



TEST REPORT

Applicant Name: Sendum Wireless Corp.
Address: 4500 Beedie Street Burnaby Canada V5J5L2
Report Number: 2604P40816E-EM-00A
FCC ID: TS5-PTONE

Test Standard (s)

FCC Rules and Regulations Part 15 Subpart B Class B

Sample Description

Product Name: PTOne
Model No.: PT ONE
Trade Mark: SENDUM
Date Received: 2026-01-08
Report Date: 2026-02-06

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

Lucy Song

Lucy Song
EMC Engineer

Approved By:

Bob. Liao

Bob. Liao
EMC Engineer

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Shenzhen Accurate Technology Co., Ltd.

Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Tel: +86 755-26503290

Web: www.atc-lab.com

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604P40816E-EM-00A	Original Report	2026-02-06

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	PTOne
Tested Model	PT ONE
Highest Operating Frequency	The EUT's highest operating frequency is 5825MHz [#] , the radiated emission measurement shall be made up to 29.125GHz.
Voltage Range [#]	DC 3.0V from battery
Sample Serial Number	3SF7-1 (RE) (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This report is in accordance with Part 2-Subpart J, and Part 15-Subparts B of the Federal Communication Commission's rules.

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15, Class B device.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

Measurement Uncertainty

Parameter		Uncertainty
Radiated emission	30MHz-1GHz	4.3 dB(k=2, 95% level of confidence)
	1GHz-18GHz	4.9 dB(k=2, 95% level of confidence)
	18GHz - 26.5GHz	5.2 dB(k=2, 95% level of confidence)
Temperature		1 °C
Humidity		7 %
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.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

Test Mode 1: GPS RX+WiFi RX

Test Voltage: DC 3.0V

EUT Exercise Software

No exercise software.

Special Accessories

No special accessory was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	154606
AGILENT	Vector Signal Generator	N5182A	MY50143401

