



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 15.407

Report Reference No.....: **GTS20250709013-6-15**

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,China

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

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

Test specification

Standard.....: **FCC Part 15.407: General technical requirements**

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

Listed Models.....: N/A

Operation Frequency.....: From 5180MHz to 5240MHz/ 5260MHz to 5320MHz/ 5500MHz to 5700MHz/ 5745MHz to 5825MHz

Hardware Version.....: N/A

Software Version.....: N/A

Rating.....: DC 24V/1.5A by Adapter

Result.....: **PASS**

TEST REPORT

Test Report No. :	GTS20250709013-6-15	Aug.04, 2025
		Date of issue

Equipment under Test : POS Device

Model /Type : I25D01

Listed 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 15.407](#): General technical requirements.

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

[KDB 789033 D02 General U-NII Test Procedures New Rules v02r01](#): UNII, U-NII, U-NII Test Procedures

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. EUT operation mode

The application provider specific test software to control sample in continuous TX and RX.

Antenna	Chain0 (ANT 0)			Chain1 (ANT 1)			Simultaneously
Bandwidth Mode	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz	/
IEEE 802.11a	☒	☐	☐	☐	☐	☐	☐
IEEE 802.11n	☒	☒	☐	☐	☐	☐	☐
IEEE 802.11ac	☒	☒	☒	☐	☐	☐	☐
IEEE 802.11ax	☒	☒	☒	☐	☐	☐	☐

IEEE 802.11a/ac20/ac40/ac80/ax20/ax40/ax80/n20/n40:

UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

U-NI-2A		U-NI-2A		U-NI-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

U-NI-2C		U-NI-2C		U-NI-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

U-NI-3		U-NI-3		U-NI-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.

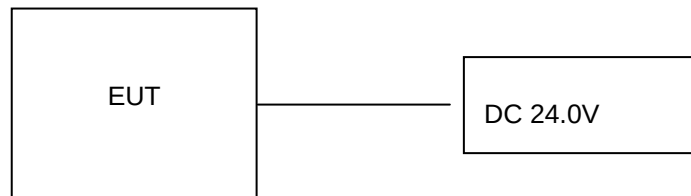
AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/50Hz modes, recorded worst case(AC 120V/60Hz).

AC main conducted emission pre-test at charge from PC modes, recorded worst case;

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was the mode and channel with the highest output power, that was determined to be IEEE 802.11ac VHT20 mode (HCH).

AX mode tested all RU, only worst case mode (Full RU) recorded in report.

2.6. Block Diagram of Test Setup



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

This submittal(s) (test report) is intended for **FCC ID: 2AYD5-I25D01** filing to comply with Section 15.407 of the FCC Part 15, Subpart E Rules.

2.8. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software (adb model) provided by application.

2.9. 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.

2.10. 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

2.11. 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, China.

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:	15-35 ° 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. Test Description

Applied Standard: FCC Part 15 Subpart E				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.407(a)	Maximum Conducted Output Power	GTS20250709013-6-S001-4#	Compliant	Note 1
§15.209, §15.407(b)	Radiated Emissions	GTS20250709013-6-S001-1# GTS20250709013-6-S001-2# GTS20250709013-6-S001-3#	Compliant	Note 1
§15.207(a)	AC Mians Line Conducted Emissions	GTS20250709013-6-S001-1# GTS20250709013-6-S001-2# GTS20250709013-6-S001-3#	Compliant	Note 1
§15.203 §15.407(h)	Antenna Requirements	GTS20250310021-1-S0001-1#	Compliant	Note 1
§15.407 §2.1091	RF Exposure	/	Compliant	Note 2

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

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate
Maximum Peak Conducted Output Power Power Spectral Density 6dB Bandwidth 26dB Bandwidth Radiated Emission30M~1GHz& Radiated Emission 1GHz~10 th Harmonic	802.11a	6 Mbps
	802.11ac20/ac40/ac80 802.11n HT20/40/ax20/ax40/ax80	MCS0
Band Edge	802.11a	6 Mbps
	802.11ac20/ac40/ac80 802.11n HT20/40/ax20/ax40/ax80	MCS0

3.6. Equipments Used during the Test

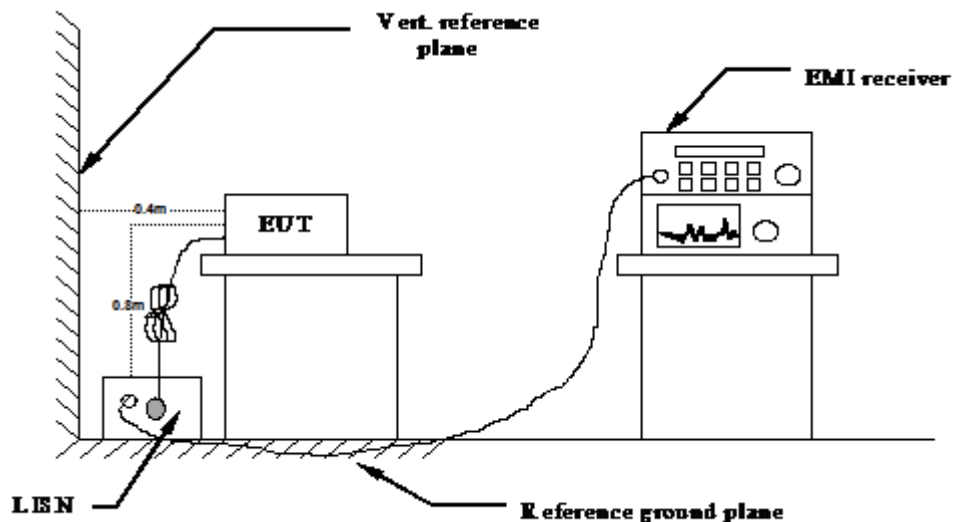
Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	CYBERTEK	EM5040A	E1850400105	2025/07/15	2026/07/14
Artificial Mains	CYBERTEK	EM5040A	E1850400205	2025/07/07	2026/07/06
LISN	R&S	ESH2-Z5	893606/008	2025/07/07	2026/07/06
EMI Test Receiver	R&S	ESPI 3	/	2025/07/04	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. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2020.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2020
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2020
- 4 The EUT received DC 24.0V power, the adapter received AC120V/60Hz or AC 240V/50Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

Frequency range (MHz)	Limit (dBuV)	
	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 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:

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

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

TEST RESULTS

Remark: We measured Conducted Emission at all mode in AC 120V/60Hz, the worst case was recorded .

Temperature	25°C	Humidity	60%
Test Engineer	Evan Ouyang	Configurations	IEEE 802.11ac20 HCH

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

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

Level[dBμV]

Frequency[Hz]

PK Limit QP Limit AV Limit PK QP QP Detector AV Detector

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ A]	AVG. Result [dBμ A]	QP Limit [dBμ A]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.1545	35.50	18.78	10.33	45.83	29.11	65.75	55.75	19.92	26.64	L1	PASS
2	0.1815	33.13	17.86	10.20	43.33	28.06	64.42	54.42	21.09	26.36	L1	PASS
3	0.3975	26.58	17.78	10.16	36.74	27.94	57.91	47.91	21.17	19.97	L1	PASS
4	3.1245	22.00	9.65	10.34	32.34	19.99	56.00	46.00	23.66	26.01	L1	PASS
5	3.5565	21.94	10.60	10.36	32.30	20.96	56.00	46.00	23.70	25.04	L1	PASS
6	3.993	22.17	8.83	10.37	32.54	19.20	56.00	46.00	23.46	26.80	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

Level[dBμV]

Frequency[Hz]

PK Limit QP Limit AV Limit PK QP QP Detector AV Detector

Final Data List

NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ A]	AVG. Result [dBμ A]	QP Limit [dBμ A]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.15	35.32	17.09	10.35	45.67	27.44	66.00	56.00	20.33	28.56	N	PASS
2	0.1815	31.53	11.73	10.20	41.73	21.93	64.42	54.42	22.69	32.49	N	PASS
3	0.384	25.74	16.81	10.15	35.89	26.96	58.19	48.19	22.30	21.23	N	PASS
4	1.3965	21.13	5.92	10.23	31.36	16.15	56.00	46.00	24.64	29.85	N	PASS
5	3.7905	21.55	10.82	10.36	31.91	21.18	56.00	46.00	24.09	24.82	N	PASS
6	3.912	21.54	9.02	10.37	31.91	19.39	56.00	46.00	24.09	26.61	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	35.18	16.41	10.35	45.53	26.76	66.00	56.00	20.47	29.24	L1	PASS
2	0.195	30.94	13.81	10.16	41.10	23.97	63.82	53.82	22.72	29.85	L1	PASS
3	0.3885	26.45	17.52	10.15	36.60	27.67	58.10	48.10	21.50	20.43	L1	PASS
4	0.5955	22.61	8.32	10.19	32.80	18.51	56.00	46.00	23.20	27.49	L1	PASS
5	3.399	20.34	7.76	10.35	30.69	18.11	56.00	46.00	25.31	27.89	L1	PASS
6	4.02	22.12	10.08	10.37	32.49	20.45	56.00	46.00	23.51	25.55	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	0.1545	36.95	15.80	10.33	47.28	26.13	65.75	55.75	18.47	29.62	N	PASS
2	0.1815	33.00	15.34	10.20	43.20	25.54	64.42	54.42	21.22	28.88	N	PASS
3	0.393	27.16	16.87	10.16	37.32	27.03	58.00	48.00	20.68	20.97	N	PASS
4	0.8925	21.86	5.60	10.23	32.09	15.83	56.00	46.00	23.91	30.17	N	PASS
5	3.0525	20.71	6.68	10.34	31.05	17.02	56.00	46.00	24.95	28.98	N	PASS
6	3.498	22.09	8.47	10.35	32.44	18.82	56.00	46.00	23.56	27.18	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
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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	34.97	17.69	10.33	45.30	28.02	65.75	55.75	20.45	27.73	L1	PASS
2	0.1815	31.54	15.49	10.20	41.74	25.69	64.42	54.42	22.68	28.73	L1	PASS
3	0.213	28.77	12.00	10.14	38.91	22.14	63.09	53.09	24.18	30.95	L1	PASS
4	0.402	25.38	14.33	10.17	35.55	24.50	57.81	47.81	22.26	23.31	L1	PASS
5	0.7755	19.35	8.60	10.25	29.60	18.85	56.00	46.00	26.40	27.15	L1	PASS
6	3.867	21.46	8.80	10.37	31.83	19.17	56.00	46.00	24.17	26.83	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	0.1725	34.31	15.01	10.24	44.55	25.25	64.84	54.84	20.29	29.59	N	PASS
2	0.1995	31.61	13.47	10.15	41.76	23.62	63.63	53.63	21.87	30.01	N	PASS
3	0.3885	27.77	17.65	10.15	37.92	27.80	58.10	48.10	20.18	20.30	N	PASS
4	3.237	21.18	6.88	10.35	31.53	17.23	56.00	46.00	24.47	28.77	N	PASS
5	3.858	22.20	8.95	10.37	32.57	19.32	56.00	46.00	23.43	26.68	N	PASS
6	3.9705	21.76	10.77	10.37	32.13	21.14	56.00	46.00	23.87	24.86	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	39.16	19.44	10.35	49.51	29.79	66.00	56.00	16.49	26.21	L1	PASS
2	0.1815	32.53	13.54	10.20	42.73	23.74	64.42	54.42	21.69	30.68	L1	PASS
3	0.384	27.47	17.49	10.15	37.62	27.64	58.19	48.19	20.57	20.55	L1	PASS
4	3.0705	22.27	9.91	10.34	32.61	20.25	56.00	46.00	23.39	25.75	L1	PASS
5	3.525	23.47	11.75	10.36	33.83	22.11	56.00	46.00	22.17	23.89	L1	PASS
6	3.903	21.92	9.89	10.37	32.29	20.26	56.00	46.00	23.71	25.74	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	0.1545	36.27	18.55	10.33	46.60	28.88	65.75	55.75	19.15	26.87	N	PASS
2	0.1815	31.56	12.07	10.20	41.76	22.27	64.42	54.42	22.66	32.15	N	PASS
3	0.3975	24.91	15.56	10.16	35.07	25.72	57.91	47.91	22.84	22.19	N	PASS
4	3.1425	22.58	8.78	10.34	32.92	19.12	56.00	46.00	23.08	26.88	N	PASS
5	3.7815	23.80	10.52	10.36	34.16	20.88	56.00	46.00	21.84	25.12	N	PASS
6	3.912	23.02	10.46	10.37	33.39	20.83	56.00	46.00	22.61	25.17	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

