



Report of Measurements
FCC Part 15, Subpart C, Section 15.223 and
FCC Part 15, Subpart C, Section 15.207

On

EAS RF Antenna Pedestal
Model Numbers Used for Testing: NP14 PRI/PAB (Single Antenna)
NP14 PRI/PAB, NP14 SAB (Dual Antenna)

FCC ID: DO4NEO3NP

Customer Name: Checkpoint Systems, Inc.

Customer P.O.: 1101225519

Date of Report Revision: February 17, 2026

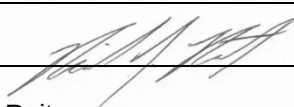
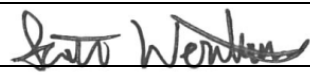
Test Report No: R-4106P-1, Rev. A

Test Start Date: December 12, 2025

Test Finish Date: December 17, 2025

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Certification and Signatures We certify that this report is a true representation of the results obtained from the tests of the equipment stated. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.

 Richard J. Reitz Director of Engineering INARTE Electromagnetic Compatibility Engineer EMC-050739-E	 Scott Wentworth Branch Manager
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Table of Contents

Revision History	3
Technical Information.....	4
General Test Information	6
Part 15.31 Measurement Standards.....	6
Part 15.33 Frequency range of radiated measurements	6
Part 15.35 Measurement detector function and bandwidths	6
General Requirements FCC	7
Requirements and Test Results.....	8
FCC Part 15.203, Antenna Requirements.....	8
Requirements and Test Results.....	9
FCC Part 15.207(a), Conducted Emissions	9
Requirements and Test Results.....	16
FCC Part 15.223 (a), 6 dB and 99% Occupied Bandwidth.....	16
Requirements and Test Results.....	33
FCC Part 15.223 (a), Fundamental Field Strength and Duty Cycle.....	33
Requirements and Test Results.....	40
FCC Part 15.223 (b), Harmonics and Spurious Emissions.....	40
Requirements and Test Results.....	47
FCC Part 15.205, Restricted Bands of Operation	47



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Revision History

Revisions to this document are listed below; the latest revised document supersedes all previous issues of this document.

Revision	Date	Pages Affected
-	February 2, 2026	Original Release
A	February 17, 2026	Global Change: - Report No. R-4106P-1 changed to R-4106P-1, Rev. A 5: - Added Retlif's FCC Lab Registration No.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Technical Information

Report Number: R-4106P-1, Rev. A

Applicant: Checkpoint Systems, Inc.

Address: 101 Wolf Drive
Thorofare, New Jersey 08086

Manufacturer: Checkpoint Systems, Inc.

Manufacturer Address: Checkpoint Systems, Inc.
101 Wolf Drive
Thorofare, New Jersey 08086

FRN: 0004326823

Test Sample: EAS RF Antenna Pedestal

Model Numbers Tested: NP14 PRI/PAB (Single Antenna)
NP14 PRI/PAB, NP14 SAB (Dual Antenna)

FCC ID: DO4NEO3NP

Power Requirements: 120 VAC, 60 Hz

Frequency of Operation: 7.825, 7.975, 8.125, 8.275, 8.425, 8.575 MHz

Equipment Class: FAP

Equipment Use: Fixed – Theft Deterrent System

Test Specification:

FCC Rules and Regulations Part 15, Subpart C, Section 15.223

Test Procedure:

ANSI C63.4:2014
ANSI C63.10:2020

Test Facility:

Retlif Testing Laboratories
3131 Detwiler Road
Harleysville, PA 19438

MRA Designation Number: US2321

Retlif Testing Laboratories FCC Registration Number: 518126



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Tests Performed

The test methods performed on the Antenna Pedestal are shown in Table 1 below:

Table 1 – Test Methods

FCC Part 15, Subpart C	Test Method	Results
15.203	Antenna Requirements	Complied
15.207 (a)	Conducted Emissions	Complied
15.223 (a)	6 dB and 99% Bandwidth	Complied
15.223 (a)	Fundamental Field Strength	Complied
15.223 (b)	Field Strength of Harmonics and Spurious outside of band	Complied
15.205	Restricted Bands of Operation	Complied*

*See Appendix A herein, FCC KDB Inquiry Summary.

