

**KES Co., Ltd.**

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www.kes.co.kr

Report No.:

KES-EM-22T0791-R1

Page (1) of (31)

EMC TEST REPORT

Test Report No. : KES-EM-22T0791-R1
Date of Issue : Sep. 30, 2022
Product name : Wireless Charger for SMART INSOLE
Model/Type No. : ST-WPAD001
Variant Model : -
Applicant : Salted Co., Ltd.
Applicant Address : 6F, 603, Eonju-ro, Gangnam-gu, Seoul, Republic of Korea
Manufacturer : Salted Co., Ltd.
Manufacturer Address : 6F, 603, Eonju-ro, Gangnam-gu, Seoul, Republic of Korea
FCC ID : 2AL6N-ST-WPAD001
Date of Receipt : Jul. 27, 2022
Test date : Sep. 07, 2022 ~ Sep. 29, 2022
Test Results : ☒ **In Compliance** ☐ **Not in Compliance**

Tested by

Dae Hyun, Kim
EMC Test Engineer

Reviewed by

Dong-Hun, Jang
EMC Technical Manager

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Page (2) of (31)

REPORT REVISION HISTORY

Date	Test Report No.	Revision History
Sep. 21, 2022	KES-EM-22T0791	Issued
Sep. 30, 2022	KES-EM-22T0791-R1	Re-issuance of EMC TEST REPORT due to retest (Radiated Electric Field emissions (Above 1 GHz))

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Report No.:

KES-EM-22T0791-R1

Page (3) of (31)

TABLE OF CONTENTS

1.0	General Product Description.....	4
1.1	Test Voltage & Frequency	5
1.2	Variant Model Differences	5
1.3	Device Modifications	5
1.4	Equipment Under Test.....	5
1.5	Support Equipments	5
1.6	External I/O Cabling	6
1.7	EUT Operating Mode(s)	6
1.8	Configuration	7
1.9	Remarks when standards applied	8
1.10	Calibration Details of Equipment Used for Measurement	8
1.11	Test Facility	8
1.12	Measurement Procedure.....	8
1.13	Laboratory Accreditations and Listings	9
2.0	Test Regulations.....	10
2.1	Conducted Emissions at Mains Power Ports	11
2.2	Radiated Electric Field Emissions(Below 1 GHz)	13
2.3	Radiated Electric Field Emissions(Above 1 GHz)	15
APPENDIX A	– TEST DATA.....	17
	Conducted Emissions at Mains Power Ports.....	17
	Radiated Electric Field Emissions(Below 1 GHz)	21
	Radiated Electric Field Emissions(Above 1 GHz)	23
	Test Setup Photos and Configuration	26
	Radiated Electric Field Emissions(Below 1 GHz)	28
	Radiated Electric Field Emissions(Above 1 GHz)	30

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Report No.:

KES-EM-22T0791-R1

Page (4) of (31)

1.0 General Product Description

Main Specifications of EUT are:

Division	Characteristic	
Communication method	Wireless Charge	200 kHz
	Bluetooth	(2 402 ~ 2 480) MHz
Power	DC 5 V (USB)	
Highest internal Frequency	32 MHz	
Size	(182 x 98 x 10) mm	
Weight	135 g	
Port	USB C Type x 1 EA	
Components	EUT x 1 EA , Cable x 1 EA , Ferrite Core x 1 EA	

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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

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
Wireless Charger for SMART INSOLE	ST-WPAD001	-	Salted Co., Ltd.	EUT

1.5 Support Equipments

Description	Model Number	Serial Number	Manufacturer	Remarks
SMART INSOLE 1	ST-BTIN003L	-	Salted Co., Ltd.	-
SMART INSOLE 2	ST-BTIN003R	-	Salted Co., Ltd.	-
Adapter	ETA-U90KWK	-	RFTech Bac Ninh Co.,Ltd	-

1.6 External I/O Cabling

■ Wireless Charge Mode

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Wireless Charger for SMART INSOLE (EUT)	USB C Type	Adapter	USB	0.5	U
	Wireless Area	SMART INSOLE 1	Wireless Area	-	-
	Wireless Area	SMART INSOLE 2	Wireless Area	-	-

* Unshielded = U, Shielded = S

■ Bluetooth Mode

Start		END		Cable Spec.	
Description	I/O Port	Description	I/O Port	Length	Shield
Wireless Charger for SMART INSOLE (EUT)	USB C Type	Adapter	USB	0.5	U
	Wireless	SMART INSOLE 1	Wireless	-	-

* Unshielded = U, Shielded = S

1.7 EUT Operating Mode(s)

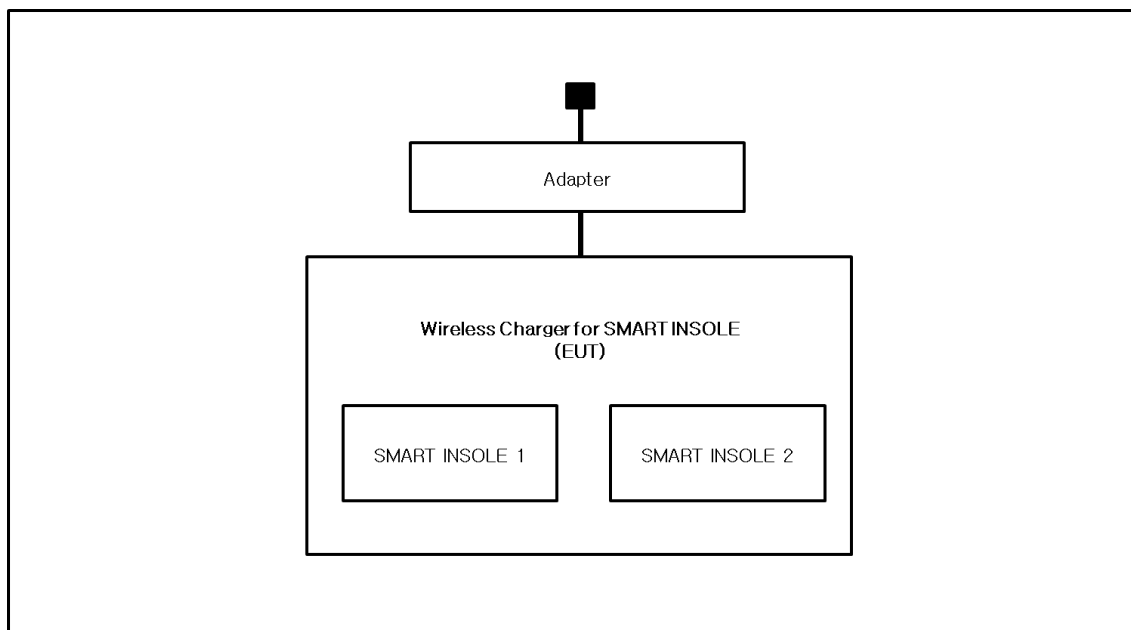
Test mode	operating
Wireless Charge	SMART INSOLE 1 and SMART INSOLE 2 were placed on EUT and tested in the maximum operating state.
Bluetooth	Connect EUT and SMART INSOLE 1 wirelessly, and check the normal communication status with LED.

