

TEST REPORT

of

FCC Part 15 Subpart C

☒ New Application; ☐ Change ID Application; ☐ Class II PC

Product : Digital signage
Brand: Zunidata
Model: 10VH-RT
Series Model: 10VH-RTXXXX(X=0~9 or A~Z or Blank or -)
Model Difference: For Market segmentation
FCC ID: Z28-10VH-RT-ZA
FCC Rule Part: §15.225
Applicant: Zunidata Systems, Inc.
Address: 6F, No. 945, Boai Street, Jubei City, Hsinchu, 30265 Taiwan

Test Performed by:

International Standards Laboratory Corp. LT Lab.



TEL: +886-3-263-8888 FAX: +886-3-263-8899

No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan

Report No.: ISL-25LR0126FC
Issue Date : September 15, 2025



Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein. According to customer agreement, the laboratory issues test reports based on the regulations or standards specifications, the measurement uncertainty is not considered in conformity decision rules. This test report shall not be reproduced except in full, without the written approval of International Standards Laboratory Corp.

VERIFICATION OF COMPLIANCE

Applicant: Zunidata Systems, Inc.
Product Description: Digital signage
Brand Name: Zunidata
Model No.: 10VH-RT
Series Model: 10VH-RTXXXX(X=0~9 or A~Z or Blank or -)
Model Difference: For Market segmentation
FCC ID: Z28-10VH-RT-ZA
Date of test: August 11, 2025 ~ September 15, 2025
Date of EUT Received: August 11, 2025

We hereby certify that:

All the tests in this report have been performed and recorded in accordance with the standards described above and performed by an independent electromagnetic compatibility consultant, International Standards Laboratory Corp.

The test results contained in this report accurately represent the measurements of the characteristics and the energy generated by sample equipment under test at the time of the test. The sample equipment tested as described in this report is in compliance with the limits of above standards.

Prepared By: Gigi Yeh

Test By:

Bill Huang

Jason Chao

Approved By:

Jerry Liu

Jerry Liu / Manager

Version

Version No.	Date	Description
00	September 15, 2025	Initial creation of document

Uncertainty of Measurement

Parameter	Uncertainty (k=2)
Conducted Emission (AC power line)	± 1.6 dB
Spurious emissions, radiated	± 4.78 dB
RF power, conducted	± 2.20 dB
Power Density	± 2.21 dB
RF Frequency	± 1.43 %
DC Voltage	± 2.12 %

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1 General Information

1.1 Product Description

General Information		
Product Name:	Digital signage	
Brand Name:	Zunidata	
Model Name:	10VH-RT	
Series Model:	10VH-RTXXXX(X=0~9 or A~Z or Blank or -)	
Model Difference:	For Market segmentation	
Temperature Range:	-10°C to +55°C	
Power Supply:	12VDC for AC Adapter	
	Adaptor	Model: 2AAJ024FC Supplier: CHANNEL WELL TECHNOLOGY Model: S1C030AC Supplier: CHANNEL WELL TECHNOLOGY
NFC Information		
Modular:	PN7160	
Frequency Range:	Tx:13.56MHz	
Max Output Power:	PK: 62.18 dBuV/m at 3 m	
Modulation type:	ASK	
Product HW Version:	2147	
Product SW Version:	7.45.96.90	
Product FW Version:	7.45.96.90	
Test SW Version:	NFC TagInfo 1.1	
RFpower setting:	Default	

Antenna Type	Brand	Model	Peak Gain	Frequency Range	Connector Type
Loop Antenna	Taiwan Anjie Electronics Co., Ltd	AJNP9Q-Q0013	N/A	13.56MHz	N/A

The Test report is applied for NFC.

Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended comply with Section 15.225 of the FCC Part 15, Subpart C Rules.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI 63.4: 2014. Radiated testing was performed at an antenna to EUT distance 3 meters. Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of **International Standards Laboratory Corp.** <LT Lab.> No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI 63.4: 2014. FCC Registration Number is: TW0997, Canada Registration Number: 4067B-4.

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

2 System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was tested with a test program to fix the Tx frequency that was for the purpose of the measurements. For more information, please see test data and APPENDIX 1 for set-up photographs.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4: 2014, conducted emissions from the EUT are measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and Average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 0.8 m/1.5 m (Frequency above 1 GHz) above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) were rotated through three orthogonal axes according to the requirements in Section 6 and 11 of ANSI C63.10: 2013.

2.4 Limitation

(1) Conducted Emission

According to section 15.207(a) Conducted Emission Limits is as following.

Frequency range MHz	Limits dB (uV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Note		
1.The lower limit shall apply at the transition frequencies		
2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

(2) Radiated Emission

1. The field strength of any emission within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters. (124dBuV/m at 3m)
2. 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. (90.47dBuV/m at 3m.)
3. 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. (80.5dBuV/m at 3m.)
4. The field strength of any emissions appearing outside of the 13.110-14.010 MHz shall not exceed the general radiated emission limits in section 15.209(Intentional Radiators general limit).as below.

Frequency (MHz)	Field strength $\mu\text{V/m}$	Distance (m)	Field strength at 3m $\text{dB}\mu\text{V/m}$
1.705-30	30	2 30	69.54
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

- Remark:
1. Emission level in dBuV/m= $20 \log (\mu\text{V/m})$
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of §15.205
 4. Emission spurious frequency which appearing within the Restricted Bands specified in provision of §15.205, then the general radiated emission limits in § 15.209 apply.
 - 5.

