

TEST REPORT

Applicant Name: Advanced Card Systems Limited
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Report Number: 2501Z86945E-RF-00BA1
FCC ID: V5MACR1555

Test Standard (s)

FCC PART 15.225

Sample Description

Product Type: ACR1555U NFC Bluetooth® Reader
Model No.: ACR1555
Multiple Model(s) No.: N/A
Trade Mark: ACS
Date Received: 2025-11-24
Issue Date: 2025-12-30

Test Result:	Pass▲
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▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Allen Bai

Allen Bai
RF Engineer

Approved By:

Nancy Wang

Nancy Wang
RF Supervisor

Note: The information marked * is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	SZ1240112-02812E-RF-00B	Original Report	2024-04-19
1	2501Z86945E-RF-00BA1	CIIPC Report	2025-12-30

Note:

This is a CIIPC report based on the report: SZ1240112-02812E-RF-00B, the details as below:

- (1) Optimized the BLE antenna.
- (2) Added a reset button.
- (3) Modified the power-on switch behavior.
- (4) Modified the power-on circuit.
- (5) Added a hardware version resistor.
- (6) Added an ESD diode to the USB power.
- (7) Modified the connection of U1 Pin 2.

Based on above differences, it will affect the partly test items, so this partly test data and test photo will be updated, other test data and photos please refer to the original report SZ1240112-02812E-RF-00B

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	ACR1555U NFC Bluetooth® Reader
Tested Model	ACR1555
Multiple Model(s)	N/A
Frequency Range	13.56 MHz
E-field Strength	82.59dBuV/m@3m(from the original report)
Modulation Technique	ASK
Voltage Range	DC 3.7V from battery or DC 5V from USB port
Sample serial number	3DAH-1 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Normal/Extreme Condition [#]	L.V.: Low Voltage: 3.15V _{DC} ; L.T.: Low Temperature -20°C N.V.: Normal Voltage: 3.7V _{DC} ; N.T.: Normal Temperature +25°C H.V.: High Voltage: 4.26V _{DC} ; H.T.: High Temperature +50°C Note: the extreme test condition was declared by manufacturer.
Adapter Information	N/A

Objective

This Type approval report is in accordance with Part 2- Subpart J, and Part 15-Subparts A and C of the Federal Communication Commissions rules.

The objective is to determine the compliance of the EUT with FCC rules, section 15.203, 15.205, 15.207, 15.209 and 15.225.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF Frequency		56.6Hz(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.63dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	0.009MHz~30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
Temperature		±1°C
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, test firm registration No.: 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user).

Note: Pre-test with or without the NFC card, the worst case is the test with the NFC card, so this mode was chosen for the full test.

EUT Exercise Software

No Exercise Software was used.

Equipment Modifications

No modification on the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Unknown	NFC Card	Unknown	Unknown
DELL	Notebook	Latitude E6410	5QYD4Q1
DELL	Adapter	DA130PE1-00	Unknown

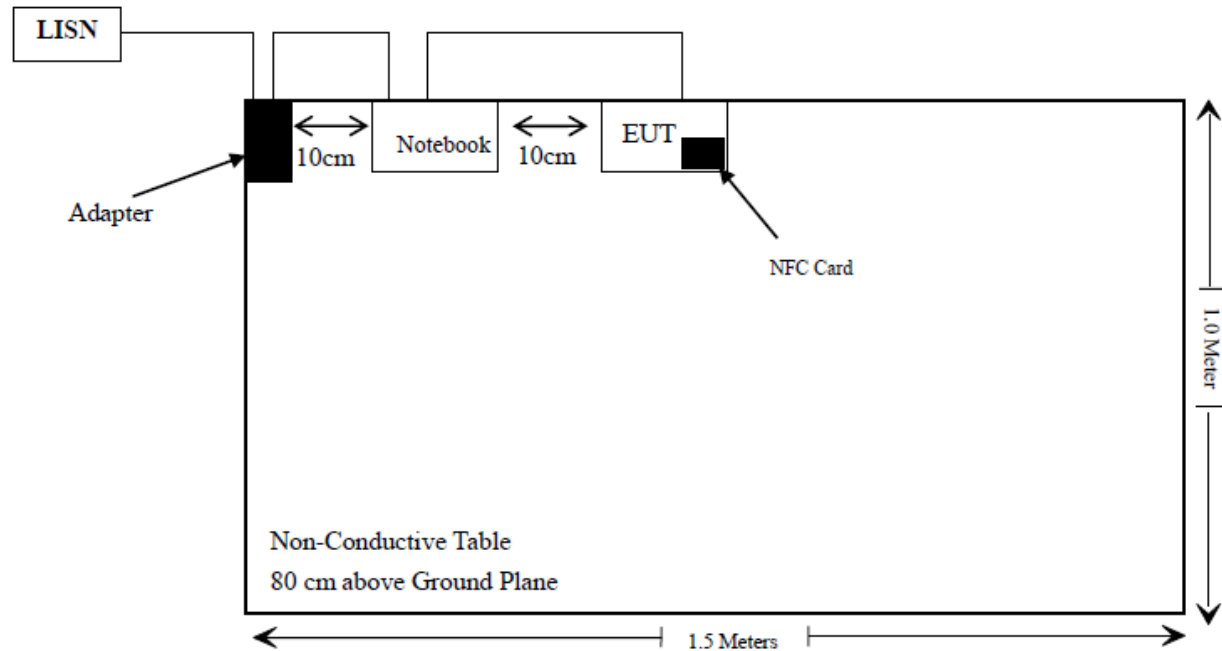
External I/O Cable

Cable Description	Length (m)	From Port	To
Unshielded Detachable AC cable	1.2	LISN	Adapter
Unshielded Un-detachable DC cable	1.5	Adapter	Notebook
Un-shielding Detachable USB Cable	1.5	EUT	Notebook

