

# 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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**REPORT REVISION HISTORY**

<b>Date</b>	<b>Test Report No.</b>	<b>Revision History</b>
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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## 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	-

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## 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)

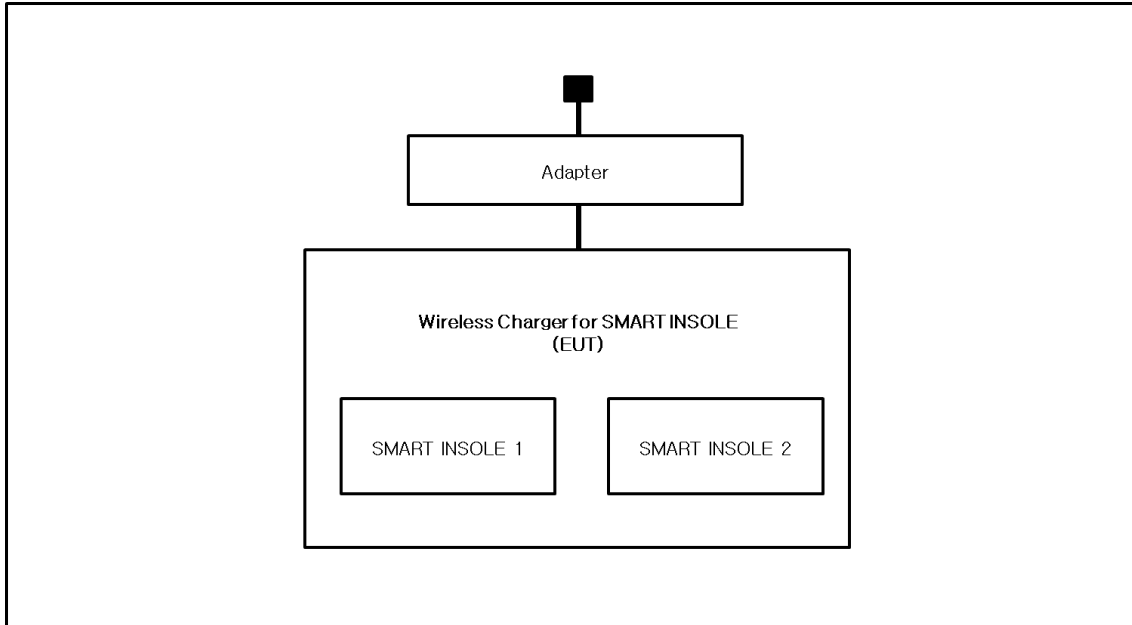
Test mode	operating
Wireless Charge	SMART INSOLE 1 and SMART INSOLE 2 were placed on EUT and tested in the maximum operating state.
Bluetooth	Connect EUT and SMART INSOLE 1 wirelessly, and check the normal communication status with LED.

