TEST REPORT

Applicant: Sony Corporation

EUT Description: GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, NFC and GNSS

Brand: Sony

FCC ID: PY7-73716J

Standards: FCC 47 CFR Part 15 Subpart B

Date of Receipt: 2023/11/14

Date of Test: 2023/11/14 to 2024/02/20

Date of Issue: 2024/03/01

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.





Huang Kun Approved By:

Chen Chengfu Reviewed By:





Revision History

Rev.	Issue Date	Description	Revised by
01	2024/03/01	Original	Ou Shuyan





Summary of Test Results

Clause	Test Items	Test Items Test Standard					
4.1	AC Conducted Emissions	§15.107	PASS				
4.2	Radiated Emissions	§15.109	PASS				
Test Meth	Test Method: ANSI C63.4-2014						
Remark: P	ass is EUT meets standard requirements.						



Table of Contents

1	Gen	eral De	scription	5
	1.1	La	b Information	5
		1.1.1	Testing Location	5
		1.1.2	Test Facility / Accreditations	5
	1.2	Cli	ent Information	5
		1.2.1	Applicant	5
		1.2.2	Manufacturer	5
	1.3	Ge	neral Description of EUT	6
2	Test	Config	guration During Test	7
	2.1	Su	pport Unit used in test	7
	2.2	Ac	cessory	7
	2.3	Te	st Environment	7
	2.4	Мо	odifications	7
	2.5	EU	IT Test Mode	8
3	Equi	pment	and Measurement Uncertainty	9
	3.1		st Equipment List	
	3.2	Me	easurement Uncertainty	9
4	Test		!s	
	4.1	AC	Conducted Emissions	10
	4.2	Ra	diated Emissions	16
	4.3	Te	st Setup Photos	26



Page 5 / 26

Report No.: TCWA23110003407

General Description

1.1 Lab Information

1.1.1 **Testing Location**

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014 Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 **Test Facility / Accreditations**

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing

laboratory.

CAB identifier: CN0152 Company Number: 31000

1.2 Client Information

1.2.1 **Applicant**

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

1.2.2 Manufacturer

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





1.3 General Description of EUT

EUT Description:	GSM/WCDMA/LTE Phone	GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, NFC and GNSS					
Brand:	Sony	Sony					
Hardware Version:	A						
Software Version:	1.78						
SN.:	HQ63B10532						
	Frequency Bands:	Tx Frequency Bands:	Rx Frequency Bands:				
	GSM850	824~849	869~894				
	GSM1900	1850~1910	1930~1990				
	WCDMA Band IV	1710~1755	2110~2155				
	WCDMA Band V	824~849	869~894				
	LTE Band 4	1710~1755	2110~2155				
	LTE Band 5	824~849	869~894				
Frequency Bands:	LTE Band 12	699~716	729~746				
	LTE Band 41	2496~2690	2496~2690				
	Bluetooth	2402~2480	2402~2480				
	Wi-Fi 2.4G	2412~2462	2412~2462				
	Wi-Fi 5G	5150~5850	5150~5850				
	NFC	13.56	13.56				
	GNSS (GPS+Glonass + Galileo + Beidou)	/	1559~1610				

Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description.



Page 7 / 26

Report No.: TCWA23110003407

2 Test Configuration During Test

2.1 Support Unit used in test

Description	Manufacturer	Model	Serial Number			
Laptop	DELL	Latitude 5520	C196418CAB1C			
Remark: *the information is provided by applicant.						

2.2 Accessory

Name	Model	Length (cm)	Shielded (Y/N)	Manufacturer
Adapter	XQZ-UC1	/	/	Sony Corporation
USB Cable 1	XQZ-UB1	100	Υ	Sony Corporation
USB Cable 2	UCB20	100	Υ	Sony Corporation
Earphone	MDR-EX15AP	125	1	Sony Corporation

2.3 Test Environment

Temperature:	Normal: 15°C ~ 35°C			
Humidity:	40-75 % RH Ambient			
Test Voltage:	AC 120V/60Hz			
Pamark: The testing environment is within the scope of the ELIT user manual and mosts the requirements of				

Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment.