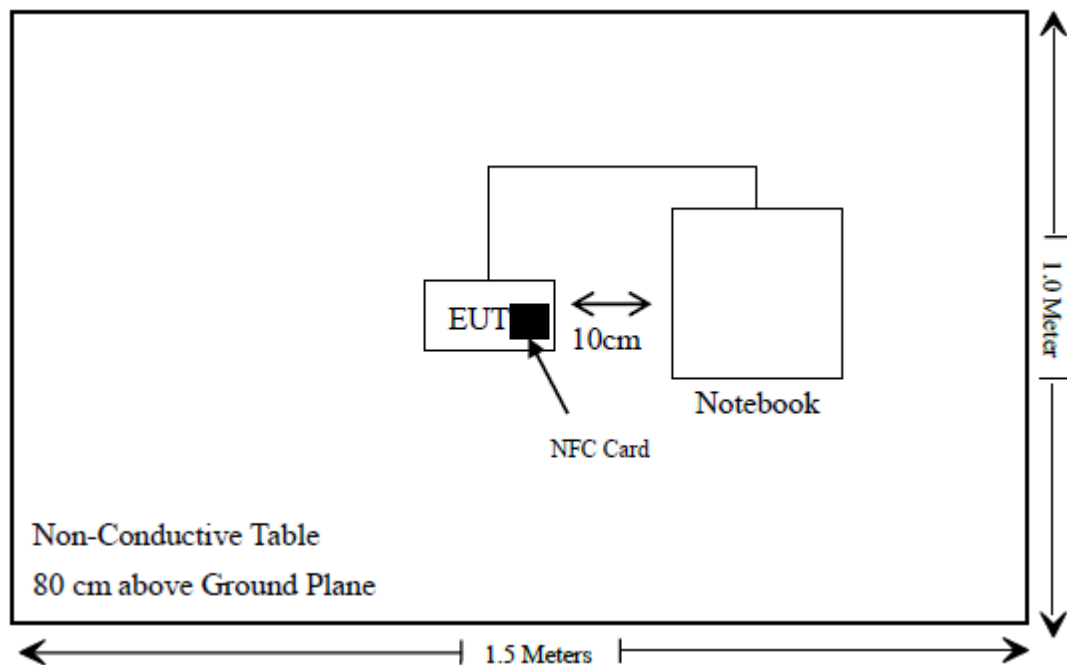
Block Diagram of Test Setup

For AC Line Conducted Emission:

With NFC Card:



For Radiated Emissions:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§1.1307 (b) (3) & §2.1091	MPE-Based Exemption	Compliant
§15.207	AC Line Conducted Emission	Compliant
§15.225 §15.209§15.205	Radiated Emission Test	Compliant
§15.225(e)	Frequency Stability	Compliant*
§15.215(c)	20dB Emission Bandwidth	Compliant*

Compliant*: Please refer to the Original report: SZ1240112-02812E-RF-00B.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2025/09/01	2026/08/31
Rohde & Schwarz	LISN	ENV216	101613	2025/09/18	2026/09/17
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2025/09/18	2026/09/17
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2025/09/18	2026/09/17
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2025/09/01	2026/08/31
Sonoma instrument	Pre-amplifier	310 N	186238	2025/09/08	2026/09/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Chamber A Cable	Cable A1	Cable A1	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A2	Cable A2	2025/09/08	2026/09/07
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Chamber A Cable	Cable A3	Cable A3	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A4	Cable A4	2025/09/08	2026/09/07
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
TDK	Chamber	Chamber A	2#	2023/07/12	2026/07/11

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 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 replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

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 § 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.

Antenna Connected Construction

The EUT has one internal antenna arrangement for NFC which was permanently attached; fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

FCC §1.1307 (B) & §2.1091- MPE-BASED EXEMPTION

Applicable Standard

According to subpart sub-part 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

R is the minimum separation distance in meters

f = frequency in MHz

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Result

Mode	Frequency (MHz)	Tune up conducted power [#]	Antenna Gain [#]		ERP		Evaluation Distance (m)	MPE-Based Exemption Threshold (mW)
		(dBm)	(dBi)	(dBd)	(dBm)	(mW)		
BLE	2402-2480	0	2.537	0.387	0.387	1.093	0.2	768

Note 1: The tune-up power and antenna gain was declared by the applicant.

Note 2: 0dBd=2.15dBi.

Note 3. For NFC, the maximum E-field strength is 82.59 dBuV/m@3m=0.13474 V/m@3m

$EIRP = (E \cdot r)^2 / 30 = (0.13474 \cdot 3)^2 / 30 = 0.05447 \text{ mW}$, the NFC limit is $3450 \cdot (0.2^2) / (13.56^2) = 0.75052 \text{ W} = 750.52 \text{ mW}$

BLE and NFC can't transmit simultaneously

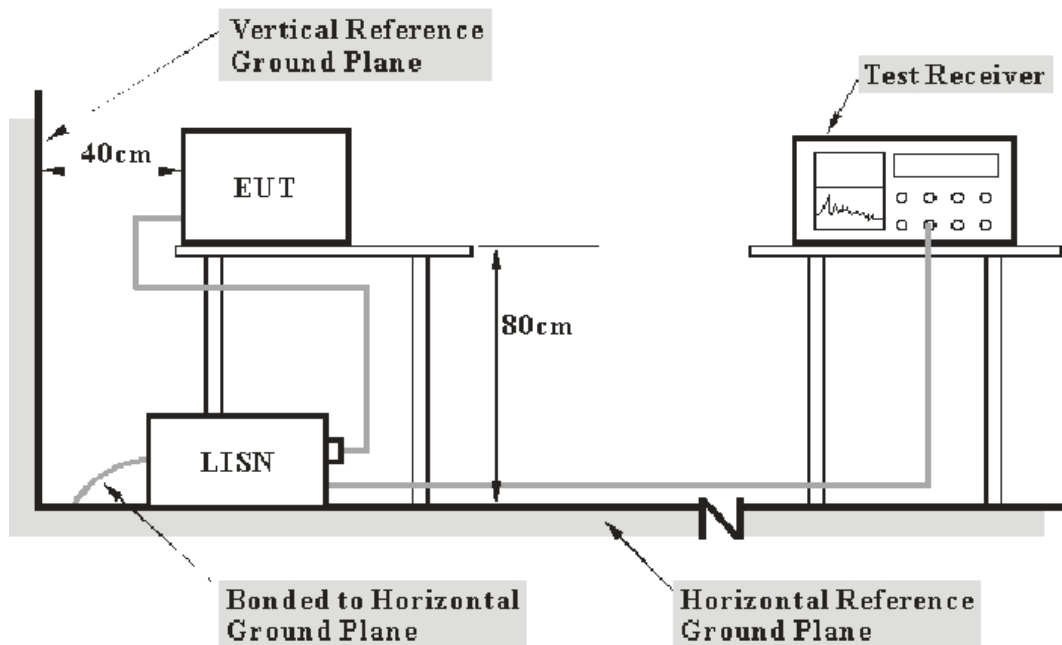
To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

FCC §15.207 - AC LINE CONDUCTED EMISSION

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW
150 kHz – 30MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Over Limit Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