Model Variants:

The Antenna Pedestal tested was provided as worst case configuration in accordance with Checkpoint Systems, Inc. The Neo v3.0 PAB/SAB family consists of the following versions:

- NP14 PRI/PAB
- NP24 PRI/PAB
- NP14 PRI/PAB, NP14 SAB
- NP24 PRI/PAB, NP24 SAB



All test methods listed above are included in Retlif Testing Laboratories ANSI National Accreditation Board (ANAB), ISO/IEC 17025 Scope of Accreditation, Certificate Number: L2320.02.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

General Test Information

Part 15.31 Measurement Standards

- Testing was performed using the procedures specified in ANSI C63.10:2020 in accordance with 15.31(a)(3).
- Testing was performed with the transmitter continuously transmitting at the selected frequency in accordance with 15.31(c).
- Field strength measurements were made on an Open Area Test Site in accordance with 15.31(d).
- Field strength measurements were made at a distance closer than specified in the regulations. The results were extrapolated to the specified test distance by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Sample Calculation:

$$\text{Extrapolation Factor (dB)} = 40 \text{ Log } (D_{\text{Meas}} / D_{\text{Spec}})$$

Where:

- D_{Meas} = Distance at which measurements were performed (10 Meters)
- D_{Spec} = Distance at which the limit is specified (30 Meters)

$$\begin{aligned} \text{Extrapolation Factor (dB)} &= 40 \text{ Log } (10 / 30) \\ &= 40 \text{ Log } (0.333) \\ &= 40 * -0.477 \\ &= -19.09 \end{aligned}$$

- The Device under test was positioned and adjusted to maximize the level of emissions in accordance with 15.31(g).
- All testing outlined herein was performed with the device under test operating at 120 VAC, 60 Hz.
- The test sample operates at 6 discrete frequencies, the lowest being 7.825 MHz and the highest being 8.575 MHz, a range of 750 kHz. In accordance with 15.31(m), for a device with a frequency range over which the device operates of 1 MHz or less, radiated measurements were taken with the device operating on all six (6) frequencies simultaneously.

Part 15.33 Frequency range of radiated measurements

- The radio frequency spectrum was investigated from 9 kHz to the 10th harmonic of the highest fundamental frequency as specified in 15.33(a)(1). In addition, the digital aspects of the device were evaluated under 15.109, over the frequency range of 30 MHz to 1 GHz. These results are contained within TUV SUD Certification and Testing, Report Number: 709502410399-00.

Part 15.35 Measurement detector function and bandwidths

- On frequencies below or equal to 1000 MHz, measurements were made utilizing a quasi-peak detector and associated bandwidths with the exception of measurements in the frequency bands of 9 to 90 kHz and 110 to 490 kHz in which an average detector was utilized.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

General Requirements FCC

Spectrum Analyzer Desensitization Considerations

Due to the nature of the emissions being measured, a pulse desensitization calculation was utilized in order to provide accurate peak measurements. The following formula was utilized:

$$\tau_{eff} = \text{Minimum Pulse Width} = 4.08 \mu\text{S}$$

$$K = 1.5$$

$$B = \text{Bandwidth utilized for measurement} = 10 \text{ kHz}$$

$$\text{Pulse Desensitization Factor (dB)} = 20 \log_{10} \tau_{eff} \times K \times B$$

$$\text{Pulse Desensitization Factor (dB)} = 20 \log_{10} 4.08 \mu\text{S} \times 1.5 \times 10 \text{ kHz}$$

$$\text{Pulse Desensitization Factor (dB)} = 24.437$$

Duty Cycle Correction for Average Reading

In accordance with ANSI C63.10 Paragraph 7.5, the below equation was utilized in order to determine the Average value of a pulsed emission:

During a transmission cycle (frame): first half of the frame (TX1), repeat the frequency sequence eight times, for a total of 48 TX pulses, in 8 ms; second half of the frame (TX2), repeat the frequency sequence eight times, for a total of 48 TX pulses, in 8 ms. There is frame jitter time 0-2 ms. The maximum duty cycle (frame jitter: 0 ms): $4 \mu\text{s} \times (48 \times 2) / (2 \times 8 \text{ ms}) = 2.4\%$.

CALCULATION

$$\text{Duty Cycle} = \frac{2.4}{100} \%$$

$$\text{Correction Factor} = 20 \log (0.024) = -32.4 \text{ dB}$$



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.203, Antenna Requirements

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.

- Results:
In accordance with Checkpoint Systems, Inc the antenna is permanently installed.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.207(a), Conducted Emissions

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits shown in Table 2, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of the paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Table 2 - Conducted Emission Limits

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-Peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50

*Decreases due to logarithm of the frequency

- Results:
The conducted emissions observed did not exceed the limits specified in Table 2.

Equipment List:

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
8079	ROHDE &	ESH3	RECEIVER, EMI, 9 kHz - 30 MHz	861742/012	6/30/2026
8366A	RETLIF	20' BNC	CABLE, COAXIAL, 10 KHz - 1 GHz	n/a	5/31/2026
8496	NARDA MICROWAVE	768-10	ATTENUATOR, COAXIAL, 10 dB, DC - 11 GHz, 20 W	04105	6/30/2026
8619	OMEGA	OM-73	HYGROMETER, -20 to 70 deg. C, 0-99% RH	051442102C	4/30/2026
8633	SOLAR ELECTRONICS	21106-50-BP-25- BNC	LISN, 50 μ H, 150 kHz - 30 MHz	21106141201	9/30/2026
8634	SOLAR ELECTRONICS	21106-50-BP-25- BNC	LISN, 50 μ H, 150 kHz - 30 MHz	21106141202	9/30/2026
8749	RIGOL	DSA832E	ANALYZER, SPECTRUM, 9 kHz - 3.2 GHz	DSA8G2018001 33	5/31/2026



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**FCC Part 15.207, Conducted Emissions
150 kHz to 30 MHz
Test Data, Single Antenna**



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15.207
Method:	ANSI C63.10, 6.2: Standard test method for ac power-line conducted emissions from unlicensed wireless devices
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Part Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	P. DePietro
Date(s):	12/17/25
Temperature:	20.7 °C
Relative Humidity:	23.8 %
Lead Tested:	120 VAC, 60 Hz, Hot

The frequency range was scanned from 0.15 MHz to 30 MHz.

The six highest emissions relative to the limit are presented.

The emissions observed from the EUT do not exceed the specified limits.

Frequency	Detector	Meter Reading	Total Correction Factor	Corrected Reading	Limit	Margin
MHz	–	dBµV	dB	dBµV	dBµV	dB
0.2012	Peak	20.9	10.1	31.0*	–	–
0.2012	Quasi-Peak	11.9	10.1	22.0	63.6	41.6
0.2012	Average	1.5	10.1	11.6	53.6	42.0
0.3097	Peak	18.7	10.1	28.8*	–	–
0.3097	Quasi-Peak	7.0	10.1	17.1	60.0	42.9
0.3097	Average	0.7	10.1	10.8	50.0	39.2
7.7000	Peak	42.0	10.3	52.3*	–	–
7.7000	Quasi-Peak	35.5	10.3	45.8	60.0	14.2
7.7000	Average	22.1	10.3	32.4	50.0	17.6
8.3700	Peak	46.7	10.3	57.0*	–	–
8.3700	Quasi-Peak	41.6	10.3	51.9	60.0	8.1
8.3700	Average	29.1	10.3	39.4	50.0	10.6
8.9600	Peak	32.7	10.3	43.0*	–	–
8.9600	Quasi-Peak	27.0	10.3	37.3	60.0	22.7
8.9600	Average	14.7	10.3	25.0	50.0	25.0
11.9394	Peak	20.3	10.4	30.7*	–	–
11.9394	Quasi-Peak	12.9	10.4	23.3	60.0	36.7
11.9394	Average	5.0	10.4	15.4	50.0	34.6