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	37.18	19.77	10.35	47.53	30.12	66.00	56.00	18.47	25.88	L1	PASS
2	0.186	32.66	16.65	10.18	42.84	26.83	64.21	54.21	21.37	27.38	L1	PASS
3	0.384	25.66	16.04	10.15	35.81	26.19	58.19	48.19	22.38	22.00	L1	PASS
4	3.1245	21.48	10.10	10.34	31.82	20.44	56.00	46.00	24.18	25.56	L1	PASS
5	3.8265	21.92	11.63	10.36	32.28	21.99	56.00	46.00	23.72	24.01	L1	PASS
6	3.912	22.88	11.29	10.37	33.25	21.66	56.00	46.00	22.75	24.34	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
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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	36.75	18.83	10.33	47.08	29.16	65.75	55.75	18.67	26.59	N	PASS
2	0.1815	33.03	16.53	10.20	43.23	26.73	64.42	54.42	21.19	27.69	N	PASS
3	0.3885	25.79	16.63	10.15	35.94	26.78	58.10	48.10	22.16	21.32	N	PASS
4	3.1425	23.03	9.83	10.34	33.37	20.17	56.00	46.00	22.63	25.83	N	PASS
5	3.858	22.06	11.13	10.37	32.43	21.50	56.00	46.00	23.57	24.50	N	PASS
6	3.9975	24.19	8.63	10.37	34.56	19.00	56.00	46.00	21.44	27.00	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									
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	38.63	19.96	10.35	48.98	30.31	66.00	56.00	17.02	25.69	L1	PASS
2	0.1815	33.15	17.74	10.20	43.35	27.94	64.42	54.42	21.07	26.48	L1	PASS
3	0.393	27.41	16.54	10.16	37.57	26.70	58.00	48.00	20.43	21.30	L1	PASS
4	3.1515	21.22	11.20	10.34	31.56	21.54	56.00	46.00	24.44	24.46	L1	PASS
5	3.786	22.28	9.39	10.36	32.64	19.75	56.00	46.00	23.36	26.25	L1	PASS
6	3.8625	21.87	10.43	10.37	32.24	20.80	56.00	46.00	23.76	25.20	L1	PASS
Note: 1. Result (dBμ A) = Reading (dBμ A) + Factor (dB). 2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).												

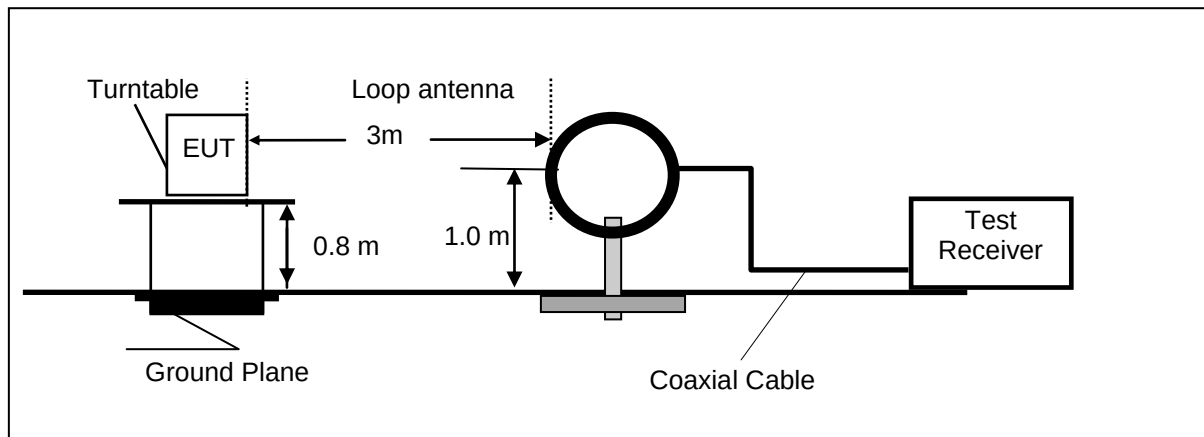
Power supply:	AC 120V/60Hz	Polarization	N									
Test Graph												
Final Data List												
NO.	Frequency [MHz]	QP Reading [dBμ A]	AVG. Reading [dBμ A]	Factor [dB]	QP Result [dBμ]	AVG. Result [dBμ A]	QP Limit [dBμ]	AVG. Limit [dBμ A]	QP Margin [dB]	AVG. Margin [dB]	Line	Remark
1	0.168	34.28	16.65	10.27	44.55	26.92	65.06	55.06	20.51	28.14	N	PASS
2	0.186	32.56	15.25	10.18	42.74	25.43	64.21	54.21	21.47	28.78	N	PASS
3	0.384	25.58	16.18	10.15	35.73	26.33	58.19	48.19	22.46	21.86	N	PASS
4	2.994	23.07	11.19	10.34	33.41	21.53	56.00	46.00	22.59	24.47	N	PASS
5	3.8355	23.42	12.46	10.37	33.79	22.83	56.00	46.00	22.21	23.17	N	PASS
6	3.966	22.71	12.42	10.37	33.08	22.79	56.00	46.00	22.92	23.21	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).

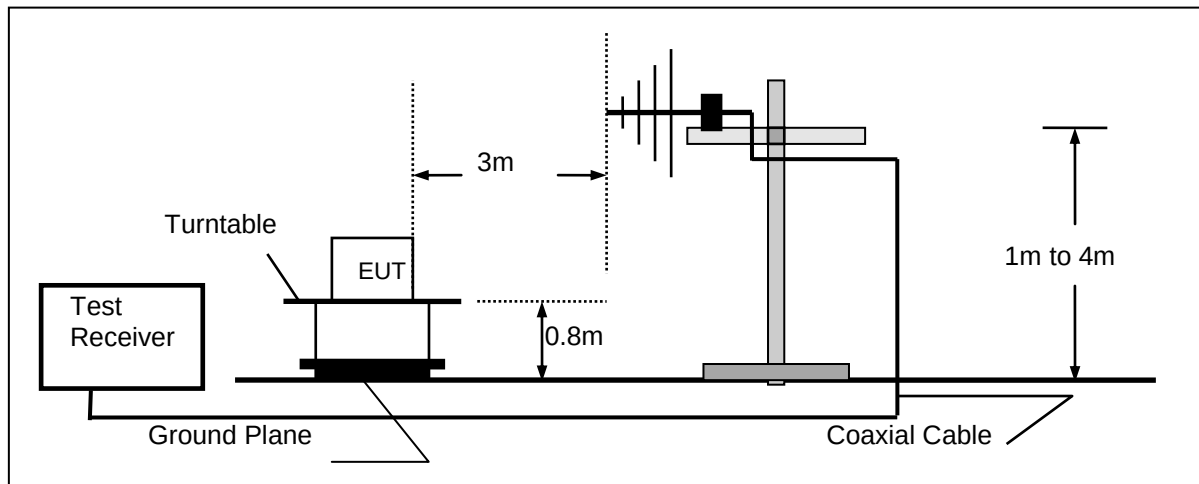
4.2. Radiated Emission

TEST CONFIGURATION

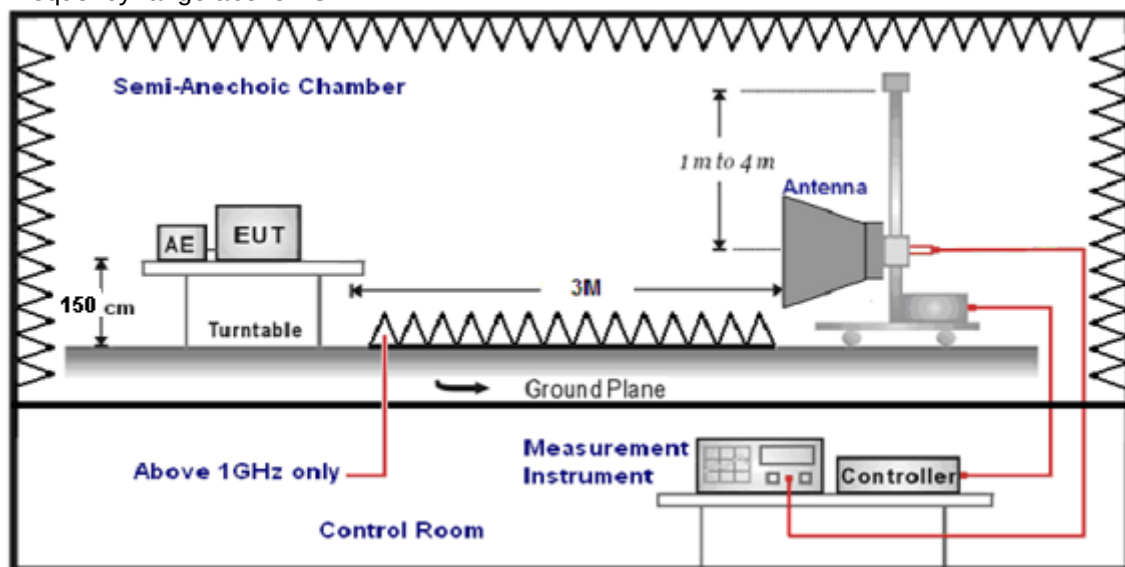
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing above 1GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT minimum operation frequency was 24MHz and maximum operation frequency was 5825MHz.so radiated emission test frequency band from 9KHz to 40GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

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	

$$Transd=AF +CL-AG$$

RADIATION LIMIT

According to §15.407 (b): Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850	-27 (beyond 10MHz of the bandedge)	68.2
	-17 (within 10 MHz of band edge)	78.2

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST RESULTS

Remark: We measured Radiated Emission at all mode from 9KHz to 25GHz in AC 120V/60Hz and the worst case was recorded.