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

## 1.8 Configuration

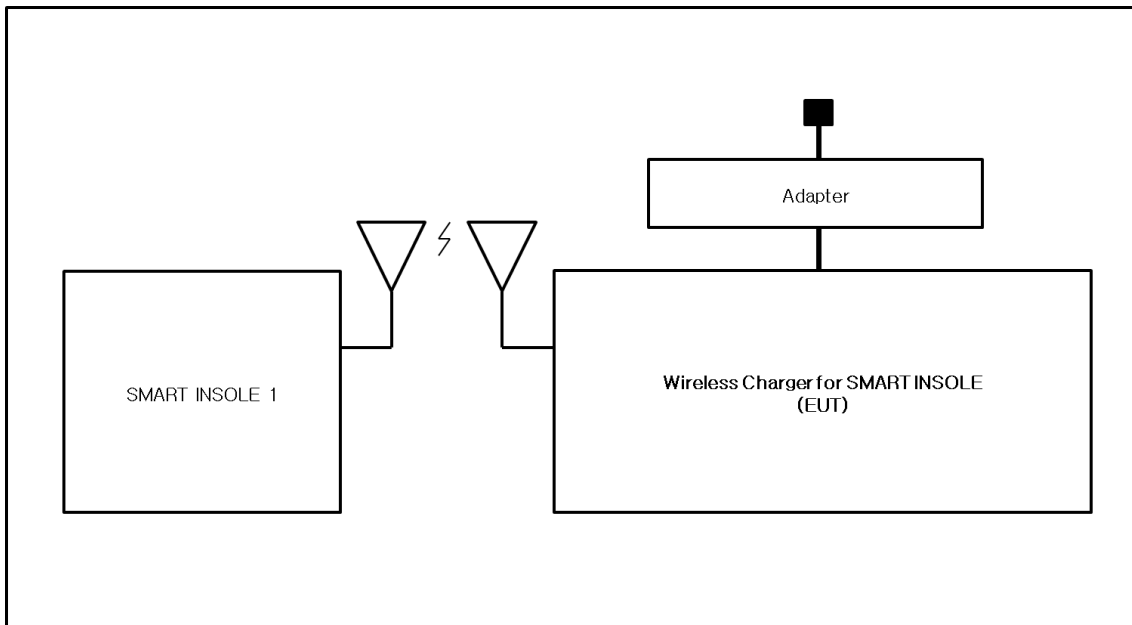
■ AC Main  
 □ DC Main

### ■ Wireless Charge Mode



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

### ■ Bluetooth Mode



EUT - SMART INSOLE 1: Bluetooth 2.4 GHz Band

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## 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	<b>RRA</b>	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	<b>KOLAS</b>	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	<b>FCC</b>	3 m & 10 m Semi-Anechoic Chamber, 10 m Open Area and Conducted test site to perform FCC Part 15/18 measurements.	 KR0100
Canada	<b>ISED</b>	3 m & 10 m Semi-Anechoic Chamber and Conducted test site	 23298
JAPAN	<b>VCCI</b>	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	<b>TÜV SÜD</b>	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

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## 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

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## 2.1 Conducted Emissions at Mains Power Ports

### Test Date

Sep. 08, 2022

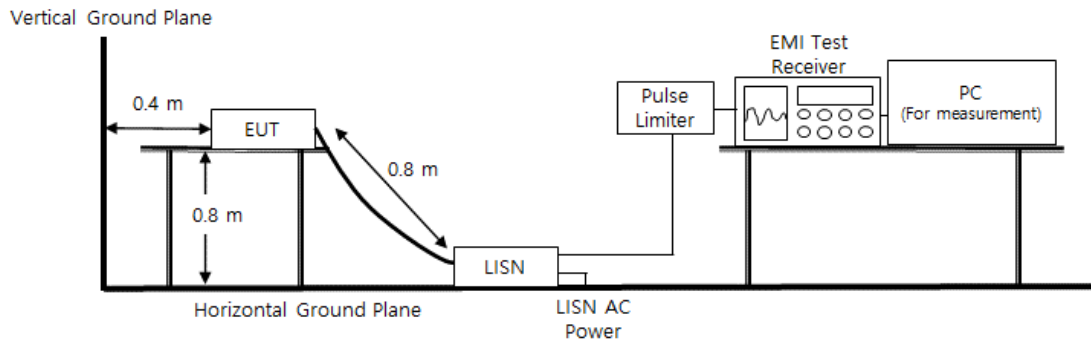
### Test Location

Electro wave Shieldroom #6

### Test Equipment

Used	Description	Model Number	Manufacturer	Serial Number	Cal. Due
<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	12, 28, 2022
<input checked="" type="checkbox"/>	LISN	ENV216	R & S	101787	12, 27, 2022
<input type="checkbox"/>	LISN	ESH2-Z5	R & S	100450	12, 27, 2022
<input checked="" type="checkbox"/>	PULSE LIMITER	ESH3-Z2	R & S	101915	12, 27, 2022

### Diagram of test setup



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### 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)

