



Shenzhen Global Test Service Co.,Ltd.

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15 C (15.225)

Report Reference No. : GTS20250709013-6-16

FCC ID. : 2AYD5-I25D01

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Date of issue : Aug.04, 2025

Representative Laboratory Name.: Shenzhen Global Test Service Co.,Ltd.

Address : No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

Applicant's name..... : Imin Technology Pte Ltd

Address : 11 Bishan Street 21, #03-05 Bosch Building, Singapore 573943

Test specification

Standard..... : **FCC Part 15 C (15.225)**

TRF Originator..... : Shenzhen Global Test Service Co.,Ltd.

Master TRF : Dated 2014-12

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Test item description POS Device

Trade Mark..... : 

Manufacturer : Imin Technology Pte Ltd

Model/Type reference : I25D01

List Model : N/A

Modulation Type..... : ASK

Operation Frequency : 13.56 MHz

Hardware Version : N/A

Software Version..... : N/A

Rating : DC 24V/1.5A by Adapter

Result : **PASS**

TEST REPORT

Test Report No.:	GTS20250709013-6-16	Aug.04, 2025
		Date of issue

Equipment under Test : POS Device

Model /Type : I25D01

List Model : N/A

Applicant : **Imin Technology Pte Ltd**

Address : 11 Bishan Street 21, #03-05 Bosch Building, Singapore 573943

Manufacturer : **Imin Technology Pte Ltd**

Address : 11 Bishan Street 21, #03-05 Bosch Building, Singapore 573943

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.225](#): RADIO FREQUENCY DEVICES.

[ANSI C63.10-2020](#): American National Standard for Testing Unlicensed Wireless Devices

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Jul.17, 2025
Testing commenced on	:	Jul.17, 2025
Testing concluded on	:	Aug.02, 2025

2.2. Product Description

Product Name:	POS Device
Trade Mark:	
Model/Type reference:	I25D01
List Model:	N/A
Model Declaration	N/A
Power supply:	DC 24V/1.5A by Adapter
Hardware Version	N/A
Software Version	N/A
Sample ID	GTS20250709013-6-S001-1#(Version A) GTS20250709013-6-S001-2#(Version B) GTS20250709013-6-S001-3#(Version C) GTS20250709013-6-S001-4#
Bluetooth	
Frequency Range	2402MHz ~ 2480MHz
Channel Number	79 channels for Bluetooth (DSS) 40 channels for Bluetooth (DTS)
Channel Spacing	1MHz for Bluetooth (DSS) 2MHz for Bluetooth (DTS)
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK for Bluetooth (DSS) GFSK for Bluetooth (DTS)
2.4GWLAN	
WLAN Operation frequency	IEEE 802.11b:2412-2462MHz IEEE 802.11g:2412-2462MHz IEEE 802.11n HT20:2412-2462MHz IEEE 802.11n HT40:2422-2452MHz IEEE 802.11ax HE20:2412-2462MHz IEEE 802.11ax HE40:2422-2452MHz
WLAN Modulation Type	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax HE20: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax HE40: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Channel number:	11 Channel for IEEE 802.11b/g/n/ax (HT20) 7 Channel for IEEE 802.11n/ax (HT40)
Channel separation:	5MHz
WIFI(5.2G/5.3G/5.7G/5.8G Band)	
WLAN Operation frequency	5180-5240MHz/ 5260MHz to 5320MHz/ 5500MHz to 5700MHz/ 5745MHz

	to 5825MHz
WLAN Modulation Type	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ac VHT20: OFDM (256QAM,64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ax HE20: OFDMA (1024QAM,256QAM,64QAM, 16QAM, QPSK,BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ac VHT40: OFDM (256QAM,64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ax HE40: OFDMA (1024QAM,256QAM,64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ac VHT80: OFDM (256QAM,64QAM, 16QAM, QPSK,BPSK) IEEE 802.11ax HE80: OFDMA (1024QAM,256QAM,64QAM, 16QAM, QPSK,BPSK)
Channel number:	4 Channels for 20MHz bandwidth(5180-5240MHz) 4 Channels for 20MHz bandwidth(5260-5320MHz) 11 Channels for 20MHz bandwidth(5500-5700MHz) 5 channels for 20MHz bandwidth(5745-5825MHz) 2 channels for 40MHz bandwidth(5190~5230MHz) 2 channels for 40MHz bandwidth(5270~5310MHz) 5 Channels for 40MHz bandwidth(5510-5670MHz) 2 channels for 40MHz bandwidth(5755~5795MHz) 1 channels for 80MHz bandwidth(5210MHz) 1 channels for 80MHz bandwidth(5290MHz) 2 Channels for 80MHz bandwidth(5530-5610MHz) 1 channels for 80MHz bandwidth(5775MHz)
Antenna Description	Internal Antenna, 3.36dBi(Max.) for 2.4G Band and 5.11dBi(Max.) for 5G Band
RFID(13.56MHz) (Optional)	
Frequency Range	13.56MHz
Channel Number	1
Modulation Type	ASK
Antenna Description	Internal Antenna, 0dBi (Max.), NFC has three optional antennas, antenna 1(Model:DS2-52) , antenna 2 (Model:DS2-51) and antenna 3 (Model:DS2-55).
Remark:The I25D01 model has 3 versions; Version A: Double large display ; Version B: One large display and one small display; Version C: Only one large display;	

2.3. Equipment Under Test

Power supply system utilised

Power supply voltage	:	☐ 230V / 50 Hz	☐ 120V / 60Hz
		☐ 12 V DC	☒ 24 V DC
		☐ Other (specified in blank below)	

DC 24.0V

2.4. Short description of the Equipment under Test (EUT)

This is a POS Device

For more details, refer to the user's manual of the EUT.

2.5. Block Diagram of Test Setup



2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2AYD5-I25D01** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.7. EUT Exercise Software

N/A.

2.8. Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN HONOR ELECTRONIC CO.,LTD.	Adapter	ADS-65HI-19A-124036F	--	SDOC
Jiangsu Chenyang Electron Co.,Ltd.	Adapter	CYZS36-240150	--	SDOC
LENOVO	PC	DESKYOP-EUIVCNR	--	SDOC
LENOVO	Keyboard	T460S	--	SDOC
LENOVO	Mouse	Howard	--	SDOC
aigo	USB flash disk	U330	--	SDOC
SONY	Earphone	MDR-XB550AP	--	SDOC
--	Electronic Scale	--	--	SDOC
--	Cashbox	--	--	SDOC

Note: The PC, Electronic Scale, Cashbox, Keyboard, Mouse, Earphone and USB flash disk is only used for auxiliary testing.

2.9. External I/O Cable

I/O Port Description	Quantity	Cable
DC IN Port	1	Non-Shielded, 1.0m
USB Port	4	N/A
RJ11 Port	1	N/A
RJ12 Port	1	N/A
RJ45 Port	1	Non-Shielded, 10m
HDMI Port	1	N/A
Type-C Port	1	N/A
Earphone Port	1	N/A

2.10. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen Global Test Service Co.,Ltd.

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L8169)

Shenzhen Global Test Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2019 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA (Certificate No. 4758.01)

Shenzhen Global Test Service Co., Ltd. has been assessed by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4758.01.

Industry Canada Registration Number. is 24189.

FCC Designation Number is CN1401.