Temperature	23.4°C	Humidity	54.5%
Test Engineer	Evan Ouyang	Configurations	IEEE 802.11ac20 HCH

For 9 KHz~30MHz

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

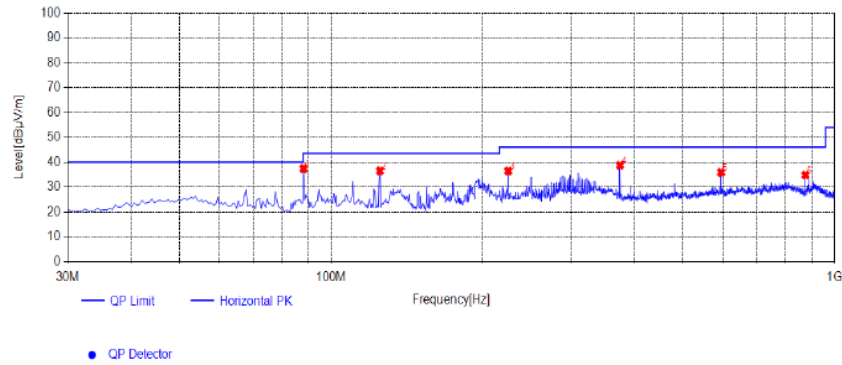
For 30MHz-1GHz

Version A:

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

Horizontal

Test Graph



Suspected List

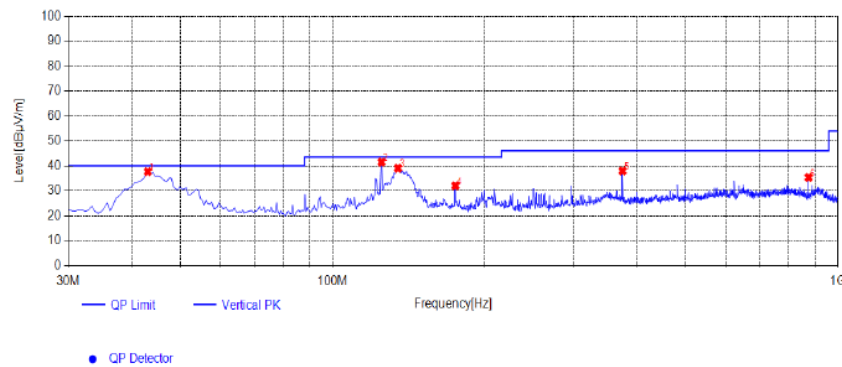
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	88.2	44.43	-6.96	37.47	43.50	6.03	100	67	PK	Horizontal	PASS
2	125.06	43.92	-7.36	36.56	43.50	6.94	100	269	PK	Horizontal	PASS
3	224.97	40.92	-4.40	36.52	46.00	9.48	100	313	PK	Horizontal	PASS
4	374.835	39.48	-0.72	38.76	46.00	7.24	100	327	PK	Horizontal	PASS
5	595.025	31.55	4.39	35.94	46.00	10.06	100	44	PK	Horizontal	PASS
6	875.355	28.56	6.28	34.84	46.00	11.16	100	337	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	41.28	-3.58	37.70	40.00	2.30	100	303	PK	Vertical	PASS
2	125.06	48.85	-7.36	41.49	43.50	2.01	100	286	PK	Vertical	PASS
3	134.76	47.19	-8.13	39.06	43.50	4.44	100	151	PK	Vertical	PASS
4	175.015	38.42	-6.43	31.99	43.50	11.51	100	266	PK	Vertical	PASS
5	374.835	38.70	-0.72	37.98	46.00	8.02	100	337	PK	Vertical	PASS
6	875.355	29.13	6.28	35.41	46.00	10.59	100	344	PK	Vertical	PASS

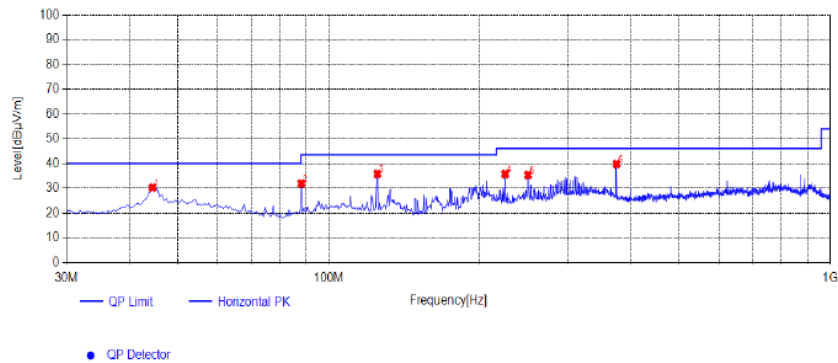
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

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

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

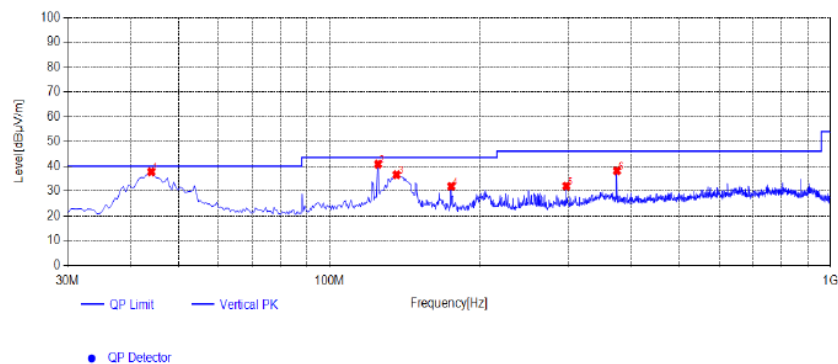
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.55	33.59	-3.36	30.23	40.00	9.77	100	175	PK	Horizontal	PASS
2	88.2	38.82	-6.96	31.86	43.50	11.64	100	69	PK	Horizontal	PASS
3	125.06	43.21	-7.36	35.85	43.50	7.65	100	266	PK	Horizontal	PASS
4	224.97	40.19	-4.40	35.79	46.00	10.21	100	290	PK	Horizontal	PASS
5	249.705	38.75	-3.35	35.40	46.00	10.60	100	15	PK	Horizontal	PASS
6	374.835	40.52	-0.72	39.80	46.00	6.20	100	69	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	41.20	-3.41	37.79	40.00	2.21	100	241	PK	Vertical	PASS
2	125.06	48.18	-7.36	40.82	43.50	2.68	100	302	PK	Vertical	PASS
3	136.215	44.74	-8.11	36.63	43.50	6.87	100	95	PK	Vertical	PASS
4	175.015	38.28	-6.43	31.85	43.50	11.65	100	234	PK	Vertical	PASS
5	297.235	34.43	-2.45	31.98	46.00	14.02	100	53	PK	Vertical	PASS
6	374.835	38.89	-0.72	38.17	46.00	7.83	100	360	PK	Vertical	PASS

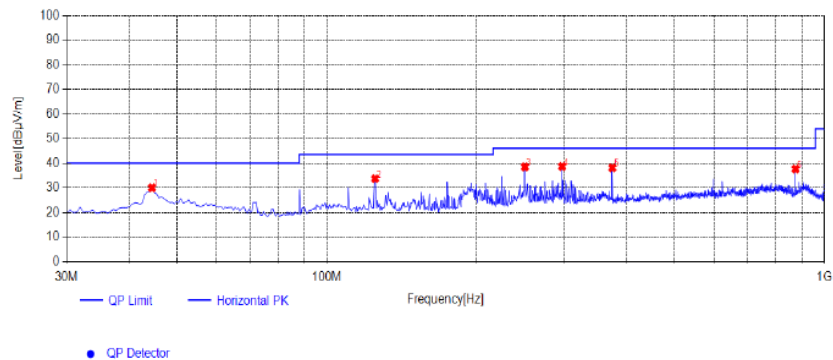
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

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

Version B:

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

Test Graph



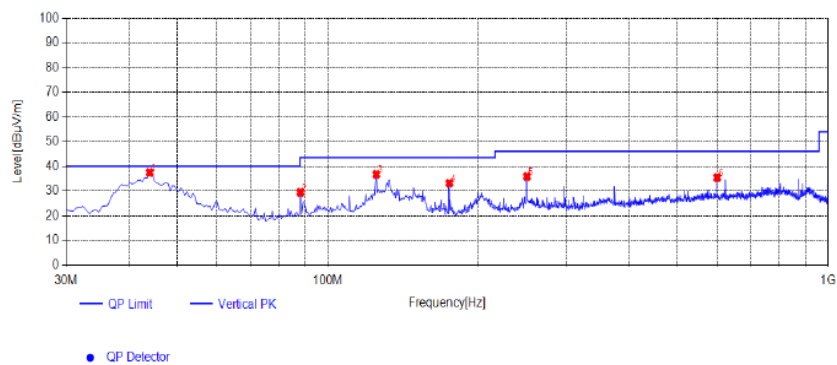
Suspected List

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	33.35	-3.36	29.99	40.00	10.01	100	202	PK	Horizontal	PASS
2	125.06	41.05	-7.36	33.69	43.50	9.81	100	88	PK	Horizontal	PASS
3	250.19	41.85	-3.33	38.52	46.00	7.48	100	310	PK	Horizontal	PASS
4	297.235	41.14	-2.45	38.69	46.00	7.31	100	23	PK	Horizontal	PASS
5	374.835	38.86	-0.72	38.14	46.00	7.86	100	57	PK	Horizontal	PASS
6	875.355	31.40	6.28	37.68	46.00	8.32	100	54	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).