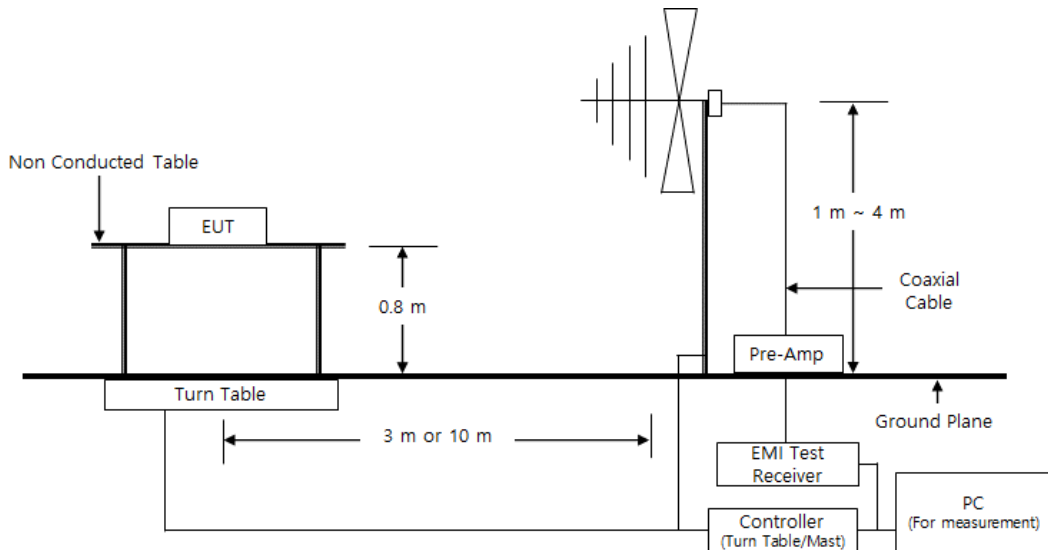
**Test Date**  
 Sep. 07, 2022

**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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### 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

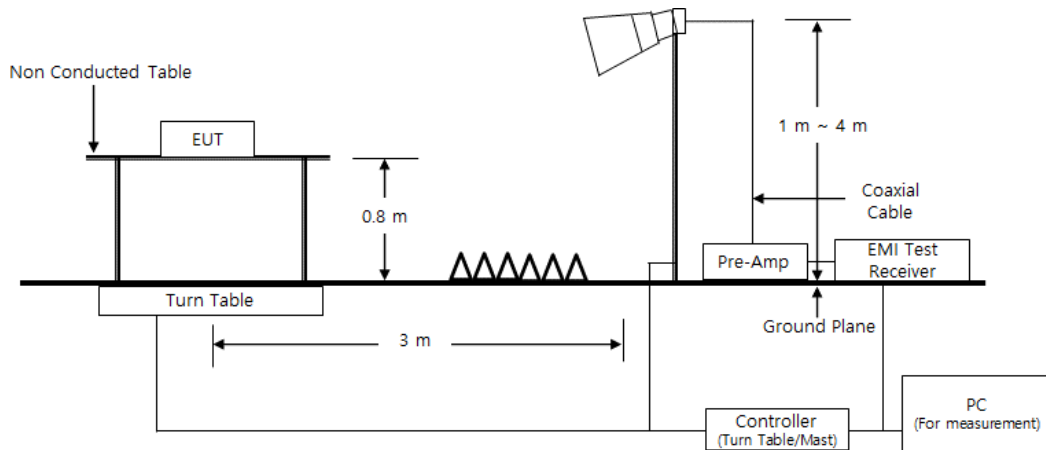
### Test Location

SEMI ANECHOIC CHAMBER #4(10 m)

### Test Equipment

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

### Diagram of test setup



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### 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