2.4 Modifications

No modifications were made during testing.





2.5 EUT Test Mode

Test Items	Test mode
AC Conducted Emissions	Mode1: Charging(Adapter) + Camera(Rear) + Earphone
	Mode2: Charging(Adapter) + Camera(Front) + Earphone
	Mode3: Charging(Adapter) + MP4 Playing + Earphone(worst case for JBP)
	Mode4: USB data communication with PC + Earphone
	Mode5: Charging(Adapter) + GSM 850 idle + Earphone
	Mode6: Charging(Adapter) + WCDMA Band V RX + Earphone(worst case for CXX)
	Mode7: Charging(Adapter) + LTE Band 5 RX + Earphone
	Mode8: Charging(Adapter) + LTE Band 12 RX + Earphone
	Mode9: Charging(Adapter) + Earphone + BT + Wi-Fi + NFC On + GNSS RX
Radiated Emissions	Mode1: Charging(Adapter) + Camera(Rear) + Earphone
	Mode2: Charging(Adapter) + Camera(Front) + Earphone
	Mode3: Charging(Adapter) + MP4 Playing + Earphone(worst case for JBP)
	Mode4: USB data communication with PC + Earphone
	Mode5: Charging(Adapter) + GSM 850 idle + Earphone
	Mode6: Charging(Adapter) + WCDMA Band V RX + Earphone
	Mode7: Charging(Adapter) + LTE Band 5 RX + Earphone(worst case for CXX)
	Mode8: Charging(Adapter) + LTE Band 12 RX + Earphone
	Mode9: Charging(Adapter) + Earphone + BT + Wi-Fi + NFC On + GNSS RX
NOTE	All modes of operation were investigated, and only the worst case emissions are reported.







3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

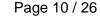
Radiated Emission						
Description	Manufacturer	Model	S.N.	Last Due	Cal Due	
Biconic Logarithmic Periodic Antennas	Schwarzbeck	VULB9163	1643	2023/06/25	2025/06/24	
Double-Ridged Horn Antennas	Schwarzbeck	BBHA 9120D	2809	2023/06/25	2025/06/24	
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2025/06/24	
Signal Analyzer	Keysight	N9020A	MY49100252	2023/04/08	2024/04/07	
EMI Tester Receiver	Rohde & Schwarz	ESR7	102719	2023/08/17	2024/08/16	
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	150645	2023/04/08	2024/04/07	
Low Noise Amplifier	Tonscend	TAP9K3G40	AP23A8060273	2023/04/08	2024/04/07	
Low Noise Amplifier	Tonscend	TAP01018050	AP22G806258	2023/04/08	2024/04/07	
Band Reject Filter Group	Townshend	JS0806-F	23A806F0652	N/A	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A	

Conducted Emission							
Description	Description Manufacturer Model S.N. Last Due Cal Due						
EMI Tester Receiver	Rohde & Schwarz	ESR3	103108	2023/07/28	2024/07/27		
LISN	Rohde & Schwarz	ENV 216	102836	2023/04/08	2024/04/07		
Test software	Rohde & Schwarz	ELEKTRA v4.61	N/A	N/A	N/A		

3.2 Measurement Uncertainty

Parameter	U _{lab}
Conducted Emissions(150KHz~30MHz)	2.43dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHHz)	5.42dB
Radiated Emissions(18GHz~40GHHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%





4 Test Results

4.1 AC Conducted Emissions

Limits

Fraguency range (MHz)	Limit (dl	ΒμV)
Frequency range (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
* Decreases with the logarithm of t	he frequency.	

Test Procedure

ANSI C63.4-2014.