EUT Test operating S/W		
Name	Version	Manufacture Company
-	-	-

1.8 Configuration

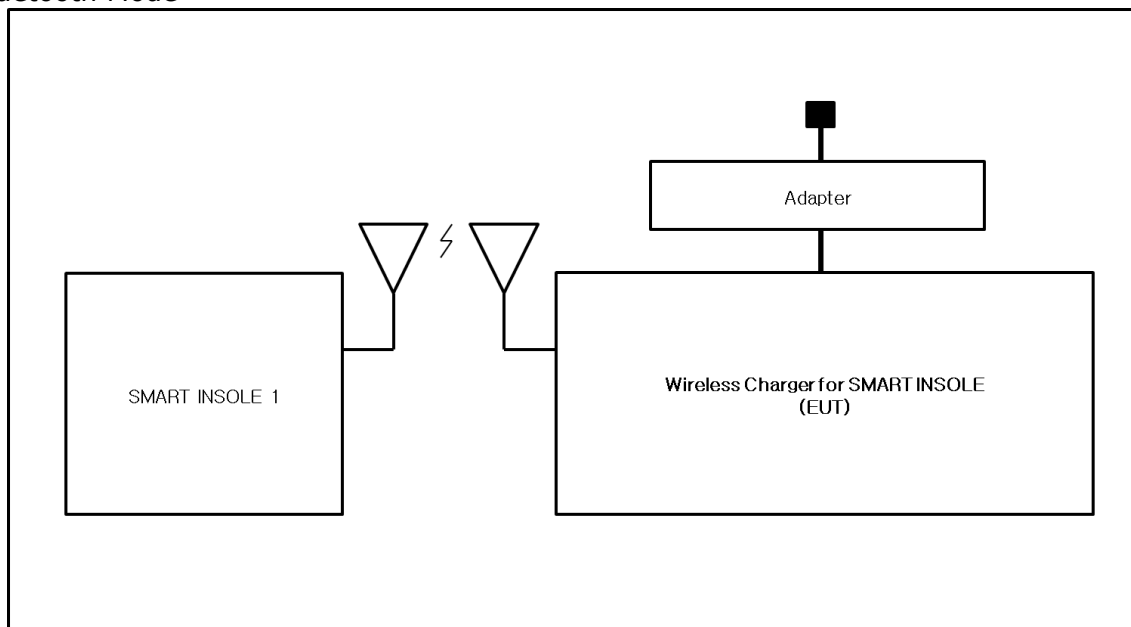
■ AC Main
 □ DC Main

■ Wireless Charge Mode



EUT - SMART INSOLE 1 , SMART INSOLE 2 : 200 kHz Band

■ Bluetooth Mode



EUT - SMART INSOLE 1: Bluetooth 2.4 GHz Band

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, Yeosu-si, Gyeonggi-do, 12658, Korea, Republic of. The sites are constructed in conformance with the requirements of ANSI C63.4a-2017 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 C63.4a:2017 7.3.3, 7.3.4, 8.3.1.1, 8.3.1.2, 8.3.2.1, 8.3.2.2

1.13 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Logo
KOREA	RRA	EMI (3 m & 10 m Semi-Anechoic 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-Anechoic Chamber , and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 KT489
USA	FCC	3 m & 10 m Semi-Anechoic Chamber, 10 m Open Area and Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	ISED	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	 23298
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-Anechoic Chamber , 10 m Open Area and conducted test site) EMS (ESD, RS, EFT/Burst, Surge, CS, Magnetic, Dips and interruptions)	 CARAT 001633 0004



2.0 Test Regulations

The emissions tests were performed according to following regulations:

☒ **47 CFR Part 15, Subpart B**

☐ CISPR 22:2009 +A1:2010

☐ Class A

☐ Class B

☒ ANSI C63.4a-2017

☐ Class A

☒ Class B

2.1 Conducted Emissions at Mains Power Ports

Test Date

Sep. 08, 2022

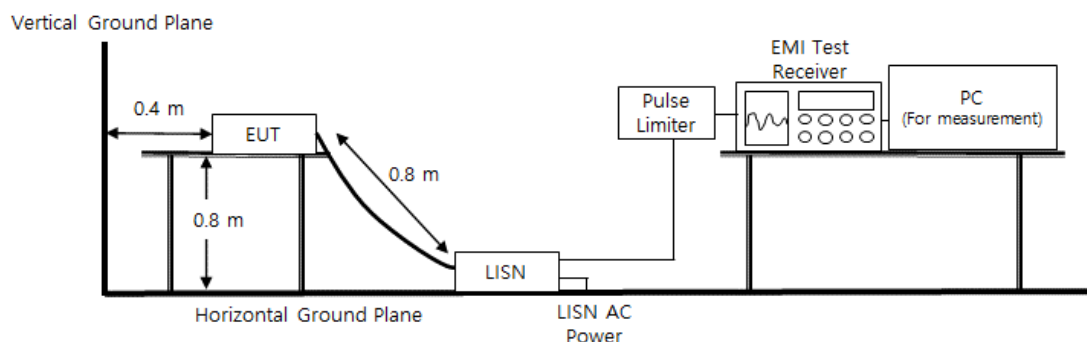
Test Location

Electro wave Shieldroom #6

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EMC32	R & S	9.12.00	-
☒	EMI TEST RECEIVER	ESR3	R & S	101783	12, 28, 2022
☒	LISN	ENV216	R & S	101787	12, 27, 2022
☐	LISN	ESH2-Z5	R & S	100450	12, 27, 2022
☒	PULSE LIMITER	ESH3-Z2	R & S	101915	12, 27, 2022