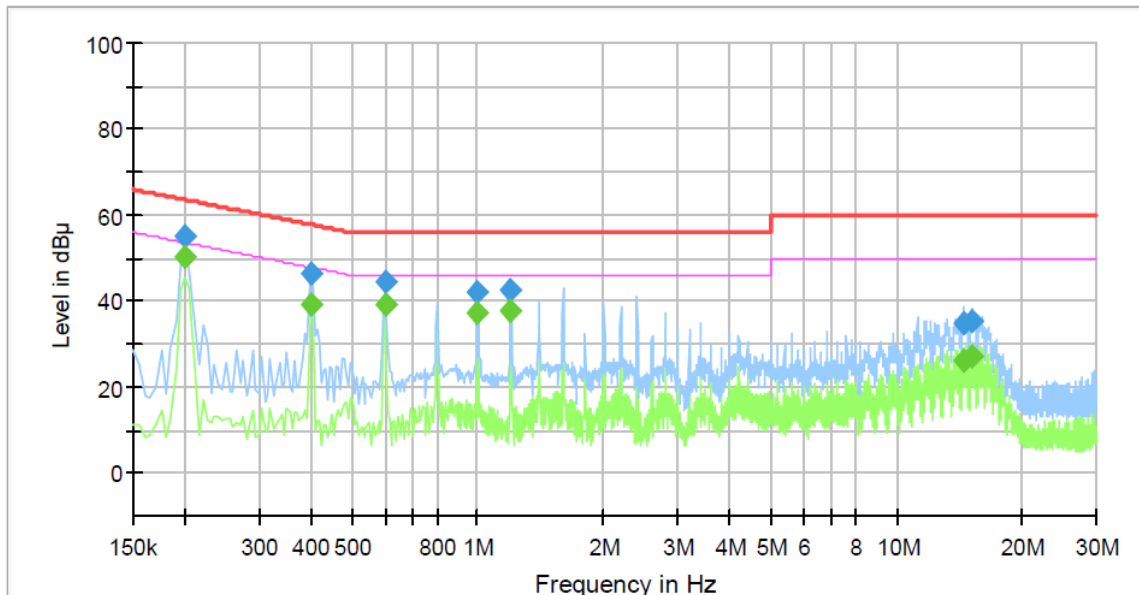
### Conducted Emissions at Mains Power Ports

■ 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

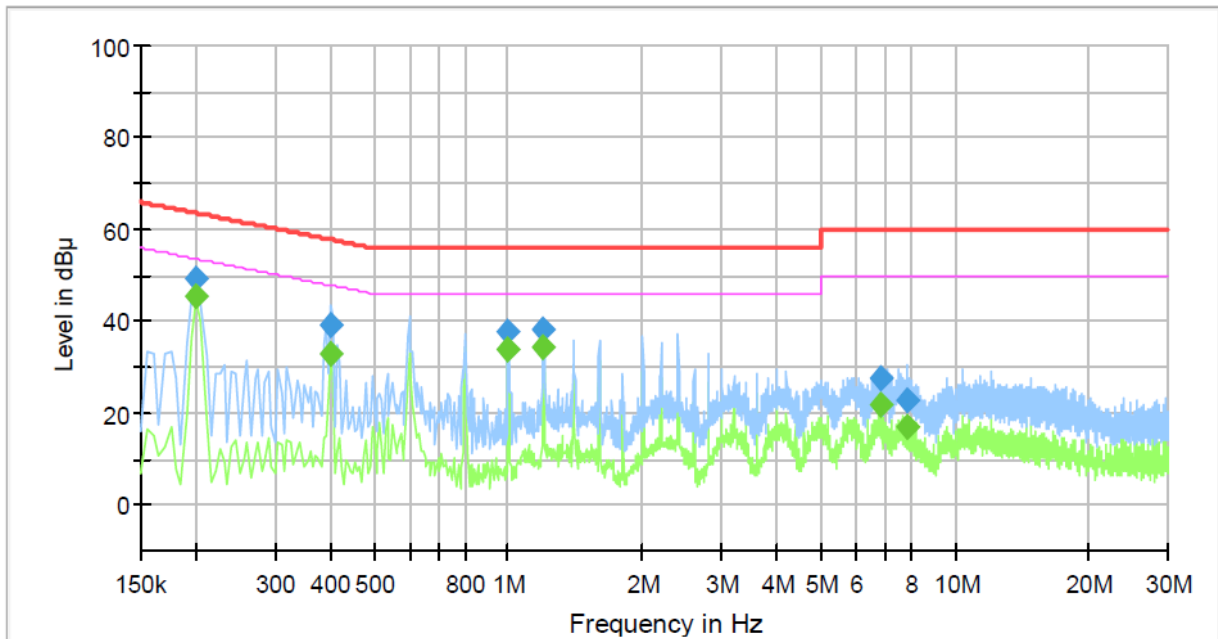
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	55.14	---	63.61	8.47	1000.0	9.000	L1	19.4
0.200000	---	50.25	53.61	3.36	1000.0	9.000	L1	19.4
0.400000	---	39.45	47.85	8.40	1000.0	9.000	L1	19.6
0.400000	46.46	---	57.85	11.39	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:	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	---	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

