

TEST REPORT	
Testing Laboratory	Cosmos Corporation Matsusaka Laboratory
Address	718-1, Katsurase-cho, Matsusaka-shi, Mie 515-1104 Japan
Client's name	KYOCERA Document Solutions Inc.
Address	2-28, 1-Chome, Tamatsukuri, Chuo-ku, Osaka 540-8585, Japan
Standard	47 CFR 2.1091 / RSS-102 (Issue 6)
Test item description	RFID Module
Manufacturer	Same as client.
Model/Type reference	2V9A1324
Test report prepared by (name + signature)	Naoki Sakamoto 
	2025-10-07

General guideline

RFID module, model 2V9A1324 is provided to printer of KYOCERA Document Solutions Inc. only.
The data can be communicated to manage the Tag information of the toner container.
The distance between the RFID module antenna and tag is approximately 1.5mm.
Communication will not be possible if the distance between the antenna and tag exceeds 10mm.

FCC ID: E522V9A1324

ISED Certification Number: 1059B-2V9A1324

Measurement data table:**METHOD :****FCC Requirement**

According to 47 CFR 2.1091, mobile equipment must comply with the following applicable limit for maximum permissible exposure (MPE) specified in 47 CFR 1.1310:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density S (mW/cm ²)	Averaging time (minutes)
(ii) Limits for General Population/Uncontrolled Exposure				
1.34-30	824/f	2.19/f	*(180/f ²)	<30

ISED Requirement:

According to RSS-102 (Issue 6), clause 6.6, no routine RF exposure evaluation is required if the transmitter has a minimum separation distance to the user greater than 20 cm and has an output power (e.i.r.p.) below the following threshold:

Transmitter Frequency Range	RF Exp. Evaluation Threshold [W]
Below 20MHz	1W

Measurement result:

Ferquency (MHz)	Conducted output power (dBm)	Pout (mW)	Separation distance (cm)	S (mW/cm ²)	FCC Power Dencity Limit (mW/cm ²)	Comments
13.56	-4.25 *1)	0.375 *2)	20	0.00000373	0.98	None.

Supplementary information:

The power density S in mW/cm² is calculated according to the Friis formula:

$$S = (P_{out} \cdot G) / (4\pi \cdot D^2), \text{ where}$$

P_{out} = antenna conducted output power in mW,

G = antenna gain in linear scale,

D = distance between observation point and radiating structure in cm (here: 20 cm).

*1): The measurement was performed using a specturm analyzer according to clause 11.9.2.2.2 of ANSI C63.10.

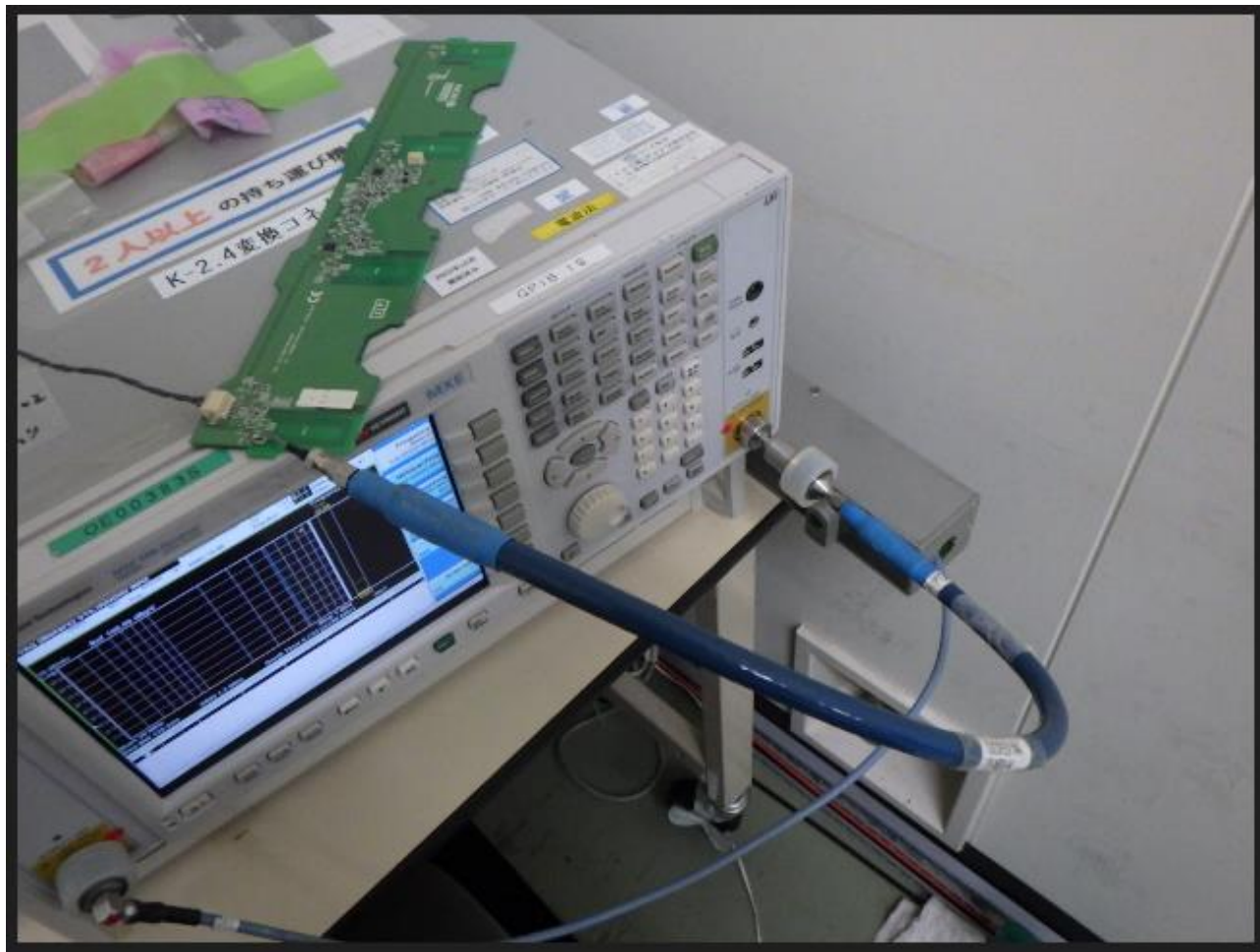
See page 4 and 5 for test setup image and plot.

