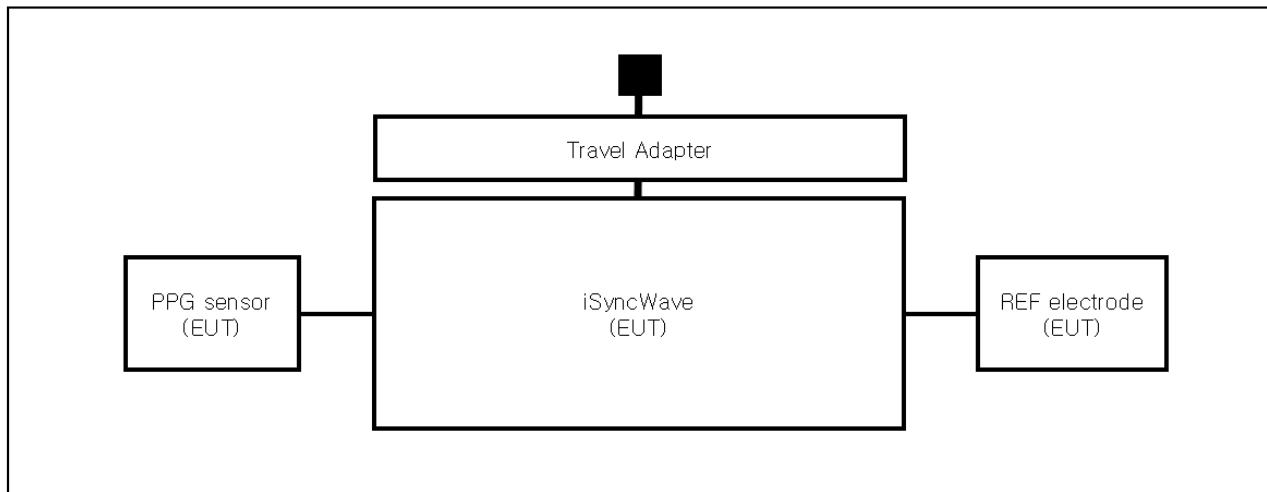
EUT Test operating S/W		
Name	Version	Manufacture Company
iSyncMe / iSyncWave	-	iMediSync Inc.

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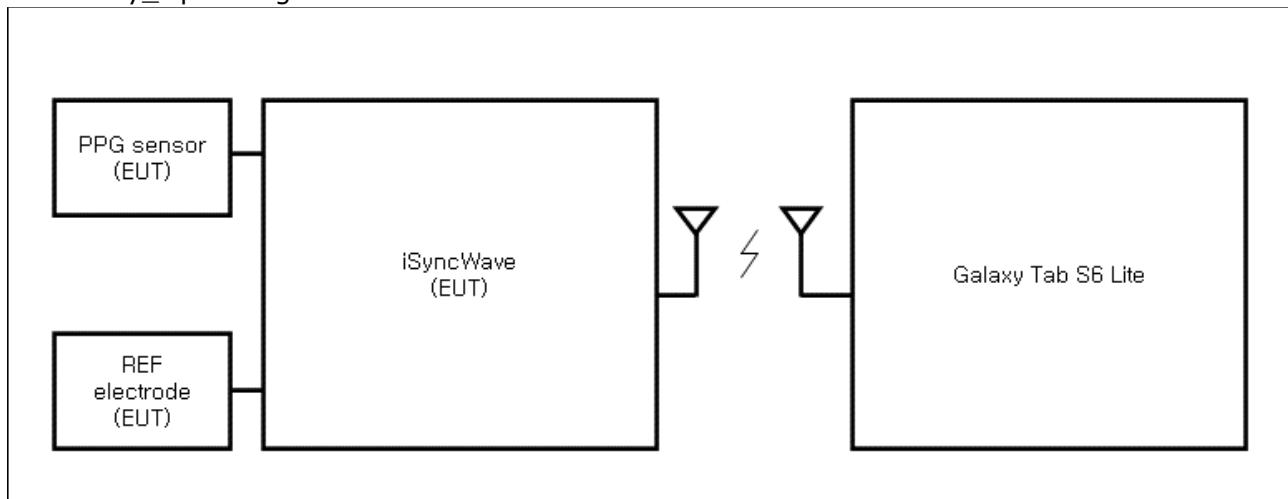
1.8 Configuration

- AC Main
- DC Main

■ Charging Mode



■ Battery_Operating Mode





1.9 Remarks when standards applied

N/A

1.10 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.

1.11 Test Facility

The measurement facility is located at 473-21 Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Korea. The sites are constructed in conformance with the requirements of ANSI C63.4:2014 and CISPR 16-1-4:2019

1.12 Measurement Procedure

- Conducted Emissions

The conducted emission levels were measured on each current-carrying line with the spectrum analyzer operating in the CISPR quasi-peak mode (or peak mode if applicable). The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. If the conducted emission exceed the average limit with the instrument set to the quasi-peak mode, the measurements are made in the average mode. The emission spectrum was scanned from 150 kHz to 30 MHz. The highest emission amplitudes relative to the appropriate limits were measured and have been recorded. Quasi-peak readings are distinguished with a "QP".