Limitation Calculation:

$15,848 \text{ microvolts/meter at } 30 \text{ meters} = 20 \log (15,848) \text{ dBuV/m at } 30\text{m} = 84 \text{ dBuV/m at } 30\text{m} = 124 \text{ dBuV/m at } 3\text{m}$

$30\text{m to } 3\text{m distance correction factor: } 40 \log (30/3) = 40 \text{ dB}$

(3) Frequency Tolerance

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

2.5 Configuration of Tested System

NFC mode

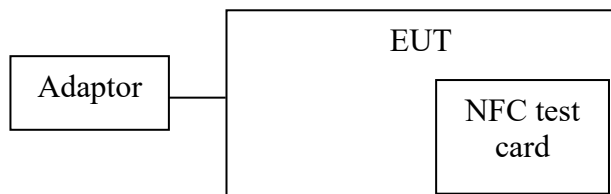


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1	NFC test card	N/A	N/A	N/A	N/A	N/A

3 Summary of Test Results

FCC Rules	Description Of Test	Result
§15.207	Conducted Emission	Compliant
§15.225 (a)-(d)	Radiated Emission	Compliant
§15.225 (e)	Frequency Stability	Compliant

4 Description of test modes

The EUT was tested when placed vertically on the table and the EUT stay in continuous transmitting mode.

5 Conducted Emissions Test

5.1 Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)

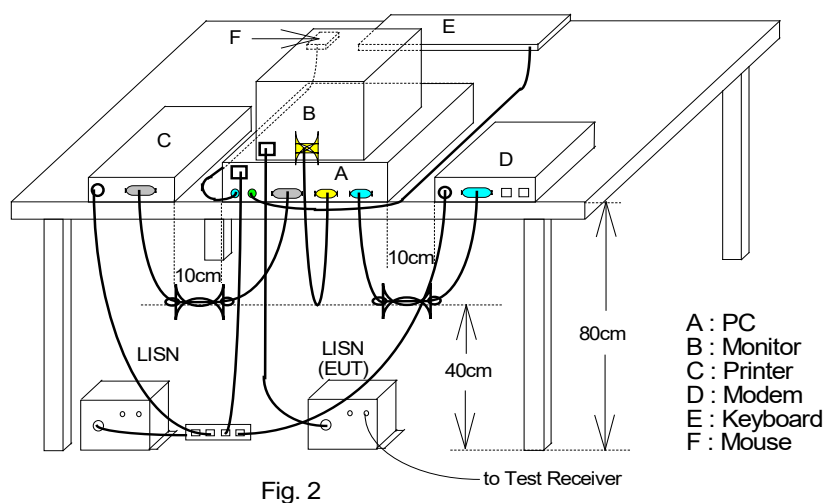
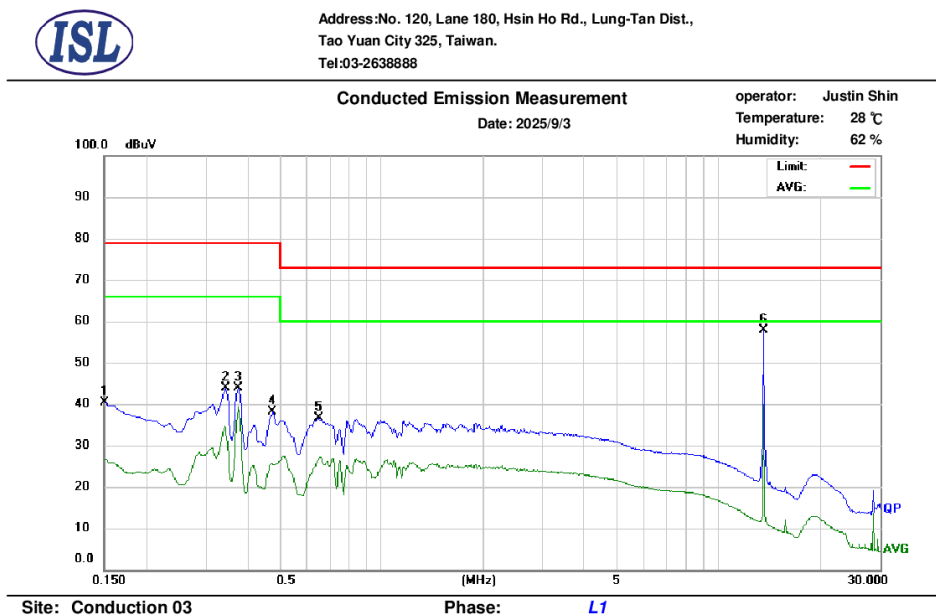


Fig. 2

5.3 Measurement Equipment Used:

Location	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conduction 03	EMI Receiver 21	R&S	ESR 3	103410	07/18/2025	07/18/2026
Conduction 03	Conduction03 Cable 01	HUBER+SUHNER	RG 400/U	Conduction03 Cable 01	04/07/2025	04/07/2026
Conduction 03	LISN 19	R&S	ENV216	101425	11/12/2024	11/12/2025
Conduction 03	LISN 22	ROHDE & SCHWARZ	ENV216	101478	10/14/2024	10/14/2025
Conduction 03	ISN T8 CAT6A 03	SCHWARZBECK	NTFM 8158	NTFM 8158-00367	05/29/2025	05/29/2026
Conduction 03	ISN T4 07	TESEQ	ISN T400A	30449	08/26/2025	08/26/2026
Conduction 03	ISN T8 09	TESEQ	ISN T800	36190	08/05/2025	08/05/2026
Conduction 03	CDN ISN ST08A 01	TESEQ	CDN ISN ST08A	43352	08/07/2025	08/07/2026
Conduction 03	Capacitive Voltage Probe 01	SCHAFFNER	CVP 2200A	18711	01/23/2025	01/23/2026
Conduction 03	Current Probe 01	SCHAFFNER	SMZ 11	18030	01/15/2025	01/15/2026
Conduction 03 (>16A)	LISN 24	SCHWARZBECK	NNLK 8121	8121-829	06/27/2025	06/27/2026
Conduction 03 (EN_IEC_5501 4-1)	Absorber Clamp 02	R&S	MDS-21	100439	05/22/2025	05/22/2026
Conduction 03 (EN_IEC_5501 4-1)	High Voltage Probe 01	SCHWARZBECK	TK 9420	TK 9420-796	08/02/2024	08/02/2026

