

Report No.: FR2D0208-01H



# FCC RADIO TEST REPORT

FCC ID : A4RGKWS6

Equipment : Phone Model Name : GKWS6

Applicant : Google LLC

1600 Amphitheatre Parkway,

Mountain View, California, 94043 USA

Standard : FCC Part 15 Subpart C §15.209

The product was received on Feb. 06, 2023 and testing was performed from Apr. 09, 2023 to May 17, 2023. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

TEL: 886-3-327-3456

FAX: 886-3-328-4978

Report Template No.: BU5-FR15C Version 2.4

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Issue Date : Aug. 24, 2023

Report Version : 02

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# History of this test report

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Report No.	Version	Description	Issue Date
FR2D0208-01H	01	Initial issue of report	Jun. 29, 2023
FR2D0208-01H 02		Revise Section 1.2  This report is an updated version, replacing the report issued on Jun. 29, 2023.	Aug. 24, 2023

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## **Summary of Test Result**

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.207	AC Power Line Conducted Emissions	Pass	14.34 dB under the limit at 1.39MHz
3.2	15.215(c)	20dB Spectrum Bandwidth	Reporting only	-
3.2	2.1049	99% OBW Spectrum Bandwidth	Reporting only	-
2.2	45.000	Field Strength of Fundamental Emissions	Pass	Max level -18.03 dBµV/m at 0.148 MHz
3.3	15.209	Radiated Spurious Emissions	Pass	6.14 dB under the limit at 30.00MHz
3.4	15.203	Antenna Requirements	Pass	-

#### **Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the
  regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who
  shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken
  into account.
- 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

#### Disclaimer

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: William Chen Report Producer: Doris Chen

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# 1. General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature			
Equipment	Phone		
FCC ID	A4RGKWS6		
Model Name	GKWS6		
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/GNSS/WPT WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 WLAN 11be EHT20/EHT40/EHT80/EHT160 Bluetooth BR/EDR/LE/HR		

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**Remark:** The above EUT's information was declared by manufacturer.

EUT Information List		
S/N	Performed Test Item	
33141FDJH0007L	RF Near Field	
33141FDJH0007L	Radiated Spurious Emissions	
31131FDJH00032	Conducted Emission	

# 1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard			
<b>Transmitter Frequency Range</b> 110.1 kHz ~ 148.5 kHz			
99%OBW	0.648 kHz		
Antenna Type	Coil Antenna		
Type of Modulation	ASK		

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.3 Modification of EUT

No modifications made to the EUT during the testing.

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## 1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory			
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978			
Test Site No.	Sporton Site No.			
rest one no.	TH03-HY	CO05-HY	03CH07-HY	
Test Engineer	Eric Wu Calvin Wang Stan Hsieh			
Temperature (°C)	22.2~24.2 23~26 23.6~2		23.6~24.5	
Relative Humidity (%)	34.9-36.9 45~55 56.7~58.1			

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Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190

## 1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.209
- FCC KDB 414788 D01 Radiated Test Site v01r01
- ANSI C63.10-2013

#### Remark:

- 1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.

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## 2. Test Configuration of Equipment Under Test

## 2.1 Descriptions of Test Mode

Investigation has been done on all the possible configurations.

The following table is a list of the test modes shown in this test report.

Test Items			
AC Power Line Conducted Emissions	20dB Spectrum Bandwidth		
Field Strength of Fundamental Emissions			
Radiated Emissions 9kHz~30MHz	Radiated Emissions 30MHz~1GHz		

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The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), Accessory (Adapter or Earphone) and three receiving antenna orientations (parallel, perpendicular, and ground-parallel) for Loop Antenna, and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

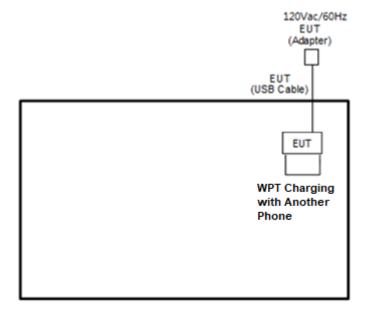
Test Cases				
Radiated				
Spurious	Mode 1: WPT Charging with Another Phone; Battery 50%			
Emission				
AC				
Conducted	Mode 1 : WPT Charging with Another Phone + USB Cable 1 (Charging from Adapter 2)			
Emission				
Remark: For Radiated Test Cases, the tests were performed with AC Adapter 1 and USB Cable 1.				