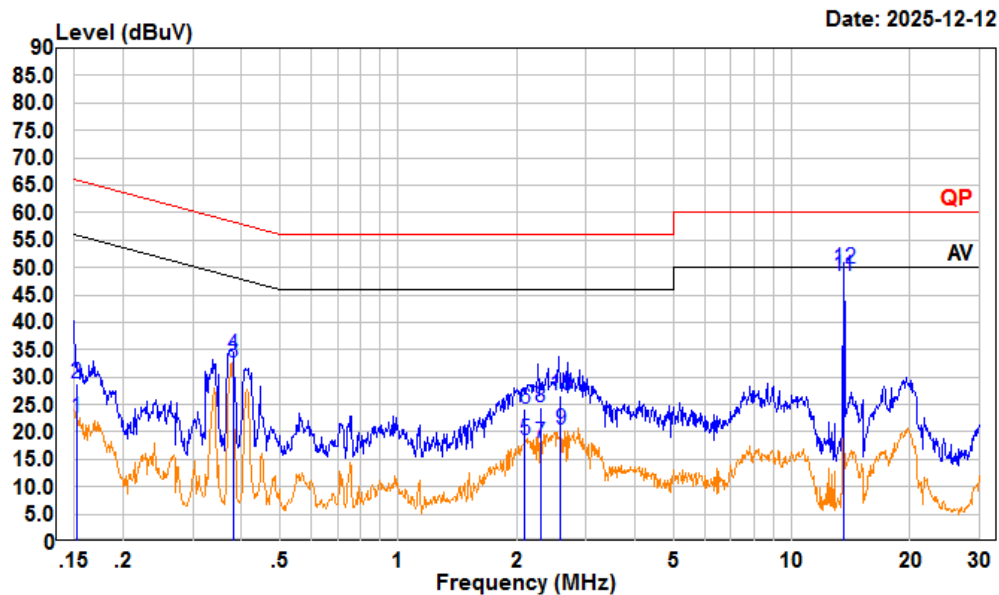
Environmental Conditions

Temperature:	24.6 °C
Relative Humidity:	47 %
ATM Pressure:	101.6 kPa

The testing was performed by Macy Shi on 2025-12-12.

Test mode: Transmitting

AC 120 V/60 Hz, Line



Condition: Line

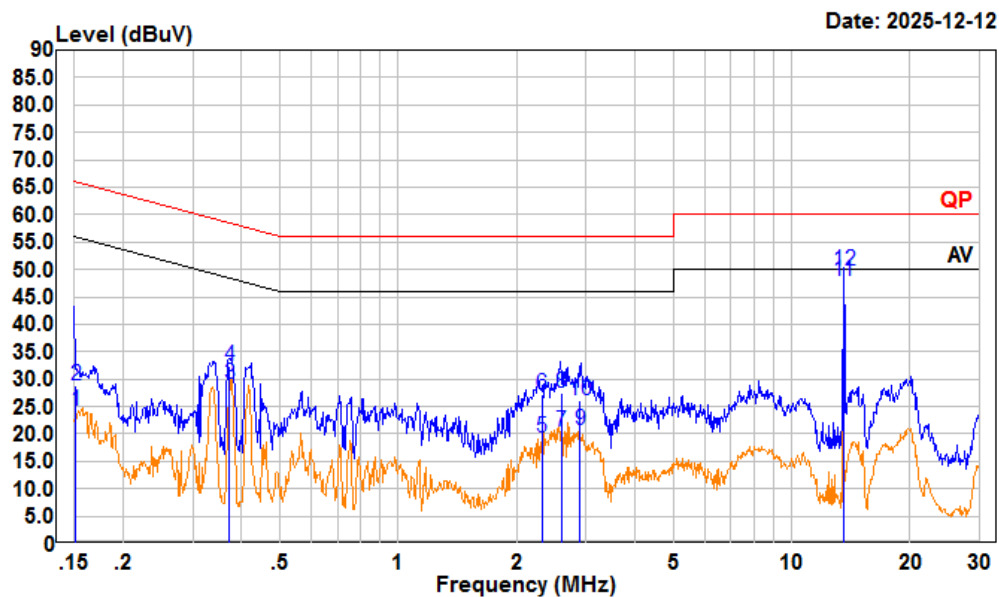
Project : 2501Z86945E-RFA1

tester : Macy.shi Note:NFC Transmitting

Setting : RBW:9kHz

	Read Freq	Level dBuV	Level dBuV	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Over Limit dB	Remark
	MHz							
1	0.152	2.98	22.70	9.70	10.02	55.89	-33.19	Average
2	0.152	9.04	28.76	9.70	10.02	65.89	-37.13	QP
3	0.380	12.93	32.73	9.77	10.03	48.29	-15.56	Average
4	0.380	14.16	33.96	9.77	10.03	58.29	-24.33	QP
5	2.098	-1.55	18.55	9.90	10.20	46.00	-27.45	Average
6	2.098	4.20	24.30	9.90	10.20	56.00	-31.70	QP
7	2.296	-2.06	18.04	9.90	10.20	46.00	-27.96	Average
8	2.296	4.51	24.61	9.90	10.20	56.00	-31.39	QP
9	2.589	0.25	20.35	9.90	10.20	46.00	-25.65	Average
10	2.589	6.62	26.72	9.90	10.20	56.00	-29.28	QP
11	13.560	28.05	48.32	9.90	10.37	50.00	-1.68	Average
12	13.560	29.60	49.87	9.90	10.37	60.00	-10.13	QP

AC 120V/ 60 Hz, Neutral



Condition: neutral

Project : 2501Z86945E-RFA1

tester : Macy.shi Note:NFC Transmitting

Setting : RBW:9kHz

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.151	4.60	24.22	9.60	10.02	55.94	-31.72	Average
2	0.151	9.28	28.90	9.60	10.02	65.94	-37.04	QP
3	0.371	9.42	29.05	9.60	10.03	48.47	-19.42	Average
4	0.371	12.78	32.41	9.60	10.03	58.47	-26.06	QP
5	2.319	-0.56	19.24	9.60	10.20	46.00	-26.76	Average
6	2.319	7.51	27.31	9.60	10.20	56.00	-28.69	QP
7	2.601	0.68	20.48	9.60	10.20	46.00	-25.52	Average
8	2.601	7.80	27.60	9.60	10.20	56.00	-28.40	QP
9	2.894	0.79	20.59	9.60	10.20	46.00	-25.41	Average
10	2.894	6.21	26.01	9.60	10.20	56.00	-29.99	QP
11	13.560	27.71	47.78	9.70	10.37	50.00	-2.22	Average
12	13.560	29.68	49.75	9.70	10.37	60.00	-10.25	QP