FCC Registered Test Site Number is 684561.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	-20-50 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Global Test Service Co.,Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen GTS laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10 dB	(1)
Radiated Emission	1~18GHz	4.32 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.12 dB	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.5. Summary of measurement results

Applied Standard: FCC Part 15 Subpart C			
Test Items	FCC Rules	Test Sample	Result
Line Conducted Emissions	§15.207(a)	GTS20250709013-6-S001-1# GTS20250709013-6-S001-2# GTS20250709013-6-S001-3#	PASS
Field Strength of Fundamental Emissions	§15.225(a)(b)(c)	GTS20250709013-6-S001-4#	PASS
Radiated Emissions	§15.225(d) & §15.209	GTS20250709013-6-S001-1# GTS20250709013-6-S001-2# GTS20250709013-6-S001-3#	PASS
Antenna Requirement	§15.203	GTS20250310021-1-S0001-1#	PASS

Remark:

1. The measurement uncertainty is not included in the test result.
2. NA = Not Applicable; NP = Not Performed
3. Note 1 – Test results inside test report;
4. Note 2 – Test results in other test report (MPE Report).
5. We tested all test mode and recorded worst case in report

3.6. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	CYBERTEK	EM5040A	E1850400105	2025/07/15	2026/07/14
Artificial Mains	CYBERTEK	EM5040A	E1850400205	2025/07/07	2026/07/06
LISN	R&S	ESH2-Z5	893606/008	2025/07/07	2026/07/06
EMI Test Receiver	R&S	ESPI 3	/	2025/07/04	2026/07/03
Test Receiver	R&S	ESCI 7	101102	2025/07/04	2026/07/03
Spectrum Analyzer	Agilent	N9020A	MY48010425	2025/07/04	2026/07/03
Spectrum Analyzer	R&S	FSV40-N	101800	2025/07/04	2026/07/03
Vector Signal generator	Agilent	N5181A	MY49060502	2025/07/15	2026/07/14
Signal generator	Agilent	N5182A	MY50141550	2025/07/04	2026/07/03
Climate Chamber	ESPEC	EL-10KA	A20120523	2025/07/15	2026/07/14
Controller	EM Electronics	Controller EM 1000	N/A	N/A	N/A
Horn Antenna	Schwarzbeck	BBHA 9120D	01622	2024/12/16	2025/12/15
Active Loop Antenna	Beijing Da Ze Technology Co.,Ltd.	ZN30900C	/	2025/07/04	2026/07/03
By-log Antenna	SCHWARZBECK	VULB9163	00976	2025/07/15	2026/07/14
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2025/07/15	2026/07/14
Amplifier	SKET	LAPA_30M01G-32	SK20240104001	2025/01/21	2026/01/20
Amplifier	EMCI	EMC012645SE	980340	2025/01/21	2026/01/20
Amplifier	Schwarzbeck	BBV9179	9719-025	2025/01/21	2026/01/20
Temperature/Humidity Meter	HUATU	HTC-1	/	2025/07/15	2026/07/14
High-Pass Filter	Stest	1	/	2025/07/04	2026/07/03
High-Pass Filter	Stest	2	/	2025/07/04	2026/07/03
RF Cable(below 1GHz)	HUBER+SUHNER	RG214	RE01	2025/07/15	2026/07/14
RF Cable(above 1GHz)	HUBER+SUHNER	RG214	RE02	2025/07/15	2026/07/14
Data acquisition card	Agilent	U2531A	TW53323507	2025/07/15	2026/07/14
Power Sensor	Keysight	E9301A	MY41495308	2025/07/04	2026/07/03
Control Unit	Tonscend	JS0806-2	/	2025/07/07	2026/07/06
Wireless Communication Tester	Rohde&Schwarz	CMW500	125408	2024/07/15	2025/07/14
Automated filter bank	Tonscend	JS0806-F	19F8060177	2025/07/04	2026/07/03
EMI Test Software	Tonscend	JS1120-1	Ver 2.6.8.0518	/	/
EMI Test Software	Tonscend	JS1120-3	Ver 2.5.77.0418	/	/
EMI Test Software	Tonscend	JS32-CE	Ver 2.5	/	/
EMI Test Software	Tonscend	JS32-RE	Ver 2.5.1.8	/	/

Note: The Cal.Interval was one year.

4. RADIATED MEASUREMENT

4.1. Standard Applicable

According to §15.209/ §15.205

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2)
13.36-13.41			

1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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

4.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

4.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 3 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height scan range is 1 meter to 2.5 meter.
- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.
- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 1 meter.
- The EUT was set into operation.

Premeasurement:

- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

Field Strength Calculation

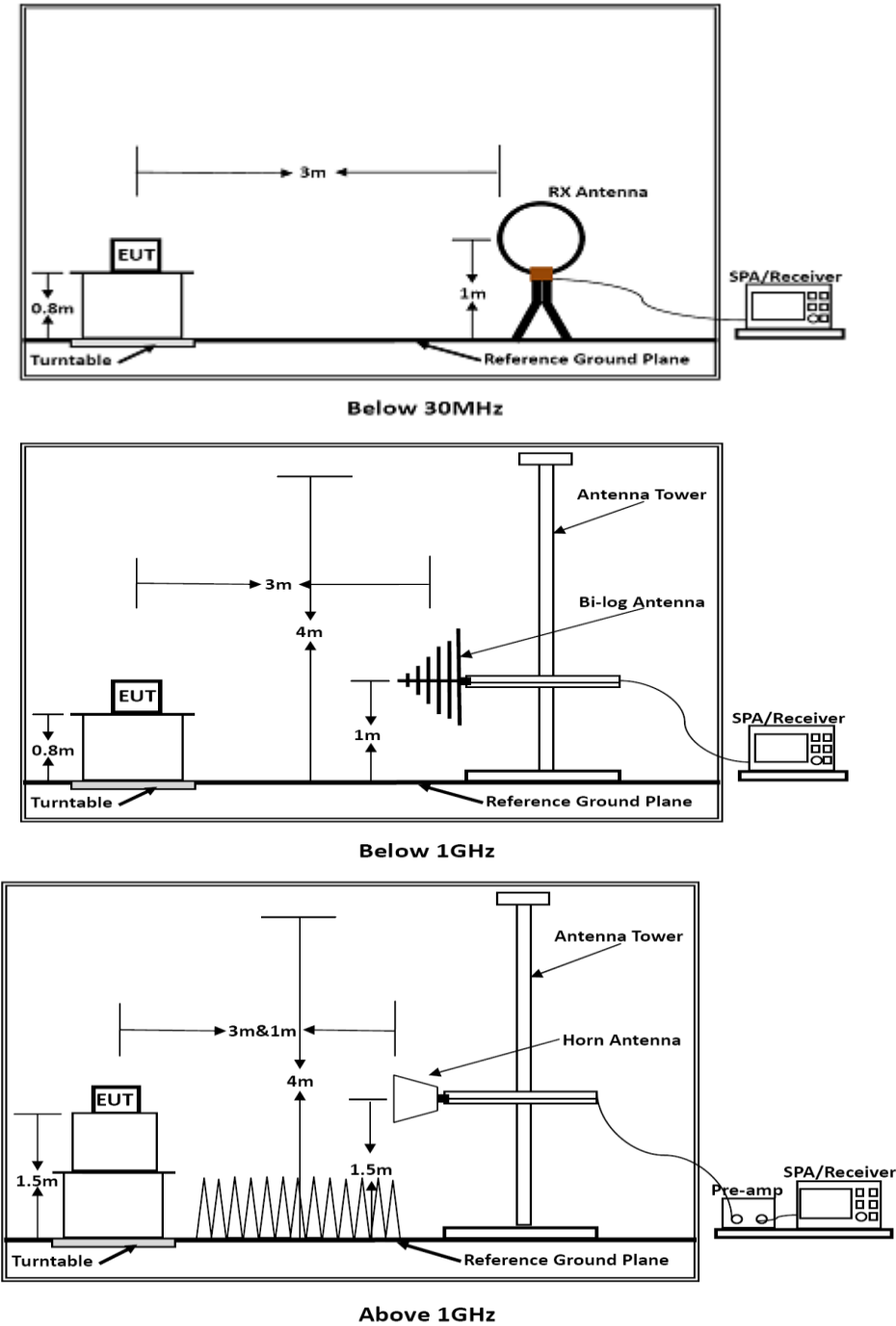
The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$FS = RA + AF + CL - AG$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

$Transd=AF +CL-AG$

4.4. Test Setup Layout



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = $20 \log (\text{specific distanc [3m]} / \text{test distance [1m]})$ (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor [6 dB].

4.5. Test Results

Temperature	24.5°C	Humidity	53.7%
Test Engineer	Evan Ouyang	Configurations	NFC

PASS.