* Peak measurements are recorded for informational purposes only.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15.207
Method:	ANSI C63.10, 6.2: Standard test method for ac power-line conducted emissions from unlicensed wireless devices
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	P. DePietro
Date(s):	12/17/25
Temperature:	20.7 °C
Relative Humidity:	23.8 %
Lead Tested:	120 VAC, 60 Hz, Neutral

The frequency range was scanned from 0.15 MHz to 30 MHz.

The six highest emissions relative to the limit are presented.

The emissions observed from the EUT do not exceed the specified limits.

Frequency	Detector	Meter Reading	Total Correction Factor	Corrected Reading	Limit	Margin
MHz	–	dBµV	dB	dBµV	dBµV	dB
0.1530	Peak	29.5	10.1	39.6*	–	–
0.1530	Quasi-Peak	23.7	10.1	33.8	65.8	32.0
0.1530	Average	14.7	10.1	24.8	55.8	31.0
0.2002	Peak	22.7	10.1	32.8*	–	–
0.2002	Quasi-Peak	14.7	10.1	24.8	63.6	38.8
0.2002	Average	2.7	10.1	12.8	53.6	40.8
0.2622	Peak	17.7	10.1	27.8*	–	–
0.2622	Quasi-Peak	8.7	10.1	18.8	61.4	42.6
0.2622	Average	1.7	10.1	11.8	51.4	39.6
0.3561	Peak	17.2	10.1	27.3*	–	–
0.3561	Quasi-Peak	10.2	10.1	20.3	58.8	38.5
0.3561	Average	4.7	10.1	14.8	48.8	34.0
8.6180	Peak	47.1	10.3	57.4*	–	–
8.6180	Quasi-Peak	42.3	10.3	52.6	60.0	7.4
8.6180	Average	25.1	10.3	35.4	50.0	14.6
11.9576	Peak	20.7	10.4	31.1*	–	–
11.9576	Quasi-Peak	14.4	10.4	24.8	60.0	35.2
11.9576	Average	4.5	10.4	14.9	50.0	35.1

* Peak measurements are recorded for informational purposes only.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**FCC Part 15.207, Conducted Emissions
150 kHz to 30 MHz
Test Data, Dual Antenna**



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15.207
Method:	ANSI C63.10, Section 6.2
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	P. DePietro
Date(s):	12/17/25
Temperature:	20.7 °C
Relative Humidity:	23.5 %
Lead Tested:	120 VAC, 60 Hz, Hot

The frequency range was scanned from 0.15 MHz to 30 MHz.

The six highest emissions relative to the limit are presented.

The emissions observed from the EUT do not exceed the specified limits.

Frequency	Detector	Meter Reading	Total Correction Factor	Corrected Reading	Limit	Margin
MHz	–	dBµV	dB	dBµV	dBµV	dB
0.1619	Peak	25.9	10.1	36.0*	–	–
0.1619	Quasi-Peak	32.5	10.1	42.6	65.4	22.8
0.1619	Average	24.7	10.1	34.8	55.4	20.6
0.2216	Peak	27.7	10.1	37.8*	–	–
0.2216	Quasi-Peak	20.7	10.1	30.8	62.8	32.0
0.2216	Average	13.5	10.1	23.6	52.8	29.2
0.3890	Peak	23.7	10.1	33.8*	–	–
0.3890	Quasi-Peak	16.0	10.1	26.1	58.1	32.0
0.3890	Average	10.2	10.1	20.3	48.1	27.8
0.4990	Peak	23.7	10.1	33.8*	–	–
0.4990	Quasi-Peak	19.3	10.1	29.4	56.0	26.6
0.4990	Average	14.7	10.1	24.8	46.0	21.2
7.7777	Peak	20.7	10.3	31.0*	–	–
7.7777	Quasi-Peak	14.7	10.3	25.0	60.0	35.0
7.7777	Average	4.7	10.3	15.0	50.0	35.0
8.5763	Peak	22.4	10.3	32.7*	–	–
8.5763	Quasi-Peak	16.3	10.3	26.6	60.0	33.4
8.5763	Average	5.0	10.3	15.3	50.0	34.7