- Radiated Electric Field Emissions

The test was done at a SEMI ANECHOIC CHAMBER with quasi-peak detector. The final test data was measured using a Quasi-Peak detector below 1 GHz at 10 m or 3 m distance and a Peak and Average detector above 1 GHz at 3 m distance. Test was proceeded worst case test mode and cable configuration.

Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency.

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



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1.13 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Logo
KOREA	RRA	EMI (3 m & 10 m Semi-Aechoic Chamber ,10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KR0100
International	KOLAS	EMI (3 m & 10 m Semi-Aechoic Chamber , and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KT489
USA	FCC	3 m & 10 m Semi-Aechoic Chamber, 10 m Open Area and Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	ISED	3 m & 10 m Semi-Aechoic Chamber and Conducted test site	 23298-1
JAPAN	VCCI	Mains Ports Conducted Interference Measurement, Telecommunication Ports Conducted Disturbance Measurement and Radiation 10 meter site, Facility for measuring radiated disturbance above 1 GHz	 R-20056, C-20036 T-20040, G-20057
Europe	TÜV SÜD	EMI (3 m & 10 m Semi-Aechoic Chamber , 10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 CARAT 001633 0004

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2.0 Test Regulations

The emissions tests were performed according to following regulations:

EMC – Directive 2014/30/EU

- EN 61000-6-3:2011
- EN 61000-6-1:2007
- EN 61000-6-4:2007 +A1:2011
- EN 61000-6-2:2005
- EN 55011:2007 +A1:2010
- EN 55014-1:2006 +A2:2011
- EN 55014-2:1997 +A2:2008
- EN 55015:2013
- EN 55032:2015
- EN 55024:2010
- EN 50130-4:2011 +A1:2014
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 61326-1:2013

Group 1
 Class A

Group 2
 Class B



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<input type="checkbox"/> VCCI V-3 / 2015.04	<input type="checkbox"/> Class A	<input type="checkbox"/> Class B
<input type="checkbox"/> AS/NZS:2013	<input type="checkbox"/> Class A	<input type="checkbox"/> Class B
<input checked="" type="checkbox"/> 47 CFR Part 15, Subpart B		
<input type="checkbox"/> CISPR 22:2009 +A1:2010	<input type="checkbox"/> Class A	<input type="checkbox"/> Class B
<input checked="" type="checkbox"/> ANSI C63.4-2017	<input type="checkbox"/> Class A	<input checked="" type="checkbox"/> Class B
<input type="checkbox"/> IC Regulation ICES-003 : 2016		
<input type="checkbox"/> CAN/CSA CISPR 22-10	<input type="checkbox"/> Class A	<input type="checkbox"/> Class B
<input type="checkbox"/> ANSI C63.4-2014	<input type="checkbox"/> Class A	<input type="checkbox"/> Class B
<input type="checkbox"/> RE- Directive 2014/53/EU		
<input type="checkbox"/> EN 301 489-1 V1.9.2		
<input type="checkbox"/> Equipment for fixed use		
<input type="checkbox"/> Equipment for vehicular use		
<input type="checkbox"/> Equipment for portable use		
<input type="checkbox"/> EN 301 489-3 V1.6.1		
<input type="checkbox"/> EN 301 489-17 V2.2.1		
<input type="checkbox"/> EN 60945:2002		

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2.1 Conducted Emissions at Mains Power Ports

Test Date

Aug. 10, 2021

Test Location

Electro wave Shieldroom #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
<input checked="" type="checkbox"/>	EMI Test S/W	EMC32	R & S	9.12.00	-	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESR3	R & S	101783	01, 15, 2022	1 Year
<input checked="" type="checkbox"/>	LISN	ENV216	R & S	101787	12, 29, 2021	1 Year
<input type="checkbox"/>	LISN	ESH2-Z5	R & S	100450	12, 29, 2021	1 Year
<input checked="" type="checkbox"/>	PULSE LIMITER	ESH3-Z2	R & S	101915	12, 29, 2021	1 Year

Test Conditions

Temperature: $(24,4 \pm 0,1) ^\circ\text{C}$

Relative Humidity: $(47,8 \pm 0,1) \% \text{ R.H.}$

Frequency Range of Measurement

150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Results

The requirements are:

- PASS
- NOT PASS
- NOT APPLICABLE

Remarks

See Appendix A for test data.