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	40.94	-3.41	37.53	40.00	2.47	100	90	PK	Vertical	PASS
2	88.2	36.39	-6.96	29.43	43.50	14.07	100	286	PK	Vertical	PASS
3	125.06	44.13	-7.36	36.77	43.50	6.73	100	117	PK	Vertical	PASS
4	175.015	39.59	-6.43	33.16	43.50	10.34	100	242	PK	Vertical	PASS
5	250.19	39.25	-3.33	35.92	46.00	10.08	100	40	PK	Vertical	PASS
6	600.36	31.05	4.45	35.50	46.00	10.50	100	2	PK	Vertical	PASS

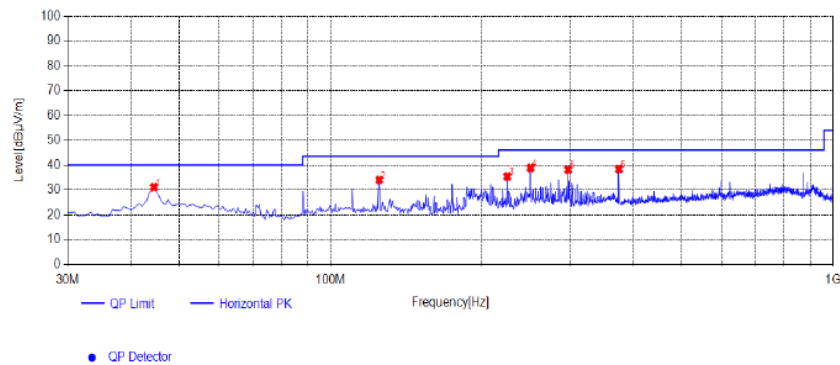
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

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

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

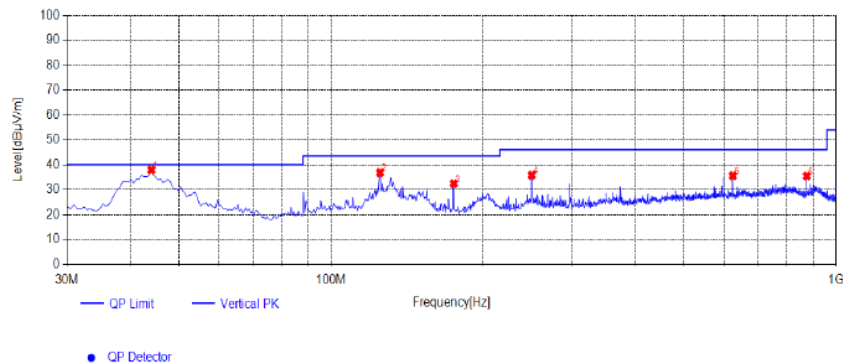
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.55	34.42	-3.36	31.06	40.00	8.94	100	219	PK	Horizontal	PASS
2	125.06	41.40	-7.36	34.04	43.50	9.46	100	101	PK	Horizontal	PASS
3	224.97	39.86	-4.40	35.46	46.00	10.54	100	303	PK	Horizontal	PASS
4	250.19	42.21	-3.33	38.88	46.00	7.12	100	320	PK	Horizontal	PASS
5	297.235	40.61	-2.45	38.16	46.00	7.84	100	74	PK	Horizontal	PASS
6	374.835	39.12	-0.72	38.40	46.00	7.60	100	54	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	41.35	-3.41	37.94	40.00	2.06	100	155	PK	Vertical	PASS
2	125.06	44.20	-7.36	36.84	43.50	6.66	100	81	PK	Vertical	PASS
3	175.015	38.87	-6.43	32.44	43.50	11.06	100	239	PK	Vertical	PASS
4	249.705	39.20	-3.35	35.85	46.00	10.15	100	27	PK	Vertical	PASS
5	625.095	31.13	4.53	35.66	46.00	10.34	100	9	PK	Vertical	PASS
6	875.355	29.25	6.28	35.53	46.00	10.47	100	30	PK	Vertical	PASS

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

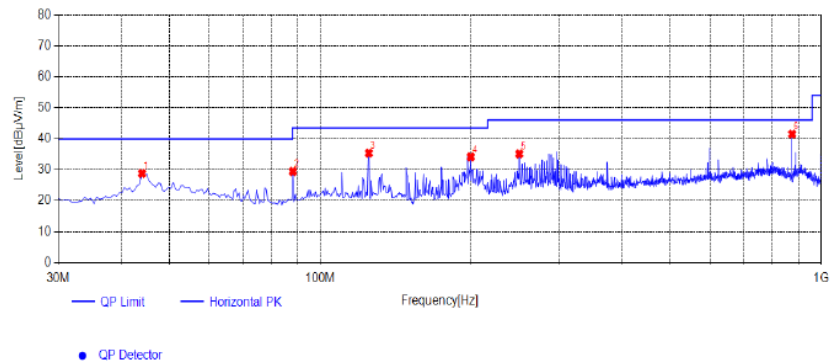
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version C:

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

Horizontal

Test Graph



Suspected List

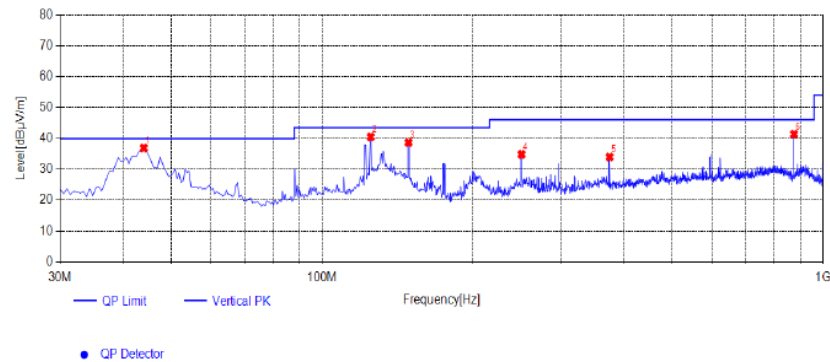
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	32.25	-3.41	28.84	40.00	11.16	100	231	PK	Horizontal	PASS
2	88.2	36.43	-6.96	29.47	43.50	14.03	100	43	PK	Horizontal	PASS
3	125.06	42.68	-7.36	35.32	43.50	8.18	100	132	PK	Horizontal	PASS
4	199.75	38.20	-4.06	34.14	43.50	9.36	100	2	PK	Horizontal	PASS
5	249.705	38.43	-3.35	35.08	46.00	10.92	100	258	PK	Horizontal	PASS
6	875.355	35.26	6.28	41.54	46.00	4.46	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	40.25	-3.41	36.84	40.00	3.16	100	114	PK	Vertical	PASS
2	125.06	47.86	-7.36	40.50	43.50	3.00	100	104	PK	Vertical	PASS
3	148.825	47.08	-8.44	38.64	43.50	4.86	100	171	PK	Vertical	PASS
4	250.19	38.14	-3.33	34.81	46.00	11.19	100	168	PK	Vertical	PASS
5	374.835	34.69	-0.72	33.97	46.00	12.03	100	276	PK	Vertical	PASS
6	875.355	35.13	6.28	41.41	46.00	4.59	100	358	PK	Vertical	PASS

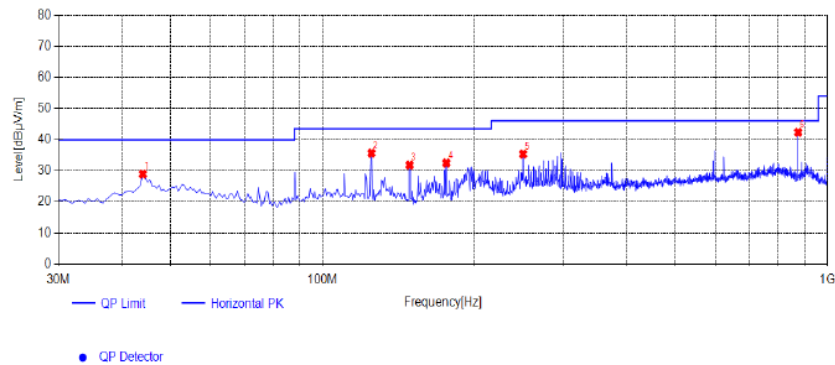
Note: 1. Result (dBμV/m) = Reading(dBμV/m) + Factor (dB) .

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

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

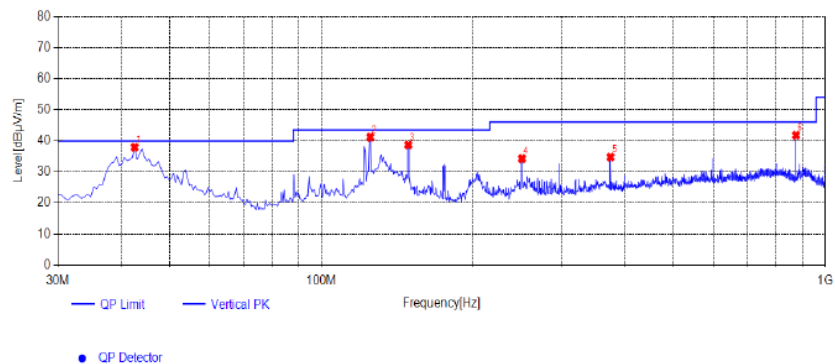
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	44.065	32.38	-3.41	28.97	40.00	11.03	100	198	PK	Horizontal	PASS
2	125.06	42.98	-7.36	35.62	43.50	7.88	100	117	PK	Horizontal	PASS
3	148.825	40.27	-8.44	31.83	43.50	11.67	100	293	PK	Horizontal	PASS
4	175.985	38.71	-6.22	32.49	43.50	11.01	100	347	PK	Horizontal	PASS
5	249.705	38.67	-3.35	35.32	46.00	10.68	100	246	PK	Horizontal	PASS
6	875.355	36.09	6.28	42.37	46.00	3.63	100	46	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	42.61	41.58	-3.71	37.87	40.00	2.13	100	87	PK	Vertical	PASS
2	125.06	48.58	-7.36	41.22	43.50	2.28	100	97	PK	Vertical	PASS
3	148.825	47.09	-8.44	38.65	43.50	4.85	100	165	PK	Vertical	PASS
4	250.19	37.57	-3.33	34.24	46.00	11.76	100	205	PK	Vertical	PASS
5	374.835	35.46	-0.72	34.74	46.00	11.26	100	282	PK	Vertical	PASS
6	875.355	35.54	6.28	41.82	46.00	4.18	100	26	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).