The test data please refer to following page:

9 KHz~30MHz

Version A(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

Freq. MHz	Reading dBuV	Factor dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark
0.24	35.34	20.54	55.88	99.92	44.04	QP
0.89	35.24	20.48	55.72	79.92	24.20	QP
1.96	29.57	20.30	49.87	69.54	19.67	QP
4.96	30.37	20.32	50.69	69.54	18.85	QP
13.56	58.18	20.18	78.36	124.00	45.64	QP
15.01	31.87	20.12	51.99	69.54	17.55	QP
22.02	25.69	19.94	45.63	69.54	23.91	QP
25.97	26.99	19.95	46.94	69.54	22.60	QP

Version B(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

Freq. MHz	Reading dBuV	Factor dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark
0.16	34.77	20.54	55.31	103.70	48.39	QP
0.89	34.03	20.48	54.51	83.70	29.19	QP
2.00	30.13	20.30	50.43	69.54	19.11	QP
5.05	25.79	20.32	46.11	69.54	23.43	QP
13.56	58.45	20.18	78.63	124.00	45.37	QP
14.98	28.59	20.12	48.71	69.54	20.83	QP
21.98	32.01	19.94	51.95	69.54	17.59	QP
26.02	31.48	19.95	51.43	69.54	18.11	QP

Version C(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

Freq. MHz	Reading dBuV	Factor dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark
0.16	35.42	20.54	55.96	103.67	47.71	QP
0.94	32.70	20.48	53.18	83.67	30.49	QP
2.03	25.33	20.30	45.63	69.54	23.91	QP
4.98	25.55	20.32	45.87	69.54	23.67	QP
13.56	61.28	20.18	81.46	124.00	42.54	QP
15.02	30.76	20.12	50.88	69.54	18.66	QP
21.99	26.46	19.94	46.40	69.54	23.14	QP
25.96	33.84	19.95	53.79	69.54	15.75	QP

*Note: Emission Level= Reading Level + Factor

Factor= Antenna Factor + Cable Loss

Margin = Emission Level Limit – Measured Values

“--” means noise floor.

NOTE: All the modes have been tested and recorded worst mode in the report.

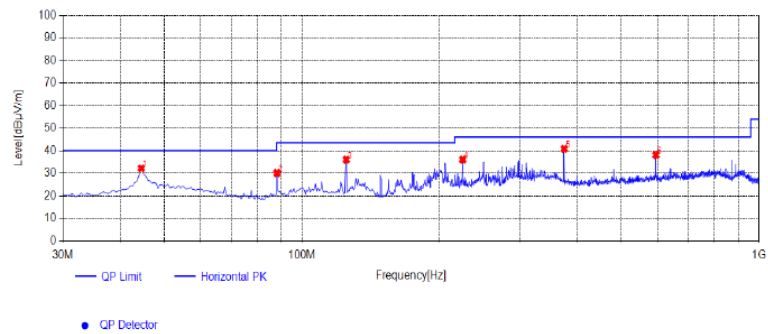
For 30MHz-1GHz

Version A:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

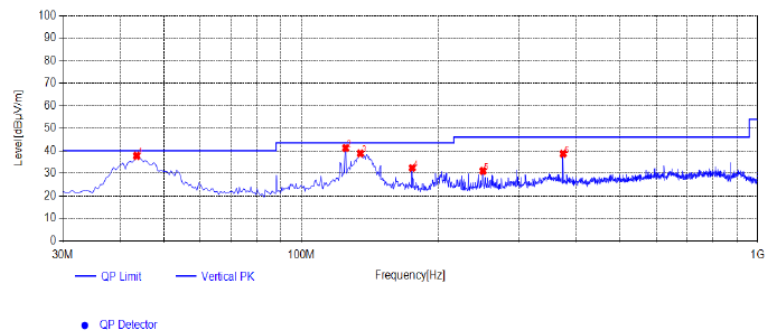
NO.	Frequency [MHz]	Reading [dBuV/m]	Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.55	35.54	-3.36	32.18	40.00	7.82	100	259	PK	Horizontal	PASS
2	88.2	37.02	-6.96	30.06	43.50	13.44	100	52	PK	Horizontal	PASS
3	125.06	43.46	-7.36	36.10	43.50	7.40	100	82	PK	Horizontal	PASS
4	224.97	40.53	-4.40	36.13	46.00	9.87	100	300	PK	Horizontal	PASS
5	374.835	41.55	-0.72	40.83	46.00	5.17	100	66	PK	Horizontal	PASS
6	595.025	33.74	4.39	38.13	46.00	7.87	100	49	PK	Horizontal	PASS

Note: 1. Result (dBuV/m) = Reading(dBuV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBuV/m]	Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	43.58	41.29	-3.49	37.80	40.00	2.20	100	264	PK	Vertical	PASS
2	125.06	48.57	-7.36	41.21	43.50	2.29	100	264	PK	Vertical	PASS
3	134.76	46.98	-8.13	38.85	43.50	4.65	100	145	PK	Vertical	PASS
4	175.015	38.80	-6.43	32.37	43.50	11.13	100	356	PK	Vertical	PASS
5	250.19	34.35	-3.33	31.02	46.00	14.98	100	183	PK	Vertical	PASS
6	374.835	39.42	-0.72	38.70	46.00	7.30	100	349	PK	Vertical	PASS

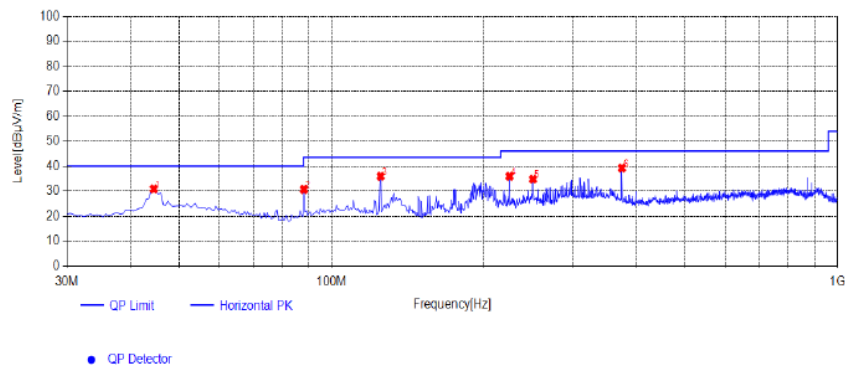
Note: 1. Result (dBuV/m) = Reading(dBuV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

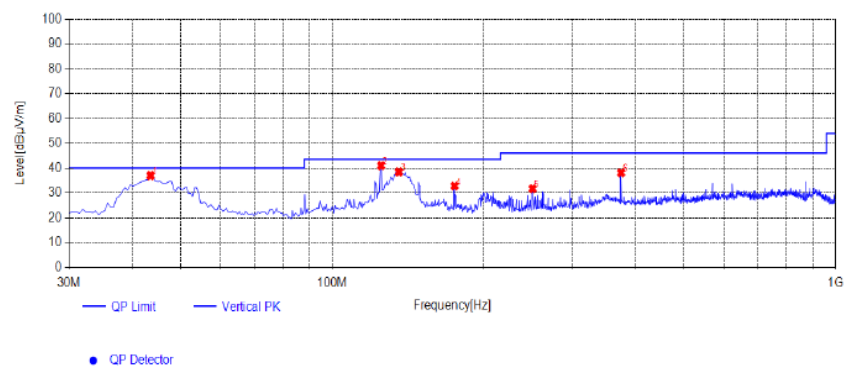
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.55	34.21	-3.36	30.85	40.00	9.15	100	186	PK	Horizontal	PASS
2	88.2	37.61	-6.96	30.65	43.50	12.85	100	67	PK	Horizontal	PASS
3	125.06	43.37	-7.36	36.01	43.50	7.49	100	77	PK	Horizontal	PASS
4	224.97	40.40	-4.40	36.00	46.00	10.00	100	304	PK	Horizontal	PASS
5	250.19	38.14	-3.33	34.81	46.00	11.19	100	90	PK	Horizontal	PASS
6	374.835	39.98	-0.72	39.26	46.00	6.74	100	67	PK	Horizontal	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	43.58	40.52	-3.49	37.03	40.00	2.97	100	314	PK	Vertical	PASS
2	125.06	48.35	-7.36	40.99	43.50	2.51	100	300	PK	Vertical	PASS
3	135.73	46.54	-8.07	38.47	43.50	5.03	100	107	PK	Vertical	PASS
4	175.015	39.22	-6.43	32.79	43.50	10.71	100	263	PK	Vertical	PASS
5	250.19	34.96	-3.33	31.63	46.00	14.37	100	0	PK	Vertical	PASS
6	374.835	38.83	-0.72	38.11	46.00	7.89	100	351	PK	Vertical	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

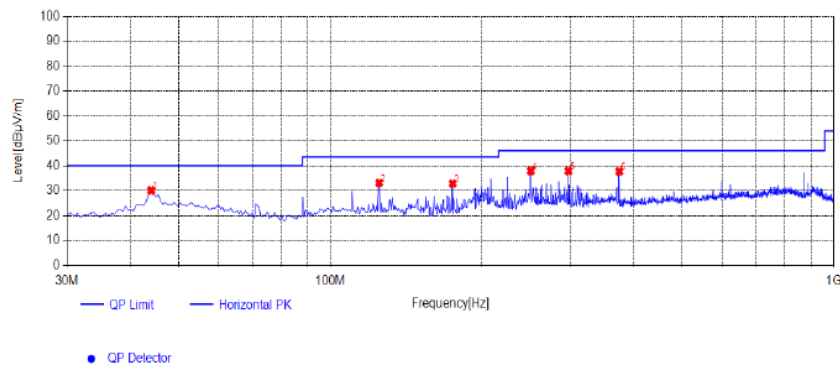
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version B:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