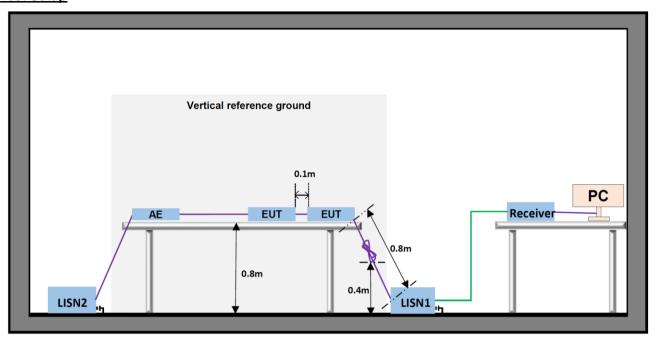
Test Settings

- 1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 4. Set the test-receiver system to Peak detect function and specified bandwidth (if bandwidth =9kHz) with maximum hod mode. Then measurement is also conducted by average detector and Quasi-Peak detector function respectively.
- 5. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement.



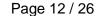


Test Setup



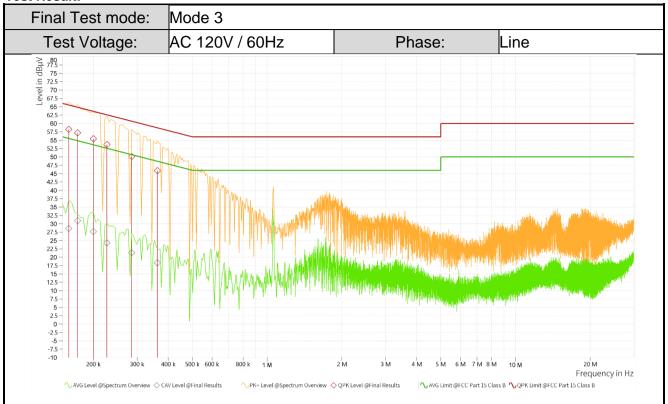
Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.



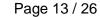


Test Result:

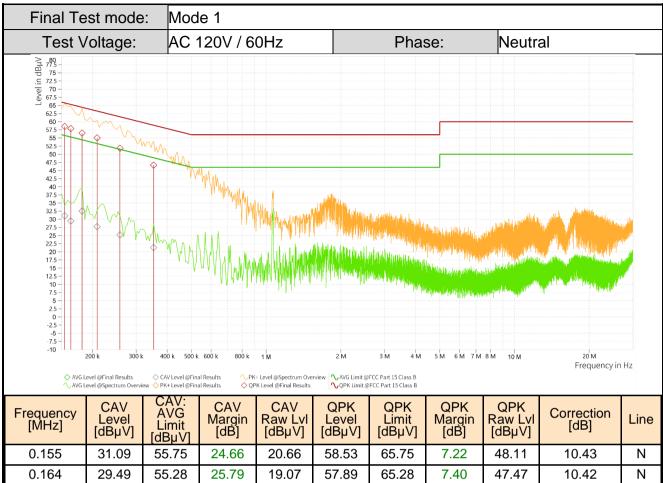


Frequency [MHz]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	CAV Raw Lvl [dBµV]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	QPK Raw Lvl [dBµV]	Correction [dB]	Line
0.159	28.58	55.52	26.94	18.10	58.23	65.52	7.28	47.75	10.48	L1
0.173	30.93	54.84	23.91	20.44	57.20	64.84	7.64	46.70	10.49	L1
0.200	27.69	53.63	25.94	17.20	55.42	63.63	8.21	44.93	10.49	L1
0.227	24.29	52.58	28.29	13.79	53.70	62.58	8.87	43.20	10.50	L1
0.285	21.35	50.67	29.32	10.82	50.10	60.67	10.57	39.57	10.53	L1
0.362	18.34	48.69	30.36	7.87	45.87	58.69	12.82	35.40	10.47	L1

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Level = Raw LvI [dBµV] + Correction (LISN factor[dB] + Cable loss[dB]).
- 3. Margin=Limit Level