For 1GHz to 40GHz

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

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode Channel 36 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.05	38.55	33.13	11.26	56.73	68.20	-11.47	Peak	Horizontal
1	10360	31.87	38.55	33.13	11.26	48.55	54.00	-5.45	AV	Horizontal
1	10360	41.54	38.55	33.13	11.26	58.22	68.20	-9.98	Peak	Vertical
1	10360	28.59	38.55	33.13	11.26	45.27	54.00	-8.73	AV	Vertical

802.11a Mode Channel 40 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.31	38.55	33.13	11.26	55.99	68.20	-12.21	Peak	Horizontal
1	10400	31.34	38.55	33.13	11.26	48.02	54.00	-5.98	AV	Horizontal
1	10400	40.67	38.55	33.13	11.26	57.35	68.20	-10.85	Peak	Vertical
1	10400	29.59	38.55	33.13	11.26	46.27	54.00	-7.73	AV	Vertical

802.11a Mode Channel 48 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.50	38.55	33.13	11.26	57.18	68.20	-11.02	Peak	Horizontal
1	10480	31.14	38.55	33.13	11.26	47.82	54.00	-6.18	AV	Horizontal
1	10480	40.98	38.55	33.13	11.26	57.66	68.20	-10.54	Peak	Vertical
1	10480	28.10	38.55	33.13	11.26	44.78	54.00	-9.22	AV	Vertical

802.11ax Mode Channel 36 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	39.44	38.55	33.13	11.26	56.12	68.20	-12.08	Peak	Horizontal
1	10360	31.80	38.55	33.13	11.26	48.48	54.00	-5.52	AV	Horizontal
1	10360	40.67	38.55	33.13	11.26	57.35	68.20	-10.85	Peak	Vertical
1	10360	28.37	38.55	33.13	11.26	45.05	54.00	-8.95	AV	Vertical

802.11ax Mode Channel 40 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.85	38.55	33.13	11.26	56.53	68.20	-11.67	Peak	Horizontal
1	10400	31.24	38.55	33.13	11.26	47.92	54.00	-6.08	AV	Horizontal
1	10400	40.41	38.55	33.13	11.26	57.09	68.20	-11.11	Peak	Vertical
1	10400	29.83	38.55	33.13	11.26	46.51	54.00	-7.49	AV	Vertical

802.11ax Mode Channel 48 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.84	38.55	33.13	11.26	57.52	68.20	-10.68	Peak	Horizontal
1	10480	30.15	38.55	33.13	11.26	46.83	54.00	-7.17	AV	Horizontal
1	10480	40.07	38.55	33.13	11.26	56.75	68.20	-11.45	Peak	Vertical
1	10480	28.71	38.55	33.13	11.26	45.39	54.00	-8.61	AV	Vertical

5260-5320MHz:**IEEE 802.11a (Worst Case)****802.11a Mode_Channel 52_ 5260 MHz**

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	39.45	38.55	33.13	11.26	56.13	68.20	-12.07	Peak	Horizontal
1	10520	31.25	38.55	33.13	11.26	47.93	54.00	-6.07	AV	Horizontal
1	10520	40.20	38.55	33.13	11.26	56.88	68.20	-11.32	Peak	Vertical
1	10520	29.93	38.55	33.13	11.26	46.61	54.00	-7.39	AV	Vertical

802.11a Mode_Channel 56_ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.13	38.55	33.13	11.26	56.81	68.20	-11.39	Peak	Horizontal
1	10560	30.21	38.55	33.13	11.26	46.89	54.00	-7.11	AV	Horizontal
1	10560	40.74	38.55	33.13	11.26	57.42	68.20	-10.78	Peak	Vertical
1	10560	28.32	38.55	33.13	11.26	45.00	54.00	-9.00	AV	Vertical

802.11a Mode_Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.30	38.55	33.13	11.26	55.98	68.20	-12.22	Peak	Horizontal
1	10640	31.92	38.55	33.13	11.26	48.60	54.00	-5.40	AV	Horizontal
1	10640	41.12	38.55	33.13	11.26	57.80	68.20	-10.40	Peak	Vertical
1	10640	29.66	38.55	33.13	11.26	46.34	54.00	-7.66	AV	Vertical

802.11ax Mode_Channel 52_ 5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.02	38.55	33.13	11.26	56.70	68.20	-11.50	Peak	Horizontal
1	10520	31.31	38.55	33.13	11.26	47.99	54.00	-6.01	AV	Horizontal
1	10520	40.89	38.55	33.13	11.26	57.57	68.20	-10.63	Peak	Vertical
1	10520	29.02	38.55	33.13	11.26	45.70	54.00	-8.30	AV	Vertical

802.11ax Mode_Channel 56_ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.18	38.55	33.13	11.26	55.86	68.20	-12.34	Peak	Horizontal
1	10560	31.52	38.55	33.13	11.26	48.20	54.00	-5.80	AV	Horizontal
1	10560	40.62	38.55	33.13	11.26	57.30	68.20	-10.90	Peak	Vertical
1	10560	29.71	38.55	33.13	11.26	46.39	54.00	-7.61	AV	Vertical

802.11ax Mode_Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.86	38.55	33.13	11.26	57.54	68.20	-10.66	Peak	Horizontal
1	10640	31.03	38.55	33.13	11.26	47.71	54.00	-6.29	AV	Horizontal
1	10640	41.33	38.55	33.13	11.26	58.01	68.20	-10.19	Peak	Vertical
1	10640	28.20	38.55	33.13	11.26	44.88	54.00	-9.12	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.36	38.55	33.13	11.26	57.04	68.20	-11.16	Peak	Horizontal
1	11000	31.16	38.55	33.13	11.26	47.84	54.00	-6.16	AV	Horizontal
1	11000	41.79	38.55	33.13	11.26	58.47	68.20	-9.73	Peak	Vertical
1	11000	28.48	38.55	33.13	11.26	45.16	54.00	-8.84	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.85	38.55	33.13	11.26	56.53	68.20	-11.67	Peak	Horizontal
1	11200	30.74	38.55	33.13	11.26	47.42	54.00	-6.58	AV	Horizontal
1	11200	40.81	38.55	33.13	11.26	57.49	68.20	-10.71	Peak	Vertical
1	11200	28.21	38.55	33.13	11.26	44.89	54.00	-9.11	AV	Vertical

802.11a Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.74	38.55	33.13	11.26	56.42	68.20	-11.78	Peak	Horizontal
1	11400	31.94	38.55	33.13	11.26	48.62	54.00	-5.38	AV	Horizontal
1	11400	40.77	38.55	33.13	11.26	57.45	68.20	-10.75	Peak	Vertical
1	11400	28.80	38.55	33.13	11.26	45.48	54.00	-8.52	AV	Vertical

802.11ax Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.26	38.55	33.13	11.26	56.94	68.20	-11.26	Peak	Horizontal
1	11000	30.18	38.55	33.13	11.26	46.86	54.00	-7.14	AV	Horizontal
1	11000	41.36	38.55	33.13	11.26	58.04	68.20	-10.16	Peak	Vertical
1	11000	28.36	38.55	33.13	11.26	45.04	54.00	-8.96	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.69	38.55	33.13	11.26	57.37	68.20	-10.83	Peak	Horizontal
1	11200	31.73	38.55	33.13	11.26	48.41	54.00	-5.59	AV	Horizontal
1	11200	41.30	38.55	33.13	11.26	57.98	68.20	-10.22	Peak	Vertical
1	11200	28.72	38.55	33.13	11.26	45.40	54.00	-8.60	AV	Vertical

802.11ax Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.54	38.55	33.13	11.26	56.22	68.20	-11.98	Peak	Horizontal
1	11400	30.47	38.55	33.13	11.26	47.15	54.00	-6.85	AV	Horizontal
1	11400	41.13	38.55	33.13	11.26	57.81	68.20	-10.39	Peak	Vertical
1	11400	29.44	38.55	33.13	11.26	46.12	54.00	-7.88	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _ 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	39.11	38.55	33.13	11.26	55.79	68.20	-12.41	Peak	Horizontal
1	11490	31.06	38.55	33.13	11.26	47.74	54.00	-6.26	AV	Horizontal
1	11490	41.46	38.55	33.13	11.26	58.14	68.20	-10.06	Peak	Vertical
1	11490	28.06	38.55	33.13	11.26	44.74	54.00	-9.26	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	40.28	38.55	33.13	11.26	56.96	68.20	-11.24	Peak	Horizontal
1	11570	31.46	38.55	33.13	11.26	48.14	54.00	-5.86	AV	Horizontal
1	11570	40.45	38.55	33.13	11.26	57.13	68.20	-11.07	Peak	Vertical
1	11570	28.75	38.55	33.13	11.26	45.43	54.00	-8.57	AV	Vertical

802.11a Mode_Channel 165 _ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.70	38.55	33.13	11.26	57.38	68.20	-10.82	Peak	Horizontal
1	11650	30.66	38.55	33.13	11.26	47.34	54.00	-6.66	AV	Horizontal
1	11650	40.01	38.55	33.13	11.26	56.69	68.20	-11.51	Peak	Vertical
1	11650	29.43	38.55	33.13	11.26	46.11	54.00	-7.89	AV	Vertical

802.11ax Mode_Channel 149 _ 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	39.17	38.55	33.13	11.26	55.85	68.20	-12.35	Peak	Horizontal
1	11490	31.52	38.55	33.13	11.26	48.20	54.00	-5.80	AV	Horizontal
1	11490	41.21	38.55	33.13	11.26	57.89	68.20	-10.31	Peak	Vertical
1	11490	29.82	38.55	33.13	11.26	46.50	54.00	-7.50	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.60	38.55	33.13	11.26	56.28	68.20	-11.92	Peak	Horizontal
1	11570	31.06	38.55	33.13	11.26	47.74	54.00	-6.26	AV	Horizontal
1	11570	41.84	38.55	33.13	11.26	58.52	68.20	-9.68	Peak	Vertical
1	11570	28.41	38.55	33.13	11.26	45.09	54.00	-8.91	AV	Vertical