* Peak measurements are recorded for informational purposes only.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15.207
Method:	ANSI C63.10, Section 6.2
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	P. DePietro
Date(s):	12/17/25
Temperature:	20.7 °C
Relative Humidity:	23.5 %
Lead Tested:	120 VAC, 60 Hz, Neutral

The frequency range was scanned from 0.15 MHz to 30 MHz.

The six highest emissions relative to the limit are presented.

The emissions observed from the EUT do not exceed the specified limits.

Frequency	Detector	Meter Reading	Total Correction Factor	Corrected Reading	Limit	Margin
MHz	–	dBµV	dB	dBµV	dBµV	dB
0.1648	Peak	38.9	10.1	49.0*	–	–
0.1648	Quasi-Peak	33.9	10.1	44.0	65.2	21.2
0.1648	Average	25.5	10.1	35.6	55.2	19.6
0.2503	Peak	23.7	10.1	33.8*	–	–
0.2503	Quasi-Peak	17.0	10.1	27.1	61.7	34.6
0.2503	Average	9.5	10.1	19.6	51.7	32.1
0.5082	Peak	24.4	10.1	34.5*	–	–
0.5082	Quasi-Peak	19.7	10.1	29.8	56.0	26.2
0.5082	Average	12.4	10.1	22.5	46.0	23.5
0.5675	Peak	21.5	10.1	31.6*	–	–
0.5675	Quasi-Peak	16.0	10.1	26.1	56.0	29.9
0.5675	Average	7.7	10.1	17.8	46.0	28.2
0.8200	Peak	16.2	10.1	26.3*	–	–
0.8200	Quasi-Peak	2.1	10.1	12.2	56.0	43.8
0.8200	Average	-1.8	10.1	8.3	46.0	37.7
8.4338	Peak	25.7	10.3	36.0*	–	–
8.4338	Quasi-Peak	19.7	10.3	30.0	60.0	30.0
8.4338	Average	9.9	10.3	20.2	50.0	29.8

* Peak measurements are recorded for informational purposes only.



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.223 (a), 6 dB and 99% Occupied Bandwidth

If the bandwidth of the emission is less than 10% of the center frequency, the field strength shall not exceed 15 microvolts/meter or (the bandwidth of the device in kHz) divided by (the center frequency of the device in MHz) microvolts/meter at a distance of 30 meters, whichever is the higher level. For the purposes of this section, bandwidth is determined at the points 6 dB down from the modulated carrier.

- Results:
The maximum 6 dB bandwidth of any individual emission was 317.7 kHz.

Equipment List:

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
8322	ETS / EMCO	6512	ANTENNA, LOOP, 10 KHz - 30 MHz	00060485	4/30/2026
8816	ROHDE &	ESW26	RECEIVER, EMI, 1 Hz - 26 GHz	103087	9/30/2026
8818	KOAXIS	AR11-KF210J-NR11-72.	CABLE, COAXIAL, DC - 18 GHz	NSN	12/31/2026



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**FCC Part 15.223
Occupied Bandwidth
Test Data, Single Antenna**