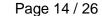




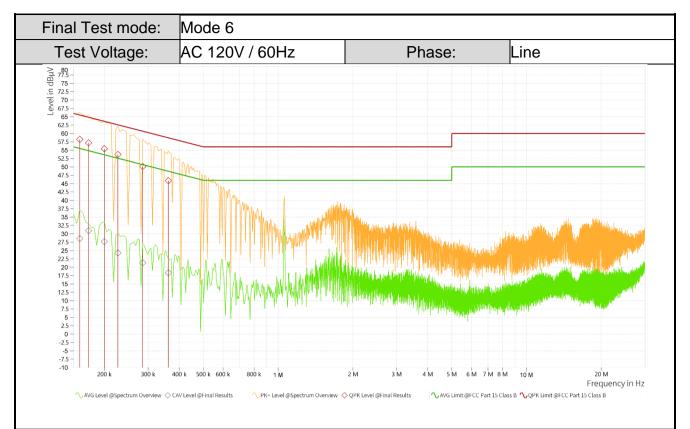


Frequency [MHz]	CAV Level [dBµV]	AVG Limit [dBµV]	CAV Margin [dB]	CAV Raw Lvl [dBµV]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	QPK Raw Lvl [dBµV]	Correction [dB]	Line
0.155	31.09	55.75	24.66	20.66	58.53	65.75	7.22	48.11	10.43	N
0.164	29.49	55.28	25.79	19.07	57.89	65.28	7.40	47.47	10.42	N
0.182	32.57	54.42	21.85	22.15	56.50	64.42	7.92	46.09	10.41	N
0.209	27.76	53.26	25.50	17.36	55.02	63.26	8.24	44.62	10.40	N
0.258	25.23	51.50	26.27	14.83	51.84	61.50	9.66	41.44	10.40	N
0.353	21.33	48.90	27.57	10.95	46.64	58.90	12.26	36.26	10.38	N

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Level = Raw Lvl [dBµV] + Correction (LISN factor[dB] + Cable loss[dB]).
- 3. Margin=Limit Level





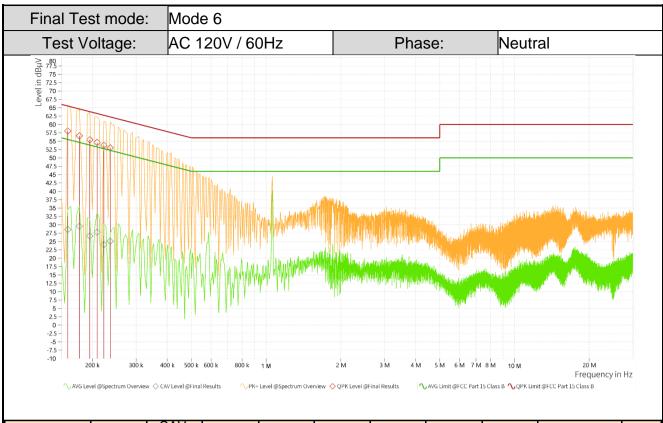


Frequency [MHz]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	CAV Raw Lvl [dBµV]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	QPK Raw Lvl [dBµV]	Correction [dB]	Line
0.159	28.58	55.52	26.94	18.10	58.23	65.52	7.28	47.75	10.48	L1
0.173	30.93	54.84	23.91	20.44	57.20	64.84	7.64	46.70	10.49	L1
0.200	27.69	53.63	25.94	17.20	55.42	63.63	8.21	44.93	10.49	L1
0.227	24.29	52.58	28.29	13.79	53.70	62.58	8.87	43.20	10.50	L1
0.285	21.35	50.67	29.32	10.82	50.10	60.67	10.57	39.57	10.53	L1
0.362	18.34	48.69	30.36	7.87	45.87	58.69	12.82	35.40	10.47	L1

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Level = Raw LvI [dBµV] + Correction (LISN factor[dB] + Cable loss[dB]).
- 3. Margin=Limit Level







Frequency [MHz]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	CAV Raw Lvl [dBµV]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	QPK Raw Lvl [dBµV]	Correction [dB]	Line
0.159	28.61	55.52	26.91	18.18	58.01	65.52	7.51	47.58	10.42	N
0.177	29.54	54.63	25.09	19.12	56.60	64.63	8.02	46.18	10.42	N
0.195	26.65	53.82	27.17	16.25	55.42	63.82	8.40	45.01	10.41	N
0.209	27.81	53.26	25.46	17.41	54.64	63.26	8.62	44.24	10.40	N
0.222	24.07	52.74	28.67	13.67	53.78	62.74	8.97	43.37	10.40	N
0.236	25.11	52.25	27.15	14.70	52.99	62.25	9.26	42.58	10.41	N