802.11ax Mode_Channel 165 _ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.27	38.55	33.13	11.26	56.95	68.20	-11.25	Peak	Horizontal
1	11650	31.54	38.55	33.13	11.26	48.22	54.00	-5.78	AV	Horizontal
1	11650	40.23	38.55	33.13	11.26	56.91	68.20	-11.29	Peak	Vertical
1	11650	28.39	38.55	33.13	11.26	45.07	54.00	-8.93	AV	Vertical

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

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36_ 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.02	38.55	33.13	11.26	56.70	68.20	-11.50	Peak	Horizontal
1	10360	31.37	38.55	33.13	11.26	48.05	54.00	-5.95	AV	Horizontal
1	10360	40.70	38.55	33.13	11.26	57.38	68.20	-10.82	Peak	Vertical
1	10360	28.57	38.55	33.13	11.26	45.25	54.00	-8.75	AV	Vertical

802.11a Mode_Channel 40_ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.98	38.55	33.13	11.26	56.66	68.20	-11.54	Peak	Horizontal
1	10400	30.45	38.55	33.13	11.26	47.13	54.00	-6.87	AV	Horizontal
1	10400	41.90	38.55	33.13	11.26	58.58	68.20	-9.62	Peak	Vertical
1	10400	28.61	38.55	33.13	11.26	45.29	54.00	-8.71	AV	Vertical

802.11a Mode_Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.95	38.55	33.13	11.26	57.63	68.20	-10.57	Peak	Horizontal
1	10480	31.71	38.55	33.13	11.26	48.39	54.00	-5.61	AV	Horizontal
1	10480	41.49	38.55	33.13	11.26	58.17	68.20	-10.03	Peak	Vertical
1	10480	29.73	38.55	33.13	11.26	46.41	54.00	-7.59	AV	Vertical

802.11ax Mode_Channel 36_ 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	39.93	38.55	33.13	11.26	56.61	68.20	-11.59	Peak	Horizontal
1	10360	31.72	38.55	33.13	11.26	48.40	54.00	-5.60	AV	Horizontal
1	10360	41.37	38.55	33.13	11.26	58.05	68.20	-10.15	Peak	Vertical
1	10360	28.88	38.55	33.13	11.26	45.56	54.00	-8.44	AV	Vertical

802.11ax Mode_Channel 40_ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.77	38.55	33.13	11.26	56.45	68.20	-11.75	Peak	Horizontal
1	10400	31.34	38.55	33.13	11.26	48.02	54.00	-5.98	AV	Horizontal
1	10400	40.58	38.55	33.13	11.26	57.26	68.20	-10.94	Peak	Vertical
1	10400	29.90	38.55	33.13	11.26	46.58	54.00	-7.42	AV	Vertical

802.11ax Mode_Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	39.61	38.55	33.13	11.26	56.29	68.20	-11.91	Peak	Horizontal
1	10480	31.23	38.55	33.13	11.26	47.91	54.00	-6.09	AV	Horizontal
1	10480	41.92	38.55	33.13	11.26	58.60	68.20	-9.60	Peak	Vertical
1	10480	29.98	38.55	33.13	11.26	46.66	54.00	-7.34	AV	Vertical

5260-5320MHz:**IEEE 802.11a (Worst Case)****802.11a Mode_Channel 52_ 5260 MHz**

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.43	38.55	33.13	11.26	57.11	68.20	-11.09	Peak	Horizontal
1	10520	30.69	38.55	33.13	11.26	47.37	54.00	-6.63	AV	Horizontal
1	10520	41.23	38.55	33.13	11.26	57.91	68.20	-10.29	Peak	Vertical
1	10520	29.41	38.55	33.13	11.26	46.09	54.00	-7.91	AV	Vertical

802.11a Mode_Channel 56_ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.66	38.55	33.13	11.26	56.34	68.20	-11.86	Peak	Horizontal
1	10560	30.09	38.55	33.13	11.26	46.77	54.00	-7.23	AV	Horizontal
1	10560	41.77	38.55	33.13	11.26	58.45	68.20	-9.75	Peak	Vertical
1	10560	29.22	38.55	33.13	11.26	45.90	54.00	-8.10	AV	Vertical

802.11a Mode_Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.15	38.55	33.13	11.26	55.83	68.20	-12.37	Peak	Horizontal
1	10640	31.71	38.55	33.13	11.26	48.39	54.00	-5.61	AV	Horizontal
1	10640	41.92	38.55	33.13	11.26	58.60	68.20	-9.60	Peak	Vertical
1	10640	29.45	38.55	33.13	11.26	46.13	54.00	-7.87	AV	Vertical

802.11ax Mode_Channel 52_ 5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	39.97	38.55	33.13	11.26	56.65	68.20	-11.55	Peak	Horizontal
1	10520	30.80	38.55	33.13	11.26	47.48	54.00	-6.52	AV	Horizontal
1	10520	40.14	38.55	33.13	11.26	56.82	68.20	-11.38	Peak	Vertical
1	10520	28.08	38.55	33.13	11.26	44.76	54.00	-9.24	AV	Vertical

802.11ax Mode_Channel 56_ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.84	38.55	33.13	11.26	56.52	68.20	-11.68	Peak	Horizontal
1	10560	31.19	38.55	33.13	11.26	47.87	54.00	-6.13	AV	Horizontal
1	10560	40.93	38.55	33.13	11.26	57.61	68.20	-10.59	Peak	Vertical
1	10560	28.66	38.55	33.13	11.26	45.34	54.00	-8.66	AV	Vertical

802.11ax Mode_Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.47	38.55	33.13	11.26	56.15	68.20	-12.05	Peak	Horizontal
1	10640	30.83	38.55	33.13	11.26	47.51	54.00	-6.49	AV	Horizontal
1	10640	41.56	38.55	33.13	11.26	58.24	68.20	-9.96	Peak	Vertical
1	10640	28.03	38.55	33.13	11.26	44.71	54.00	-9.29	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.43	38.55	33.13	11.26	56.11	68.20	-12.09	Peak	Horizontal
1	11000	31.10	38.55	33.13	11.26	47.78	54.00	-6.22	AV	Horizontal
1	11000	41.68	38.55	33.13	11.26	58.36	68.20	-9.84	Peak	Vertical
1	11000	28.39	38.55	33.13	11.26	45.07	54.00	-8.93	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.55	38.55	33.13	11.26	56.23	68.20	-11.97	Peak	Horizontal
1	11200	30.41	38.55	33.13	11.26	47.09	54.00	-6.91	AV	Horizontal
1	11200	41.78	38.55	33.13	11.26	58.46	68.20	-9.74	Peak	Vertical
1	11200	28.57	38.55	33.13	11.26	45.25	54.00	-8.75	AV	Vertical

802.11a Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	40.40	38.55	33.13	11.26	57.08	68.20	-11.12	Peak	Horizontal
1	11400	30.76	38.55	33.13	11.26	47.44	54.00	-6.56	AV	Horizontal
1	11400	40.20	38.55	33.13	11.26	56.88	68.20	-11.32	Peak	Vertical
1	11400	29.48	38.55	33.13	11.26	46.16	54.00	-7.84	AV	Vertical

802.11ax Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.44	38.55	33.13	11.26	56.12	68.20	-12.08	Peak	Horizontal
1	11000	30.79	38.55	33.13	11.26	47.47	54.00	-6.53	AV	Horizontal
1	11000	40.06	38.55	33.13	11.26	56.74	68.20	-11.46	Peak	Vertical
1	11000	29.85	38.55	33.13	11.26	46.53	54.00	-7.47	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.34	38.55	33.13	11.26	57.02	68.20	-11.18	Peak	Horizontal
1	11200	31.86	38.55	33.13	11.26	48.54	54.00	-5.46	AV	Horizontal
1	11200	40.19	38.55	33.13	11.26	56.87	68.20	-11.33	Peak	Vertical
1	11200	28.27	38.55	33.13	11.26	44.95	54.00	-9.05	AV	Vertical

802.11ax Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.46	38.55	33.13	11.26	56.14	68.20	-12.06	Peak	Horizontal
1	11400	30.30	38.55	33.13	11.26	46.98	54.00	-7.02	AV	Horizontal
1	11400	40.99	38.55	33.13	11.26	57.67	68.20	-10.53	Peak	Vertical
1	11400	28.75	38.55	33.13	11.26	45.43	54.00	-8.57	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _ 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.84	38.55	33.13	11.26	57.52	68.20	-10.68	Peak	Horizontal
1	11490	31.00	38.55	33.13	11.26	47.68	54.00	-6.32	AV	Horizontal
1	11490	41.39	38.55	33.13	11.26	58.07	68.20	-10.13	Peak	Vertical
1	11490	29.74	38.55	33.13	11.26	46.42	54.00	-7.58	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	40.34	38.55	33.13	11.26	57.02	68.20	-11.18	Peak	Horizontal
1	11570	30.15	38.55	33.13	11.26	46.83	54.00	-7.17	AV	Horizontal
1	11570	40.15	38.55	33.13	11.26	56.83	68.20	-11.37	Peak	Vertical
1	11570	28.44	38.55	33.13	11.26	45.12	54.00	-8.88	AV	Vertical

802.11a Mode_Channel 165 _ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	39.57	38.55	33.13	11.26	56.25	68.20	-11.95	Peak	Horizontal
1	11650	31.54	38.55	33.13	11.26	48.22	54.00	-5.78	AV	Horizontal
1	11650	41.64	38.55	33.13	11.26	58.32	68.20	-9.88	Peak	Vertical
1	11650	29.03	38.55	33.13	11.26	45.71	54.00	-8.29	AV	Vertical

802.11ax Mode_Channel 149 _ 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.05	38.55	33.13	11.26	56.73	68.20	-11.47	Peak	Horizontal
1	11490	30.62	38.55	33.13	11.26	47.30	54.00	-6.70	AV	Horizontal
1	11490	40.82	38.55	33.13	11.26	57.50	68.20	-10.70	Peak	Vertical
1	11490	28.62	38.55	33.13	11.26	45.30	54.00	-8.70	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.48	38.55	33.13	11.26	56.16	68.20	-12.04	Peak	Horizontal
1	11570	30.47	38.55	33.13	11.26	47.15	54.00	-6.85	AV	Horizontal
1	11570	40.99	38.55	33.13	11.26	57.67	68.20	-10.53	Peak	Vertical
1	11570	28.42	38.55	33.13	11.26	45.10	54.00	-8.90	AV	Vertical