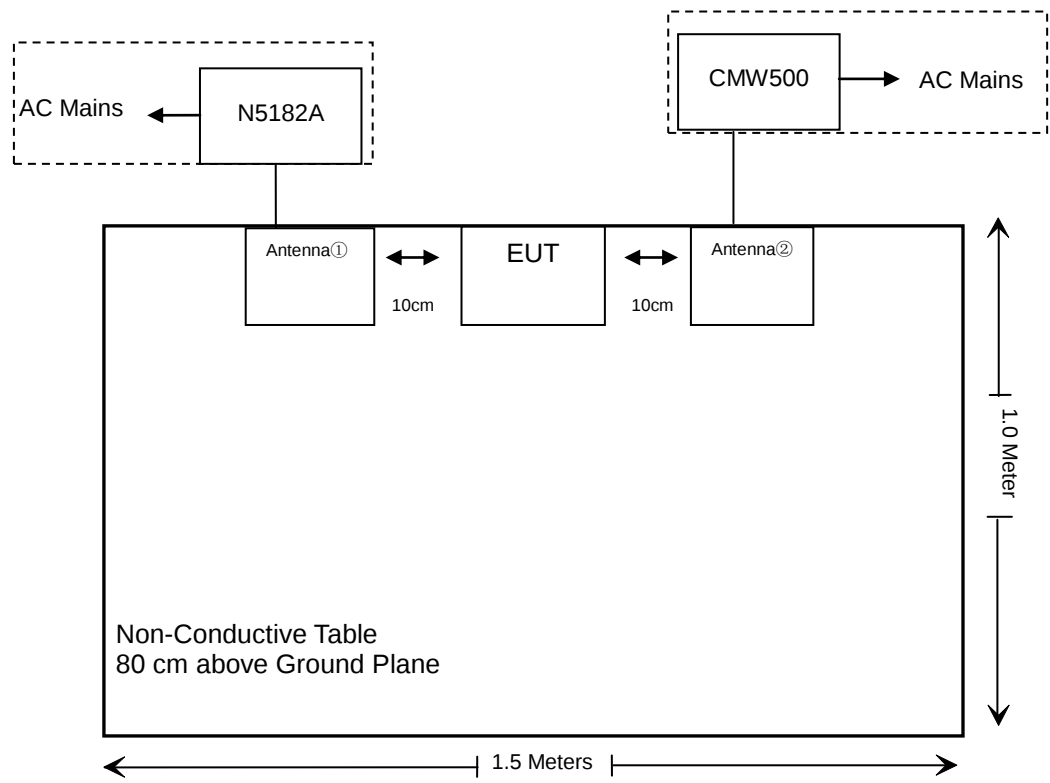
External I/O Cable

Cable Description	Length (m)	From Port	To
/	/	/	/

Block Diagram of Test Setup

For Radiated Emission:

Test Mode 1



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	Conducted Emissions	Not Applicable
§15.109	Radiated Emissions	Compliance

Not Applicable: The EUT is powered by battery.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Below 1GHz)					
Rohde & Schwarz	Test Receiver	ESR	102725	2025/09/18	2026/09/17
SONOMA INSTRUMENT	Amplifier	310N	186131	2025/03/26	2026/03/25
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2024/08/08	2027/08/07
Unknown	RF Coaxial Cable	No.12	N040	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.13	N300	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.14	N800	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					
Radiated Emission Test (Above 1GHz)					
Rohde & Schwarz	Spectrum Analyzer	FSV40	101949	2025/09/17	2026/09/16
Decentest	Filter Switch Unit	DT7220FSU	DQ77927	2025/09/18	2026/09/17
Decentest	Multiplex Switch Test Control Set	DT7220CSU	DQ77924	2025/09/18	2026/09/17
A.H. Systems, inc.	Preamplifier	PAM-0118	226	2025/03/20	2026/03/19
Schwarzbeck	Horn Antenna	BBHA9120D	837	2023/02/22	2026/02/21
Unknown	RF Coaxial Cable	No.10	N050	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.11	N1000	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.19	N500	2025/05/30	2026/05/29
Schwarzbeck	HORN ANTENNA	BBHA9170	9170-359	2023/12/12	2026/12/11
BACL	Amplifier	BACL-1313-A 1840	4012521	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.15	N600	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.16	N650	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					