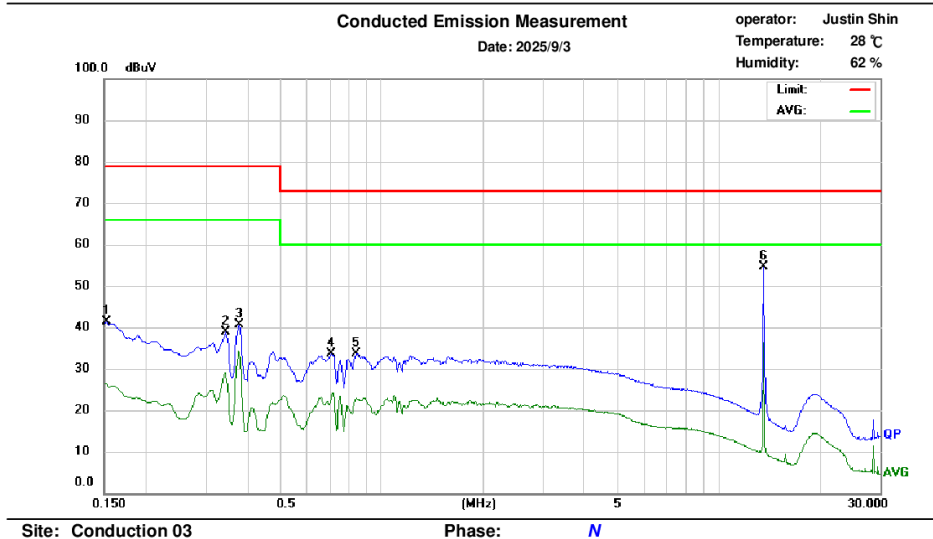
5.4 Measurement Result:



No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)
1	0.150	30.76	17.00	9.66	40.42	79.00	-38.58	26.66	66.00	-39.34
2	0.344	34.10	24.76	9.67	43.77	79.00	-35.23	34.43	66.00	-31.57
3	0.375	34.30	29.63	9.67	43.97	79.00	-35.03	39.30	66.00	-26.70
4	0.474	28.45	15.82	9.67	38.12	79.00	-40.88	25.49	66.00	-40.51
5	0.649	26.91	16.92	9.68	36.59	73.00	-36.41	26.60	60.00	-33.40
6*	13.560	47.99	30.00	9.89	57.88	73.00	-15.12	39.89	60.00	-20.11



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Tao Yuan City 325, Taiwan.
Tel: 03-2638888



No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)
1	0.152	31.64	16.59	9.66	41.30	79.00	-37.70	26.25	66.00	-39.75
2	0.344	29.12	19.53	9.66	38.78	79.00	-40.22	29.19	66.00	-36.81
3	0.377	30.93	24.55	9.66	40.59	79.00	-38.41	34.21	66.00	-31.79
4	0.708	23.95	13.26	9.68	33.63	73.00	-39.37	22.94	60.00	-37.06
5	0.841	24.02	13.16	9.68	33.70	73.00	-39.30	22.84	60.00	-37.16
6*	13.560	44.71	26.45	9.92	54.63	73.00	-18.37	36.37	60.00	-23.63