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2.2 Radiated Electric Field Emissions(Below 1 GHz)

Test Date

Aug. 10, 2021

Test Location

OPEN AREA TEST SITE #2 SEMI ANECHOIC CHAMBER #5

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
<input checked="" type="checkbox"/>	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.120	-	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	04, 01, 2022	1 Year
<input checked="" type="checkbox"/>	BILOG ANTENNA	VULB 9168	SCHWARZBECK	9168-461	11, 11, 2022	2 Year
<input checked="" type="checkbox"/>	AMPLIFIER	310N	SONOMA INSTRUMENT	401123	06, 07, 2022	1 Year
<input checked="" type="checkbox"/>	ATTENUATOR	6806.17.A	HUBER+SUHNER	-	11, 03, 2021	1 Year

Test Conditions

Temperature: (24,7 \pm 0,2) °C

Relative Humidity: (47,2 \pm 0,3) % R.H.

Frequency Range of Measurement

30 MHz to 1 GHz

Instrument Settings

IF Band Width: 120 kHz

Test Results

The requirements are:

PASS
 NOT PASS
 NOT APPLICABLE

Remarks

See Appendix A for test data.

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2.3 Radiated Electric Field Emissions(Above 1 GHz)

Test Date

Aug. 11, 2021

Test Location

SEMI ANECHOIC CHAMBER #5

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due	calibration interval
<input checked="" type="checkbox"/>	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.120	-	-
<input checked="" type="checkbox"/>	EMI TEST RECEIVER	ESU26	Rohde & Schwarz	100552	04, 01, 2022	1 Year
<input checked="" type="checkbox"/>	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	12, 14, 2021	1 Year
<input checked="" type="checkbox"/>	PREAMPLIFIER	8449B	HP	3008A00538	06, 21, 2022	1 Year

Test Conditions

Temperature: $(24,2 \pm 0,2) ^\circ\text{C}$

Relative Humidity: $(48,0 \pm 0,3) \% \text{ R.H.}$

Frequency Range of Measurement

1 GHz to 12,4 GHz

Instrument Settings

IF Band Width: 1 MHz

Test Results

The requirements are:

- PASS
- NOT PASS
- NOT APPLICABLE

Remarks

See Appendix A for test data.

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APPENDIX A – TEST DATA

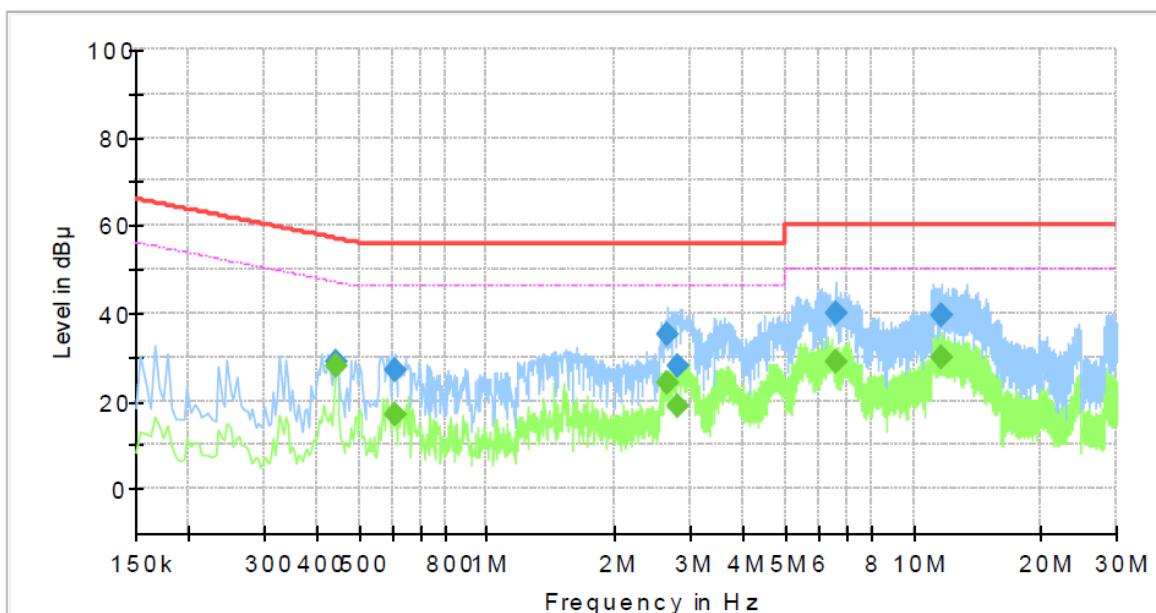
Conducted Emissions at Mains Power Ports

■ Charging Mode

HOT LINE

Common Information

Test Description:	Conducted Emission
Model No.:	ISW-MUS101
Phase:	H
Mode:	Charging
Operator Name:	KES