*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

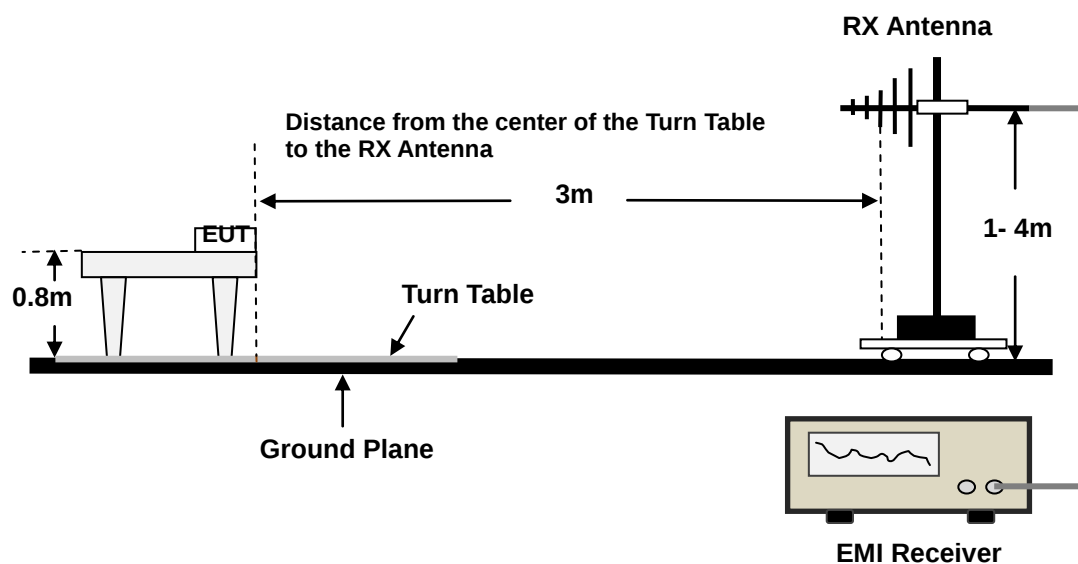
FCC §15.109-RADIATED EMISSIONS

Applicable Standard

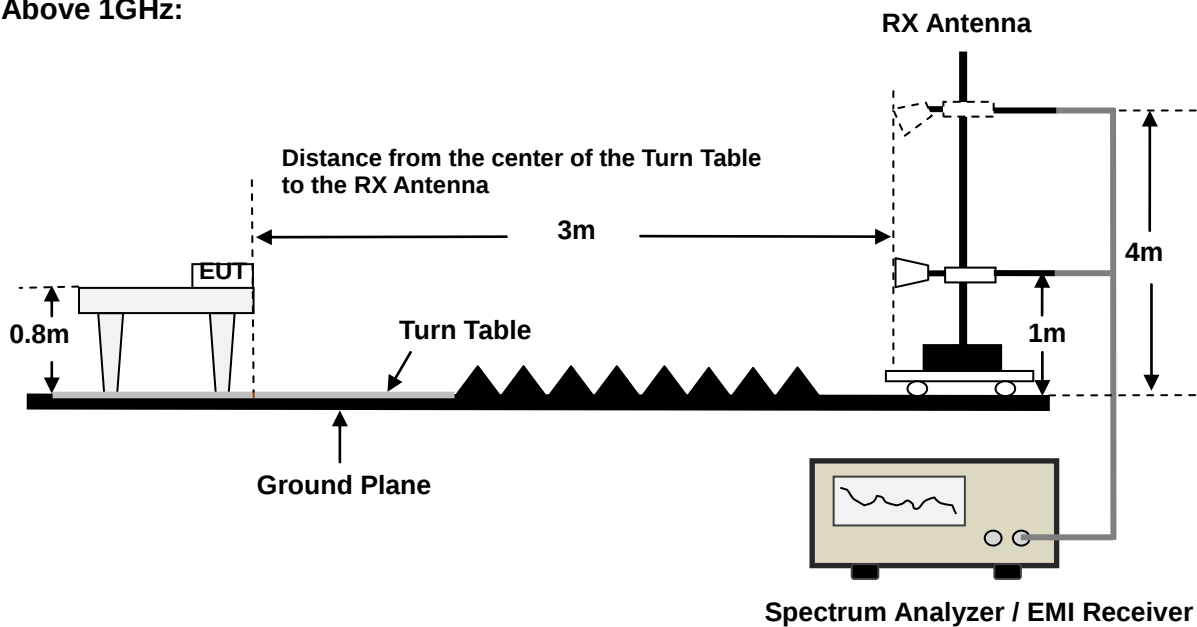
FCC §15.109

EUT Setup

30MHz - 1GHz:



Above 1GHz:



Boundary of the EUT, local AE and associated cabling and measurement distance for radiated emissions measurements:

The central point of the arrangement shall be positioned at the centre of the turntable. The measurement distance is the shortest horizontal distance between an imaginary circular periphery just encompassing this arrangement and the calibration point of the antenna. See as below Figure C.1 and C.2.