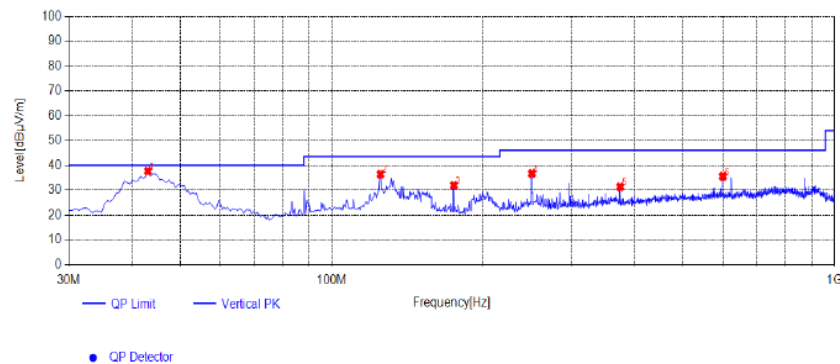
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	33.45	-3.41	30.04	40.00	9.96	100	274	PK	Horizontal	PASS
2	125.06	40.46	-7.36	33.10	43.50	10.40	100	102	PK	Horizontal	PASS
3	175.015	39.29	-6.43	32.86	43.50	10.64	100	284	PK	Horizontal	PASS
4	250.19	41.28	-3.33	37.95	46.00	8.05	100	260	PK	Horizontal	PASS
5	297.235	40.37	-2.45	37.92	46.00	8.08	100	23	PK	Horizontal	PASS
6	374.835	38.47	-0.72	37.75	46.00	8.25	100	53	PK	Horizontal	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	43.095	41.29	-3.58	37.71	40.00	2.29	100	23	PK	Vertical	PASS
2	125.06	43.81	-7.36	36.45	43.50	7.05	100	317	PK	Vertical	PASS
3	175.015	38.34	-6.43	31.91	43.50	11.59	100	256	PK	Vertical	PASS
4	250.19	40.07	-3.33	36.74	46.00	9.26	100	50	PK	Vertical	PASS
5	374.835	32.01	-0.72	31.29	46.00	14.71	100	70	PK	Vertical	PASS
6	599.875	31.16	4.46	35.62	46.00	10.38	100	338	PK	Vertical	PASS

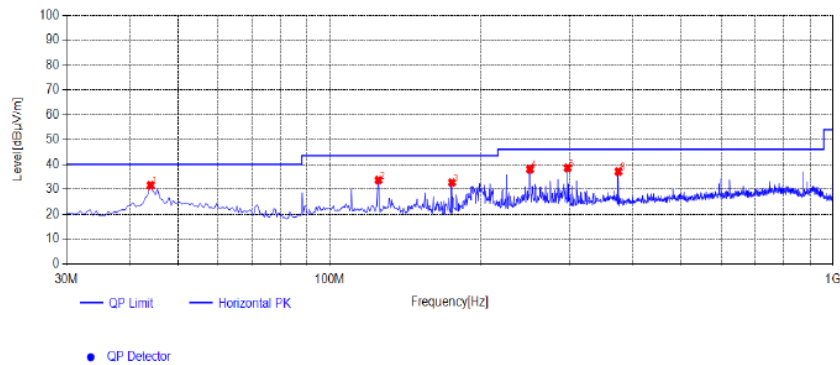
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

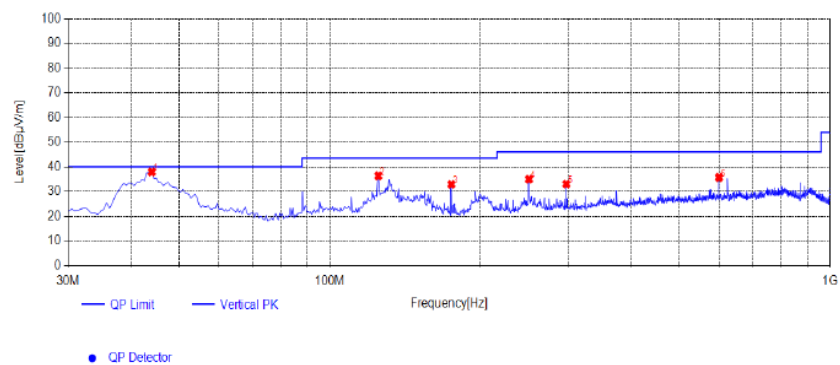
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	34.94	-3.41	31.53	40.00	8.47	100	236	PK	Horizontal	PASS
2	125.06	41.04	-7.36	33.68	43.50	9.82	100	77	PK	Horizontal	PASS
3	175.015	39.14	-6.43	32.71	43.50	10.79	100	269	PK	Horizontal	PASS
4	250.19	41.40	-3.33	38.07	46.00	7.93	100	310	PK	Horizontal	PASS
5	297.235	41.05	-2.45	38.60	46.00	7.40	100	23	PK	Horizontal	PASS
6	374.835	37.88	-0.72	37.16	46.00	8.84	100	50	PK	Horizontal	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	41.38	-3.41	37.97	40.00	2.03	100	290	PK	Vertical	PASS
2	125.06	43.76	-7.36	36.40	43.50	7.10	100	102	PK	Vertical	PASS
3	175.015	39.32	-6.43	32.89	43.50	10.61	100	247	PK	Vertical	PASS
4	250.19	38.34	-3.33	35.01	46.00	10.99	100	28	PK	Vertical	PASS
5	297.235	35.44	-2.45	32.99	46.00	13.01	100	358	PK	Vertical	PASS
6	599.875	31.31	4.46	35.77	46.00	10.23	100	337	PK	Vertical	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

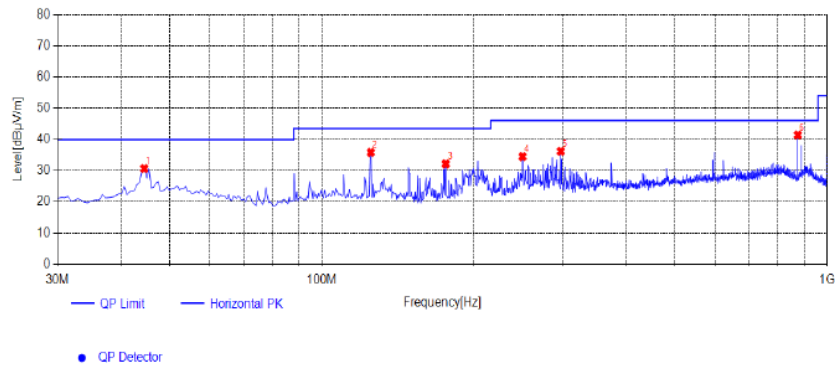
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version C:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

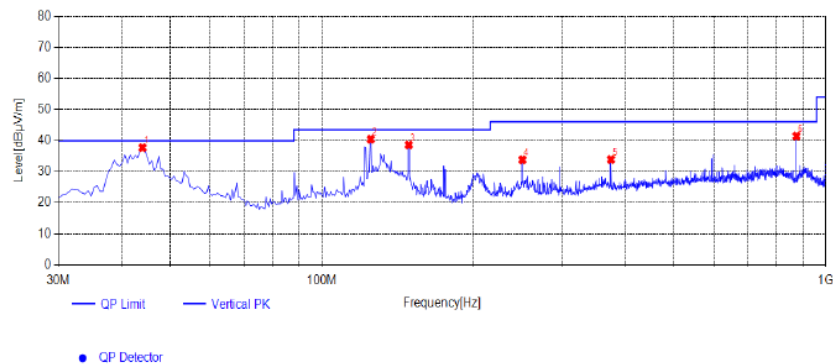
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.55	34.05	-3.36	30.69	40.00	9.31	100	183	PK	Horizontal	PASS
2	125.06	43.14	-7.36	35.78	43.50	7.72	100	98	PK	Horizontal	PASS
3	175.985	38.38	-6.22	32.16	43.50	11.34	100	338	PK	Horizontal	PASS
4	249.705	37.81	-3.35	34.46	46.00	11.54	100	250	PK	Horizontal	PASS
5	297.235	38.59	-2.45	36.14	46.00	9.86	100	37	PK	Horizontal	PASS
6	875.355	35.16	6.28	41.44	46.00	4.56	100	50	PK	Horizontal	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	41.07	-3.41	37.66	40.00	2.34	100	337	PK	Vertical	PASS
2	125.06	47.80	-7.36	40.44	43.50	3.06	100	79	PK	Vertical	PASS
3	148.825	47.02	-8.44	38.58	43.50	4.92	100	160	PK	Vertical	PASS
4	250.19	37.12	-3.33	33.79	46.00	12.21	100	181	PK	Vertical	PASS
5	374.835	34.61	-0.72	33.89	46.00	12.11	100	296	PK	Vertical	PASS
6	875.355	35.21	6.28	41.49	46.00	4.51	100	0	PK	Vertical	PASS