Diagram of test setup



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Report No.:

KES-EM-22T0791-R1

Page (12) of (31)

Test Conditions

Temperature: (23,5 ± 0,1) °C

Relative Humidity: (45,8 ± 0,0) % 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

Sep. 07, 2022

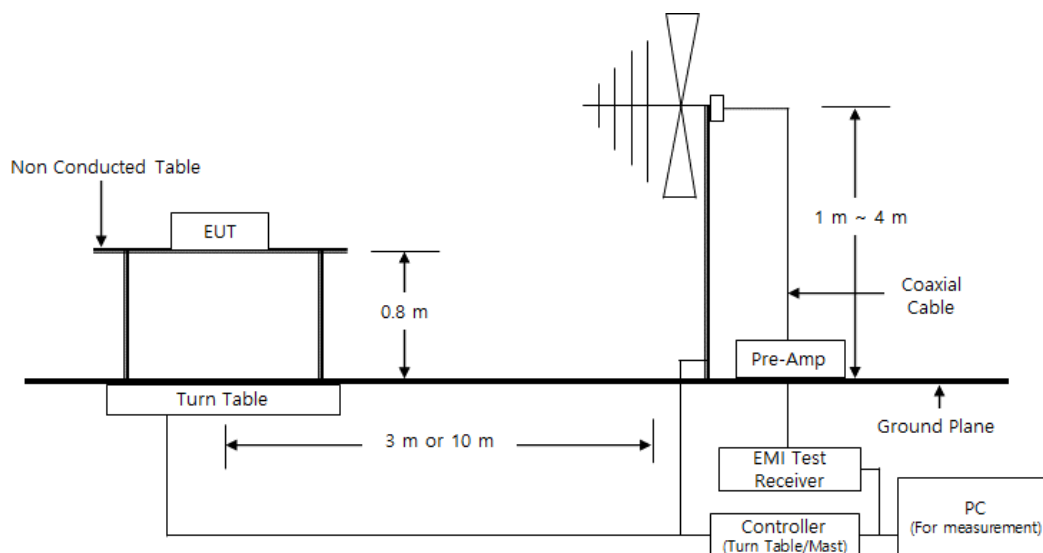
Test Location

SEMI ANECHOIC CHAMBER #4(10 m)

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
☒	EMI TEST RECEIVER	ESU26	R & S	100551	03, 31, 2023
☒	AMPLIFIER	SCU 01	R & S	100603	11, 22, 2022
☒	TRILOG-BROADBAND ANTENNA	VULB9163	Schwarzbeck	715	12, 08, 2022
☒	ATTENUATOR	8491A	HP	32173	03, 08, 2023

Diagram of test setup





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Report No.:

KES-EM-22T0791-R1

Page (14) of (31)

Test Conditions

Temperature: (23,8 ± 0,1) °C

Relative Humidity: (46,9 ± 0,1) % 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)

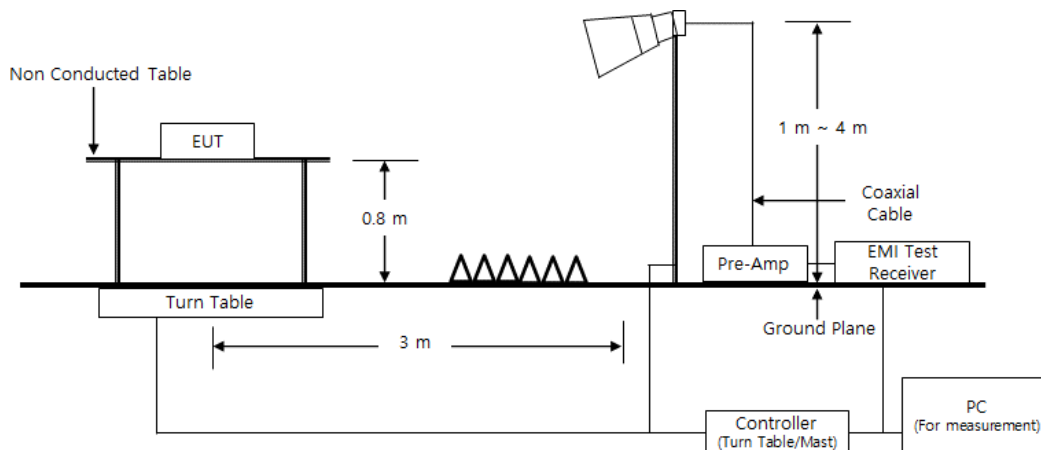
Test Date
 Sep. 29, 2022

Test Location
 SEMI ANECHOIC CHAMBER #4(10 m)

Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
☒	EMI Test S/W	EP5/RE	TOYO Corporation	6.0.0	-
☒	EMI TEST RECEIVER	ESU26	R & S	100551	03, 31, 2023
☒	PREAMPLIFIER	8449B	AGILENT	3008A01742	12, 27, 2022
☐	ATTENUATOR	8491A	HP	35496	03, 08, 2023
☒	HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1802	12, 16, 2022

Diagram of test setup



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Report No.:

KES-EM-22T0791-R1

Page (16) of (31)

Test Conditions

Temperature: (23,1 ± 0,1) °C

Relative Humidity: (49,9 ± 0,0) % R.H.