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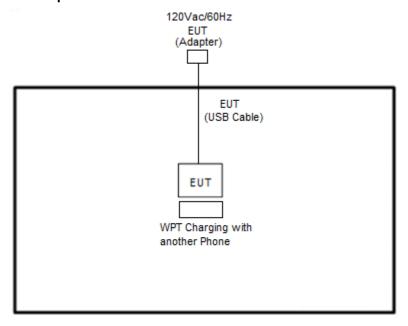


## 2.2 Connection Diagram of Test System

#### <AC Conducted Emission Mode>



#### <WPT Mode with Adapter Mode>



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# 2.3 Support Unit used in test configuration and system

ltem	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Phone	Google	N/A	N/A	N/A	N/A

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# 2.4 EUT Operation Test Setup

The Wireless Charging with another phone via wireless power transfer function.

### 3. Test Results

#### 3.1 AC Power Line Conducted Emissions Measurement

#### 3.1.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

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Frequency of Emission	Conducted Limit (dBµV)	
(MHz)	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

<sup>\*</sup>Decreases with the logarithm of the frequency.

### 3.1.2 Measuring Instruments

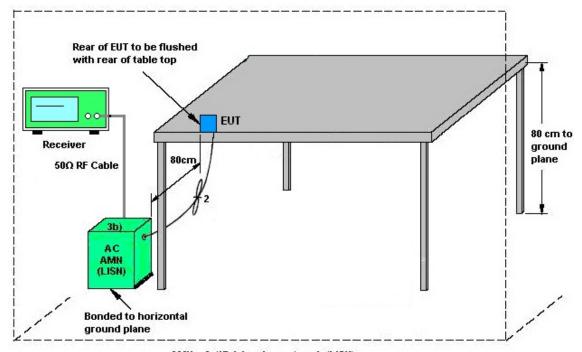
Please refer to the measuring equipment list in this test report.

#### 3.1.3 Test Procedures

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

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## 3.1.4 Test setup



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AMN = Artificial mains network (LISN) AE = Associated equipment EUT = Equipment under test

ISN = Impedance stabilization network

### 3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

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## 3.2 20dB and 99% OBW Spectrum Bandwidth Measurement

#### 3.2.1 Limit

Reporting only

#### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

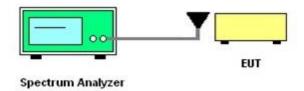
#### 3.2.3 Test Procedures

 The spectrum analyzer connected via a receive antenna placed near the EUT in peak Max hold mode.

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- 2. The resolution bandwidth of 300 Hz and the video bandwidth of 1kHz were used.
- 3. Measured the spectrum width with power higher than 20dB below carrier.
- 4. Measured the 99% OBW.

### 3.2.4 Test Setup



### 3.2.5 Test Result of RF Near Field Test Items

Please refer to Appendix B.

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#### 3.3 Radiated Emissions Measurement

#### 3.3.1 Limit

The field strength of any emissions which appear band shall not exceed the general radiated emissions limits.

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Frequencies	Field Strength	Measurement Distance
(MHz)	(μV/m)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.3.3 Measuring Instrument Setting

The following table is the setting of receiver:

Receiver Parameter	Setting
Attenuation	Auto
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

**Note:** The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz and 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

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#### 3.3.4 Test Procedures

 Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

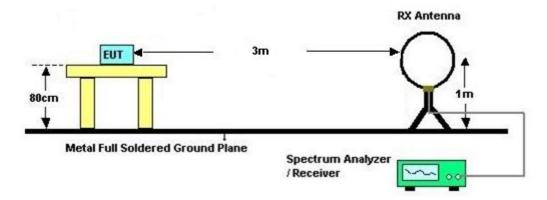
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- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters
  above ground to find the maximum emissions field strength of both horizontal and vertical
  polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver.
- 8. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".

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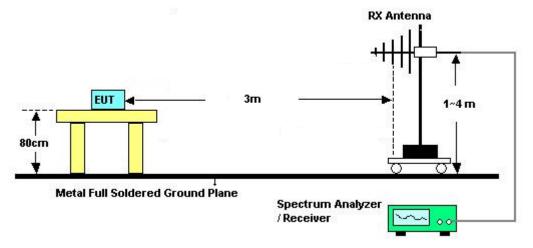
#### 3.3.5 Test Setup

#### For radiated emissions below 30MHz



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#### For radiated emissions above 30MHz



#### 3.3.6 Test Result of Radiated Emissions Measurement

Please refer to Appendix C.