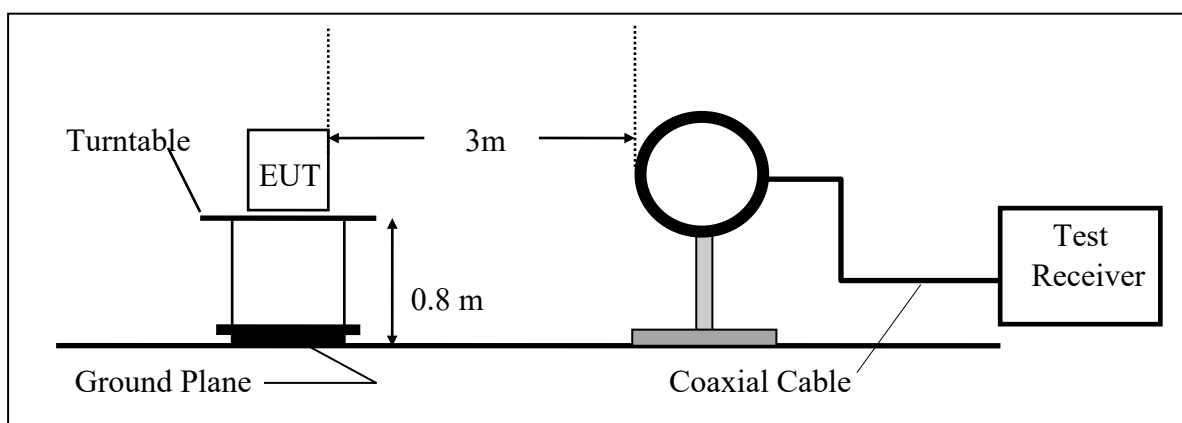
6 Radiated Emission Test

6.1 Measurement Procedure

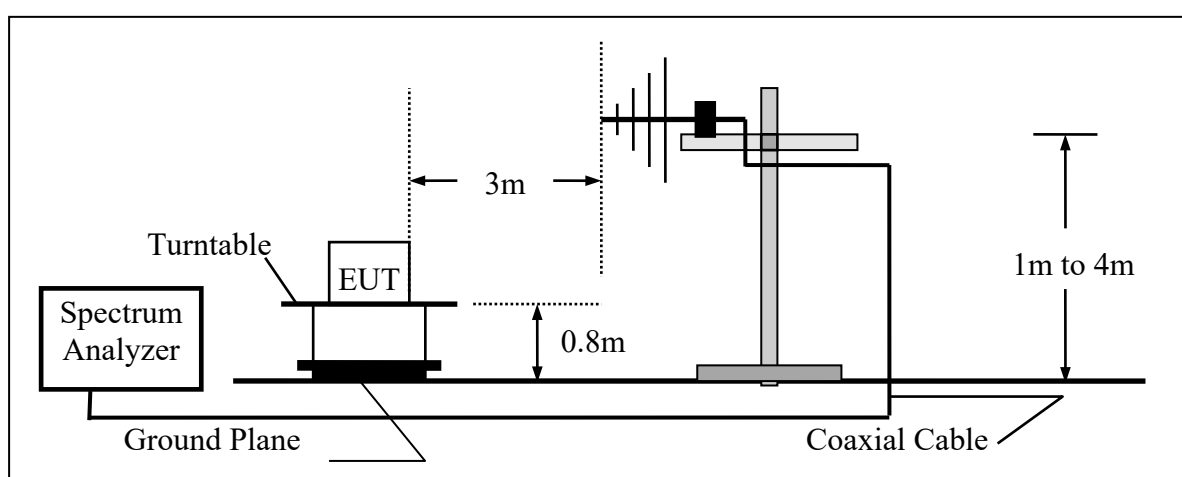
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



6.3 Measurement Equipment Used:

Location Conducted	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Chamber 19	Spectrum Analyzer	R&S	FSV40	101919	07/22/2025	07/22/2026
Chamber 19	EMI Receiver	R&S	ESR3	102461	05/12/2025	05/12/2026
Chamber 19	Loop Antenna	EM	EM-6879	271	09/25/2024	09/25/2025
Chamber 19	Bilog Antenna (30MHz-1GHz)	Schwarzbeck	VULB9168 w 5dB Att.	9168-736	04/21/2025	04/21/2026
Chamber 19	Horn antenna (1GHz-18GHz)	ETS • LINDGREN	3117	00218718	10/04/2024	10/04/2025
Chamber 19	Horn antenna (18GHz-26GHz)	Com-power	AH-826	081001	11/28/2024	11/28/2025
Chamber 19	Horn antenna (26GHz-40GHz)	Com-power	AH-640	100A	03/27/2025	03/27/2026
Chamber 19	Preamplifier (9kHz-3GHz)	EM	EM330	060822	04/22/2025	04/22/2026
Chamber 19	Preamplifier (1GHz-26GHz)	HP	8449B	3008A02471	10/23/2024	10/23/2025
Chamber 19	Preamplifier (26GHz-40GHz)	MITEQ	JS4-26004000-27-5A	818471	05/06/2025	05/06/2026
Chamber 19	RF Cable (9kHz-26.5GHz)	Huber Suhner	Sucoflex 104A	MY1394/4A & 50886/4A	07/17/2025	07/17/2026
Chamber 19	RF Cable (18GHz-40GHz)	HUBER SUHNER	Sucoflex 102	27963/2&37421/2	11/22/2024	11/22/2025
Chamber 19	MXG Vector Signal Generator	Keysight	N5182B	MY53052399	12/26/2023	12/26/2025
Chamber 19	Test Software	Audix	e3 Ver:6.120203	N/A	N/A	N/A

6.4 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:

$$FS = RA + AF + CL - AG$$

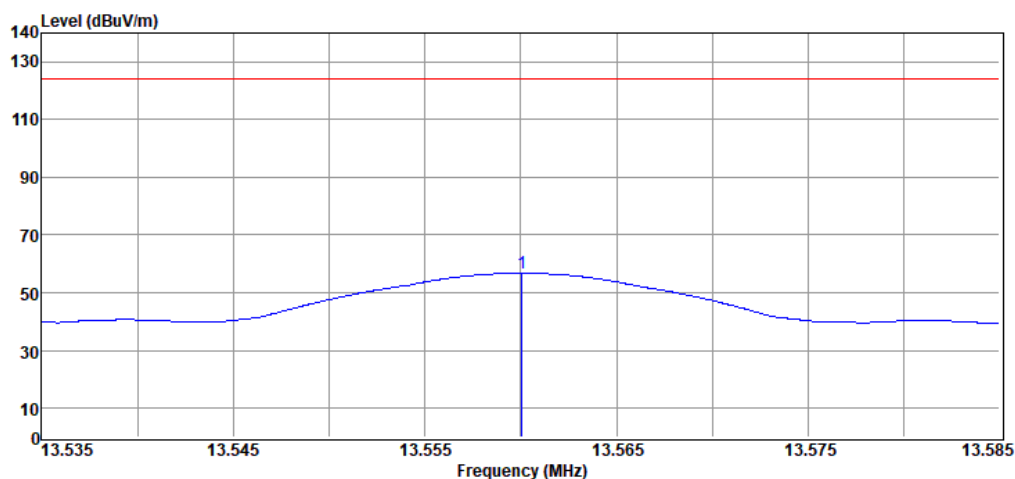
Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