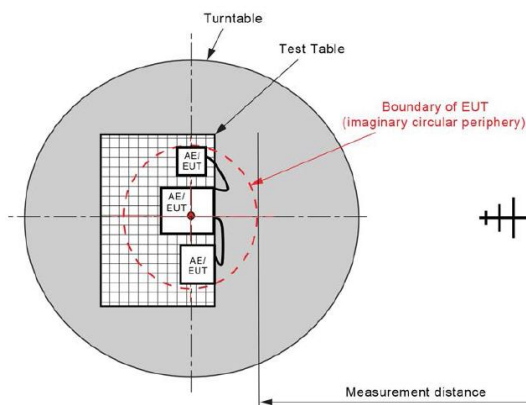


Figure C.1 – Measurement distance

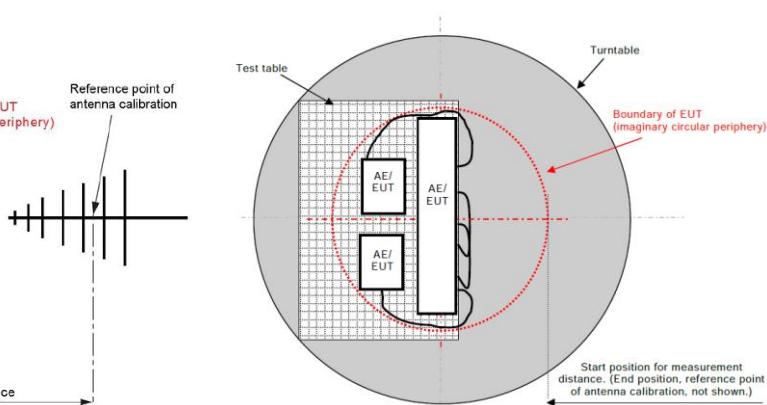


Figure C.2 – Boundary of EUT, Local AE and associated cabling

The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

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 & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 30 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
30 MHz - 1000 MHz	PK	100 kHz	300 kHz	/	PK
	QP	/	/	120kHz	QP
Above 1GHz	PK	1 MHz	3 MHz	/	PK
	AV	1 MHz	5 kHz	/	PK

Note 1: For below 1GHz testing, if the maximized peak measured value complies with the limit, then it is unnecessary to perform QP measurement.

Note 2: For above 1GHz testing, the peak value is low than AV limit, then the result is unnecessary to perform Peak/AV measurement.

Note 3: Other emissions which were more than 20dB below to the limit or on noise floor level was not recorded.

Required highest measurement frequency for radiated emissions:

Highest frequency generated or used in the device or on which the device operates or tunes(MHz) (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40GHz, whichever is lower

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Calculation

The Factor 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:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

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

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

$$\text{Level} = \text{Reading} + \text{Factor}$$

Test Data

Environmental Conditions

Temperature:	18.8-24.2 °C
Relative Humidity:	53-54 %
ATM Pressure:	101.8-101.9 kPa

The Below 1GHz testing was performed by Jayden Luo on 2026-01-13.

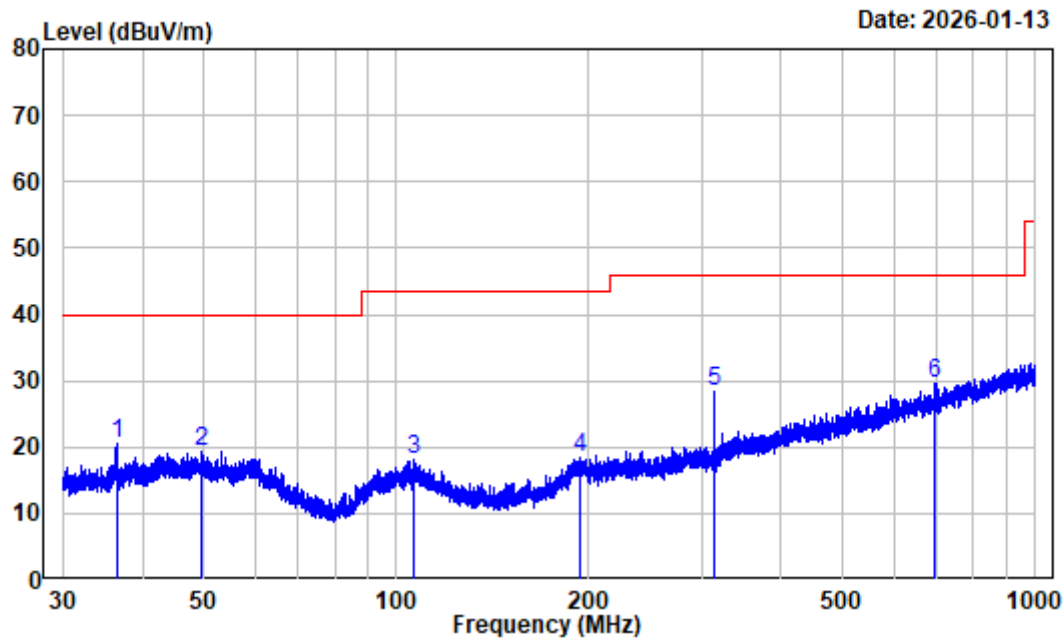
The Above 1GHz testing was performed by Angel Chen on 2026-02-04.