FCC§15.225, §15.205& §15.209 - RADIATED EMISSIONS TEST

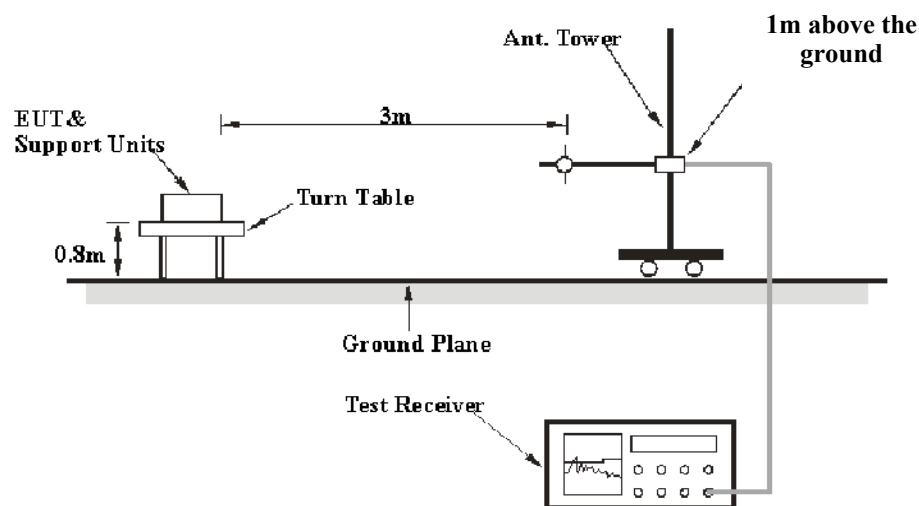
Applicable Standard

As per FCC Part 15.225

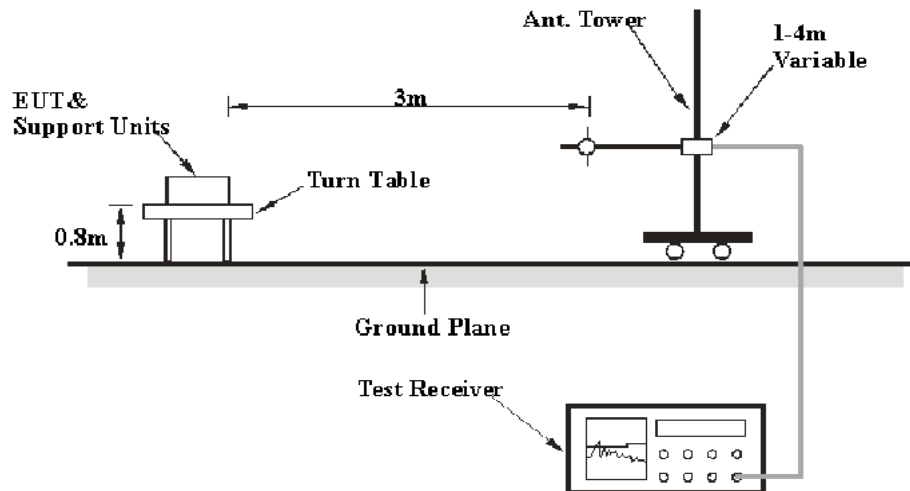
- (a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

EUT Setup

9 kHz-30MHz:



Note: Antenna is set up at 1m during test for below 30MHz.

30MHz-1GHz:

The radiated emission tests were performed in the 3-meter chamber a test site, using the setup accordance with the ANSI C63.10-2020.

EMI Test Receiver Setup

According to FCC Rules, 47 CFR 15.33, the EUT emissions were investigated up to 1000 MHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector	Measurement
9 kHz – 150 kHz	/	/	200 Hz	QP	QP
	300 Hz	1 kHz	/	PK	PK
150 kHz – 30 MHz	/	/	9 kHz	QP	QP
	10 kHz	30 kHz	/	PK	PK
30 MHz – 1000 MHz	/	/	120 kHz	QP	QP
	100 kHz	300 kHz	/	PK	PK

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz.

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform QP/Average measurement.

Factor & Over Limit/Margin Calculation

The Level is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor} &= \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain} \\ \text{Level} &= \text{Read Level} + \text{Factor}\end{aligned}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\text{Over Limit} = \text{Level} - \text{Limit}$$

Test Data

Environmental Conditions

Temperature:	24.6 °C
Relative Humidity:	47 %
ATM Pressure:	101.6 kPa

The testing was performed by Anson Su and Nico Wu from 2025-12-15 to 2025-12-30.

Test mode: Transmitting

1) Spurious Emissions (9 kHz~30 MHz):

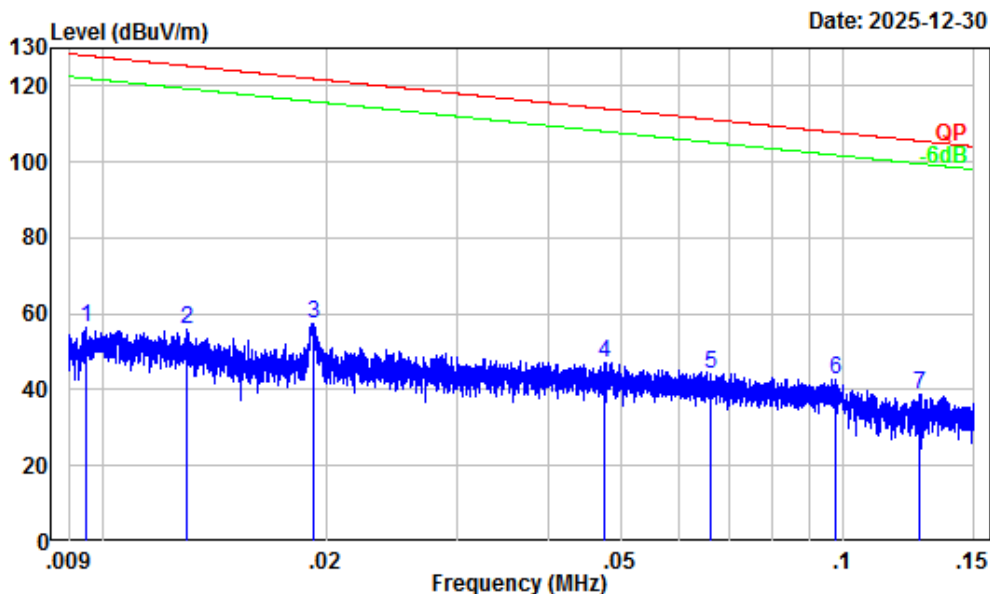
Part 15 Section 15.31(f)(2) (9kHz-30MHz)

Limit @ 3m=Limit @ 300m-40*log(3(m)/300(m))

Limit @ 3m=Limit @ 30m-40*log(3(m)/30(m))

For the radiated spurious emission below 1GHz, When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.