Final Result

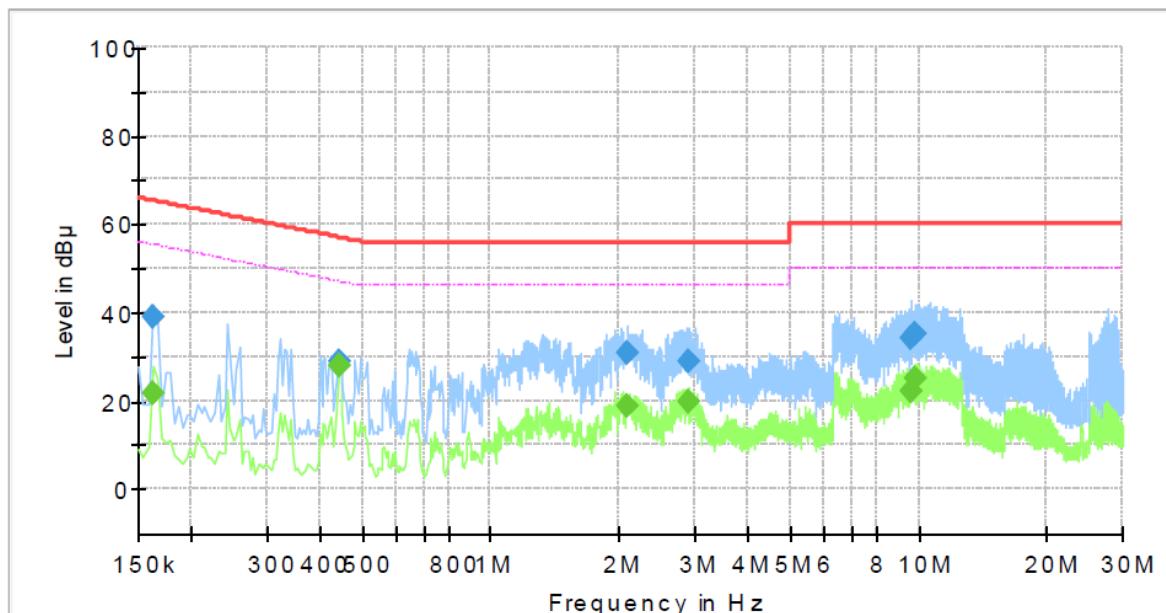
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.442000	---	27.97	47.02	19.05	1000.0	9.000	L1	20.0
0.442000	28.93	---	57.02	28.09	1000.0	9.000	L1	20.0
0.610000	---	16.76	46.00	29.24	1000.0	9.000	L1	20.2
0.610000	26.85	---	56.00	29.15	1000.0	9.000	L1	20.2
2.650000	---	23.96	46.00	22.04	1000.0	9.000	L1	20.6
2.650000	35.16	---	56.00	20.84	1000.0	9.000	L1	20.6
2.814000	---	18.61	46.00	27.39	1000.0	9.000	L1	20.6
2.814000	27.95	---	56.00	28.05	1000.0	9.000	L1	20.6
6.554000	---	28.99	50.00	21.01	1000.0	9.000	L1	20.0
6.554000	39.76	---	60.00	20.24	1000.0	9.000	L1	20.0
11.590000	---	30.02	50.00	19.98	1000.0	9.000	L1	20.6
11.590000	39.69	---	60.00	20.31	1000.0	9.000	L1	20.6

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NEUTRAL LINE

Common Information

Test Description: Conducted Emission
 Model No.: ISW-MUS101
 Phase: N
 Mode: Charging
 Operator Name: KES



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162000	---	21.83	55.36	33.53	1000.0	9.000	N	19.7
0.162000	38.81	---	65.36	26.55	1000.0	9.000	N	19.7
0.442000	---	27.98	47.02	19.04	1000.0	9.000	N	20.0
0.442000	28.99	---	57.02	28.03	1000.0	9.000	N	20.0
2.078000	---	18.92	46.00	27.08	1000.0	9.000	N	20.7
2.078000	30.77	---	56.00	25.23	1000.0	9.000	N	20.7
2.894000	---	19.58	46.00	26.42	1000.0	9.000	N	20.6
2.894000	28.99	---	56.00	27.01	1000.0	9.000	N	20.6
9.602000	---	21.97	50.00	28.03	1000.0	9.000	N	20.4
9.602000	34.16	---	60.00	25.84	1000.0	9.000	N	20.4
9.814000	---	25.10	50.00	24.90	1000.0	9.000	N	20.4
9.814000	35.24	---	60.00	24.76	1000.0	9.000	N	20.4

◆ Calculation

QuasiPeak[dB μ V] / CAverage [dB μ V] = Reading Value[dB μ V] + Corr. [dB]

QuasiPeak / CAverage : The Final Value

Reading Value : Not shown in the table.