6.5 Measurement Result

Fundamental Measurement Result

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Date: 2025-08-27

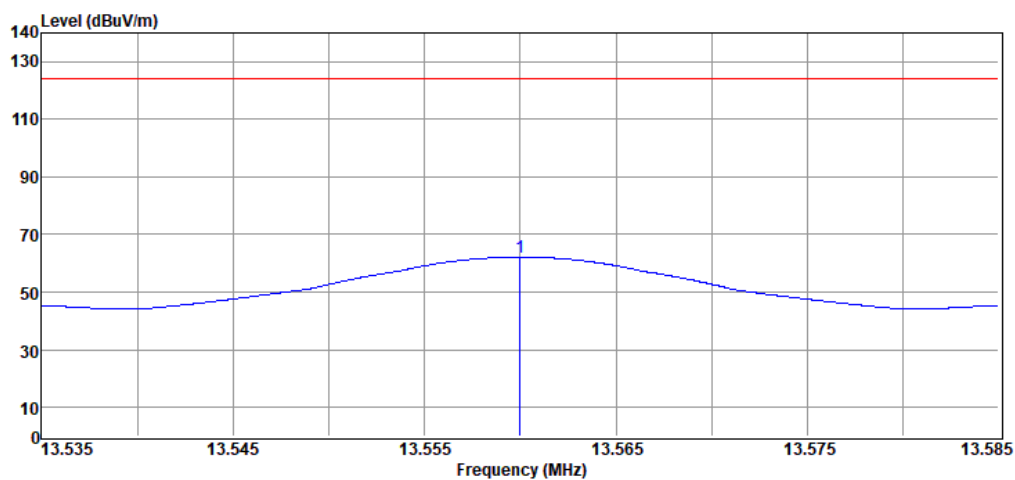
Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC Power Tested by : Bill Huang



No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	13.56	50.15	6.63	56.78	124.00	-67.22	Peak	HORIZONTAL

International Standard Laboratory Corp.
Company Address: No. 120, Lane 180, Hsin Ho Rd.
Lung-Tan Dist., Tao Yuan City 325, Taiwan
Date: 2025-08-27

Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC Power Tested by : Bill Huang



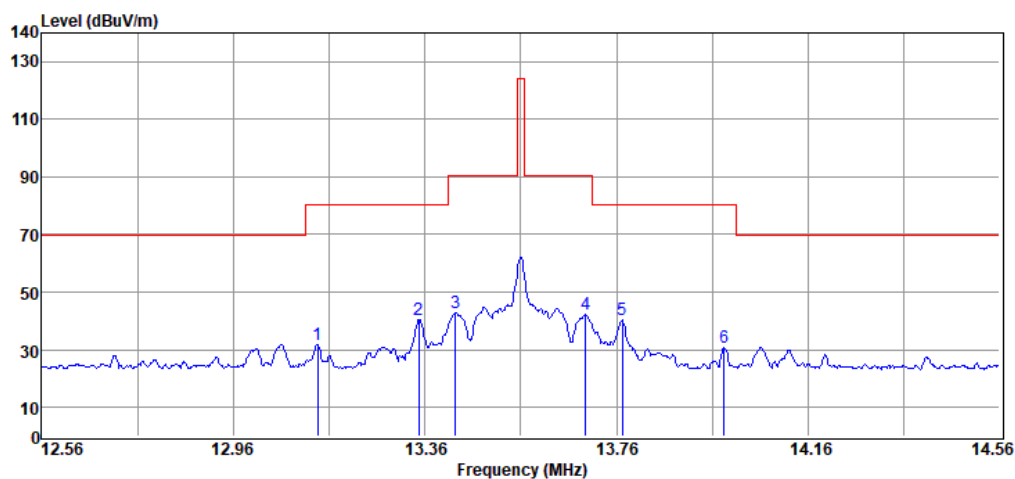
No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	13.56	55.55	6.63	62.18	124.00	-61.82	Peak	VERTICAL

Radiated Mask

Fundamental Measurement Result

International Standard Laboratory Corp.
Company Address: No. 120, Lane 180, Hsin Ho Rd.
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Date: 2025-08-27

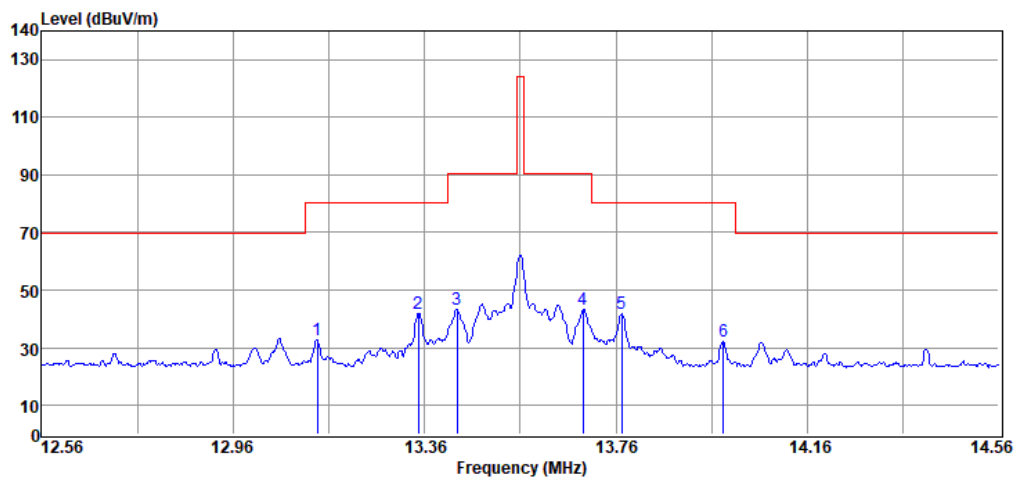
Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC MASK Tested by : Bill Huang