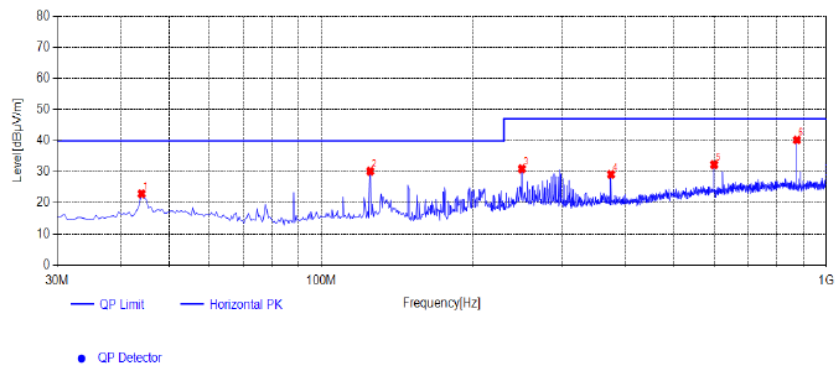
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

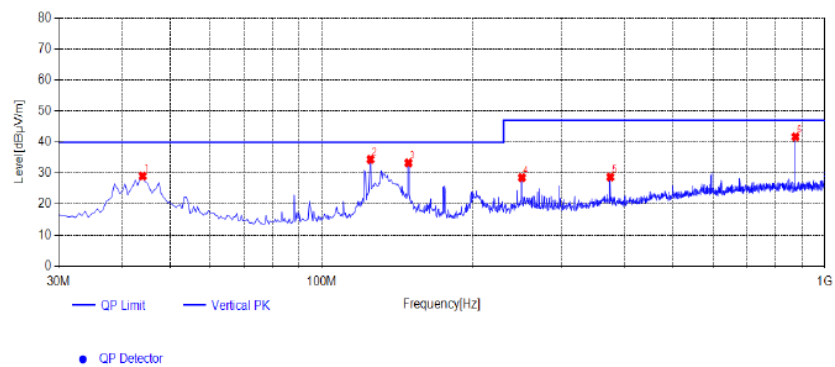
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	34.35	-11.45	22.90	40.00	17.10	100	243	PK	Horizontal	PASS
2	125.06	43.43	-13.24	30.19	40.00	9.81	100	92	PK	Horizontal	PASS
3	249.705	39.67	-8.72	30.95	47.00	16.05	100	239	PK	Horizontal	PASS
4	374.835	34.90	-5.71	29.19	47.00	17.81	100	85	PK	Horizontal	PASS
5	599.875	32.83	-0.54	32.29	47.00	14.71	100	358	PK	Horizontal	PASS
6	875.355	38.58	1.64	40.22	47.00	6.78	100	51	PK	Horizontal	PASS

Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	40.53	-11.45	29.08	40.00	10.92	100	127	PK	Vertical	PASS
2	125.06	47.61	-13.24	34.37	40.00	5.63	100	340	PK	Vertical	PASS
3	148.825	47.48	-14.21	33.27	40.00	6.73	100	3	PK	Vertical	PASS
4	250.19	37.28	-8.70	28.58	47.00	18.42	100	202	PK	Vertical	PASS
5	374.835	34.47	-5.71	28.76	47.00	18.24	100	290	PK	Vertical	PASS
6	875.355	40.08	1.64	41.72	47.00	5.28	100	3	PK	Vertical	PASS

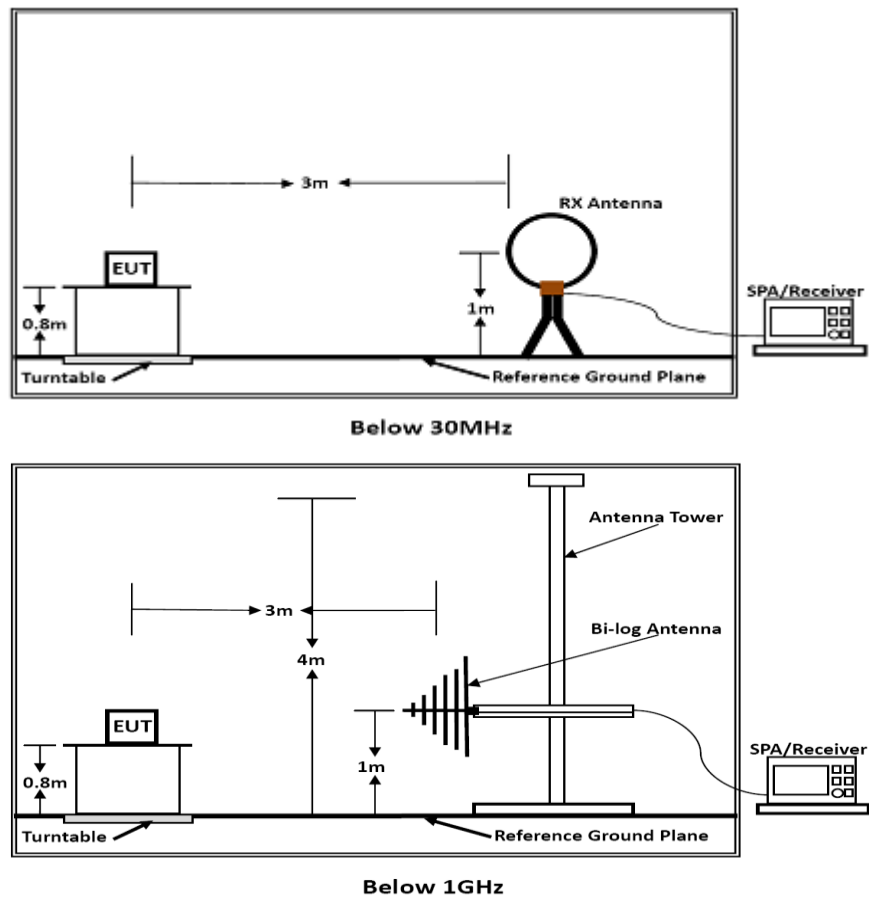
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Note: All modes have been tested and the worst mode is recorded in the report, NFC has three optional antennas, with the worst mode recorded in the report (NFC antenna Model:DS2-52).

5. FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND MASK MEASUREMENT

5.1. Block Diagram of Test Setup



5.2. Field strength of fundamental emissions limit and Mask limit

The field strength of fundamental emissions shall not exceed 15848 microvolts/meter at 30 meters. The emissions limit in this paragraph is based on measurement instrumentation employing a QP detector.

Frequencies (MHz)	Field Strength (microvolts/meter)	Field Strength (dBμV/m) at 10m	Field Strength (dBμV/m) at 3m
13.553 ~ 13.567MHz	15848 at 30m	103.08 (QP)	124 (QP)

Mask Limit:

Frequency (MHz)	Limit (dBuV/m)	Distance (m)
1.705-13.110	69.5	3
13.110-13.410	80.5	3
13.410-13.553	90.5	3
13.553-13.567	124.0	3
13.567-13.710	90.5	3
13.710-14.010	80.5	3
14.010-30.000	69.5	3

5.3. Test Results

Temperature	24.5℃	Humidity	53.7%
Test Engineer	Evan Ouyang	Configurations	NFC

PASS.