Corr. : Correction values (LISN FACTOR + (Cable Loss + Pulse Limiter FACTOR))

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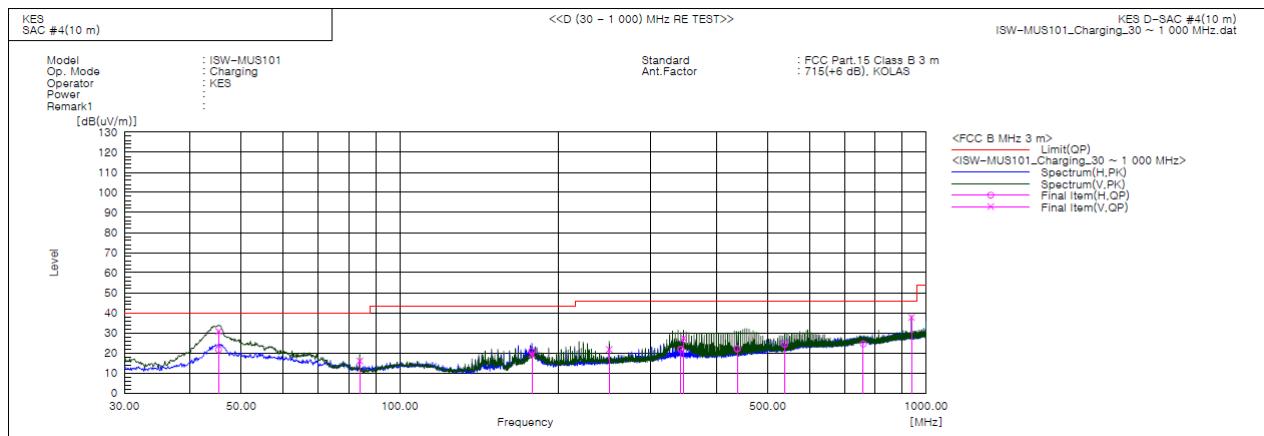
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Radiated Electric Field Emissions(Below 1 GHz)

■ Charging Mode



Final Result

No.	Frequency [MHz]	(P) [dB(uV)]	Reading QP [dB(1/m)]	c.f. [dB(uV/m)]	Result QP [dB(uV/m)]	Limit QP [dB]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	45.274	V 52.7	-21.9	30.8	40.0	9.2	100.0	184.0		
2	45.278	H 43.5	-21.9	21.6	40.0	18.4	355.0	43.0		
3	83.956	V 43.2	-27.2	16.0	40.0	24.0	135.0	71.0		
4	178.289	V 43.6	-24.3	19.3	43.5	24.2	100.0	37.0		
5	178.299	H 45.2	-24.3	20.9	43.5	22.6	295.0	156.0		
6	249.948	V 41.9	-20.1	21.8	46.0	24.2	107.0	37.0		
7	341.976	H 38.4	-16.6	21.8	46.0	24.2	368.0	95.0		
8	346.099	V 43.9	-16.5	27.4	46.0	18.6	147.0	14.0		
9	437.521	H 36.8	-14.7	22.1	46.0	23.9	400.0	20.0		
10	538.644	H 36.5	-12.1	24.4	46.0	21.6	388.0	186.0		
11	759.561	H 32.0	-7.5	24.5	46.0	21.5	400.0	43.0		
12	937.556	V 43.3	-5.6	37.7	46.0	8.3	123.0	120.0		

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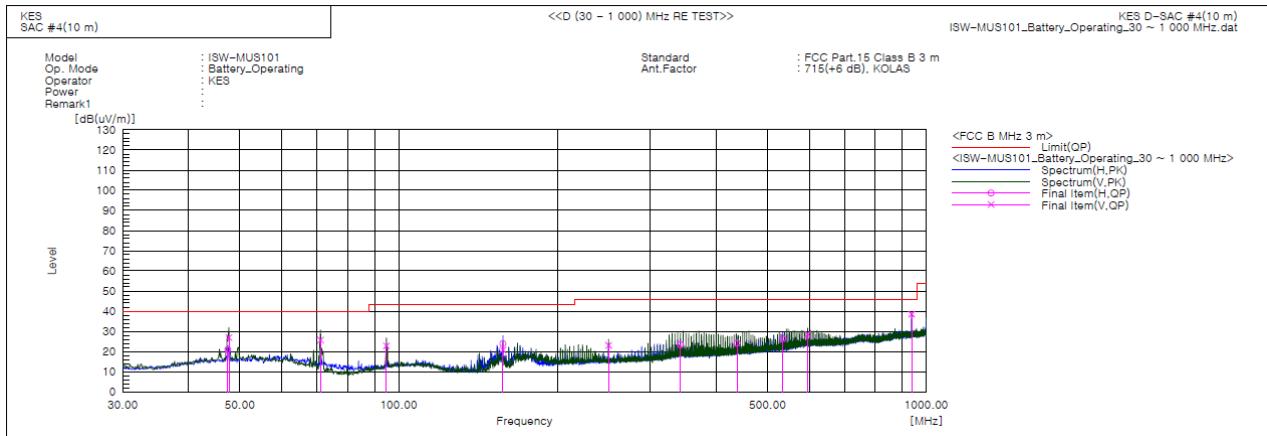