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Level = Raw LvI [dBµV] + Correction (LISN factor[dB] + Cable loss[dB]).
- 3. Margin=Limit Level



Page 16 / 26

Report No.: TCWA23110003407

4.2 Radiated Emissions

Limits

Frequency	Field strength (µV/m)	Limit (dBµV/m)	Remark	Measurement distance (m)
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	74.0	Peak	2
Above 1GHz	500	54.0	Average	3

Test Procedure

ANSI C63.4:2014

Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- 2. For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
- 3. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- 4. For each suspected emission, the EUT was ranged to its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) to find the maximum reading. Preamplifier and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Exploratory radiated emissions testing of handheld and/or body-worn devices shall include0rotation of the EUT through three orthogonal axes (X/YIZ Plane) to determine the orientation(attitude) that maximizes the emissions.
- 6. For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for Quasi-peak detection measurements in the 30~1000MHz range.
- 7. For measurements above 1GHz the resolution bandwidth is set to 1MHz and the video resolution is set to 3MHz, the peak emission measurement will be measured by the peak detector, the average emission measurement will be measured by the average detector.
- 8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:

Level = Reading($dB\mu V$) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit($dB\mu V/m$) – Level($dB\mu V/m$)

- 9. Repeat above procedures until all frequencies measured was complete.
- 10. Measure and record the results in the test report.

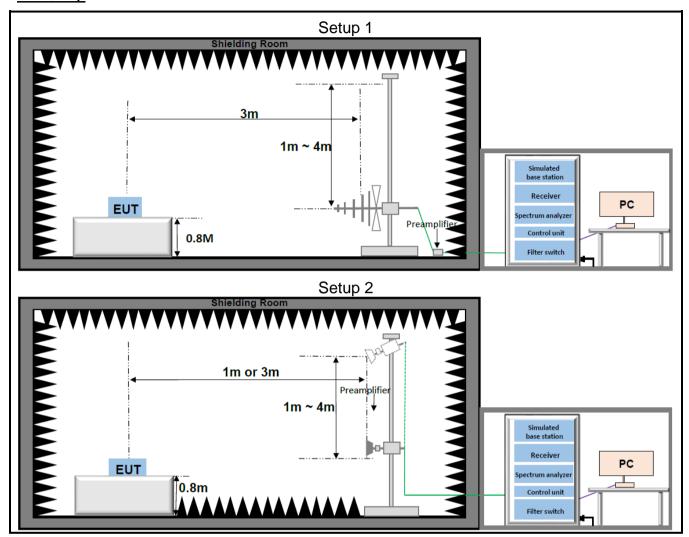
Test notes

- Radiated emissions were measured from 30MHz 40GHz to ensure that the provisions of 15.33(b)(1) are satisfied with respect to the upper frequency scanning range. No Spurious emissions were detected within 20dB of the limit above 18GHz.
- 2. The "/" shown in the following Test Result tables are used to denote a noise floor measurement.





Test Setup



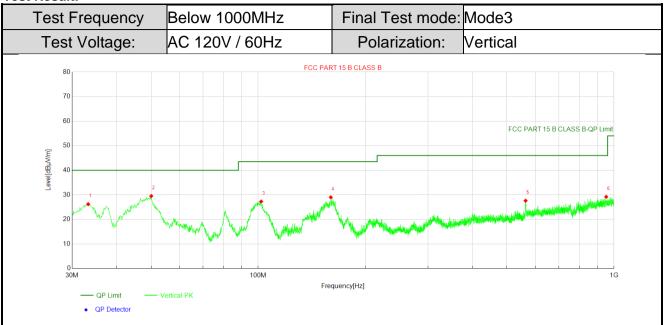
Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.