The test data please refer to following page:

Version A(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

	Freq.(MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin dB	Remark
1	13.18	29.79	20.18	49.97	80.50	30.53	QP
2	13.45	32.89	20.18	53.07	90.50	37.43	QP
3	13.56	58.18	20.18	78.36	124.00	45.64	QP
4	13.55	29.98	20.18	50.16	90.50	40.34	QP
5	13.63	34.53	20.18	54.71	90.50	35.79	QP
6	14.76	28.86	21.18	50.04	69.50	19.46	QP

Version B(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

	Freq.(MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin dB	Remark
1	13.23	34.98	20.18	55.16	80.50	25.34	QP
2	13.44	34.15	20.18	54.33	90.50	36.17	QP
3	13.56	58.45	20.18	78.63	124.00	45.37	QP
4	13.55	29.69	20.18	49.87	90.50	40.63	QP
5	13.62	26.02	20.18	46.20	90.50	44.30	QP
6	14.75	29.07	21.18	50.25	69.50	19.25	QP

Version C(Adapter: ADS-65HI-19A-124036F, NFC antenna Model:DS2-52):

	Freq.(MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin dB	Remark
1	13.23	27.08	20.18	47.26	80.50	33.24	QP
2	13.49	30.47	20.18	50.65	90.50	39.85	QP
3	13.56	61.28	20.18	81.46	124.00	42.54	QP
4	13.58	31.51	20.18	51.69	90.50	38.81	QP
5	13.67	29.37	20.18	49.55	90.50	40.95	QP
6	14.68	34.51	21.18	55.69	69.50	13.81	QP

*Note: Factor= Antenna Factor + Cable Loss

Emission level (dBμV/m) = 20 log Emission level (μV/m).

Measured distance is 3m.

All emissions emit from non-NFC function of digital unintentional emissions. All NFC's spurious emissions are below 20dB of limits.

NOTE: All the modes have been tested and recorded worst mode in the report.

6. LINE CONDUCTED EMISSIONS

6.1. Standard Applicable

According to §15.207(a): For an intentional radiator which 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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

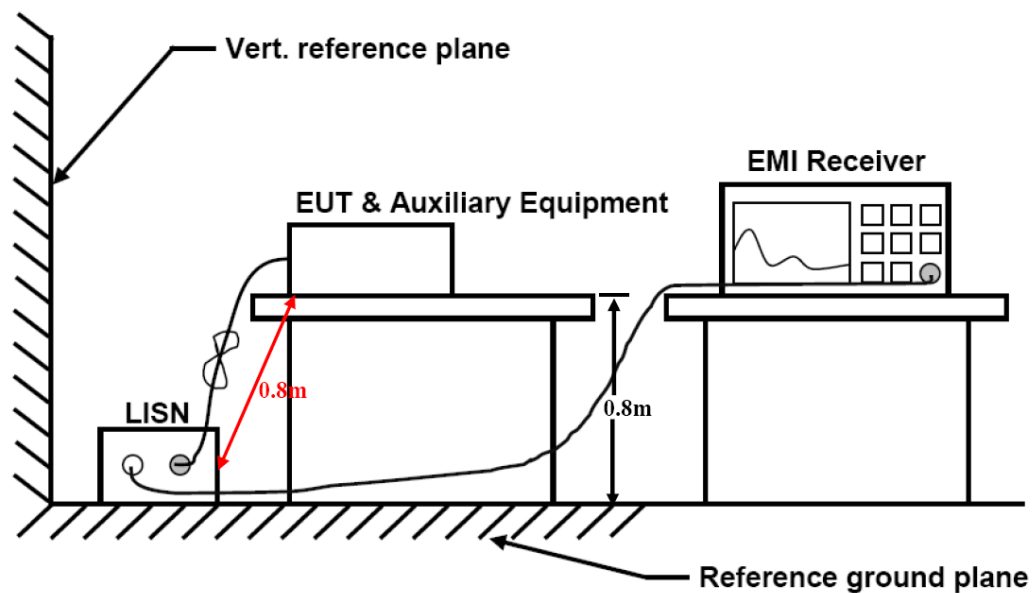
DISTURBANCE Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dBμV)} = RA \text{ (dBμV)} + PL \text{ (dB)} + CL \text{ (dB)}$$

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

6.2. Block Diagram of Test Setup



6.3. Test Results

Temperature	24.5°C	Humidity	53.7%
Test Engineer	Evan Ouyang	Configurations	NFC

Version A:
Adapter: ADS-65HI-19A-124036F

Power supply:	AC 120V/60Hz	Polarization	L
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Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	37.97	18.96	10.35	48.32	29.31	66.00	56.00	17.68	26.69	L1	PASS
2	0.186	32.73	16.13	10.18	42.91	26.31	64.21	54.21	21.30	27.90	L1	PASS
3	0.24	28.28	12.04	10.13	38.41	22.17	62.10	52.10	23.69	29.93	L1	PASS
4	0.3975	26.70	16.35	10.16	36.86	26.51	57.91	47.91	21.05	21.40	L1	PASS
5	3.822	23.25	12.80	10.36	33.61	23.16	56.00	46.00	22.39	22.84	L1	PASS
6	3.9345	22.76	10.74	10.37	33.13	21.11	56.00	46.00	22.87	24.89	L1	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Power supply:	AC 120V/60Hz	Polarization	N
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Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	37.27	18.88	10.35	47.62	29.23	66.00	56.00	18.38	26.77	N	PASS
2	0.1815	36.02	18.65	10.20	46.22	28.85	64.42	54.42	18.20	25.57	N	PASS
3	0.213	30.37	12.00	10.14	40.51	22.14	63.09	53.09	22.58	30.95	N	PASS
4	0.3975	24.88	15.36	10.16	35.04	25.52	57.91	47.91	22.87	22.39	N	PASS
5	3.2865	21.04	9.23	10.35	31.39	19.58	56.00	46.00	24.61	26.42	N	PASS
6	3.9435	20.89	10.40	10.37	31.26	20.77	56.00	46.00	24.74	25.23	N	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Adapter: CYZS36-240150

Power supply:	AC 120V/60Hz	Polarization	L
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Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	39.69	20.02	10.35	50.04	30.37	66.00	56.00	15.96	25.63	L1	PASS
2	0.1815	33.33	15.54	10.20	43.53	25.74	64.42	54.42	20.89	28.68	L1	PASS
3	0.222	30.02	11.98	10.14	40.16	22.12	62.74	52.74	22.58	30.62	L1	PASS
4	0.384	25.31	13.92	10.15	35.46	24.07	58.19	48.19	22.73	24.12	L1	PASS
5	3.633	21.25	8.73	10.36	31.61	19.09	56.00	46.00	24.39	26.91	L1	PASS
6	4.002	21.93	11.60	10.37	32.30	21.97	56.00	46.00	23.70	24.03	L1	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Power supply:	AC 120V/60Hz	Polarization	N
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Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	39.44	17.76	10.35	49.79	28.11	66.00	56.00	16.21	27.89	N	PASS
2	0.1815	34.58	18.60	10.20	44.78	28.80	64.42	54.42	19.64	25.62	N	PASS
3	0.213	30.47	12.21	10.14	40.61	22.35	63.09	53.09	22.48	30.74	N	PASS
4	0.384	23.67	15.06	10.15	33.82	25.21	58.19	48.19	24.37	22.98	N	PASS
5	3.2415	22.43	9.86	10.35	32.78	20.21	56.00	46.00	23.22	25.79	N	PASS
6	3.7095	22.69	7.33	10.36	33.05	17.69	56.00	46.00	22.95	28.31	N	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Version B:
Adapter: ADS-65HI-19A-124036F

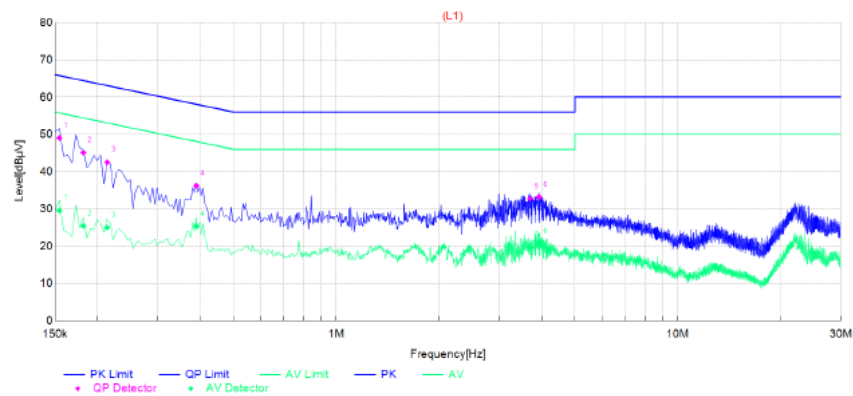
Power supply:

AC 120V/60Hz

Polarization

L

Test Graph



Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.1545	38.69	19.23	10.33	49.02	29.56	65.75	55.75	16.73	26.19	L1	PASS
2	0.1815	34.93	15.21	10.20	45.13	25.41	64.42	54.42	19.29	29.01	L1	PASS
3	0.213	32.37	14.86	10.14	42.51	25.00	63.09	53.09	20.58	28.09	L1	PASS
4	0.3885	26.06	15.23	10.15	36.21	25.38	58.10	48.10	21.89	22.72	L1	PASS
5	3.6915	22.34	9.28	10.36	32.70	19.64	56.00	46.00	23.30	26.36	L1	PASS
6	3.9255	22.77	10.29	10.37	33.14	20.66	56.00	46.00	22.86	25.34	L1	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).