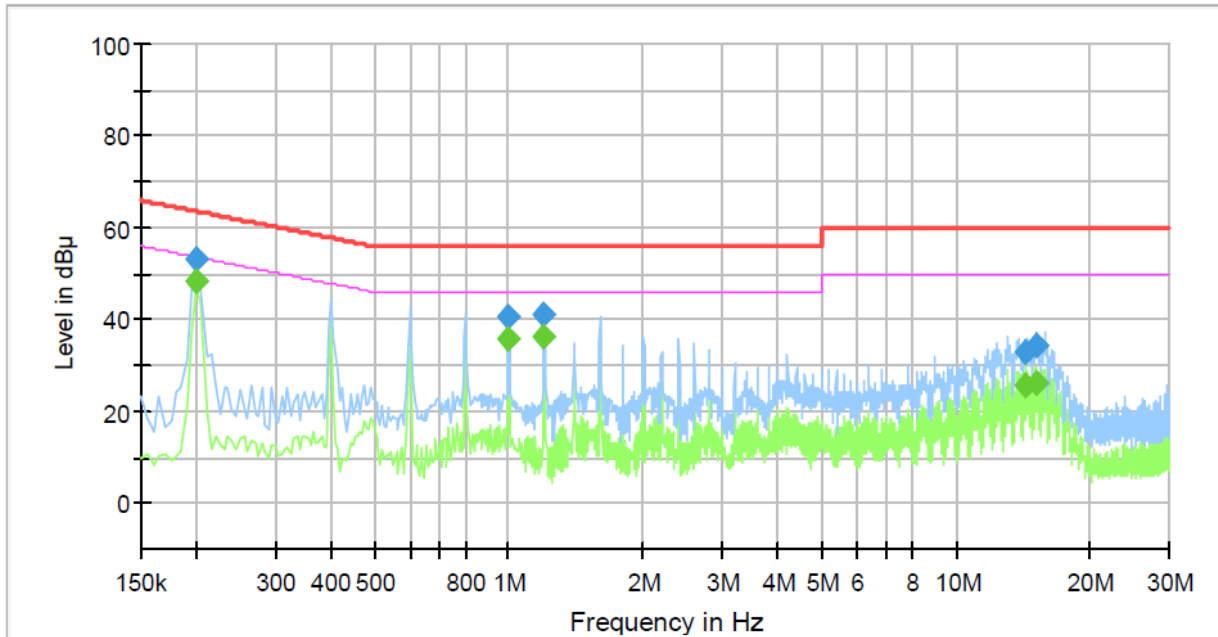
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■ Bluetooth Mode

HOT LINE

**Common Information**

Test Description:	Conducted Emission
Model No.:	ST-WPAD001
Phase:	
Mode:	FCC / Bluetooth
Operator Name:	KES