#### Remark:

- There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.
- According to C63.10 radiated test, the EUT pre-scanned horizontal, vertical, and ground-parallel three polarization's, the worst case is horizontal & vertical polarization, test data of two mode was reported.

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## 3.4 Antenna Requirements

### 3.4.1 Standard Applicable

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

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The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### 3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

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# 4. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 13, 2023	Apr. 09, 2023	Feb. 12, 2024	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Apr. 09, 2023	Apr. 23, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Apr. 09, 2023	Oct. 02, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz~18GHz	Feb. 22, 2023	Apr. 09, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz~18GHz	Feb. 22, 2023	Apr. 09, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz~18GHz	Feb. 22, 2023	Apr. 09, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Apr. 09, 2023	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Apr. 09, 2023	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Apr. 09, 2023	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Apr. 09, 2023	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Apr. 09, 2023	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	Apr. 09, 2023	Mar. 13, 2024	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Apr. 09, 2023	Sep. 19, 2023	Radiation (03CH07-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	May 17, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	May 17, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	May 17, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	May 17, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	May 17, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	May 17, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	May 17, 2023	Dec. 28, 2023	Conduction (CO05-HY)

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Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Apr. 19, 2023	Nov. 16, 2023	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & FSP30 10132		101329	101329 9kHz~30GHz Se		Apr. 19, 2023	Sep. 26, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40°C~90°C	Sep. 07, 2022	Apr. 19, 2023	Sep. 06, 2023	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~4A	Sep. 29, 2022	Apr. 19, 2023	Sep 28, 2023	Conducted (TH03-HY)
Coupling loop antenna	EMCI	LF R 400	02-1641	100 kHz up to 50 MHz	Apr. 25, 2022	Apr. 19, 2023	Apr. 24, 2023	Conducted (TH03-HY)

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# 5. Measurement Uncertainty

### **Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)**

Measuring Uncertainty for a Level of Confidence	3.5 dB
of 95% (U = 2Uc(y))	3.5 dB

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### <u>Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)</u>

Measuring Uncertainty for a Level of Confidence	2 0 AD
of 95% (U = 2Uc(y))	3.8 dB

#### **Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

Measuring Uncertainty for a Level of Confidence	CEAD
of 95% (U = 2Uc(y))	6.5 dB

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# **Appendix A. Test Results of Conducted Emission Test**