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■ Battery_Operating Mode



Final Result

No.	Frequency [MHz]	(P) [dB(uV)]	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]	Remark
1	47.460	H 42.7	42.7	-21.7	21.0	40.0	19.0	278.0	185.0	
2	47.703	V 48.6	48.6	-21.7	26.9	40.0	13.1	183.0	279.0	
3	71.104	V 51.5	51.5	-25.8	25.7	40.0	14.3	211.0	290.0	
4	94.748	V 46.9	46.9	-24.1	22.8	43.5	20.7	132.0	246.0	
5	157.671	V 46.2	46.2	-25.4	20.8	43.5	22.7	100.0	101.0	
6	157.676	H 49.3	49.3	-25.4	23.9	43.5	19.6	391.0	222.0	
7	249.948	V 43.2	43.2	-20.1	23.1	46.0	22.9	108.0	67.0	
8	341.976	H 40.0	40.0	-16.6	23.4	46.0	22.6	334.0	106.0	
9	437.521	H 38.9	38.9	-14.7	24.2	46.0	21.8	364.0	275.0	
10	534.521	H 38.6	38.6	-12.2	26.4	46.0	19.6	400.0	20.0	
11	595.995	V 38.6	38.6	-10.0	28.6	46.0	17.4	107.0	139.0	
12	937.556	V 44.1	44.1	-5.6	38.5	46.0	7.5	100.0	147.0	

◆ Calculation – SAC #4(10 m)

$$\text{Result(QP)} [\text{dB}(\mu\text{V}/\text{m})] = (\text{Reading(QP)} [\text{dB}(\mu\text{V})] + \text{c.f} [\text{dB}(1/\text{m})])$$

$$\text{Margin(QP)} [\text{dB}] = \text{Limit} [\text{dB}(\mu\text{V}/\text{m})] - \text{Result(QP)} [\text{dB}(\mu\text{V}/\text{m})]$$

Reading(QP) : Reading value, Result(QP) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value



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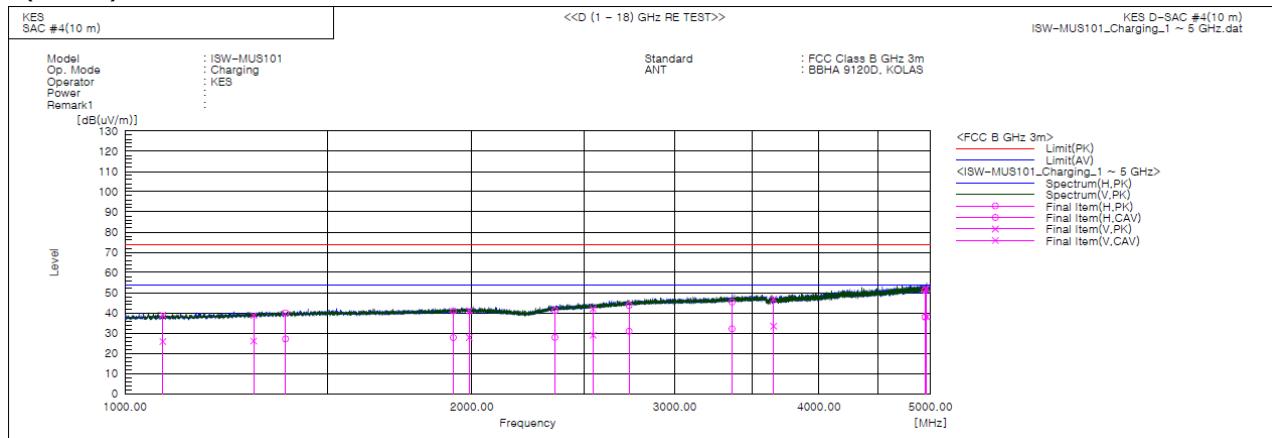
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Radiated Electric Field Emissions(Above 1 GHz)