**Final Result**

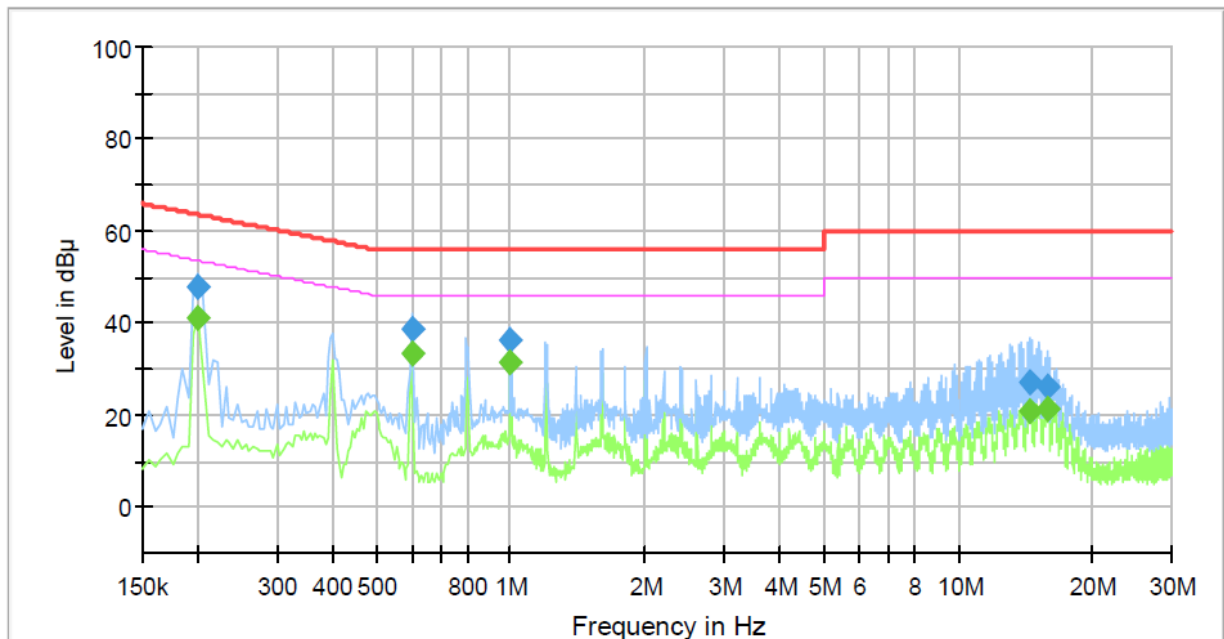
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.200000	---	48.44	53.61	5.17	1000.0	9.000	L1	19.4
0.200000	53.33	---	63.61	10.28	1000.0	9.000	L1	19.4
1.000000	---	35.82	46.00	10.18	1000.0	9.000	L1	20.0
1.000000	40.82	---	56.00	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:	Conducted Emission
Model No.:	ST-WPAD001
Phase:	
Mode:	FCC / Bluetooth
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	---	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

QuasiPeak [dBuV] / CAverage [dBuV] = Reading Value [dBuV] + 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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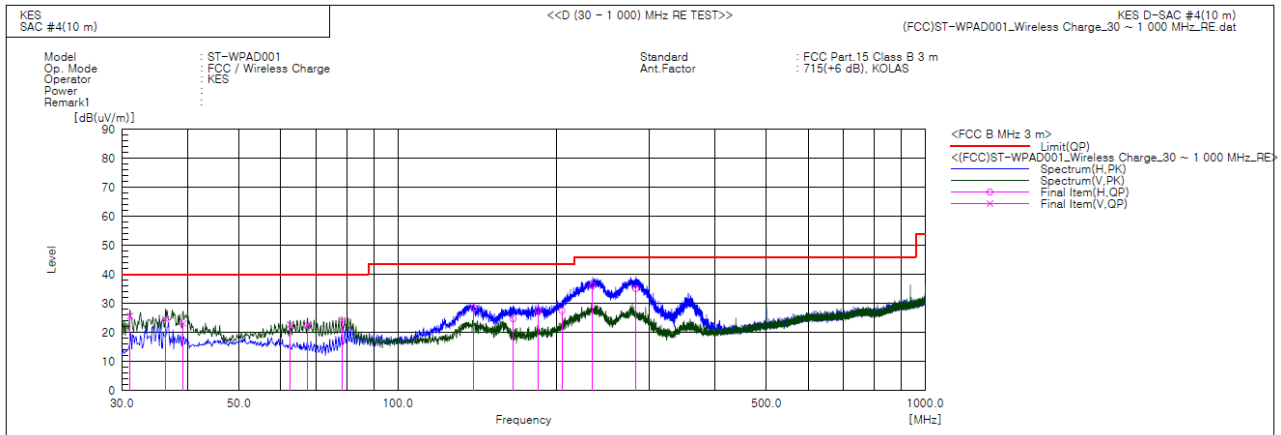
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**Radiated Electric Field Emissions(Below 1 GHz)**