Mesurement uncertainty: 1.03dB.

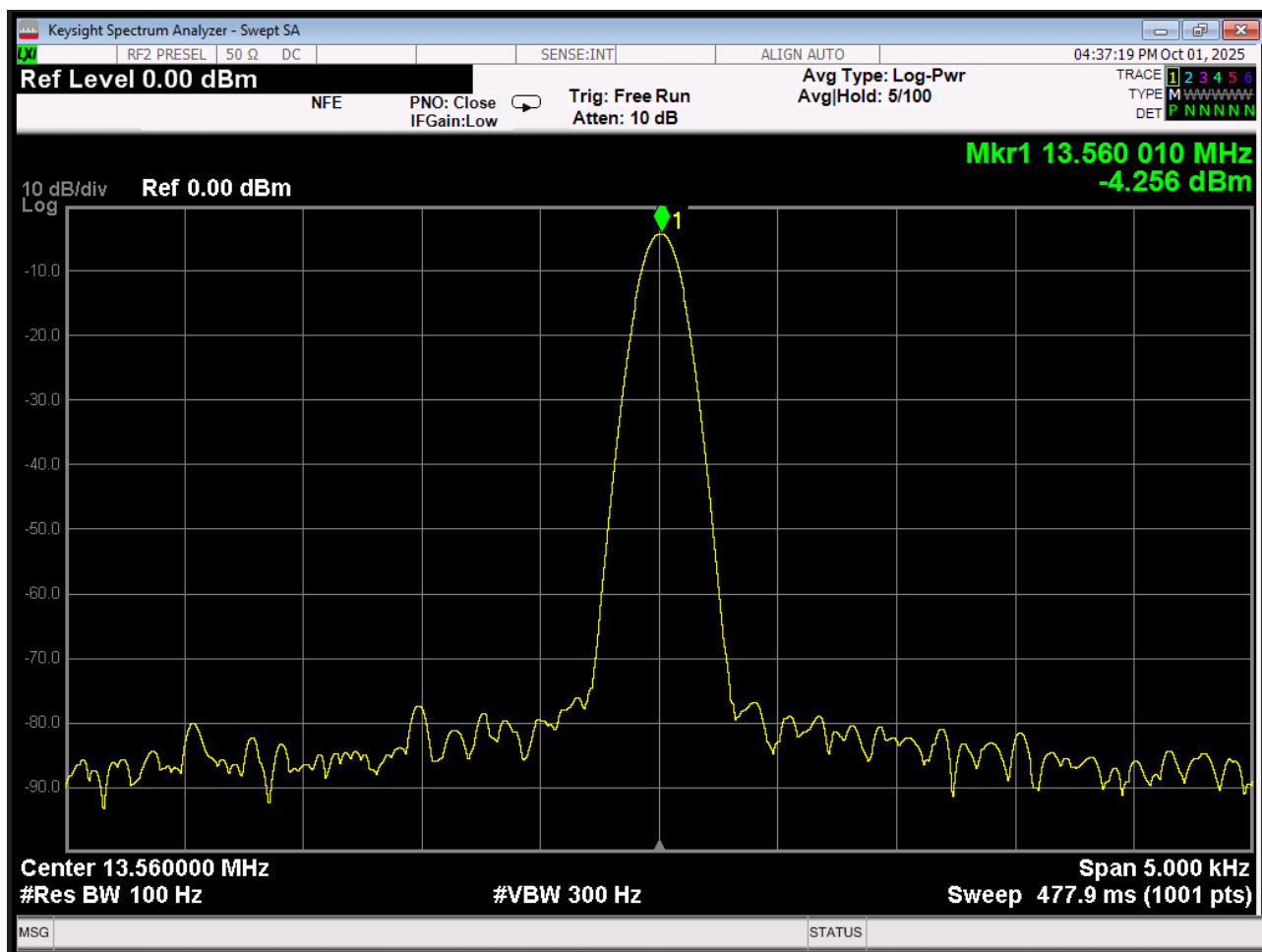
*2): Output power (e.i.r.p.) of ISED requirement is referred from this value.

TEST INSTRUMENT

Kind of Instrument	Manufacturer	Model	Serial No.	Calibrated Date/Until	Cosmos No.
EMI Test Receiver	Agilent Technologies	N9038A	MY54130015	2025-03-31 2026-03-30	OE00383S



Piciure 1: Test setup image



Piciure 2: Plot