2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

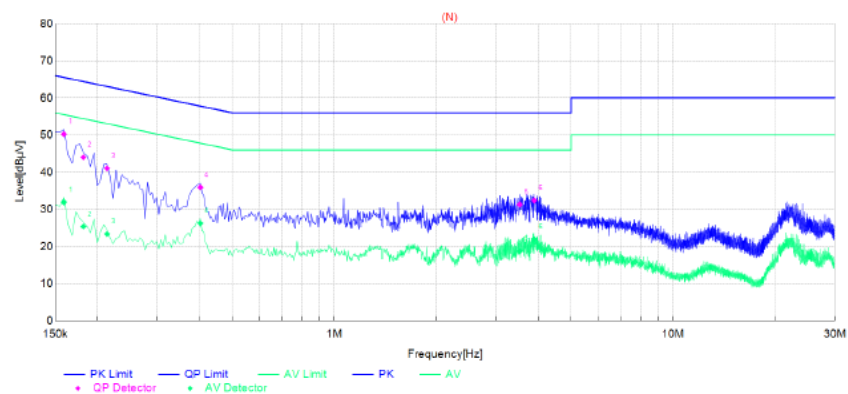
Power supply:

AC 120V/60Hz

Polarization

N

Test Graph



Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.159	39.93	21.61	10.31	50.24	31.92	65.52	55.52	15.28	23.60	N	PASS
2	0.1815	33.84	15.16	10.20	44.04	25.36	64.42	54.42	20.38	29.06	N	PASS
3	0.213	30.92	13.22	10.14	41.06	23.36	63.09	53.09	22.03	29.73	N	PASS
4	0.402	25.73	16.07	10.17	35.90	26.24	57.81	47.81	21.91	21.57	N	PASS
5	3.525	20.94	8.37	10.36	31.30	18.73	56.00	46.00	24.70	27.27	N	PASS
6	3.8895	22.01	11.59	10.37	32.38	21.96	56.00	46.00	23.62	24.04	N	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).

2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Adapter: CYZS36-240150

Power supply:	AC 120V/60Hz	Polarization	L
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Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.1545	37.15	19.71	10.33	47.48	30.04	65.75	55.75	18.27	25.71	L1	PASS
2	0.186	33.88	15.22	10.18	44.06	25.40	64.21	54.21	20.15	28.81	L1	PASS
3	0.213	30.81	14.94	10.14	40.95	25.08	63.09	53.09	22.14	28.01	L1	PASS
4	0.393	24.43	12.95	10.16	34.59	23.11	58.00	48.00	23.41	24.89	L1	PASS
5	3.282	22.05	6.99	10.35	32.40	17.34	56.00	46.00	23.60	28.66	L1	PASS
6	3.8805	22.22	9.28	10.37	32.59	19.65	56.00	46.00	23.41	26.35	L1	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Power supply:	AC 120V/60Hz	Polarization	N
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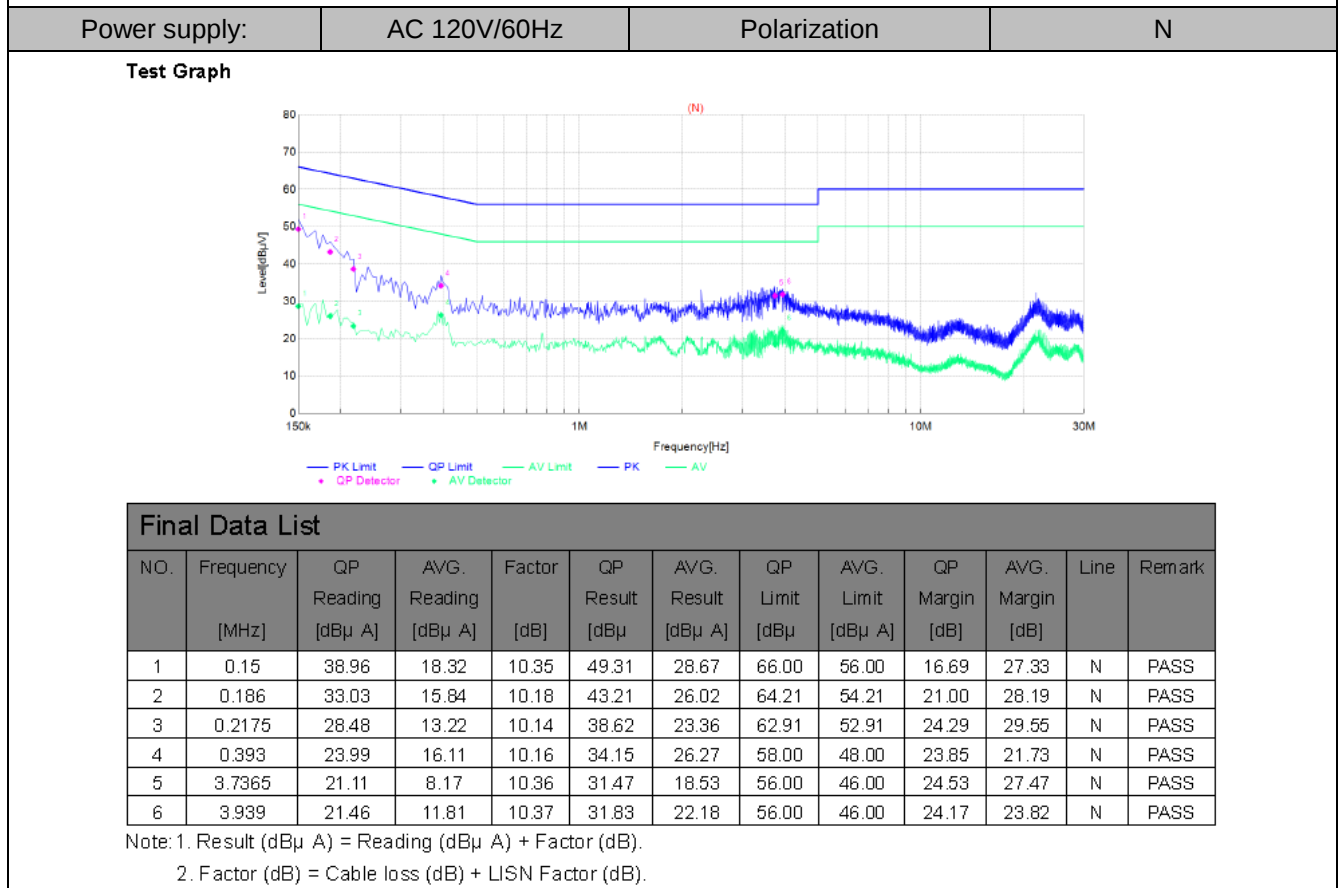
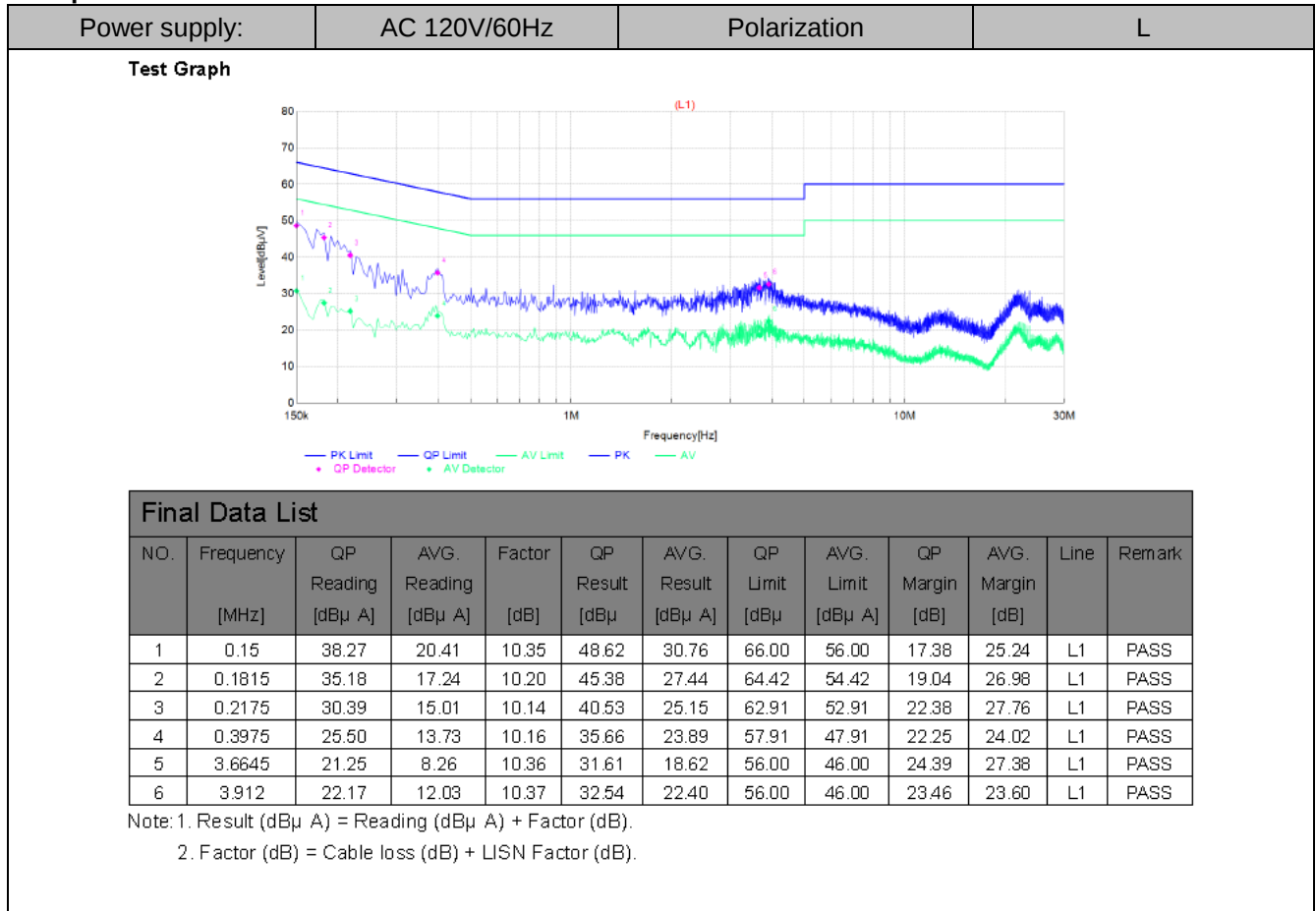
Test Graph