■ Wireless Charge Mode



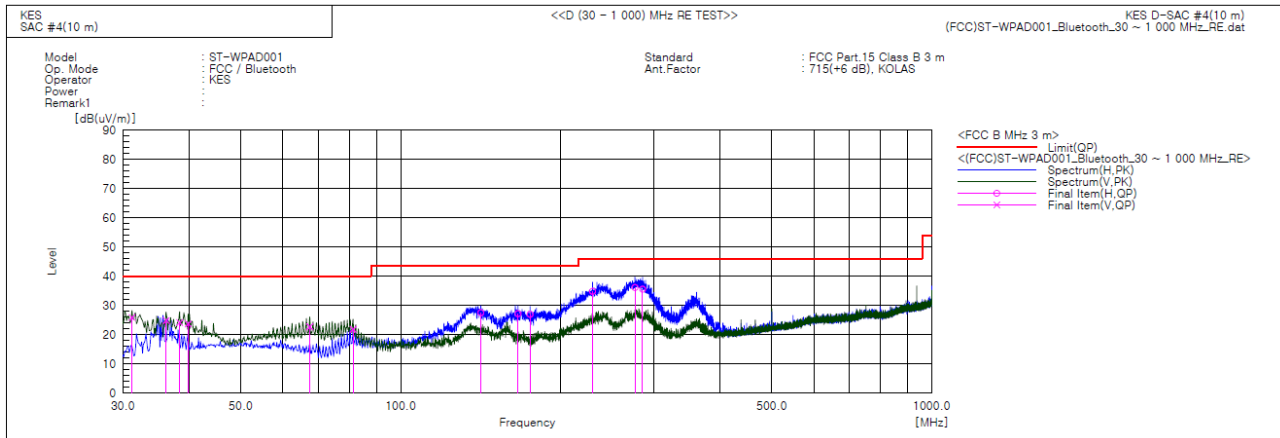
Final Result

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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■ 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(μV/m)] = (Reading(QP)[dB(μV)] + c.f[dB(1/m)])

Margin(QP)[dB] = Limit[dB(μV/m)] – Result(QP) [dB(μV/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

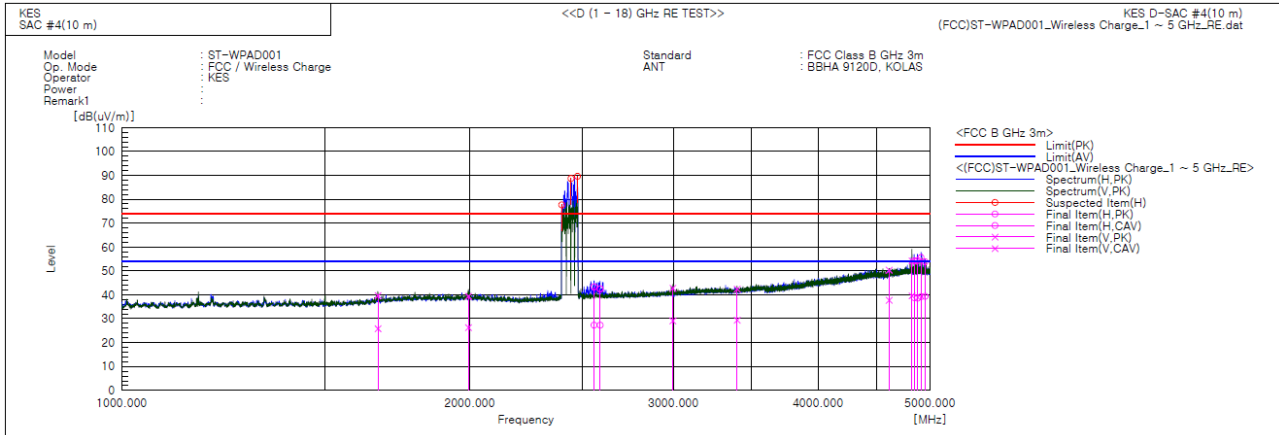
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## Radiated Electric Field Emissions(Above 1 GHz)