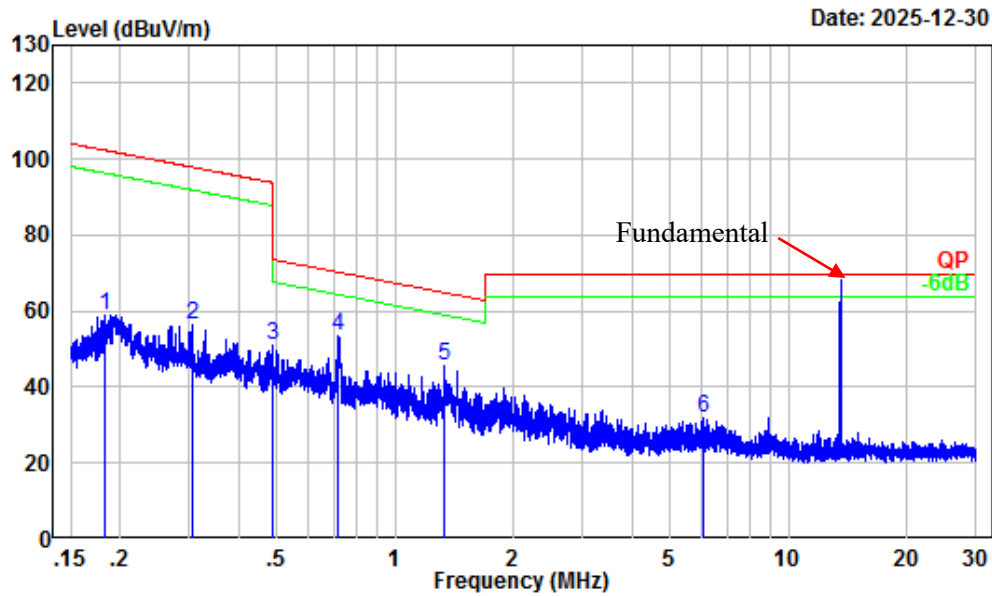
Ground-parallel
9 kHz~150 kHz



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Ground-parallel
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Nico Wu

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.010	32.40	24.21	56.61	128.05	-71.44	Peak
2	0.013	31.73	24.25	55.98	125.31	-69.33	Peak
3	0.019	30.53	27.11	57.64	121.89	-64.25	Peak
4	0.048	26.64	20.54	47.18	114.04	-66.86	Peak
5	0.066	24.80	19.59	44.39	111.21	-66.82	Peak
6	0.098	22.15	20.56	42.71	107.80	-65.09	Peak
7	0.127	20.41	18.48	38.89	105.53	-66.64	Peak

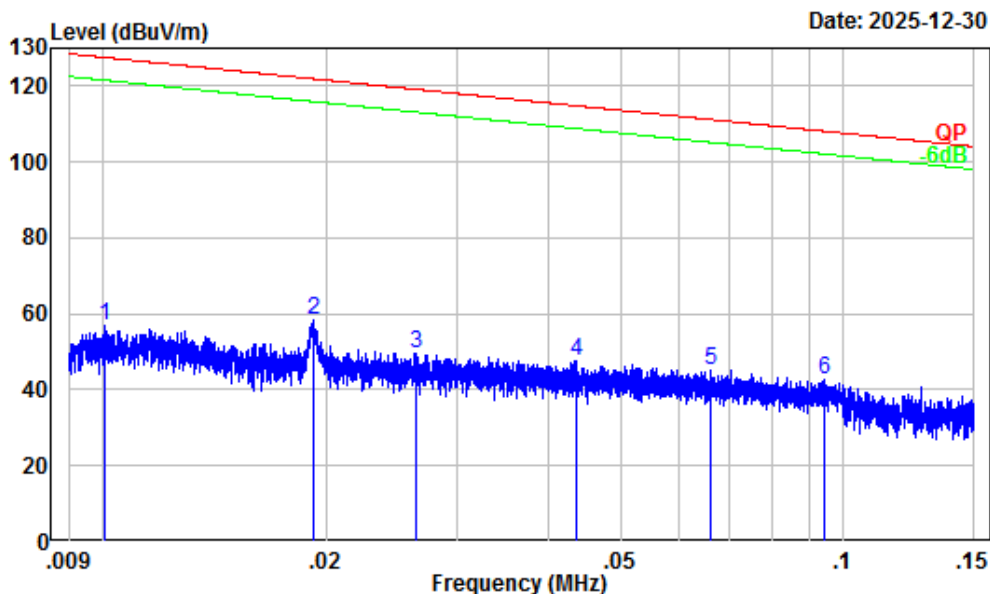
150 kHz~30 MHz



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Ground-parallel
Detector: Peak RBW/VBW: 10/30kHz
Tester : Nico Wu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.183	17.10	41.98	59.08	102.35	-43.27	Peak
2	0.305	10.11	46.38	56.49	97.93	-41.44	Peak
3	0.489	6.60	44.50	51.10	93.81	-42.71	Peak
4	0.720	3.69	49.80	53.49	70.39	-16.90	Peak
5	1.336	0.26	45.30	45.56	64.90	-19.34	Peak
6	6.052	-2.90	34.93	32.03	69.54	-37.51	Peak