EUT operation mode: Test mode 1

Test Result: Compliance, please refer to the following data.

Below 1GHz

Horizontal



Site : chamber

Condition : 3m HORIZONTAL

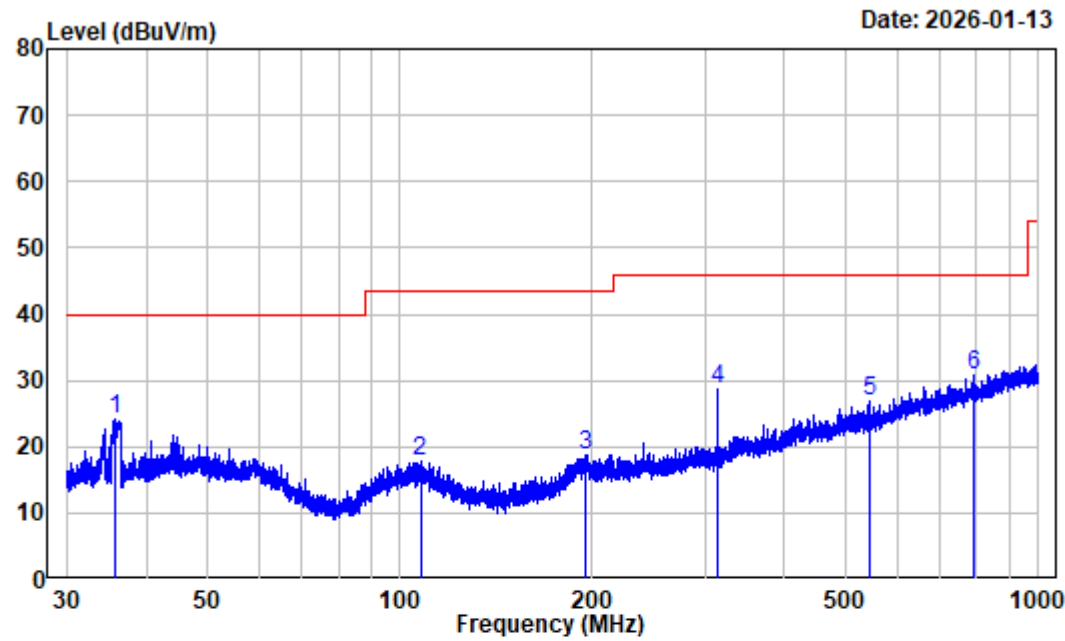
Job No. : 2604P40816E-EM Tester: Jayden Luo

Test Mode : Test Mode 1

Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	36.445	-11.36	31.80	20.44	40.00	-19.56	Peak
2	49.489	-9.90	29.18	19.28	40.00	-20.72	Peak
3	106.338	-11.13	29.17	18.04	43.50	-25.46	Peak
4	194.113	-9.86	28.23	18.37	43.50	-25.13	Peak
5	314.928	-8.62	37.05	28.43	46.00	-17.57	Peak
6	697.774	-1.08	30.72	29.64	46.00	-16.36	Peak