### ■ 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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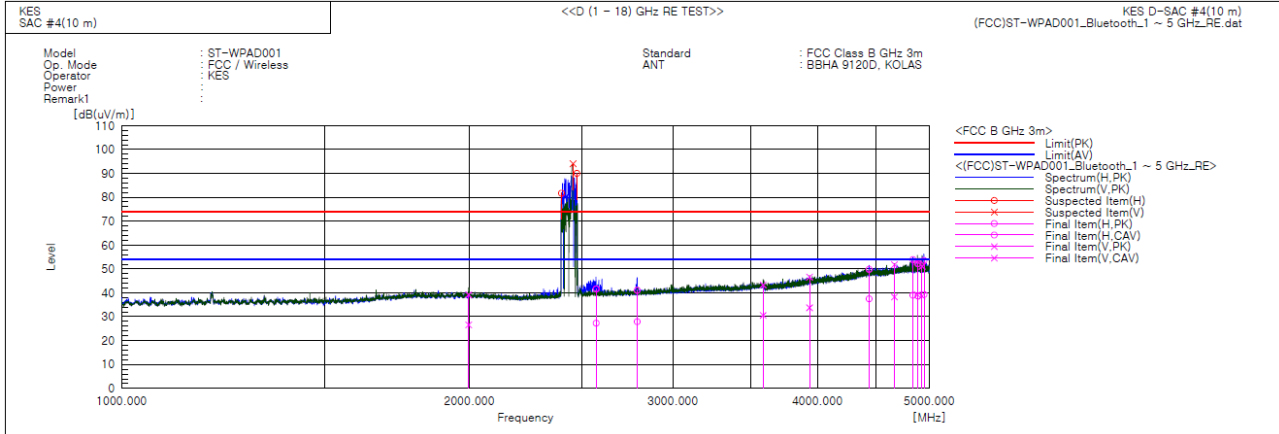
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■ Bluetooth Mode

- (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	

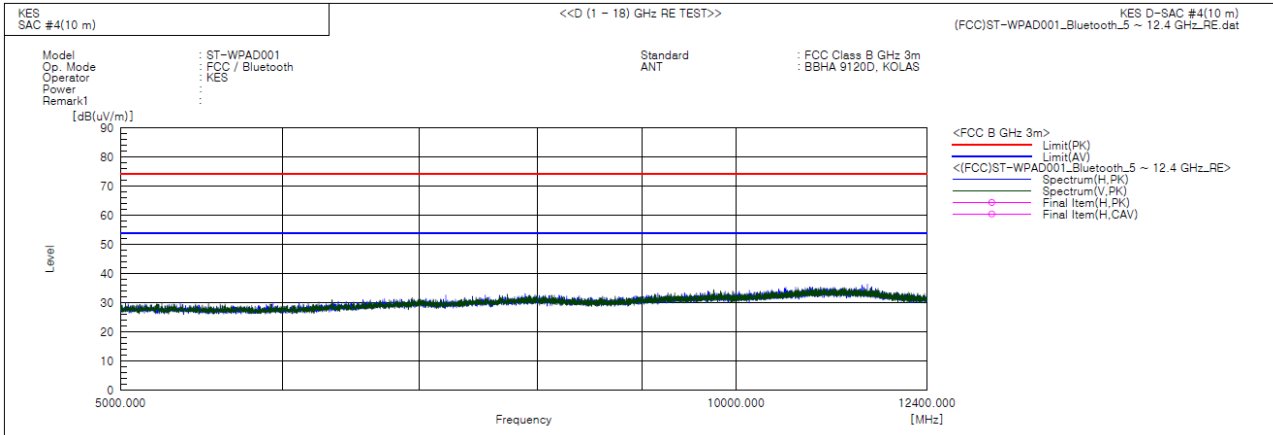
\* Mode Exclusion bands  
 - Fundamental Frequency : 2.4 GHz

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- (5 ~ 12.4) GHz



\* No Spurious emission were detected above 5 GHz.

◆ Calculation

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

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

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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