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	38.93	18.96	10.35	49.28	29.31	66.00	56.00	16.72	26.69	N	PASS
2	0.186	34.37	18.30	10.18	44.55	28.48	64.21	54.21	19.66	25.73	N	PASS
3	0.222	29.93	13.89	10.14	40.07	24.03	62.74	52.74	22.67	28.71	N	PASS
4	0.393	25.64	13.82	10.16	35.80	23.98	58.00	48.00	22.20	24.02	N	PASS
5	3.759	21.22	7.73	10.36	31.58	18.09	56.00	46.00	24.42	27.91	N	PASS
6	3.8985	21.07	10.01	10.37	31.44	20.38	56.00	46.00	24.56	25.62	N	PASS

Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB).
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Version C:
Adapter: ADS-65HI-19A-124036F



Adapter: CYZS36-240150

Power supply:	AC 120V/60Hz	Polarization	L									
Test Graph												
Final Data List												
NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	39.67	19.46	10.35	50.02	29.81	66.00	56.00	15.98	26.19	L1	PASS
2	0.186	33.94	14.74	10.18	44.12	24.92	64.21	54.21	20.09	29.29	L1	PASS
3	0.2265	29.27	11.23	10.14	39.41	21.37	62.58	52.58	23.17	31.21	L1	PASS
4	0.393	25.04	16.18	10.16	35.20	26.34	58.00	48.00	22.80	21.66	L1	PASS
5	2.967	21.35	7.69	10.34	31.69	18.03	56.00	46.00	24.31	27.97	L1	PASS
6	3.6015	22.27	10.98	10.36	32.63	21.34	56.00	46.00	23.37	24.66	L1	PASS
Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB). 2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).												

Power supply:	AC 120V/60Hz	Polarization	N									
Test Graph												
Final Data List												
NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	38.94	20.82	10.35	49.29	31.17	66.00	56.00	16.71	24.83	N	PASS
2	0.1815	32.90	16.54	10.20	43.10	26.74	64.42	54.42	21.32	27.68	N	PASS
3	0.213	30.62	14.65	10.14	40.76	24.79	63.09	53.09	22.33	28.30	N	PASS
4	0.393	23.77	15.22	10.16	33.93	25.38	58.00	48.00	24.07	22.62	N	PASS
5	3.363	21.25	5.86	10.35	31.60	16.21	56.00	46.00	24.40	29.79	N	PASS
6	3.993	21.34	10.09	10.37	31.71	20.46	56.00	46.00	24.29	25.54	N	PASS
Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB). 2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).												

Note: All modes have been tested and the worst mode is recorded in the report, NFC has three optional antennas, with the worst mode recorded in the report (NFC antenna Model:DS2-52).

7. ANTENNA REQUIREMENTS

7.1. Standard Applicable

According to antenna requirement of §15.203.

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 a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

7.2. Antenna Connected Construction

9.2.1. Standard Applicable

According to § 15.203, 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.

9.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0dBi, and the antenna is a Loop antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

9.2.3. Results: Compliance.

8. TEST SETUP PHOTOS OF THE EUT

Photo of Radiated Emissions Measurement

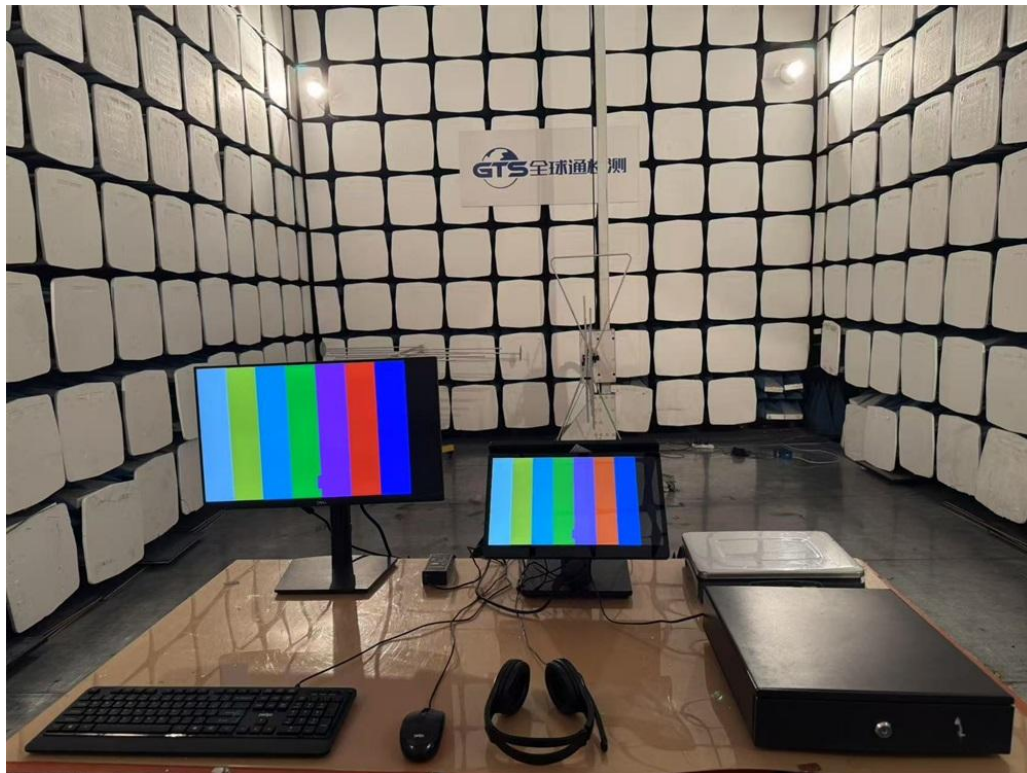


Fig. 2

Photo of Conducted Emission Measurement



Fig. 3

9. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the GTS20250709013-6-12.

.....**End of Report**.....