Frequency Range of Measurement

1 GHz to 5 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

■ Wireless Charge Mode

HOT LINE

Common Information

Test Description:

Conducted Emission

Model No.:

ST-WPAD001

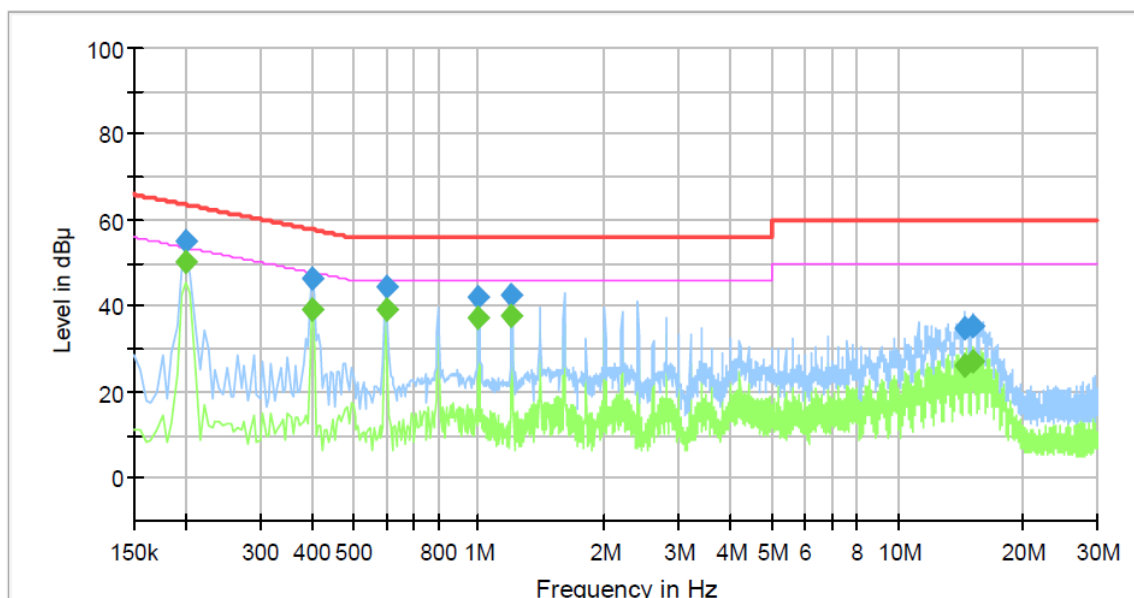
Phase:

Mode:

FCC / Wireless Charge

Operator Name:

KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	55.14	---	63.61	8.47	1000.0	9.000	L1	19.4
0.200000	---	50.25	53.61	3.36	1000.0	9.000	L1	19.4
0.400000	---	39.45	47.85	8.40	1000.0	9.000	L1	19.6
0.400000	46.46	---	57.85	11.39	1000.0	9.000	L1	19.6
0.600000	44.58	---	56.00	11.42	1000.0	9.000	L1	19.8
0.600000	---	39.30	46.00	6.70	1000.0	9.000	L1	19.8
1.000000	---	37.45	46.00	8.55	1000.0	9.000	L1	20.0
1.000000	42.22	---	56.00	13.78	1000.0	9.000	L1	20.0
1.200000	---	37.64	46.00	8.36	1000.0	9.000	L1	20.1
1.200000	42.50	---	56.00	13.50	1000.0	9.000	L1	20.1
14.400000	---	26.34	50.00	23.66	1000.0	9.000	L1	19.9
14.400000	35.03	---	60.00	24.97	1000.0	9.000	L1	19.9
15.200000	---	27.19	50.00	22.81	1000.0	9.000	L1	19.9
15.200000	35.39	---	60.00	24.61	1000.0	9.000	L1	19.9

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NEUTRAL LINE

Common Information

Test Description:

Model No.:

Phase:

Mode:

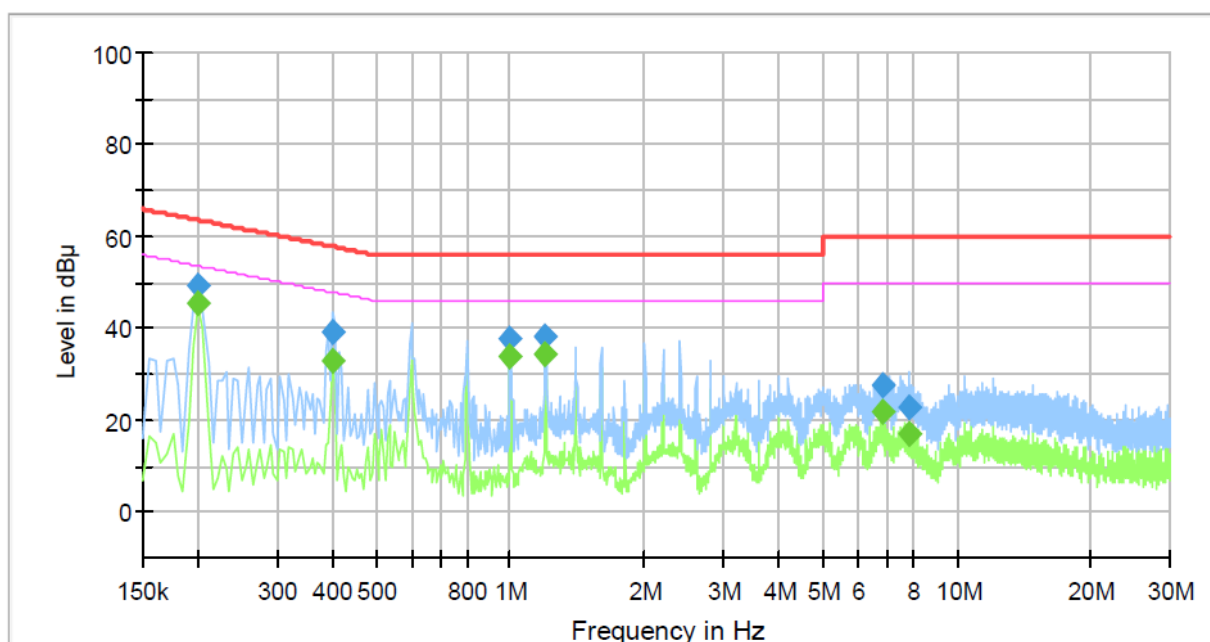
Operator Name:

Conducted Emission

ST-WPAD001

FCC / Wireless Charge

KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	---	45.49	53.61	8.12	1000.0	9.000	N	19.4
0.200000	49.45	---	63.61	14.16	1000.0	9.000	N	19.4
0.400000	---	32.76	47.85	15.09	1000.0	9.000	N	19.6
0.400000	39.17	---	57.85	18.68	1000.0	9.000	N	19.6
1.000000	---	33.86	46.00	12.14	1000.0	9.000	N	20.0
1.000000	37.87	---	56.00	18.13	1000.0	9.000	N	20.0
1.200000	---	34.23	46.00	11.77	1000.0	9.000	N	20.1
1.200000	38.19	---	56.00	17.81	1000.0	9.000	N	20.1
6.800000	---	21.63	50.00	28.37	1000.0	9.000	N	19.5
6.800000	27.55	---	60.00	32.45	1000.0	9.000	N	19.5
7.800000	---	16.95	50.00	33.05	1000.0	9.000	N	19.6
7.800000	22.99	---	60.00	37.01	1000.0	9.000	N	19.6

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Bluetooth Mode

HOT LINE

Common Information

Test Description:

Model No.:

Phase:

Mode:

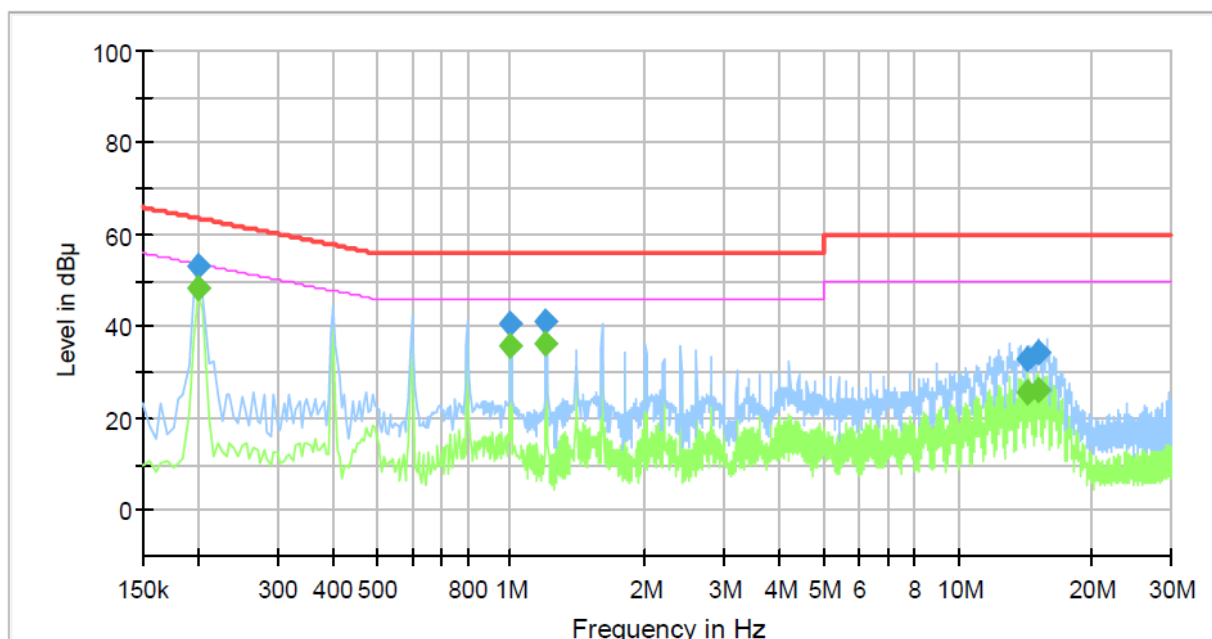
Operator Name:

Conducted Emission

ST-WPAD001

FCC / Bluetooth

KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	---	48.44	53.61	5.17	1000.0	9.000	L1	19.4
0.200000	53.33	---	63.61	10.28	1000.0	9.000	L1	19.4
1.000000	---	35.82	46.00	10.18	1000.0	9.000	L1	20.0
1.000000	40.82	---	56.00	15.18	1000.0	9.000	L1	20.0
1.200000	---	36.20	46.00	9.80	1000.0	9.000	L1	20.1
1.200000	40.99	---	56.00	15.01	1000.0	9.000	L1	20.1
14.385000	---	25.65	50.00	24.35	1000.0	9.000	L1	19.9
14.385000	32.82	---	60.00	27.18	1000.0	9.000	L1	19.9
15.200000	---	26.30	50.00	23.70	1000.0	9.000	L1	19.9
15.200000	34.30	---	60.00	25.70	1000.0	9.000	L1	19.9

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NEUTRAL LINE

Common Information

Test Description:

Model No.:

Phase:

Mode:

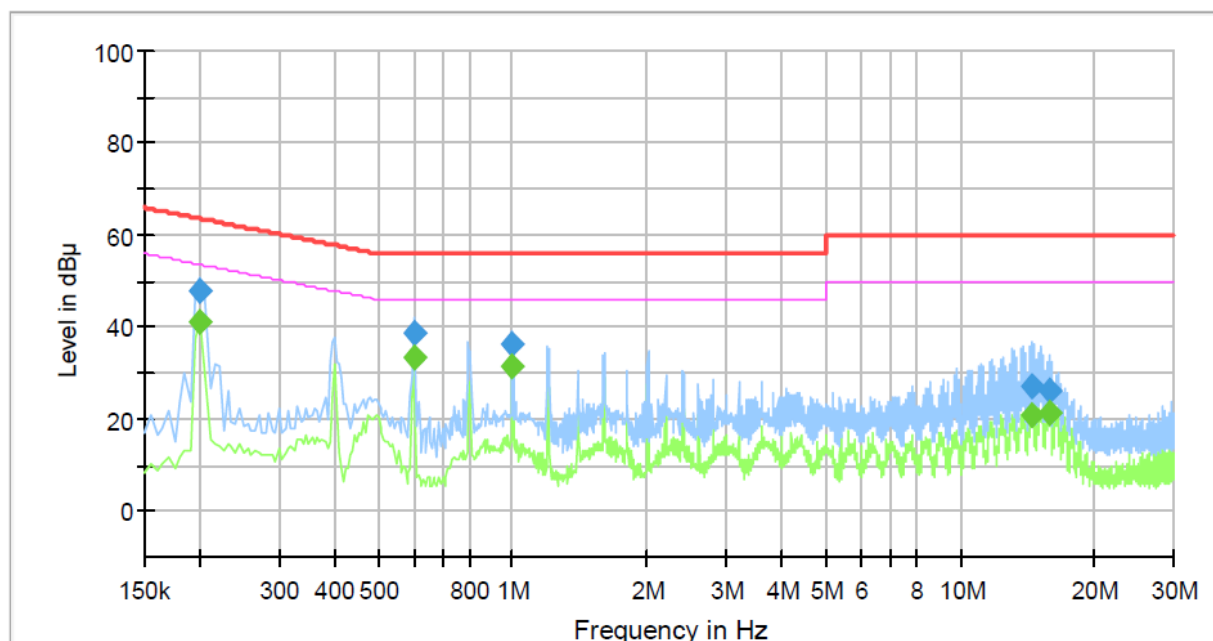
Operator Name:

Conducted Emission

ST-WPAD001

FCC / Bluetooth

KES



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	---	41.12	53.61	12.49	1000.0	9.000	N	19.4
0.200000	48.02	---	63.61	15.59	1000.0	9.000	N	19.4
0.600000	---	33.48	46.00	12.52	1000.0	9.000	N	19.8
0.600000	38.81	---	56.00	17.19	1000.0	9.000	N	19.8
1.000000	---	31.32	46.00	14.68	1000.0	9.000	N	20.0
1.000000	36.35	---	56.00	19.65	1000.0	9.000	N	20.0
14.445000	---	20.73	50.00	29.27	1000.0	9.000	N	19.9
14.445000	27.31	---	60.00	32.69	1000.0	9.000	N	19.9
15.815000	---	21.25	50.00	28.75	1000.0	9.000	N	19.9
15.815000	26.22	---	60.00	33.78	1000.0	9.000	N	19.9

◆ Calculation

$$\text{QuasiPeak [dBuV]} / \text{CAverage [dBuV]} = \text{Reading Value [dBuV]} + \text{Corr. [dB]}$$

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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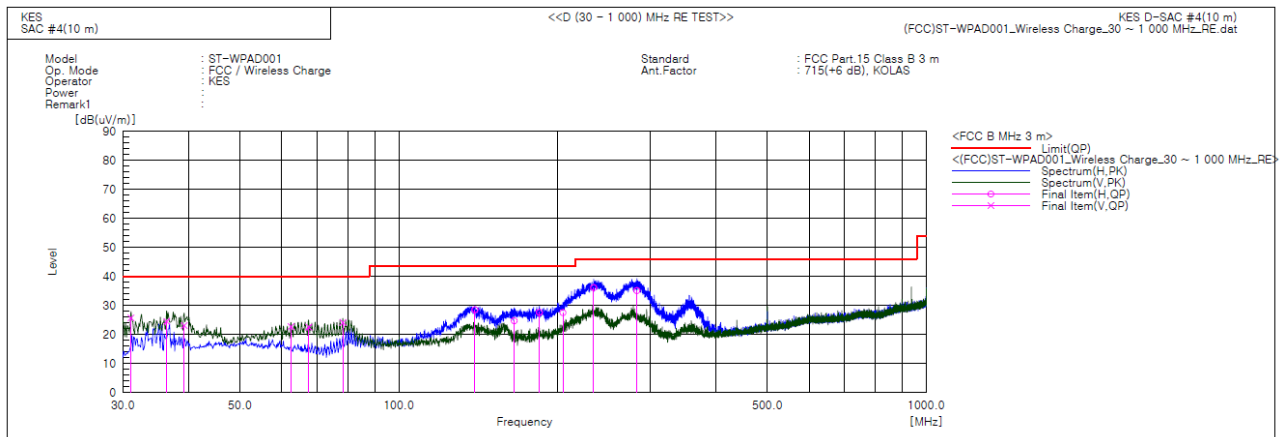
The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

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Radiated Electric Field Emissions(Below 1 GHz)

■ Wireless Charge Mode



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]	Remark
1	31.091	V	50.9	-25.2	25.7	40.0	14.3	100.0	189.0	
2	36.305	V	49.0	-24.5	24.5	40.0	15.5	110.0	23.0	
3	39.215	V	46.2	-23.1	23.1	40.0	16.9	100.0	160.0	
4	62.495	V	45.5	-22.8	22.7	40.0	17.3	155.0	37.0	
5	67.476	V	46.8	-24.3	22.5	40.0	17.5	154.0	242.0	
6	78.379	V	52.0	-27.9	24.1	40.0	15.9	128.0	301.0	
7	139.489	H	54.4	-25.9	28.5	43.5	15.0	296.0	138.0	
8	165.558	H	49.7	-25.0	24.7	43.5	18.8	241.0	134.0	
9	184.715	H	51.1	-23.5	27.6	43.5	15.9	220.0	127.0	
10	204.843	H	49.0	-21.5	27.5	43.5	16.0	374.0	134.0	
11	234.185	H	56.6	-20.5	36.1	46.0	9.9	263.0	142.0	
12	282.806	H	54.4	-19.3	35.1	46.0	10.9	400.0	164.0	



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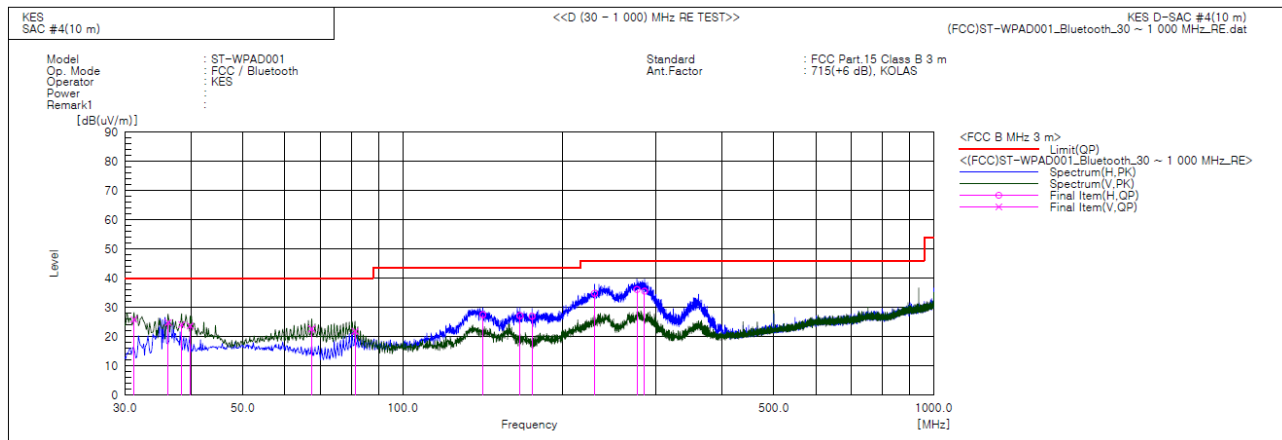
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Report No.:

KES-EM-22T0791-R1

Page (22) of (31)

Bluetooth Mode



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]	Remark
1	31.213	V	51.1	-25.2	25.9	40.0	14.1	100.0	207.0	
2	36.184	V	49.4	-24.6	24.8	40.0	15.2	118.0	25.0	
3	38.366	V	47.6	-23.5	24.1	40.0	15.9	100.0	192.0	
4	39.821	V	46.5	-22.8	23.7	40.0	16.3	100.0	207.0	
5	67.466	V	47.0	-24.3	22.7	40.0	17.3	150.0	4.0	
6	81.410	V	49.6	-27.8	21.8	40.0	18.2	143.0	264.0	
7	141.550	H	53.4	-25.9	27.5	43.5	16.0	296.0	167.0	
8	166.406	H	52.2	-25.0	27.2	43.5	16.3	227.0	163.0	
9	175.258	H	51.5	-24.5	27.0	43.5	16.5	238.0	141.0	
10	229.820	H	55.5	-20.7	34.8	46.0	11.2	158.0	149.0	
11	276.259	H	55.5	-19.4	36.1	46.0	9.9	100.0	168.0	
12	285.595	H	54.7	-19.2	35.5	46.0	10.5	130.0	160.0	

◆ Calculation – SAC #4(10 m)

Result(QP) [dB(μ V/m)] = (Reading(QP)[dB(μ V)] + c.f[dB(1/m)])

Margin(QP)[dB] = Limit[dB(μ V/m)] – Result(QP) [dB(μ V/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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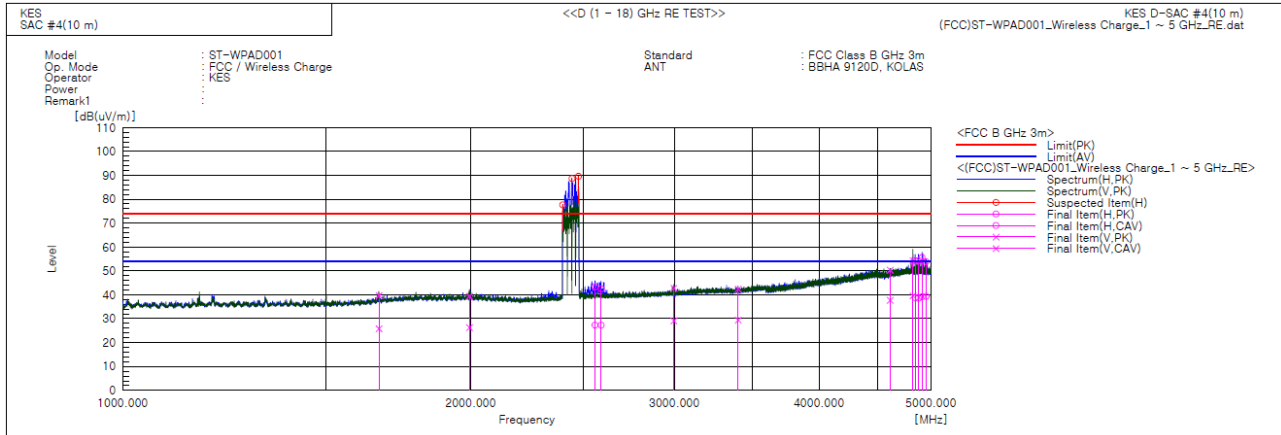
Report No.:

KES-EM-22T0791-R1

Page (23) of (31)

Radiated Electric Field Emissions(Above 1 GHz)

■ Wireless Charge Mode



Final Result

No.	Frequency [MHz]	(P)	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	1665.556	V	41.8	27.9	-2.1	39.7	25.8	74.0	54.0	34.3	28.2	136.0	84.0	
2	1994.714	V	39.5	26.4	-0.1	39.4	26.3	74.0	54.0	34.6	27.7	224.0	130.0	
3	2561.124	H	42.0	26.0	1.3	43.3	27.3	74.0	54.0	30.7	26.7	319.0	181.0	
4	2592.982	H	41.1	25.9	1.4	42.5	27.3	74.0	54.0	31.5	26.7	400.0	182.0	
5	2996.202	V	39.5	25.8	3.3	42.8	29.1	74.0	54.0	31.2	24.9	100.0	229.0	
6	3405.936	V	37.3	24.3	5.1	42.4	29.4	74.0	54.0	31.6	24.6	100.0	252.0	
7	4609.726	V	36.3	23.7	14.0	50.3	37.7	74.0	54.0	23.7	16.3	122.0	285.0	
8	4824.294	V	38.7	24.1	15.5	54.2	39.6	74.0	54.0	19.8	14.4	100.0	7.0	
9	4845.008	H	38.7	23.3	15.5	54.2	38.8	74.0	54.0	19.8	15.2	400.0	189.0	
10	4877.236	H	38.8	23.0	15.6	54.4	38.6	74.0	54.0	19.6	15.4	400.0	189.0	
11	4911.723	H	40.0	23.6	15.6	55.6	39.2	74.0	54.0	18.4	14.8	350.0	178.0	
12	4952.519	H	38.1	23.7	15.7	53.8	39.4	74.0	54.0	20.2	14.6	400.0	238.0	
13	2402.000	H			0.5			74.0	54.0			100.0	88.0	
14	2446.000	H			0.8			74.0	54.0			100.0	193.0	
15	2478.000	H			0.9			74.0	54.0			100.0	197.0	