Vertical

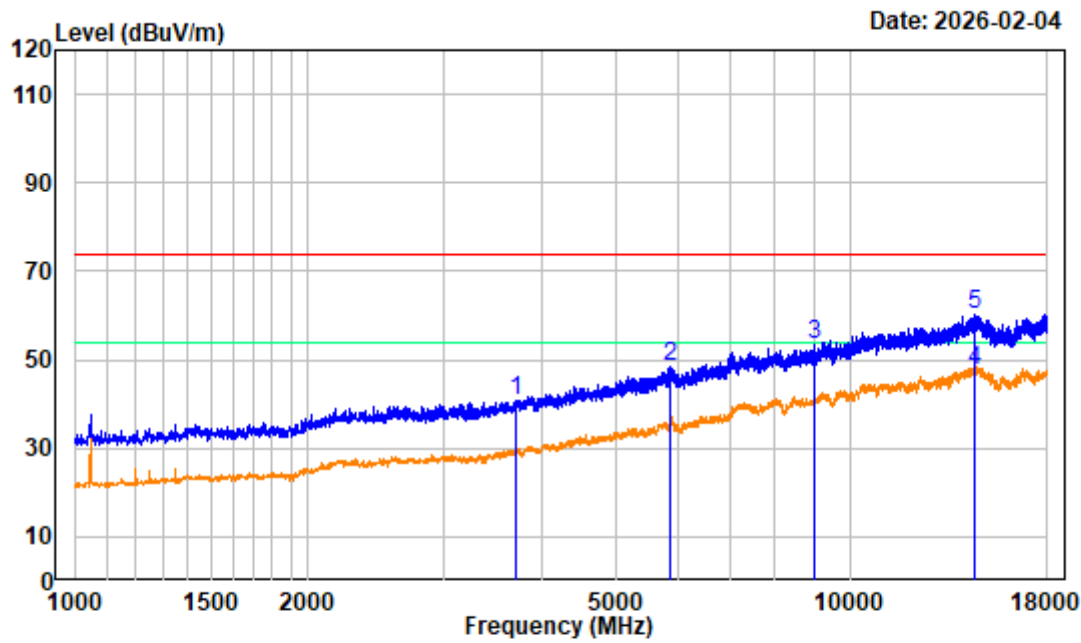


Site : chamber
Condition : 3m VERTICAL
Job No. : 2604P40816E-EM Tester: Jayden Luo
Test Mode : Test Mode 1
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	35.749	-11.50	35.55	24.05	40.00	-15.95	Peak
2	107.557	-11.24	29.03	17.79	43.50	-25.71	Peak
3	194.966	-9.86	28.68	18.82	43.50	-24.68	Peak
4	314.928	-8.62	37.40	28.78	46.00	-17.22	Peak
5	545.900	-3.42	30.17	26.75	46.00	-19.25	Peak
6	790.272	0.27	30.38	30.65	46.00	-15.35	Peak