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## **EUT Information**

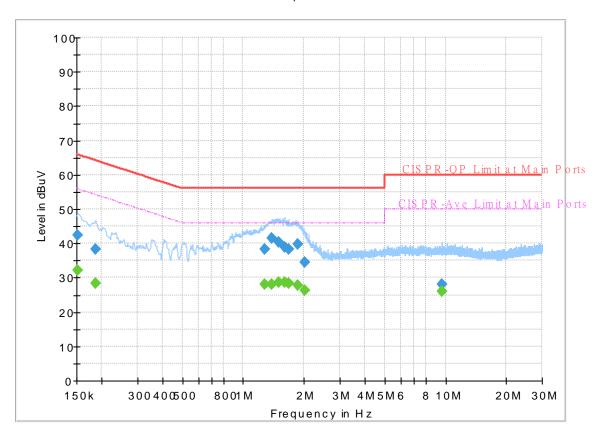
 Report NO :
 2D0208-01

 Test Mode :
 Mode 1

 Test Voltage :
 120Vac/60Hz

Phase: Line

#### FullSpectrum



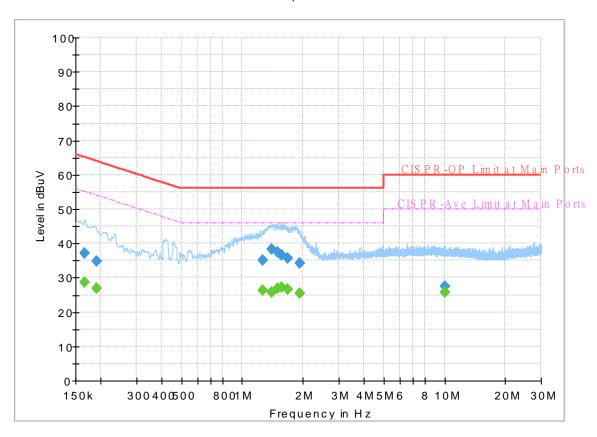
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	(ubuv)	32.27	55.88	23.61	L1	OFF	19.9
0.152250	42.30		65.88	23.58	L1	OFF	19.9
0.186000		28.38	54.21	25.83	L1	OFF	19.9
0.186000	38.37		64.21	25.84	L1	OFF	19.9
1.277250		27.93	46.00	18.07	L1	OFF	19.9
1.277250	38.39		56.00	17.61	L1	OFF	19.9
1.389750		28.18	46.00	17.82	L1	OFF	19.9
1.389750	41.66	-	56.00	14.34	L1	OFF	19.9
1.502250		28.54	46.00	17.46	L1	OFF	19.9
1.502250	40.40		56.00	15.60	L1	OFF	19.9
1.605750		28.71	46.00	17.29	L1	OFF	19.9
1.605750	38.99		56.00	17.01	L1	OFF	19.9
1.686750		28.32	46.00	17.68	L1	OFF	19.9
1.686750	38.40		56.00	17.60	L1	OFF	19.9
1.869000		27.74	46.00	18.26	L1	OFF	19.9
1.869000	39.79		56.00	16.21	L1	OFF	19.9
2.006250		26.38	46.00	19.62	L1	OFF	19.9
2.006250	34.38		56.00	21.62	L1	OFF	19.9
9.595500		26.16	50.00	23.84	L1	OFF	20.2
9.595500	28.00		60.00	32.00	L1	OFF	20.2

## **EUT Information**

Report NO: 2D0208-01
Test Mode: Mode 1
Test Voltage: 120Vac/60Hz
Phase: Neutral

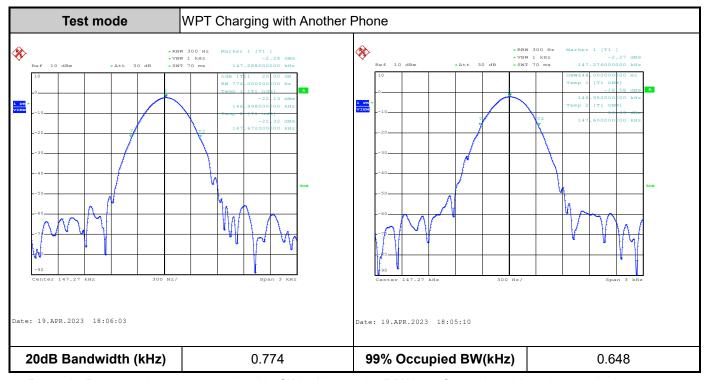
FullSpectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	(uzur)	28.59	55.17	26.58	N	OFF	19.9
0.165750	36.99		65.17	28.18	N	OFF	19.9
0.190500		26.94	54.02	27.08	N	OFF	19.9
0.190500	34.92	-	64.02	29.10	N	OFF	19.9
1.268250		26.29	46.00	19.71	N	OFF	19.9
1.268250	35.00		56.00	21.00	N	OFF	19.9
1.392000		25.87	46.00	20.13	N	OFF	19.9
1.392000	38.25		56.00	17.75	N	OFF	19.9
1.491000		26.91	46.00	19.09	N	OFF	19.9
1.491000	37.42		56.00	18.58	N	OFF	19.9
1.574250		27.18	46.00	18.82	N	OFF	19.9
1.574250	36.55		56.00	19.45	N	OFF	19.9
1.673250		26.66	46.00	19.34	N	OFF	19.9
1.673250	35.67		56.00	20.33	N	OFF	19.9
1.920750		25.51	46.00	20.49	N	OFF	19.9
1.920750	34.34	-	56.00	21.66	N	OFF	19.9
10.011750		25.81	50.00	24.19	N	OFF	20.3
10.011750	27.49		60.00	32.51	N	OFF	20.3

# Appendix B. Test Results of RF Near Field Test Items



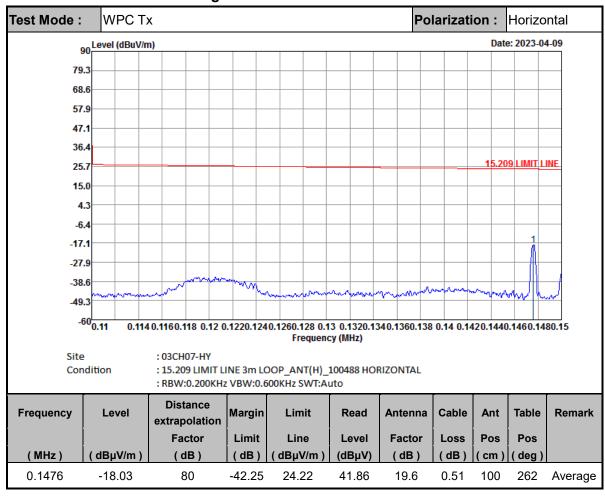
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**Remark:** Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