■ Charging Mode

- (1 ~ 5) GHz



Final Result

No.	Frequency [MHz]	(P) PK [dB(uV)]	Reading CAV [dB(uV)]	Reading C.f. [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB]	Limit AV [dB]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1078.580	V 42.7	29.5	-3.7	39.0	25.8	74.0	54.0	35.0	28.2	152.0	316.0	
2	1293.175	V 41.0	28.3	-2.2	38.8	26.1	74.0	54.0	35.2	27.9	100.0	134.0	
3	1378.250	H 41.7	28.8	-1.7	40.0	27.1	74.0	54.0	34.0	26.9	364.0	59.0	
4	1926.895	H 39.8	26.6	1.2	41.0	27.8	74.0	54.0	33.0	26.2	400.0	168.0	
5	1989.405	V 39.4	26.3	1.6	41.0	27.9	74.0	54.0	33.0	26.1	108.0	19.0	
6	2360.690	H 37.6	24.3	3.6	41.2	27.9	74.0	54.0	32.8	26.1	336.0	56.0	
7	2546.760	V 37.4	24.4	4.6	42.0	29.0	74.0	54.0	32.0	25.0	131.0	16.0	
8	2738.025	H 38.1	25.3	5.6	43.7	30.9	74.0	54.0	30.3	23.1	334.0	46.0	
9	3362.785	H 37.1	23.9	8.2	45.3	32.1	74.0	54.0	28.7	21.9	400.0	138.0	
10	3653.500	V 37.8	24.4	9.1	46.9	33.5	74.0	54.0	27.1	20.5	183.0	85.0	
11	4944.345	H 35.7	22.5	15.5	51.2	38.0	74.0	54.0	22.8	16.0	318.0	240.0	
12	4959.110	V 36.7	22.5	15.5	52.2	38.0	74.0	54.0	21.8	16.0	100.0	195.0	

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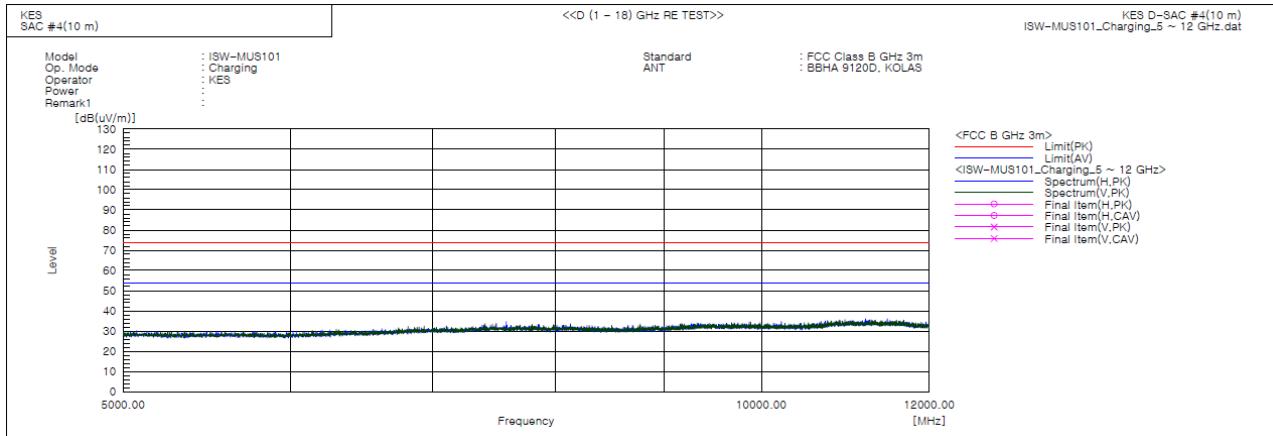


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- (5 ~ 12.4) GHz



* No spurious emission were detected above 5 GHz.

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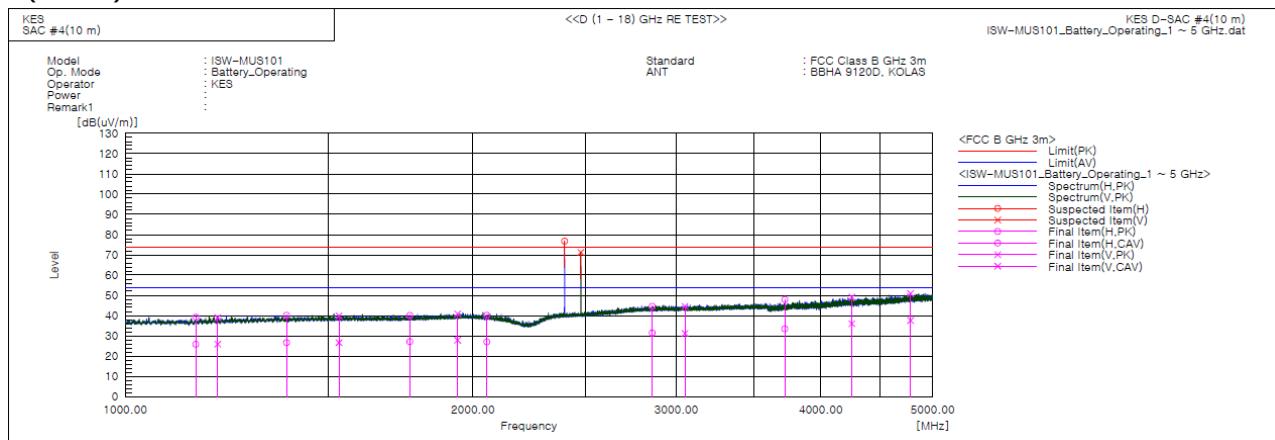