Above 1GHz

Horizontal



Site : chamber

Condition : 3m HORIZONTAL

Job No. : 2604P40816E-EM

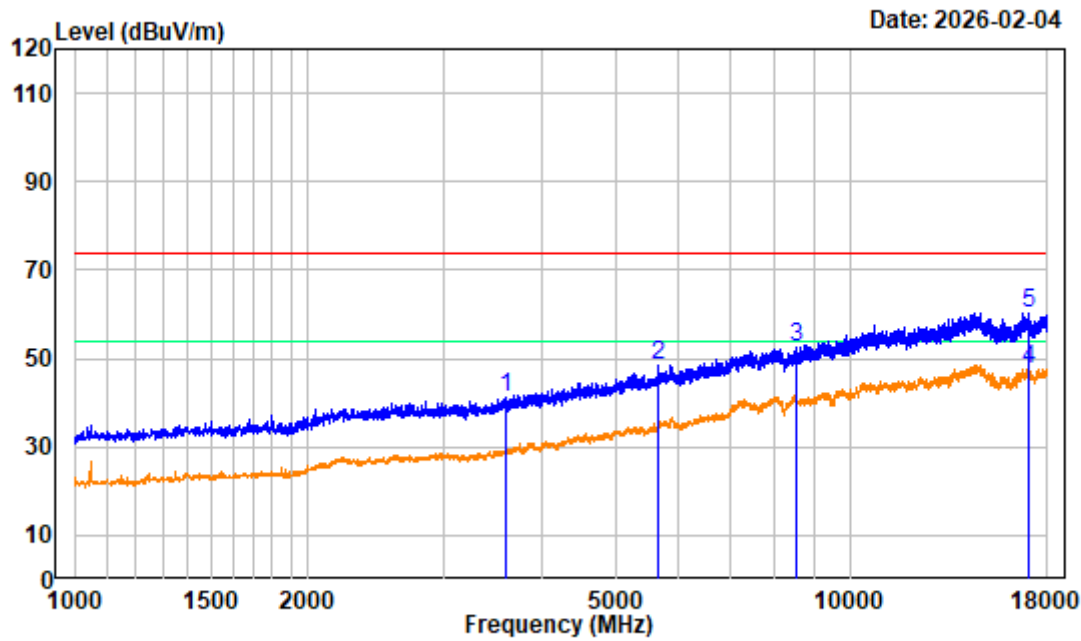
Test Mode : Test Mode 1

Tester : Angel Chen

Receiver Setting: Peak:RBW:1MHz VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	Line	Limit	
1	3707.250	-8.91	49.86	40.95	74.00	-33.05 Peak
2	5853.500	-4.49	52.84	48.35	74.00	-25.65 Peak
3	9000.625	0.39	52.85	53.24	74.00	-20.76 Peak
4	14536.250	8.86	38.65	47.51	54.00	-6.49 Average
5	14536.250	8.86	51.53	60.39	74.00	-13.61 Peak

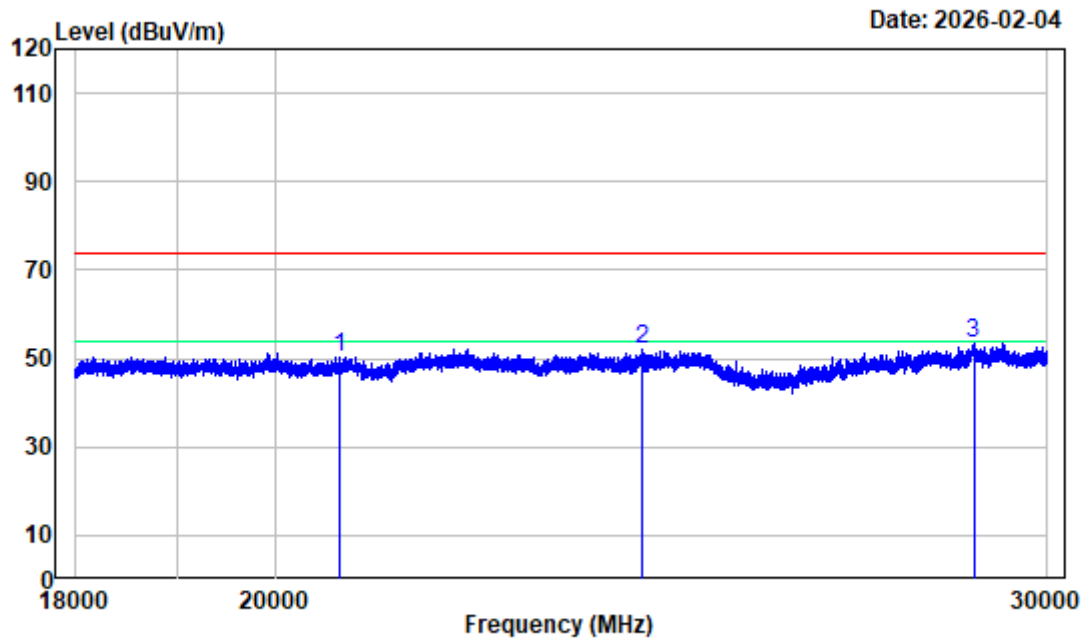
Vertical



Site : chamber
Condition : 3m VERTICAL
Job No. : 2604P40816E-EM
Test Mode : Test Mode 1
Tester : Angel Chen
Receiver Setting: Peak:RBW:1MHz VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3598.875	-9.28	50.34	41.06	74.00	-32.94 Peak
2	5664.375	-4.62	52.97	48.35	74.00	-25.65 Peak
3	8537.375	0.05	52.26	52.31	74.00	-21.69 Peak
4	16988.500	7.76	39.69	47.45	54.00	-6.55 Average
5	16988.500	7.76	52.56	60.32	74.00	-13.68 Peak