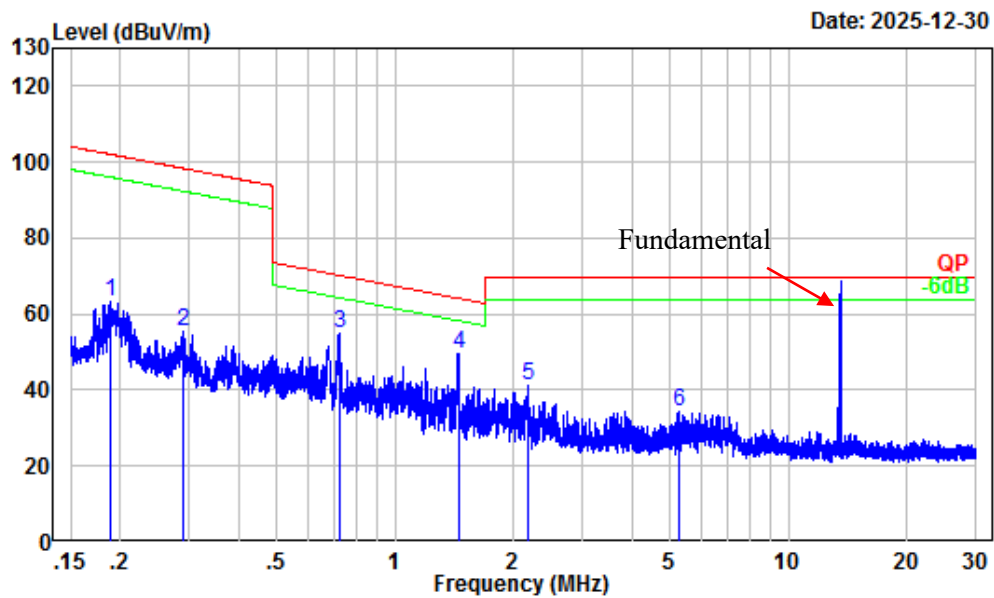
Perpendicular
9 kHz~150 kHz



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Perpendicular
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Nico Wu

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.010	32.28	24.74	57.02	127.53	-70.51	Peak
2	0.019	30.54	28.01	58.55	121.90	-63.35	Peak
3	0.026	29.17	20.19	49.36	119.15	-69.79	Peak
4	0.044	27.07	20.29	47.36	114.82	-67.46	Peak
5	0.066	24.77	20.35	45.12	111.18	-66.06	Peak
6	0.094	22.39	20.28	42.67	108.10	-65.43	Peak

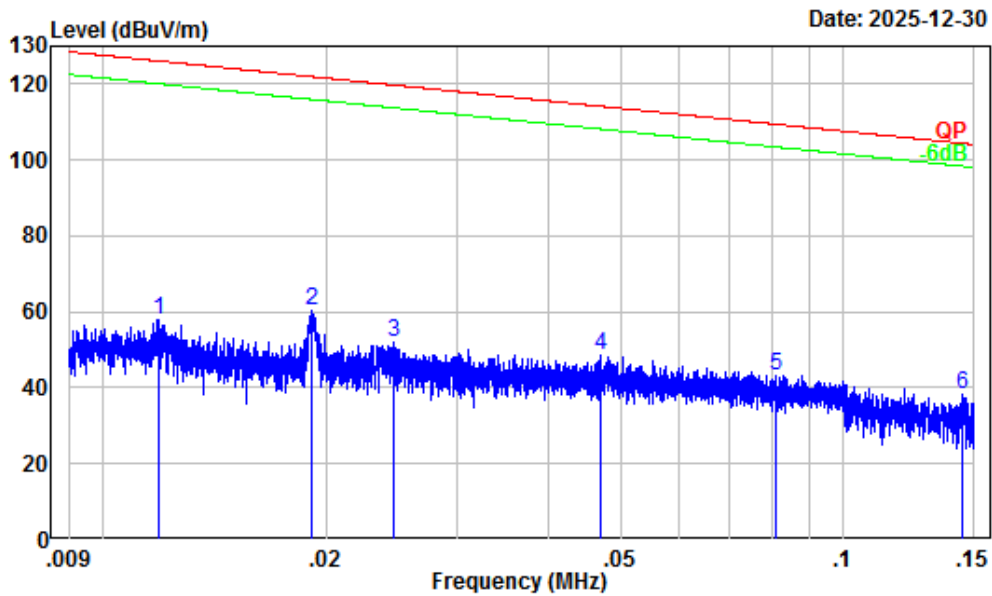
150 kHz~30 MHz



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Perpendicular
Detector: Peak RBW/VBW: 10/30kHz
Tester : Nico Wu

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	0.188	16.79	46.46	63.25	102.10	-38.85 Peak
2	0.290	10.76	44.44	55.20	98.34	-43.14 Peak
3	0.722	3.67	51.44	55.11	70.37	-15.26 Peak
4	1.450	-0.06	49.76	49.70	64.17	-14.47 Peak
5	2.170	-1.69	42.97	41.28	69.54	-28.26 Peak
6	5.273	-2.83	37.15	34.32	69.54	-35.22 Peak

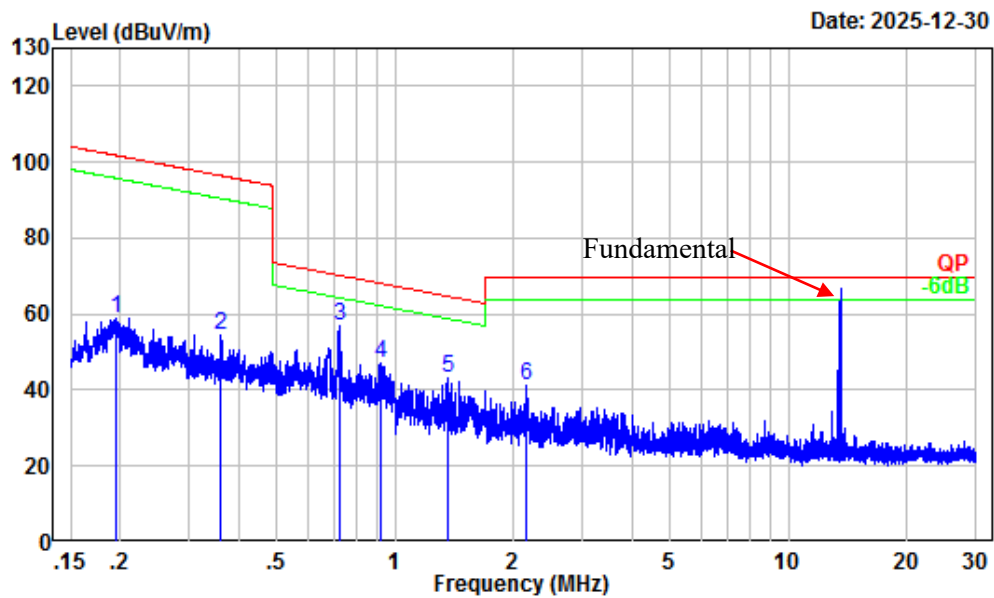
Parallel
9 kHz~150 kHz



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Parallel
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Nico Wu