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■ Battery_Operating Mode - (1 ~ 5) GHz



Final Result

No.	Frequency [MHz]	(P) [dB(uV)]	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]	Remark
1	1150.955	H 42.4	28.9	-3.1	39.3	25.8	74.0	54.0	34.7	28.2	332.0	107.0		
2	1202.170	V 41.9	28.7	-2.8	39.1	25.9	74.0	54.0	34.9	28.1	100.0	103.0		
3	1379.175	H 41.9	28.4	-1.7	40.2	26.7	74.0	54.0	33.8	27.3	387.0	24.0		
4	1531.145	V 40.7	27.5	-0.8	39.9	26.7	74.0	54.0	34.1	27.3	108.0	138.0		
5	1763.330	H 39.7	26.7	0.4	40.1	27.1	74.0	54.0	33.9	26.9	400.0	224.0		
6	1939.455	V 39.6	26.6	1.3	40.9	27.9	74.0	54.0	33.1	26.1	109.0	349.0		
7	2056.155	H 38.3	25.1	1.9	40.2	27.0	74.0	54.0	33.8	27.0	172.0	340.0		
8	2859.025	H 38.4	25.2	6.2	44.6	31.4	74.0	54.0	29.4	22.6	325.0	49.0		
9	3050.830	V 37.6	24.3	7.0	44.6	31.3	74.0	54.0	29.4	22.7	100.0	258.0		
10	3722.775	H 38.2	23.8	9.7	47.9	33.5	74.0	54.0	26.1	20.5	343.0	85.0		
11	4255.690	V 36.7	23.5	12.5	49.2	36.0	74.0	54.0	24.8	18.0	110.0	7.0		
12	4782.600	V 36.0	22.7	14.9	50.9	37.6	74.0	54.0	23.1	16.4	181.0	100.0		
13	2401.000	H -----	-----	3.8	-----	-----	74.0	54.0	-----	-----	100.0	202.0		
14	2479.500	V -----	-----	4.3	-----	-----	74.0	54.0	-----	-----	100.0	293.0		

- Fundamental Frequency: 2.4 GHz

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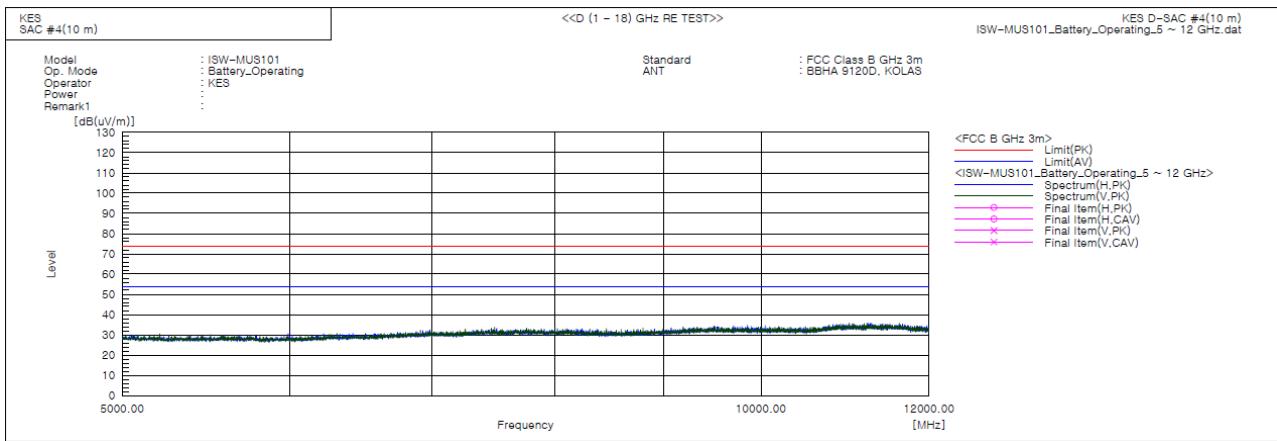


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- (5 ~ 12.4) GHz



* No spurious emission were detected above 5 GHz.

◆ Calculation

$$\text{Result(PK/CAV)} [\text{dB}(\mu\text{V}/\text{m})] = (\text{Reading(PK/CAV)} [\text{dB}(\mu\text{V})] + \text{c.f} [\text{dB}(1/\text{m})])$$

$$\text{Margin(PK/CAV)} [\text{dB}] = \text{Limit} [\text{dB}(\mu\text{V}/\text{m})] - \text{Result(PK/CAV)} [\text{dB}(\mu\text{V}/\text{m})]$$

Reading(PK/CAV) : Reading value, Result(PK/CAV) : Reading value + Factor value

Limit(QP) : Limit value, c.f : (ANT Factor + Cable Loss - Preamp Factor), Margin: Margin value

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