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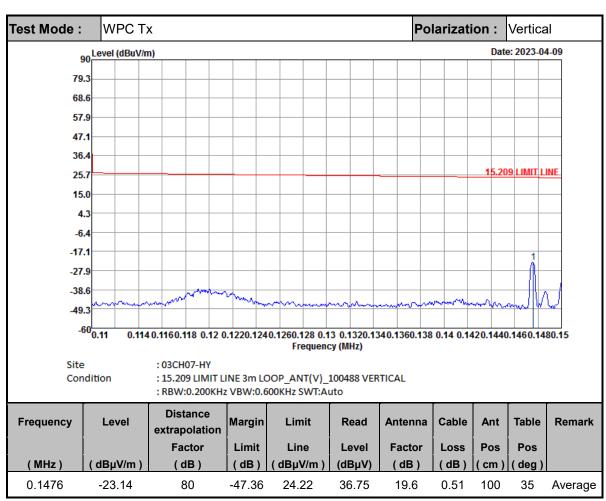
# **Appendix C. Test Results of Radiated Test Items**

#### C1. Test Result of Field Strength of Fundamental Emissions



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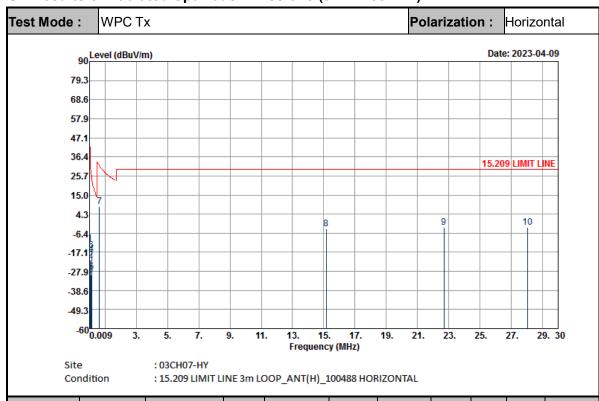
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#### Note:

- 1. Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- 2. Level= Read Level + Antenna Factor + Cable loss distance extrapolation factor.

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## C2. Results of Radiated Spurious Emissions (9 kHz~30MHz)

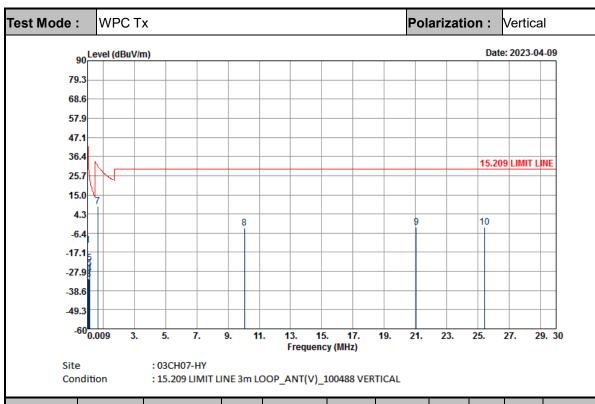


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F	requency	Level	Distance extrapolation	Margin	Limit	Read	Antenna	Cable	Ant	Table	Remark
			Factor	Limit	Line	Level	Factor	Loss	Pos	Pos	
	(MHz)	( dBµV/m )	( dB )	(dB)	( dBµV/m )	(dBµV)	( dB )	(dB)	( cm )	(deg)	
	0.0192	-12.24	80	-54.18	41.94	47.43	19.82	0.51	-	-	Average
	0.0663	-21.52	80	-52.69	31.17	38.27	19.7	0.51	-	-	Average
	0.09788	-29.89	80	-57.68	27.79	29.98	19.62	0.51	-	-	QP
	0.1476	-18.03	80	-42.25	24.22	41.86	19.6	0.51	-	-	Average
	0.14848	-28.26	80	-52.43	24.17	31.63	19.6	0.51	-	-	Average
	0.15	-16.33	80	-40.41	24.08	43.56	19.6	0.51	-	-	Average
	0.64771	8.56	40	-22.82	31.38	28.55	19.5	0.51	-	-	QP
	15.168	-3.87	40	-33.37	29.5	16.22	19.4	0.51	-	-	QP
	22.687	-3.21	40	-32.71	29.5	15.46	19.97	1.36	-	-	QP
	28.05	-3.32	40	-32.82	29.5	15.13	20.19	1.36	-	-	QP