No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	13.14	25.10	6.71	31.81	80.54	-48.73	Peak	VERTICAL
2	13.35	33.87	6.68	40.55	80.54	-39.99	Peak	VERTICAL
3	13.42	36.27	6.66	42.93	90.47	-47.54	Peak	VERTICAL
4	13.70	35.71	6.60	42.31	90.47	-48.16	Peak	VERTICAL
5	13.77	33.61	6.58	40.19	80.50	-40.31	Peak	VERTICAL
6	13.98	24.06	6.55	30.61	80.50	-49.89	Peak	VERTICAL

International Standard Laboratory Corp.
Company Address: No. 120, Lane 180, Hsin Ho Rd.
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Date: 2025-08-27

Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC MASK Tested by : Bill Huang



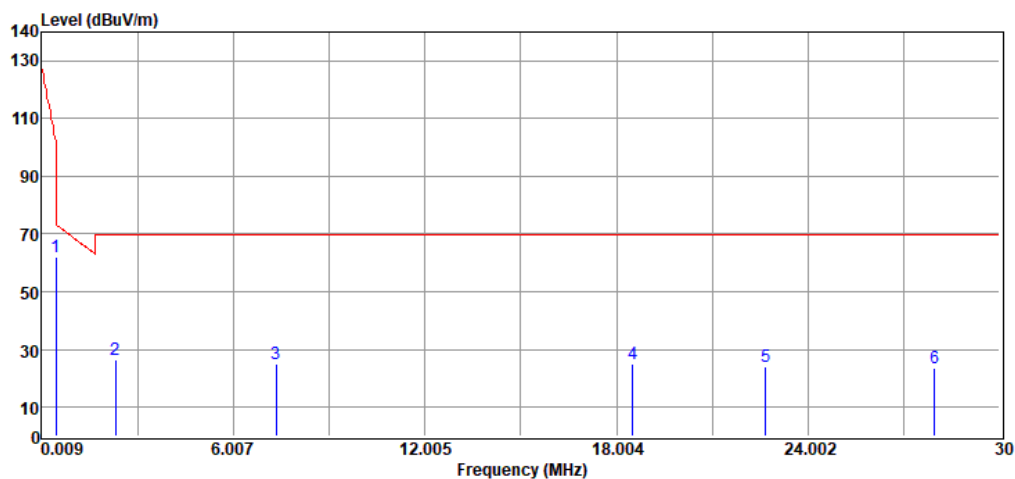
No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	13.14	25.82	6.71	32.53	80.54	-48.01	Peak	HORIZONTAL
2	13.35	35.27	6.68	41.95	80.54	-38.59	Peak	HORIZONTAL
3	13.43	36.75	6.66	43.41	90.47	-47.06	Peak	HORIZONTAL
4	13.69	36.64	6.60	43.24	90.47	-47.23	Peak	HORIZONTAL
5	13.77	35.21	6.58	41.79	80.50	-38.71	Peak	HORIZONTAL
6	13.98	25.55	6.55	32.10	80.50	-48.40	Peak	HORIZONTAL

Radiated Spurious Emission Measurement Result (below 1GHz)

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Company Address: No. 120, Lane 180, Hsin Ho Rd.
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Date: 2025-08-27

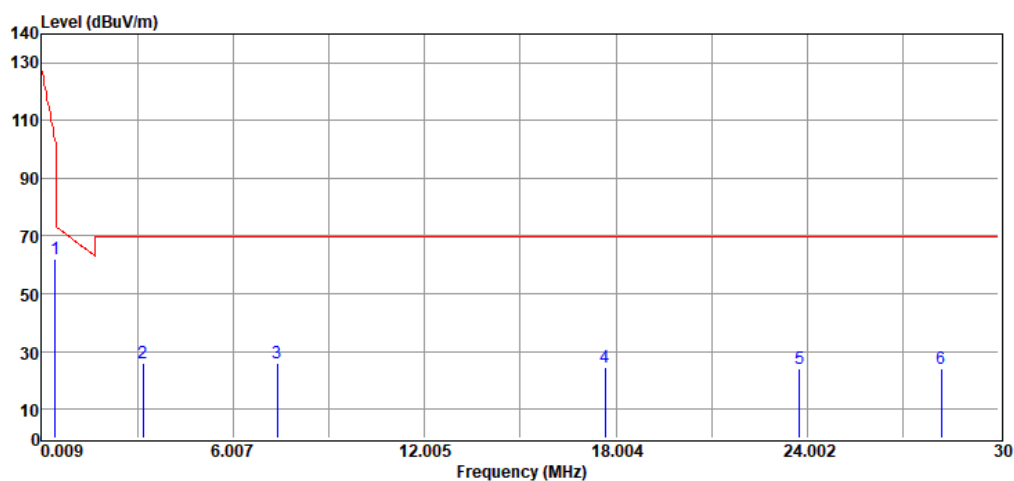
Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC Tx Tested by : Bill Huang



No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	0.46	47.25	15.00	62.25	101.84	-39.59	Peak	VERTICAL
2	2.32	18.80	7.53	26.33	69.54	-43.21	Peak	VERTICAL
3	7.36	17.73	7.29	25.02	69.54	-44.52	Peak	VERTICAL
4	18.51	18.57	6.51	25.08	69.54	-44.46	Peak	VERTICAL
5	22.68	18.72	5.31	24.03	69.54	-45.51	Peak	VERTICAL
6	27.96	19.42	4.36	23.78	69.54	-45.76	Peak	VERTICAL