802.11ax Mode_Channel 165 _ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.83	38.55	33.13	11.26	57.51	68.20	-10.69	Peak	Horizontal
1	11650	30.05	38.55	33.13	11.26	46.73	54.00	-7.27	AV	Horizontal
1	11650	40.62	38.55	33.13	11.26	57.30	68.20	-10.90	Peak	Vertical
1	11650	29.84	38.55	33.13	11.26	46.52	54.00	-7.48	AV	Vertical

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

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36_ 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.09	38.55	33.13	11.26	56.77	68.20	-11.43	Peak	Horizontal
1	10360	30.76	38.55	33.13	11.26	47.44	54.00	-6.56	AV	Horizontal
1	10360	40.04	38.55	33.13	11.26	56.72	68.20	-11.48	Peak	Vertical
1	10360	29.45	38.55	33.13	11.26	46.13	54.00	-7.87	AV	Vertical

802.11a Mode_Channel 40_ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.68	38.55	33.13	11.26	56.36	68.20	-11.84	Peak	Horizontal
1	10400	30.40	38.55	33.13	11.26	47.08	54.00	-6.92	AV	Horizontal
1	10400	40.70	38.55	33.13	11.26	57.38	68.20	-10.82	Peak	Vertical
1	10400	28.91	38.55	33.13	11.26	45.59	54.00	-8.41	AV	Vertical

802.11a Mode_Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.15	38.55	33.13	11.26	56.83	68.20	-11.37	Peak	Horizontal
1	10480	31.82	38.55	33.13	11.26	48.50	54.00	-5.50	AV	Horizontal
1	10480	41.93	38.55	33.13	11.26	58.61	68.20	-9.59	Peak	Vertical
1	10480	28.81	38.55	33.13	11.26	45.49	54.00	-8.51	AV	Vertical

802.11ax Mode_Channel 36_ 5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.39	38.55	33.13	11.26	57.07	68.20	-11.13	Peak	Horizontal
1	10360	30.41	38.55	33.13	11.26	47.09	54.00	-6.91	AV	Horizontal
1	10360	40.54	38.55	33.13	11.26	57.22	68.20	-10.98	Peak	Vertical
1	10360	28.11	38.55	33.13	11.26	44.79	54.00	-9.21	AV	Vertical

802.11ax Mode_Channel 40_ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	40.49	38.55	33.13	11.26	57.17	68.20	-11.03	Peak	Horizontal
1	10400	31.56	38.55	33.13	11.26	48.24	54.00	-5.76	AV	Horizontal
1	10400	41.82	38.55	33.13	11.26	58.50	68.20	-9.70	Peak	Vertical
1	10400	28.35	38.55	33.13	11.26	45.03	54.00	-8.97	AV	Vertical

802.11ax Mode_Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.90	38.55	33.13	11.26	57.58	68.20	-10.62	Peak	Horizontal
1	10480	30.44	38.55	33.13	11.26	47.12	54.00	-6.88	AV	Horizontal
1	10480	40.48	38.55	33.13	11.26	57.16	68.20	-11.04	Peak	Vertical
1	10480	28.00	38.55	33.13	11.26	44.68	54.00	-9.32	AV	Vertical

5260-5320MHz:**IEEE 802.11a (Worst Case)****802.11a Mode Channel 52 5260 MHz**

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	39.25	38.55	33.13	11.26	55.93	68.20	-12.27	Peak	Horizontal
1	10520	30.08	38.55	33.13	11.26	46.76	54.00	-7.24	AV	Horizontal
1	10520	41.47	38.55	33.13	11.26	58.15	68.20	-10.05	Peak	Vertical
1	10520	29.28	38.55	33.13	11.26	45.96	54.00	-8.04	AV	Vertical

802.11a Mode Channel 56 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.84	38.55	33.13	11.26	56.52	68.20	-11.68	Peak	Horizontal
1	10560	31.77	38.55	33.13	11.26	48.45	54.00	-5.55	AV	Horizontal
1	10560	41.00	38.55	33.13	11.26	57.68	68.20	-10.52	Peak	Vertical
1	10560	29.07	38.55	33.13	11.26	45.75	54.00	-8.25	AV	Vertical

802.11a Mode Channel 64 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Horizontal
1	10640	30.25	38.55	33.13	11.26	46.93	54.00	-7.07	AV	Horizontal
1	10640	40.18	38.55	33.13	11.26	56.86	68.20	-11.34	Peak	Vertical
1	10640	29.31	38.55	33.13	11.26	45.99	54.00	-8.01	AV	Vertical

802.11ax Mode Channel 52 5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	39.58	38.55	33.13	11.26	56.26	68.20	-11.94	Peak	Horizontal
1	10520	31.62	38.55	33.13	11.26	48.30	54.00	-5.70	AV	Horizontal
1	10520	41.58	38.55	33.13	11.26	58.26	68.20	-9.94	Peak	Vertical
1	10520	28.39	38.55	33.13	11.26	45.07	54.00	-8.93	AV	Vertical

802.11ax Mode Channel 56 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.13	38.55	33.13	11.26	55.81	68.20	-12.39	Peak	Horizontal
1	10560	31.36	38.55	33.13	11.26	48.04	54.00	-5.96	AV	Horizontal
1	10560	41.34	38.55	33.13	11.26	58.02	68.20	-10.18	Peak	Vertical
1	10560	29.92	38.55	33.13	11.26	46.60	54.00	-7.40	AV	Vertical

802.11ax Mode Channel 64 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.96	38.55	33.13	11.26	57.64	68.20	-10.56	Peak	Horizontal
1	10640	30.20	38.55	33.13	11.26	46.88	54.00	-7.12	AV	Horizontal
1	10640	40.29	38.55	33.13	11.26	56.97	68.20	-11.23	Peak	Vertical
1	10640	28.90	38.55	33.13	11.26	45.58	54.00	-8.42	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.63	38.55	33.13	11.26	56.31	68.20	-11.89	Peak	Horizontal
1	11000	30.38	38.55	33.13	11.26	47.06	54.00	-6.94	AV	Horizontal
1	11000	41.10	38.55	33.13	11.26	57.78	68.20	-10.42	Peak	Vertical
1	11000	29.30	38.55	33.13	11.26	45.98	54.00	-8.02	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.12	38.55	33.13	11.26	55.80	68.20	-12.40	Peak	Horizontal
1	11200	31.27	38.55	33.13	11.26	47.95	54.00	-6.05	AV	Horizontal
1	11200	41.97	38.55	33.13	11.26	58.65	68.20	-9.55	Peak	Vertical
1	11200	28.40	38.55	33.13	11.26	45.08	54.00	-8.92	AV	Vertical

802.11a Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	40.56	38.55	33.13	11.26	57.24	68.20	-10.96	Peak	Horizontal
1	11400	30.15	38.55	33.13	11.26	46.83	54.00	-7.17	AV	Horizontal
1	11400	41.23	38.55	33.13	11.26	57.91	68.20	-10.29	Peak	Vertical
1	11400	28.39	38.55	33.13	11.26	45.07	54.00	-8.93	AV	Vertical

802.11ax Mode_Channel 100 _ 5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.11	38.55	33.13	11.26	56.79	68.20	-11.41	Peak	Horizontal
1	11000	31.85	38.55	33.13	11.26	48.53	54.00	-5.47	AV	Horizontal
1	11000	40.76	38.55	33.13	11.26	57.44	68.20	-10.76	Peak	Vertical
1	11000	29.21	38.55	33.13	11.26	45.89	54.00	-8.11	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.72	38.55	33.13	11.26	57.40	68.20	-10.80	Peak	Horizontal
1	11200	30.35	38.55	33.13	11.26	47.03	54.00	-6.97	AV	Horizontal
1	11200	40.65	38.55	33.13	11.26	57.33	68.20	-10.87	Peak	Vertical
1	11200	28.01	38.55	33.13	11.26	44.69	54.00	-9.31	AV	Vertical

802.11ax Mode_Channel 140 _ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.14	38.55	33.13	11.26	55.82	68.20	-12.38	Peak	Horizontal
1	11400	31.49	38.55	33.13	11.26	48.17	54.00	-5.83	AV	Horizontal
1	11400	40.68	38.55	33.13	11.26	57.36	68.20	-10.84	Peak	Vertical
1	11400	28.30	38.55	33.13	11.26	44.98	54.00	-9.02	AV	Vertical

5725-5850MHz:
IEEE 802.11a (Worst Case)

802.11a Mode Channel 149 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.27	38.55	33.13	11.26	56.95	68.20	-11.25	Peak	Horizontal
1	11490	30.74	38.55	33.13	11.26	47.42	54.00	-6.58	AV	Horizontal
1	11490	40.03	38.55	33.13	11.26	56.71	68.20	-11.49	Peak	Vertical
1	11490	29.15	38.55	33.13	11.26	45.83	54.00	-8.17	AV	Vertical

802.11a Mode Channel 157 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.76	38.55	33.13	11.26	56.44	68.20	-11.76	Peak	Horizontal
1	11570	31.39	38.55	33.13	11.26	48.07	54.00	-5.93	AV	Horizontal
1	11570	41.15	38.55	33.13	11.26	57.83	68.20	-10.37	Peak	Vertical
1	11570	28.25	38.55	33.13	11.26	44.93	54.00	-9.07	AV	Vertical

802.11a Mode Channel 165 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.29	38.55	33.13	11.26	56.97	68.20	-11.23	Peak	Horizontal
1	11650	30.20	38.55	33.13	11.26	46.88	54.00	-7.12	AV	Horizontal
1	11650	41.30	38.55	33.13	11.26	57.98	68.20	-10.22	Peak	Vertical
1	11650	29.19	38.55	33.13	11.26	45.87	54.00	-8.13	AV	Vertical

802.11ax Mode Channel 149 5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	39.35	38.55	33.13	11.26	56.03	68.20	-12.17	Peak	Horizontal
1	11490	31.98	38.55	33.13	11.26	48.66	54.00	-5.34	AV	Horizontal
1	11490	41.64	38.55	33.13	11.26	58.32	68.20	-9.88	Peak	Vertical
1	11490	29.88	38.55	33.13	11.26	46.56	54.00	-7.44	AV	Vertical

802.11ax Mode Channel 157 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.86	38.55	33.13	11.26	56.54	68.20	-11.66	Peak	Horizontal
1	11570	31.72	38.55	33.13	11.26	48.40	54.00	-5.60	AV	Horizontal
1	11570	40.07	38.55	33.13	11.26	56.75	68.20	-11.45	Peak	Vertical
1	11570	29.31	38.55	33.13	11.26	45.99	54.00	-8.01	AV	Vertical

802.11ax Mode Channel 165 5825 MHz

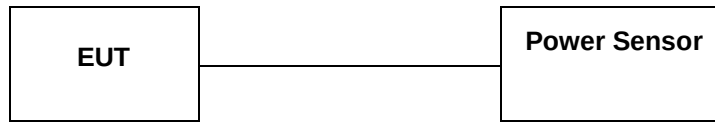
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.70	38.55	33.13	11.26	57.38	68.20	-10.82	Peak	Horizontal
1	11650	31.36	38.55	33.13	11.26	48.04	54.00	-5.96	AV	Horizontal
1	11650	41.82	38.55	33.13	11.26	58.50	68.20	-9.70	Peak	Vertical
1	11650	28.79	38.55	33.13	11.26	45.47	54.00	-8.53	AV	Vertical

REMARKS:

1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. Margin = Result Level - Limit
3. The other emission levels were very low against the limit.
4. Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=10Hz/Sweep time=Auto/Detector=Peak;

4.3. Maximum Average Output Power

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01 Measurement using a Power Meter (PM):

- a. Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied
 1. The EUT is configured to transmit continuously or to transmit with a constant duty cycle
 2. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
 3. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b. If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B
- c. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent).