Test Result:



NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	33.298	51.53	-25.32	26.21	40.00	13.79	221	18	PK	Vertical	PASS
2	50.079	51.78	-22.28	29.50	40.00	10.50	185	150	PK	Vertical	PASS
3	101.974	50.70	-23.42	27.28	43.50	16.22	188	9	PK	Vertical	PASS
4	159.98	54.64	-25.64	29.00	43.50	14.50	283	258	PK	Vertical	PASS
5	564.276	41.62	-14.01	27.61	46.00	18.39	166	106	PK	Vertical	PASS
6	950.627	36.71	-7.54	29.17	46.00	16.83	206	136	PK	Vertical	PASS

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB_{\mu}V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB\mu V/m$) Value($dB\mu V/m$)







Test Frequency	Below 1000MHz	Final Test mode:	Mode3
Test Voltage:	AC 120V / 60Hz	Polarization:	Horizontal
80	FCC PAR	T 15 B CLASS B	
70			
60			FCC PART 15 B CLASS B-QP Limit
50 [W/\rightarrow]			
40 40 30 30	1 2	3	6
20		W. M. Market	the format of the second se
10 Mayor Harmaly with make	Janes Martin Mar		
0 30M	100M		1G
— QP Limit − • QP Detector	— Horizontal PK	quency[Hz]	

NO	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdic
1	100.131	51.15	-23.94	27.21	43.50	16.29	208	101	PK	Horizontal	PASS
2	156.973	54.22	-26.38	27.84	43.50	15.66	174	298	PK	Horizontal	PASS
3	162.599	54.23	-25.96	28.27	43.50	15.23	144	294	PK	Horizontal	PASS
4	323.813	42.75	-19.79	22.96	46.00	23.04	242	131	PK	Horizontal	PASS
5	697.36	37.70	-11.42	26.28	46.00	19.72	118	52	PK	Horizontal	PASS
6	849.068	40.46	-9.24	31.22	46.00	14.78	219	9	PK	Horizontal	PASS

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB_{\mu}V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)





t Frequency	Above 1000)MHz	Fina	al Tes	st mo	ode:	Mc	ode3
st Voltage:	AC 120V / 6	60Hz	Р	olariz	zatior	า:	Ve	rtical
100		FCC PA	RT 15 B CLASS	S B	,			
90								
80								FCC PART 15 B CLASS B-PK Limit
70								POC PART IS B CLASS B-PR LIMIT
60								FCC PART 15 B CLASS B-AV Limit 3
50								1 2
40			L. francisco di calitati		NAME OF TAXABLE PARTY.		بالورانيان بالسطانية	Market State Company of the State St
30 Ashabili ta salah sal	alanus linitatistas ett kaplantististatististat	Makedayah and Makedayah and Sandayah	الزوافر ويزعونوا والزور	A PROPERTY OF THE PERSON NAMED IN	Mark Market	MANAGEME		
20	فياديا فيستون والإثارية في فالون الديد ويستريد فورود							
10								
0 1G	2G	3G	1G	6	G	8G		18G
	st Voltage:	st Voltage: AC 120V / 6	St Voltage: AC 120V / 60Hz FCC PA 90 80 70 60 50 40 30 20 10 20 36	St Voltage: AC 120V / 60Hz FCC PART 15 B CLASS PO 100 100 100 100 100 100 100	St Voltage: AC 120V / 60Hz Polariz	St Voltage: AC 120V / 60Hz Polarization FCC PART 15 B CLASS B FCC PART 15 B CLASS B FCC PART 15 B CLASS B 20 10 10 10 20 10 20 30 40 60 60 60 60 60 60 60 60 6	St Voltage: AC 120V / 60Hz Polarization: FCC PART 15 B CLASS B FCC	St Voltage: AC 120V / 60Hz Polarization: Ve

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	12406.5	42.42	5.61	48.03	74.00	25.97	/	/	Vertical
2	14360	40.76	9.14	49.90	74.00	24.10	/	/	Vertical
3	17986	39.42	13.26	52.68	74.00	21.32	/	/	Vertical
4	13416.5	34.10	7.04	41.14	54.00	12.86	/	/	Vertical
5	15247.5	33.04	9.29	42.33	54.00	11.67	/	/	Vertical
6	17854	31.76	13.37	45.13	54.00	8.87	/	/	Vertical

Note:

1. The Peak measurements were performed on the EUT.

- AV Limit

◆ PK Detector ◆ AV Detector

Vertical PK — Vertical AV

- 2. Level = Reading($dB_{\mu}V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)





Final Test mode: Mode3

Above 1000MHz

Test Voltage:	AC 120V /	Po	larizatio	n:	Horizontal		
100		FCC P	ART 15 B CLASS E	3			
90							
80						FCC PART 15 B C	LASS B PK Limit
70						766771171556	D (OS B-1 K Ellilli
€ 60						FCC PART 15 B C	CLASS B-AV Limit
60 50 50 80 80 80 80 80 80 80 80 80 80 80 80 80						The second state of the second	
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20	المساود والمريض بالمرياض والمرياض والمراوض والمراوض						
10							
0 1G	2G	3G	4G	6G	8G		18

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	10869	43.24	4.11	47.35	74.00	26.65	/	/	Horizontal
2	14342	40.61	9.16	49.77	74.00	24.23	/	/	Horizontal
3	17359.5	40.92	12.49	53.41	74.00	20.59	/	/	Horizontal
4	11491.5	34.32	4.90	39.22	54.00	14.78	/	/	Horizontal
5	15239	33.31	9.09	42.40	54.00	11.60	/	/	Horizontal
6	17348.5	32.17	12.79	44.96	54.00	9.04	/	/	Horizontal

Note:

1. The Peak measurements were performed on the EUT.

AV Detector

2. Level = Reading($dB_{\mu}V$) + Factor(dB):

PK Detector

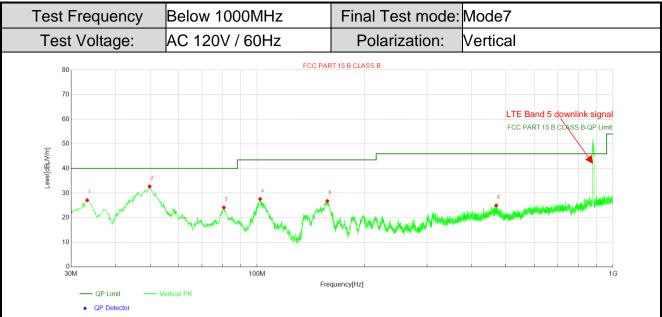
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)

Test Frequency

5. Margin = Limit($dB_{\mu}V/m$) - Value($dB_{\mu}V/m$)





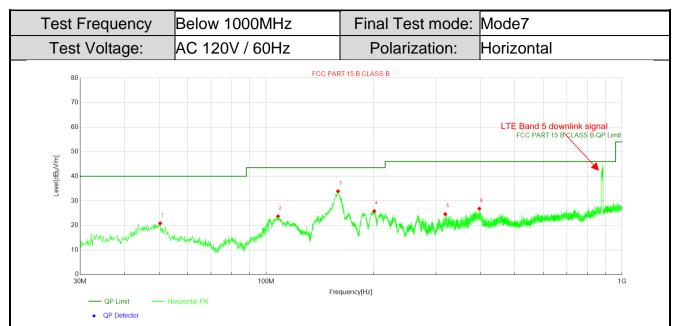


NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	33.298	52.42	-25.32	27.10	40.00	12.90	283	259	PK	Vertical	PASS
2	49.885	55.06	-22.36	32.70	40.00	7.30	185	5	PK	Vertical	PASS
3	80.634	50.29	-26.16	24.13	40.00	15.87	191	9	PK	Vertical	PASS
4	101.974	51.02	-23.42	27.60	43.50	15.90	234	160	PK	Vertical	PASS
5	157.555	53.85	-27.08	26.77	43.50	16.73	269	284	PK	Vertical	PASS
6	469.507	41.39	-16.42	24.97	46.00	21.03	192	165	PK	Vertical	PASS

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB_{\mu}V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)