International Standard Laboratory Corp.
Company Address: No. 120, Lane 180, Hsin Ho Rd.
Lung-Tan Dist., Tao Yuan City 325, Taiwan
Date: 2025-08-27

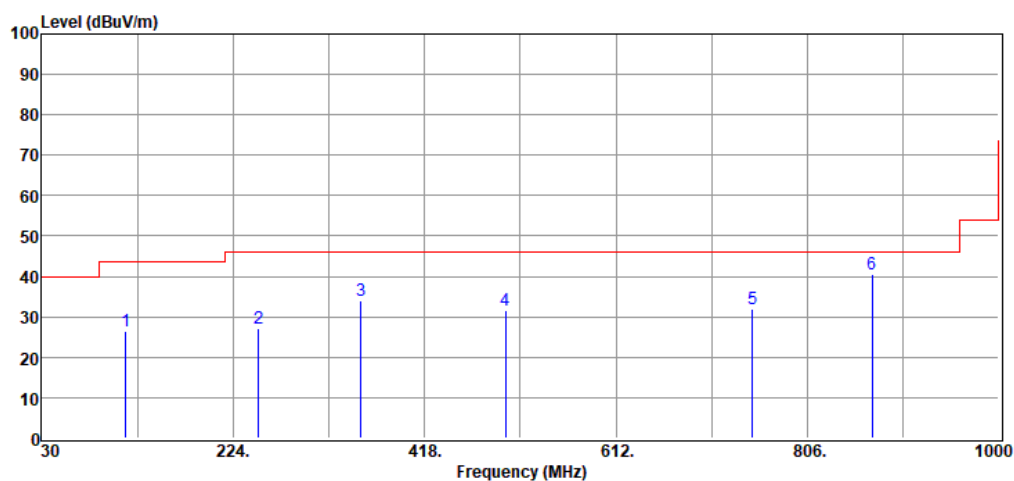
Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC Tx Tested by : Bill Huang



No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	0.43	46.42	15.56	61.98	103.62	-41.64	Peak	HORIZONTAL
2	3.19	19.68	6.29	25.97	69.54	-43.57	Peak	HORIZONTAL
3	7.39	18.56	7.29	25.85	69.54	-43.69	Peak	HORIZONTAL
4	17.67	18.21	6.43	24.64	69.54	-44.90	Peak	HORIZONTAL
5	23.76	19.13	4.96	24.09	69.54	-45.45	Peak	HORIZONTAL
6	28.20	19.70	4.33	24.03	69.54	-45.51	Peak	HORIZONTAL

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Date: 2025-08-27

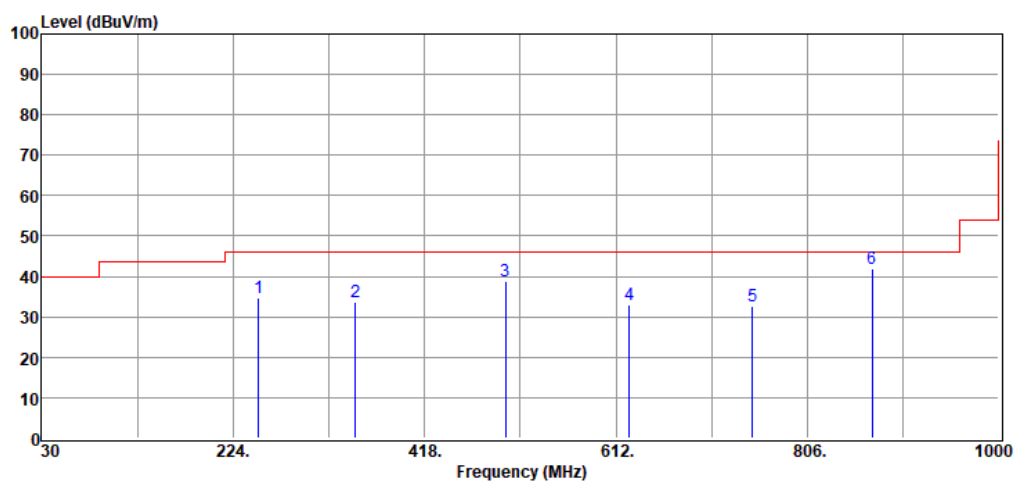
Project Number. : 25LR0126 Temp.(°C)/RH(%) : 25/60
Test Mode : NFC Tx Tested by : Bill Huang



No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	115.36	41.01	-14.47	26.54	43.50	-16.96	Peak	VERTICAL
2	250.19	39.80	-12.55	27.25	46.00	-18.75	Peak	VERTICAL
3	353.98	43.65	-9.50	34.15	46.00	-11.85	Peak	VERTICAL
4	500.45	37.47	-5.74	31.73	46.00	-14.27	Peak	VERTICAL
5	750.71	32.55	-0.64	31.91	46.00	-14.09	Peak	VERTICAL
6	871.96	40.32	0.32	40.64	46.00	-5.36	Peak	VERTICAL