	Freq	Factor	Read		Limit		Over	Remark
			Level	Level	Line	Limit		
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB		
1	0.012	31.93	26.18	58.11	126.07	-67.96	Peak	
2	0.019	30.56	29.68	60.24	121.97	-61.73	Peak	
3	0.025	29.50	22.58	52.08	119.73	-67.65	Peak	
4	0.047	26.72	21.65	48.37	114.17	-65.80	Peak	
5	0.081	23.32	20.06	43.38	109.42	-66.04	Peak	
6	0.144	19.38	18.82	38.20	104.42	-66.22	Peak	

150 kHz~30 MHz

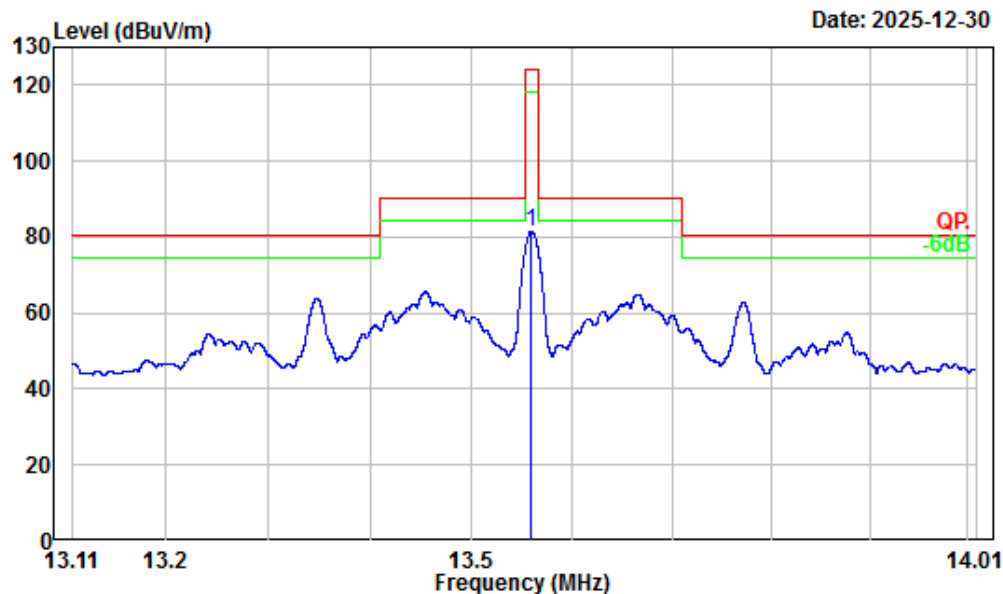


Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Parallel
Detector: Peak RBW/VBW: 10/30kHz
Tester : Nico Wu

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	0.195	16.37	42.31	58.68	101.79	-43.11 Peak
2	0.361	9.05	45.20	54.25	96.47	-42.22 Peak
3	0.722	3.66	53.03	56.69	70.36	-13.67 Peak
4	0.923	1.78	45.13	46.91	68.18	-21.27 Peak
5	1.358	0.20	42.76	42.96	64.76	-21.80 Peak
6	2.158	-1.69	42.69	41.00	69.54	-28.54 Peak

2) Emission Mask & Fundamental:

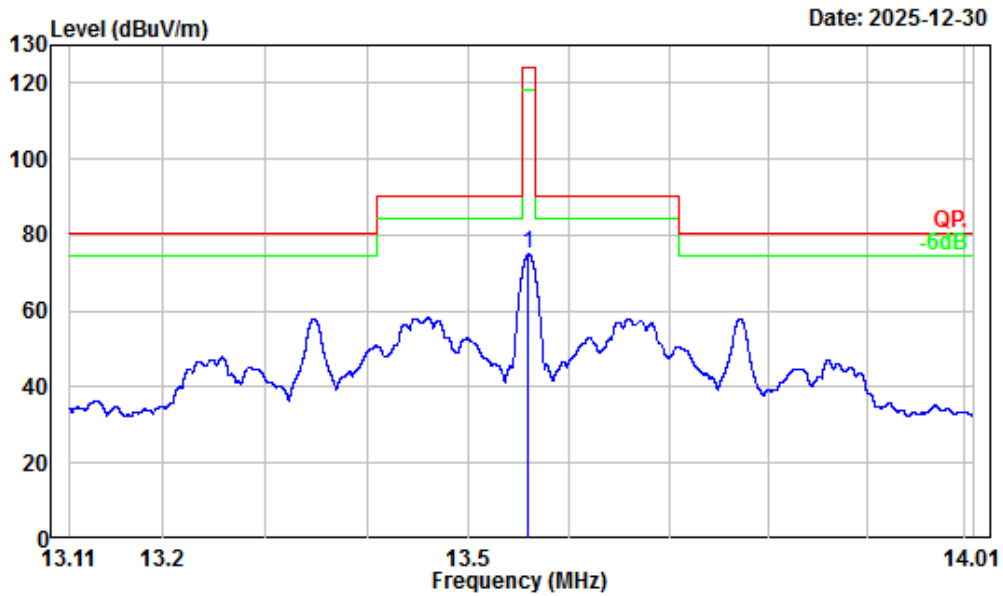
Ground-parallel



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Ground-parallel
Detector: Peak RBW/VBW: 10/30kHz
Tester : Nico Wu

Freq Factor		Read Level	Limit Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	13.560	-2.72	84.32	81.60	124.00	-42.40 Peak

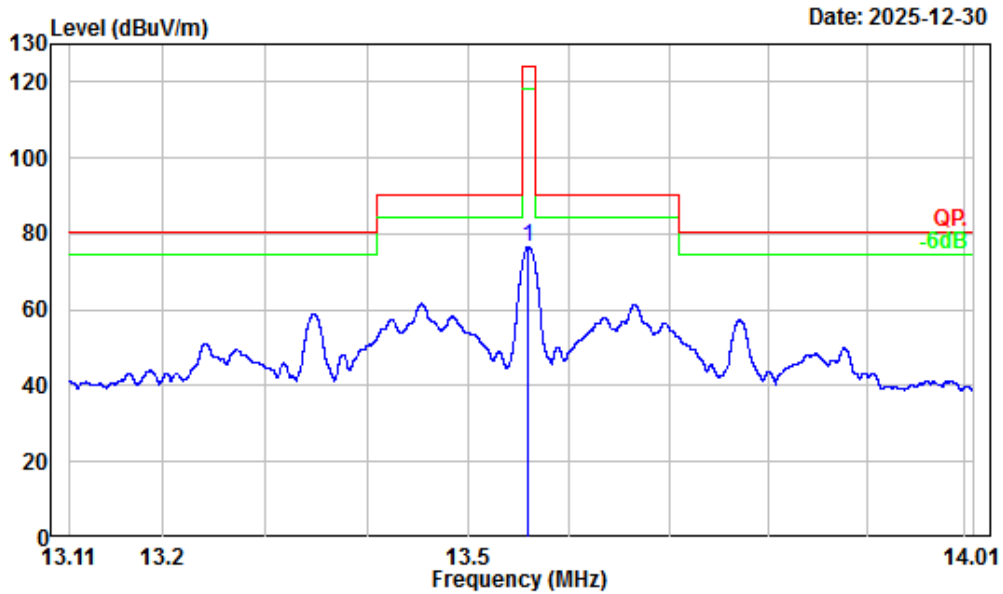
Perpendicular



Site : Chamber A
Condition : 3m
Project Number : 2501Z86945E-RFA1
Test Mode : NFC Transmitting
Note : Perpendicular
Detector: Peak RBW/VBW: 10/30kHz
Tester : Nico Wu