NO	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdic
1	50.37	43.29	-22.48	20.81	40.00	19.19	133	62	PK	Horizontal	PASS
2	107.988	47.27	-23.56	23.71	43.50	19.79	211	97	PK	Horizontal	PASS
3	159.204	59.77	-25.85	33.92	43.50	9.58	202	304	PK	Horizontal	PASS
4	201.205	49.88	-24.07	25.81	43.50	17.69	120	277	PK	Horizontal	PASS
5	318.672	44.28	-19.69	24.59	46.00	21.41	287	312	PK	Horizontal	PASS
6	397.242	44.50	-17.70	26.80	46.00	19.20	274	326	PK	Horizontal	PASS

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB_{\mu}V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)





Final Test mode: Mode7



Test Frequency

es	st Voltage:	AC 120V	AC 120V / 60Hz		Polarization:			V	Vertical	
	-		FCC	PART 15 B CLA	SS B					
	100			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	90									
	80								FCC PART 15 B CLASS B-PK Limit	
	70									
7	60								FCC PART 15 B CLASS B-AV Limit	
	50								1 2	
	40						أأسابات	and the		
	30 Marie de designa de la companya d		والبائل وتجدوا أوستوم أماري	أواناريوا الباءان ووتياد	A Property lies and the last	and the same of the	المراجعة المراجعة	interpolitical	A CONTRACTOR OF THE PROPERTY O	
		Andreas de la companya de la company	والتأنا التنونات المسالم المستعدد التناسب ومستعدد	فيتان وأعموانا السواره زاام	Name of the Owner, where the Persons is not the Persons in the Per					
	20									
	10									
	0 1G	2G	3G	4G	60	G	80		180	
	— PK Limit —			Frequency[Hz]						

Above 1000MHz

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	12847.5	41.98	5.87	47.85	74.00	26.15	/	/	Vertical
2	15232	40.54	8.93	49.47	74.00	24.53	/	/	Vertical
3	17892	39.21	12.92	52.13	74.00	21.87	/	/	Vertical
4	11472	34.84	4.95	39.79	54.00	14.21	/	/	Vertical
5	15245.5	32.47	9.24	41.71	54.00	12.29	/	/	Vertical
6	17993.5	31.05	13.36	44.41	54.00	9.59	/	/	Vertical

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB\mu V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)





Tes	t Frequency	Above 10	00MHz	Fina	Test mod	le:	Mode7		
Te	st Voltage:	AC 120V / 60Hz		Polarization:			Horizontal		
	100		FCC PA	RT 15 B CLASS E	3				
	90								
	80						FCC PART 15 B CLASS B-PK Limit		
	70								
[m]	60						FCC PART 15 B CLASS B-AV Limit		
Level[dBµV/m]	50						1 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
Lev	40			a literatura di Amerika	بالمائم المعرفية أوالتي المعاولات		Marie Company of the		
	30 Machine Life and phile bearing problem	فيتنا فالهنويولي البيانين الإدارية الدامات	الروامية المراومية ا المراومية المراومية	والمنافية المالية المالية	A CONTRACTOR OF THE PERSON ASSESSMENT				
	20								
	10								
	0 1G	2G	3G 4	4G	6G	8G	18G		
		AV Limit — Horizonta AV Detector		equency[Hz]					

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	12754.5	42.24	5.77	48.01	74.00	25.99	/	/	Horizontal
2	14664	39.43	9.53	48.96	74.00	25.04	/	/	Horizontal
3	17338.5	39.77	12.33	52.10	74.00	21.90	/	/	Horizontal
4	12811	33.88	5.91	39.79	54.00	14.21	/	/	Horizontal
5	13824	33.34	8.31	41.65	54.00	12.35	/	/	Horizontal
6	17981	31.06	13.19	44.25	54.00	9.75	/	/	Horizontal

- 1. The Peak measurements were performed on the EUT.
- 2. Level = Reading($dB\mu V$) + Factor(dB):
- 3. Factor = Cable Factor(dB) + AF(dB/m) Preamplifier gain(dB)
- 4. AF = Antenna Factor(dB/m)
- 5. Margin = Limit($dB_{\mu}V/m$) Value($dB_{\mu}V/m$)



Page 26 / 26

Report No.: TCWA23110003407

4.3 Test Setup Photos

The detailed test data see: Test Setup Photos

~The End~