LIMIT

According to §15.407(a): The maximum output power should be not exceed follow:

Frequency Range (MHz)	Limit
5150-5250	Fixed: 1 Watt (30dBm) Mobile and portable: 250mW (24dBm)
5250-5350	250mW (24dBm)
5470-5725	250mW (24dBm)
5725-5850	1 Watt (30dBm)
Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)	

TEST RESULTS

Pass

5180-5240MHz

Test Mode	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Original	New	Limit [dBm]	Verdict
					Result [dBm]	Result [dBm]		
11A	5180	10.88	93.15	0.31	11.85	11.19	≤23.98	PASS
	5200	11.12	92.69	0.33	12.03	11.45	≤23.98	PASS
	5240	11.36	89.82	0.47	12.40	11.83	≤23.98	PASS
11N20SISO	5180	10.45	90.43	0.44	11.39	10.89	≤23.98	PASS
	5200	10.74	88.73	0.52	11.82	11.26	≤23.98	PASS
	5240	11.28	88.32	0.54	12.44	11.82	≤23.98	PASS
11N40SISO	5190	10.17	80.17	0.96	11.83	11.13	≤23.98	PASS
	5230	10.54	72.09	1.42	12.60	11.96	≤23.98	PASS
11AC20SISO	5180	10.28	89.20	0.50	11.46	10.78	≤23.98	PASS
	5200	10.85	92.68	0.33	11.87	11.18	≤23.98	PASS
	5240	11.13	89.62	0.48	12.35	11.61	≤23.98	PASS
11AC40SISO	5190	10.09	76.23	1.18	11.91	11.27	≤23.98	PASS
	5230	10.36	61.84	2.09	13.24	12.45	≤23.98	PASS
11AC80SISO	5210	10.01	56.79	2.46	13.03	12.47	≤23.98	PASS
11AX20SISO	5180	10.53	87.43	0.58	11.70	11.11	≤23.98	PASS
	5200	10.66	89.02	0.51	12.02	11.17	≤23.98	PASS
	5240	11.17	87.43	0.58	12.38	11.75	≤23.98	PASS
11AX40SISO	5190	10.39	81.91	0.87	11.72	11.26	≤23.98	PASS
	5230	10.41	62.10	2.07	13.08	12.48	≤23.98	PASS
11AX80SISO	5210	9.09	45.35	3.43	13.19	12.52	≤23.98	PASS

5260-5320MHz

Test Mode	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Original	New	Limit [dBm]	Verdict
					Result [dBm]	Result [dBm]		
11A	5260	12.15	90.63	0.43	13.23	12.58	≤23.98	PASS
	5280	11.69	82.19	0.85	13.28	12.54	≤23.98	PASS
	5320	12.43	90.67	0.43	13.47	12.86	≤23.98	PASS
11N20SISO	5260	14.72	94.03	0.27	15.48	14.99	≤23.98	PASS
	5280	14.68	90.05	0.46	15.87	15.14	≤23.98	PASS
	5320	15.22	81.12	0.91	16.71	16.13	≤23.98	PASS
11N40SISO	5270	14.63	84.55	0.73	15.89	15.36	≤23.98	PASS
	5310	14.12	68.61	1.64	16.17	15.76	≤23.98	PASS
11AC20SISO	5260	14.28	81.55	0.89	16.22	15.17	≤23.98	PASS
	5280	14.89	90.05	0.46	15.95	15.35	≤23.98	PASS
	5320	11.78	88.79	0.52	12.56	12.30	≤23.98	PASS
11AC40SISO	5270	10.23	80.17	0.96	11.82	11.19	≤23.98	PASS
	5310	10.17	69.12	1.60	12.43	11.77	≤23.98	PASS
11AC80SISO	5290	9.09	66.67	1.76	11.44	10.85	≤23.98	PASS
11AX20SISO	5260	12.88	75.65	1.21	14.72	14.09	≤23.98	PASS
	5280	13.69	77.25	1.12	15.44	14.81	≤23.98	PASS
	5320	13.87	86.98	0.61	14.94	14.48	≤23.98	PASS
11AX40SISO	5270	13.27	63.33	1.98	15.85	15.25	≤23.98	PASS
	5310	13.69	80.85	0.92	14.97	14.61	≤23.98	PASS
11AX80SISO	5290	12.25	64.52	1.90	14.82	14.15	≤23.98	PASS

5500-5700MHz

Test Mode	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Original	New	Limit [dBm]	Verdict
					Result [dBm]	Result [dBm]		
11A	5500	10.89	80.56	0.94	12.39	11.83	≤23.98	PASS
	5580	10.67	90.63	0.43	11.86	11.10	≤23.98	PASS
	5700	10.52	89.87	0.46	11.70	10.98	≤23.98	PASS
11N20SISO	5500	12.05	79.08	1.02	13.78	13.07	≤23.98	PASS
	5580	11.12	81.47	0.89	12.83	12.01	≤23.98	PASS
	5700	11.56	89.57	0.48	12.64	12.04	≤23.98	PASS
11N40SISO	5510	9.74	80.87	0.92	11.17	10.66	≤23.98	PASS
	5590	9.68	80.87	0.92	11.41	10.60	≤23.98	PASS
	5670	10.12	81.74	0.88	11.64	11.00	≤23.98	PASS
11AC20SISO	5500	12.05	80.17	0.96	13.72	13.01	≤23.98	PASS
	5580	12.11	89.20	0.50	13.13	12.61	≤23.98	PASS
	5700	11.35	91.79	0.37	12.62	11.72	≤23.98	PASS
11AC40SISO	5510	10.85	80.87	0.92	12.45	11.77	≤23.98	PASS
	5590	10.79	81.74	0.88	12.39	11.67	≤23.98	PASS
	5670	11.33	65.73	1.82	13.84	13.15	≤23.98	PASS
11AC80SISO	5530	10.48	48.94	3.10	14.18	13.58	≤23.98	PASS
	5610	9.67	67.65	1.70	12.10	11.37	≤23.98	PASS
11AX20SISO	5500	11.02	85.88	0.66	12.41	11.68	≤23.98	PASS
	5580	10.73	86.39	0.64	11.86	11.37	≤23.98	PASS
	5700	10.14	86.90	0.61	11.56	10.75	≤23.98	PASS
11AX40SISO	5510	10.23	81.72	0.88	11.84	11.11	≤23.98	PASS
	5590	9.38	62.30	2.06	12.45	11.44	≤23.98	PASS
	5670	10.51	81.91	0.87	11.97	11.38	≤23.98	PASS
11AX80SISO	5530	8.02	61.90	2.08	10.80	10.10	≤23.98	PASS
	5610	7.11	62.90	2.01	9.79	9.12	≤23.98	PASS

5745-5825MHz

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Original	New	Limit [dBm]	Verdict
						Result [dBm]	Result [dBm]		
11A	Ant1	5745	10.22	89.82	0.47	11.41	10.69	≤30.00	PASS
		5785	11.13	89.82	0.47	12.21	11.60	≤30.00	PASS
		5825	11.69	91.03	0.41	12.55	12.10	≤30.00	PASS
11N20SISO	Ant1	5745	13.27	89.62	0.48	14.42	13.75	≤30.00	PASS
		5785	13.69	90.00	0.46	14.92	14.15	≤30.00	PASS
		5825	11.58	89.87	0.46	12.49	12.04	≤30.00	PASS
11N40SISO	Ant1	5755	12.75	86.11	0.65	14.01	13.40	≤30.00	PASS
		5795	13.05	83.04	0.81	14.45	13.86	≤30.00	PASS
11AC20SISO	Ant1	5745	13.11	89.62	0.48	14.13	13.59	≤30.00	PASS
		5785	13.72	91.35	0.39	14.72	14.11	≤30.00	PASS
		5825	14.16	91.79	0.37	15.14	14.53	≤30.00	PASS
11AC40SISO	Ant1	5755	12.35	65.49	1.84	14.92	14.19	≤30.00	PASS
		5795	12.78	80.17	0.96	14.36	13.74	≤30.00	PASS
11AC80SISO	Ant1	5775	10.69	66.18	1.79	13.19	12.48	≤30.00	PASS
11AX20SISO	Ant1	5745	9.11	86.39	0.64	10.47	9.75	≤30.00	PASS
		5785	9.89	86.39	0.64	11.19	10.53	≤30.00	PASS
		5825	10.23	86.90	0.61	11.51	10.84	≤30.00	PASS
11AX40SISO	Ant1	5755	9.14	76.77	1.15	10.75	10.29	≤30.00	PASS
		5795	9.02	76.77	1.15	10.89	10.17	≤30.00	PASS
11AX80SISO	Ant1	5775	8.10	47.06	3.27	12.06	11.37	≤30.00	PASS

4.4. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Antenna Information

The antenna is Internal Antenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 5.11dBi.

Reference to the **GTS20250709013-6-12**.

5. TEST SETUP PHOTOS OF THE EUT

Reference to the test report No. GTS20250709013-6-12.

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. GTS20250709013-6-12.

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