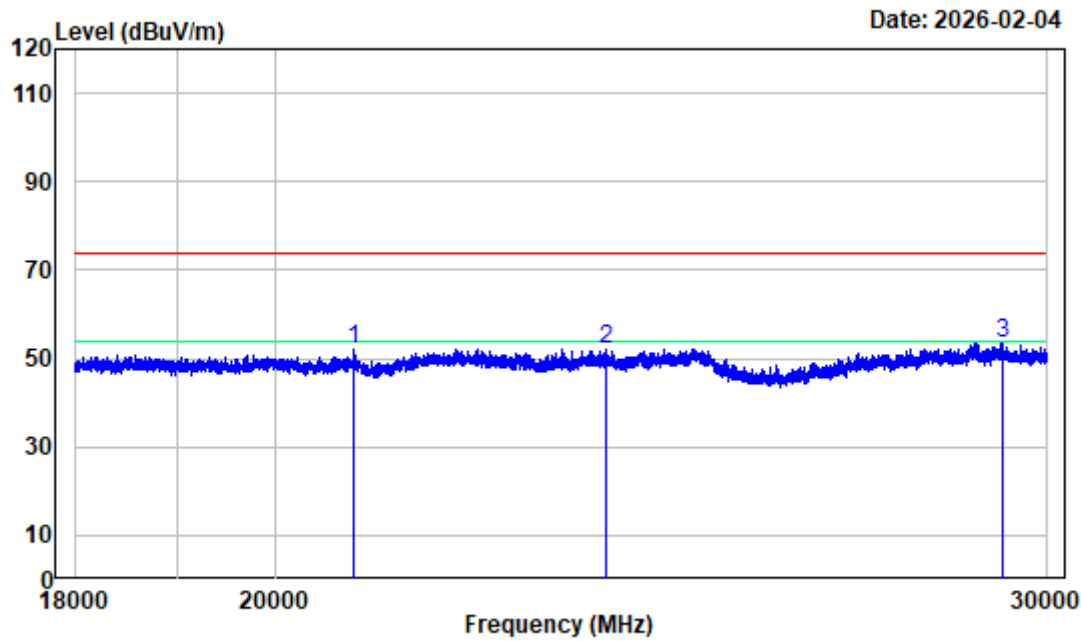
Horizontal



Site : chamber
Condition : 3m HORIZONTAL
Job No. : 2604P40816E-EM
Test Mode : Test Mode 1
Tester : Angel Chen
Receiver Setting: Peak:RBW:1MHz VBW:3MHz

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 20694.000	-2.04	52.53	50.49	74.00	-23.51	Peak
2 24259.500	2.88	49.03	51.91	74.00	-22.09	Peak
3 28861.500	4.16	49.21	53.37	74.00	-20.63	Peak

Vertical



Site : chamber
Condition : 3m VERTICAL
Job No. : 2604P40816E-EM
Test Mode : Test Mode 1
Tester : Angel Chen
Receiver Setting: Peak:RBW:1MHz VBW:3MHz

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 20832.000	-1.82	53.87	52.05	74.00	-21.95	Peak
2 23800.500	2.44	49.75	52.19	74.00	-21.81	Peak
3 29298.000	4.15	49.44	53.59	74.00	-20.41	Peak

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604P40816E-EM EUT External Photos and Attachment No.2 2604P40816E-EM EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2604P40816E-EM-00A Test Photos.

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