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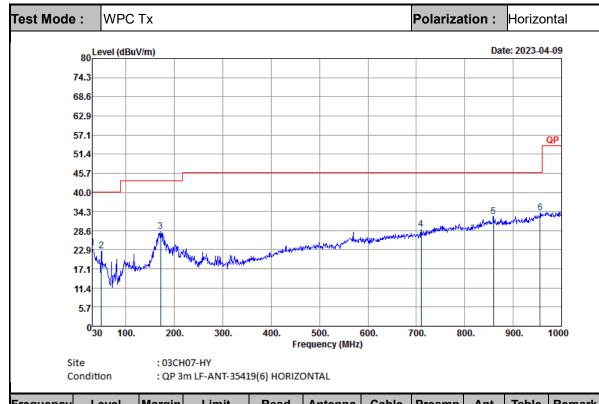
Frequency	Level	Distance extrapolation	Margin	Limit	Read	Antenna	Cable	Ant	Table	Remark
		Factor	Limit	Line	Level	Factor	Loss	Pos	Pos	
(MHz)	( dBµV/m )	( dB )	(dB)	( dBµV/m )	(dBµV)	( dB )	(dB)	( cm )	(deg)	
0.01925	-13.08	80	-55	41.92	46.6	19.81	0.51	-	-	Average
0.06216	-31.5	80	-63.23	31.73	28.29	19.7	0.51	-	-	Average
0.09946	-32.24	80	-59.89	27.65	27.64	19.61	0.51	-	-	QP
0.14116	-29.11	80	-53.72	24.61	30.78	19.6	0.51	-	-	Average
0.1476	-23.14	80	-47.36	24.22	36.75	19.6	0.51	-	-	Average
0.15068	-26.11	80	-50.15	24.04	33.78	19.6	0.51	-	-	Average
0.65522	8.49	40	-22.79	31.28	28.48	19.5	0.51	-	-	QP
10.064	-3.63	40	-33.13	29.5	16.46	19.4	0.51	-	-	QP
21.049	-3.37	40	-32.87	29.5	15.47	19.8	1.36	-	-	QP
25.435	-3.3	40	-32.8	29.5	15.2	20.14	1.36	-	-	QP

#### Note:

- 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 2. Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- 3. Level= Read Level + Antenna Factor + Cable loss distance extrapolation factor.

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## C3. Results of Radiated Spurious Emissions (30MHz~1GHz)

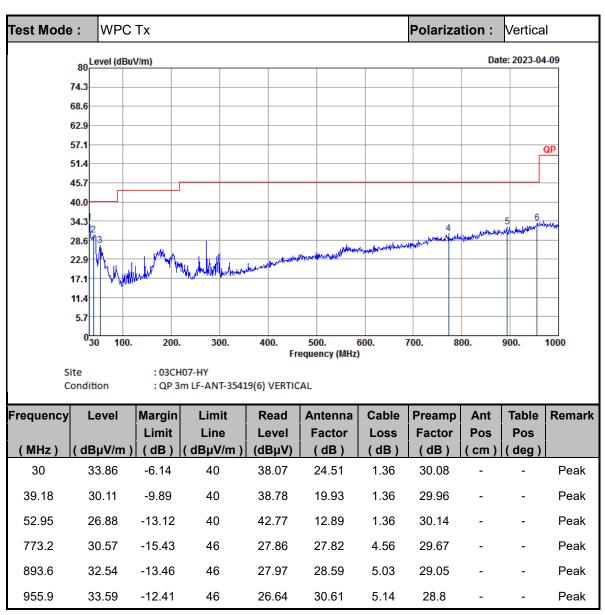


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Frequency	Level	Margin	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	(dB)	(dB)	( dB )	( cm )	(deg)	
30	23.49	-16.51	40	27.7	24.51	1.36	30.08	-	-	Peak
48.63	22.43	-17.57	40	36.21	14.97	1.36	30.11	-	-	Peak
171.21	28.24	-15.26	43.5	40.64	15.41	2.18	29.99	-	-	Peak
709.5	29.02	-16.98	46	27.9	26.28	4.48	29.64	-	-	Peak
859.3	32.85	-13.15	46	28.32	28.91	4.86	29.24	-	-	Peak
955.9	33.8	-12.2	46	26.85	30.61	5.14	28.8	-	-	Peak

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#### Note:

- 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 2. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m).
- 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor= Level.

———THE END———

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