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	13.560	-2.72	77.73	75.01	124.00	-48.99	Peak

Parallel



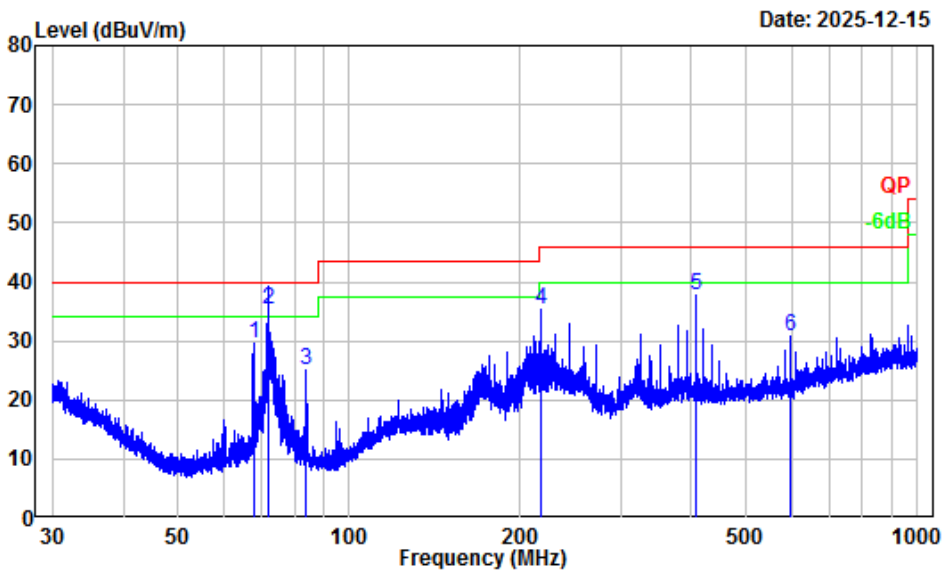
Site : Chamber A
 Condition : 3m
 Project Number : 2501Z86945E-RFA1
 Test Mode : NFC Transmitting
 Note : Parallel
 Detector: Peak RBW/VBW: 10/30kHz
 Tester : Nico Wu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	13.560	-2.72	79.38	76.66	124.00	-47.34	Peak

3) Spurious Emissions (30 MHz~1GHz):

For the radiated spurious emission below 1GHz, When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.

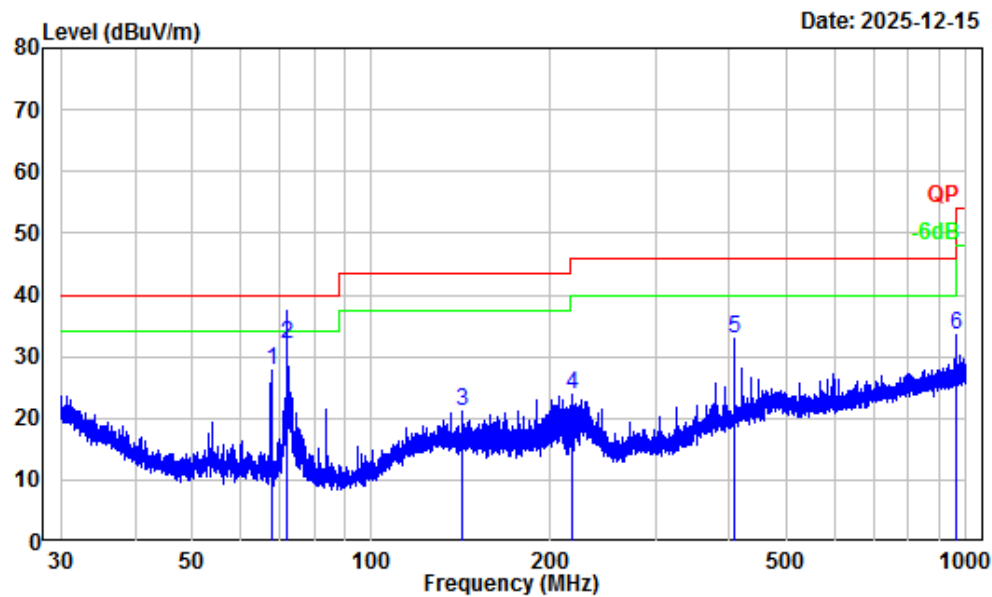
Horizontal



Site : Chamber A
 Condition : 3m Horizontal
 Project Number : 2501Z86945E-RFA1
 Test Mode : Transmitting
 Detector: Peak RBW/VBW: 100/300kHz
 Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	67.79	-17.88	47.45	29.57	40.00	-10.43	Peak
2	71.90	-17.85	53.29	35.44	40.00	-4.56	QP
3	84.04	-18.09	43.11	25.02	40.00	-14.98	Peak
4	216.97	-14.20	49.50	35.30	46.00	-10.70	Peak
5	406.80	-8.22	45.95	37.73	46.00	-8.27	Peak
6	596.70	-5.28	36.04	30.76	46.00	-15.24	Peak

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number : 2501Z86945E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	67.79	-17.88	45.76	27.88	40.00	-12.12 Peak
2	72.12	-17.85	49.99	32.14	40.00	-7.86 QP
3	141.64	-11.95	33.19	21.24	43.50	-22.26 Peak
4	216.97	-14.20	38.14	23.94	46.00	-22.06 Peak
5	406.80	-8.22	41.04	32.82	46.00	-13.18 Peak
6	960.06	-0.86	34.33	33.47	54.00	-20.53 Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2501Z86945E-RFA1-EXP External photo and 2501Z86945E-RFA1-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501Z86945E-RF-00BA1-TSP Test Setup photo.

******* END OF REPORT *******