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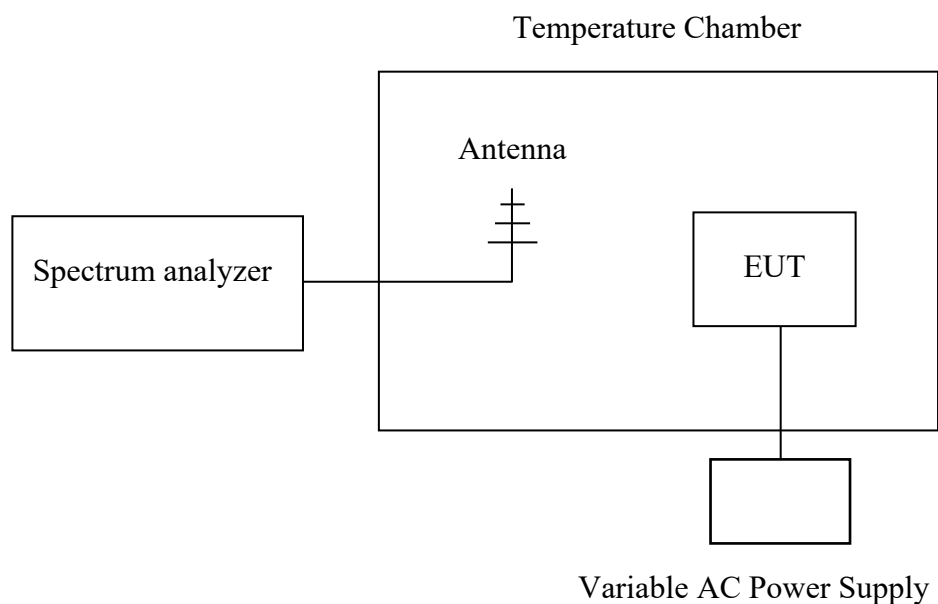
No	Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	250.19	47.27	-12.55	34.72	46.00	-11.28	Peak	HORIZONTAL
2	348.16	43.37	-9.53	33.84	46.00	-12.16	Peak	HORIZONTAL
3	500.45	44.58	-5.74	38.84	46.00	-7.16	Peak	HORIZONTAL
4	625.58	35.64	-2.79	32.85	46.00	-13.15	Peak	HORIZONTAL
5	750.71	33.28	-0.64	32.64	46.00	-13.36	Peak	HORIZONTAL
6	871.96	41.61	0.32	41.93	46.00	-4.07	Peak	HORIZONTAL

7 Frequency Tolerance

7.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set EUT as normal operation
3. Set SPA Center Frequency = fundamental frequency, RBW, VBW= 10kHz, Span =100kHz.
4. Set SPA Max hold. Mark peak.
- 5.

7.2 Test SET-UP (Block Diagram of Configuration)



7.3 Measurement Equipment Used:

Location Conducted	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conducted	Power Meter	Anritsu	ML2495A	1116010	09/26/2024	09/26/2025
Conducted	Power Sensor	Anritsu	MA2411B	34NKF50	09/26/2024	09/26/2025
Conducted	Temperature Chamber	KSON	THS-B4H+-100	2287	05/23/2025	05/23/2026
Conducted	DC Power supply	ABM	8185D	N/A	12/27/2024	12/27/2025
Conducted	AC Power supply	EXTECH	CFC105W	NA	N/A	N/A
Conducted	Spectrum analyzer	Keysight	N9010A	MY56070257	09/25/2024	09/25/2025
Conducted	Test Software	DARE	Radiation Ver:2013.1.23	NA	NA	NA
Conducted	Wideband Radio Comm. Tester	R&S	CMW500	1201.002K50108793-JG	10/26/2024	10/26/2025
Conducted	Radio Communication Test Station	Anritsu	MT8000A	6272539604	08/29/2025	08/29/2026
Conducted	MT8000A Test Software	Anritsu	MX800000A Application Launcher v10.10.34.0	NA	NA	NA
Conducted	BT Simulator	Agilent	N4010A	MY48100200	NA	NA
Conducted	MXG Vector Signal Generator	KEYSIGHT	N5182B	MY53052399	12/26/2023	12/26/2025
Conducted (TS8997)	Wideband Radio Comm. Tester	R&S	CMW500	168811	09/25/2025	09/25/2026
Conducted (TS8997)	UP/DOWN converter	R&S	CMW-Z800A	100566	09/25/2025	09/25/2026
Conducted (TS8997)	Signal Generator	R&S	SMB100A	183701	09/10/2025	09/10/2026
Conducted (TS8997)	Vector Signal Generator	R&S	SMM100A	101908	09/10/2025	09/10/2026
Conducted (TS8997)	Signal analyzer 40GHz	R&S	FSV40	101884	09/11/2025	09/11/2026
Conducted (TS8997)	OSP150 extension unit CAM-BUS	R&S	OSP150	101107	09/11/2025	09/11/2026
Conducted (TS8997)	Test Software	R&S	EMC32 Ver:12.00.00	NA	NA	NA

7.4 Measurement Results

Refer to attached data chart.

A. Temperature Variation

Temperature test						
Limit: +/- 0.01%						
Power Supply	Environment	Nominal Frequency	Measured Frequency	Delta (kHz)	Limit (kHz)	Result
Vdc	Temperature (°C)	(MHz)	(MHz)			
5	-20	13.56	13.5598	-0.200	1.356	Pass
	-10	13.56	13.5597	-0.300		Pass
	0	13.56	13.5598	-0.200		Pass
	10	13.56	13.5601	0.100		Pass
	20	13.56	13.56	0.000		Pass
	30	13.56	13.5599	-0.100		Pass
	40	13.56	13.5597	-0.300		Pass
	50	13.56	13.5598	-0.200		Pass

B. Supply Voltage Variation

Voltage Test						
Limit: +/- 0.01%						
Power Supply	Environment	Nominal Frequency	Measured Frequency	Delta (kHz)	Limit (kHz)	Result
Vdc	Temperature (°C)	(MHz)	(MHz)			
5	20	13.56	13.56	0.000	1.356	Pass
5.5	20	13.56	13.5597	-0.300		Pass
4.5	20	13.56	13.5599	-0.100		Pass