* Mode Exclusion bands

- Fundamental Frequency : 2.4 GHz

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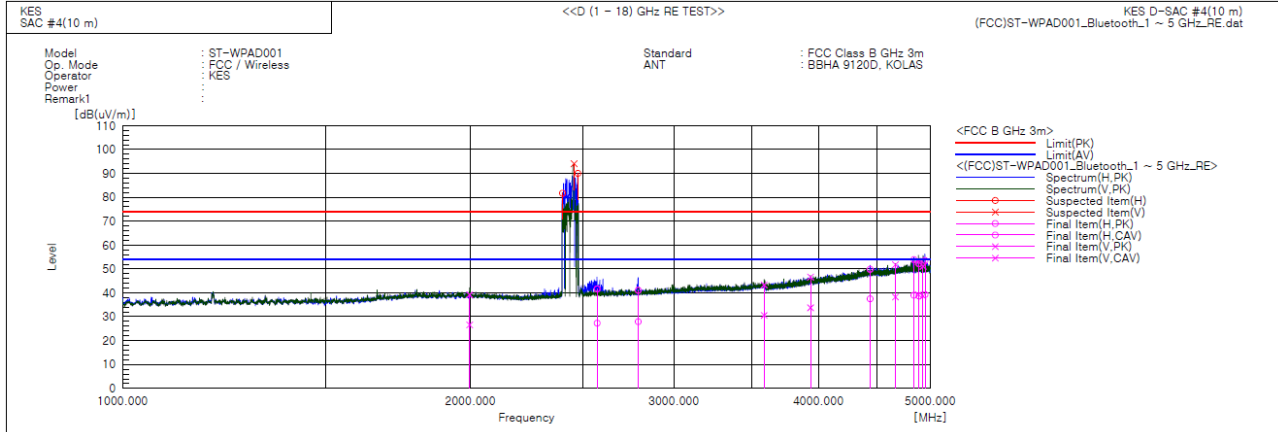
Report No.:

KES-EM-22T0791-R1

Page (24) of (31)

Bluetooth Mode

- (1 ~ 5) GHz



Final Result

No.	Frequency [MHz]	(P)	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	1996.965	V	39.3	26.7	-0.1	39.2	26.6	74.0	54.0	34.8	27.4	232.0	144.0	
2	2574.125	H	40.2	25.9	1.4	41.6	27.3	74.0	54.0	32.4	26.7	400.0	197.0	
3	2793.503	H	38.8	25.6	2.3	41.1	27.9	74.0	54.0	32.9	26.1	334.0	62.0	
4	3591.010	V	36.8	24.1	6.5	43.3	30.6	74.0	54.0	30.7	23.4	100.0	241.0	
5	3938.456	V	37.2	24.4	9.4	46.6	33.8	74.0	54.0	27.4	20.2	100.0	2.0	
6	4434.902	H	36.5	24.1	13.4	49.9	37.5	74.0	54.0	24.1	16.5	311.0	330.0	
7	4664.001	V	37.3	23.8	14.5	51.8	38.3	74.0	54.0	22.2	15.7	169.0	170.0	
8	4840.120	H	38.4	23.5	15.5	53.9	39.0	74.0	54.0	20.1	15.0	269.0	185.0	
9	4883.772	V	37.6	23.7	15.6	53.2	39.3	74.0	54.0	20.8	14.7	125.0	156.0	
10	4888.824	H	36.6	23.1	15.6	52.2	38.7	74.0	54.0	21.8	15.3	300.0	177.0	
11	4928.835	V	35.4	23.0	15.7	51.1	38.7	74.0	54.0	22.9	15.3	100.0	156.0	
12	4947.789	H	37.8	23.6	15.7	53.5	39.3	74.0	54.0	20.5	14.7	400.0	182.0	
13	2402.500	H	-----	-----	0.5	-----	-----	74.0	54.0	-----	-----	100.0	115.0	
14	2458.500	V	-----	-----	0.8	-----	-----	74.0	54.0	-----	-----	100.0	241.0	
15	2477.500	H	-----	-----	0.9	-----	-----	74.0	54.0	-----	-----	100.0	193.0	

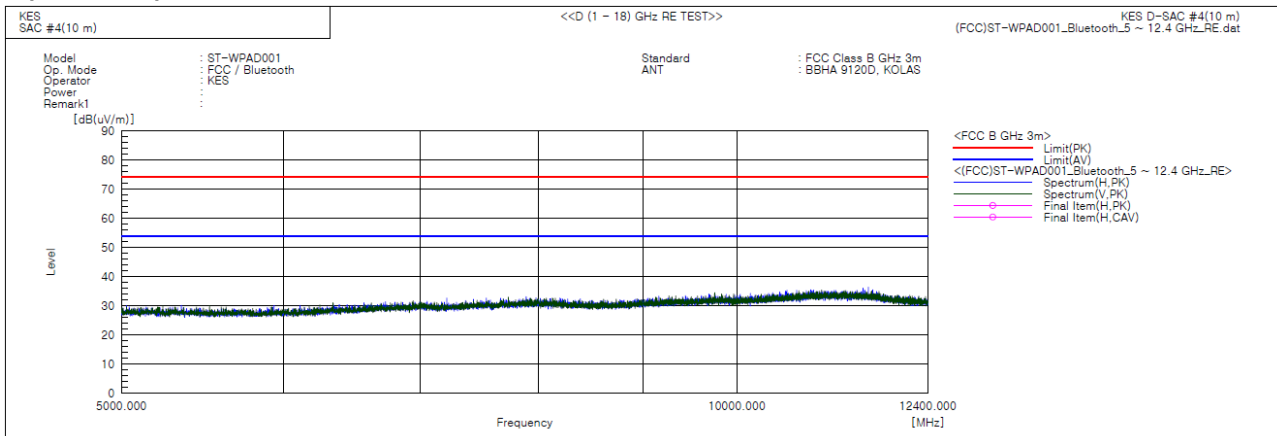
* Mode Exclusion bands

- Fundamental Frequency : 2.4 GHz

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- (5 ~ 12.4) GHz



* No Spurious emission were detected above 5 GHz.

◆ Calculation

Result(PK/CAV) [dB(μV/m)] = (Reading(PK/CAV)[dB(μV)] + c.f[dB(1/m)]

Margin(PK/CAV)[dB] = Limit[dB(μV/m)] - Result(PK/CAV) [dB(μV/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