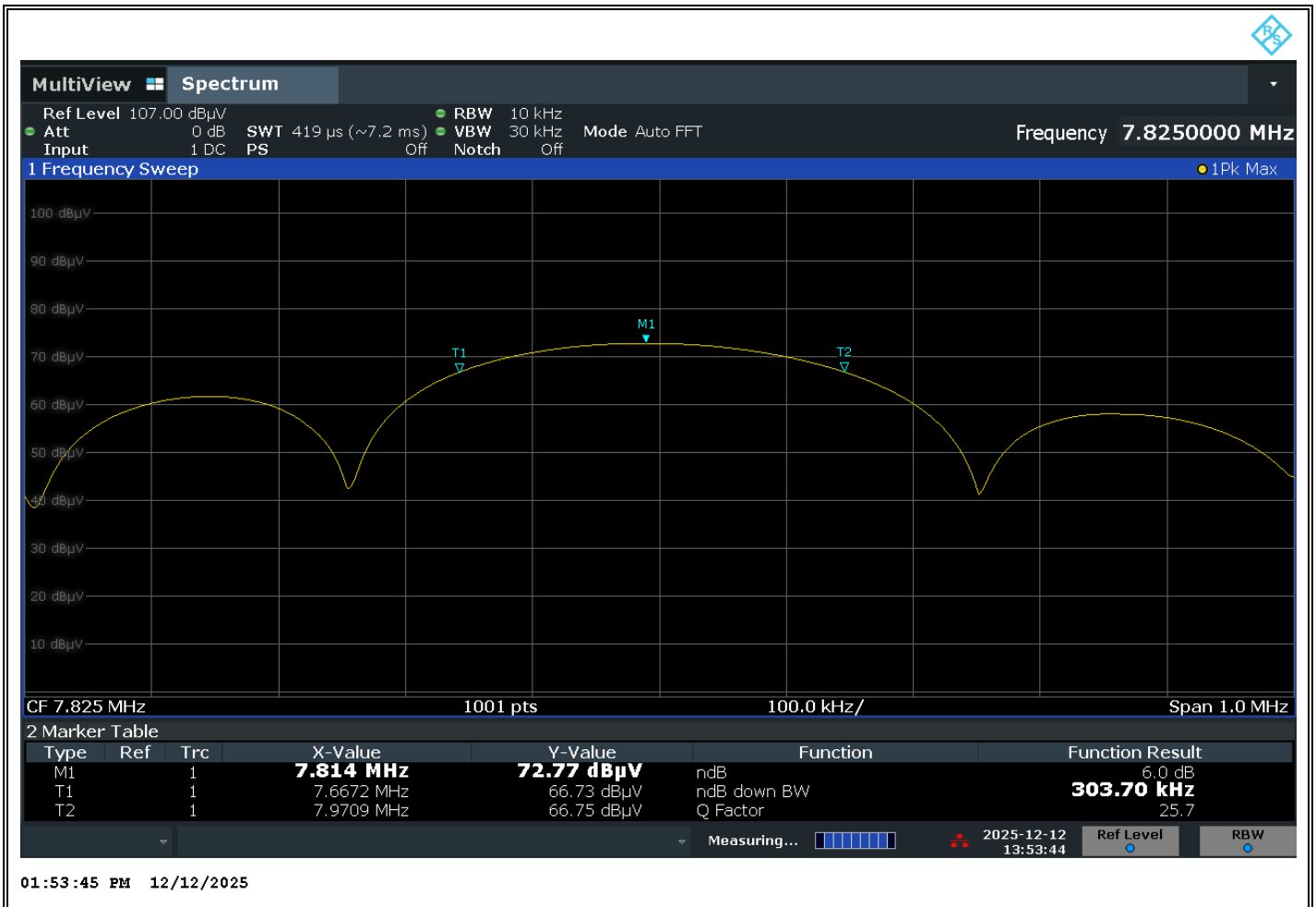


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	7.825 MHz
6 dB Occupied Bandwidth:	303.7 kHz

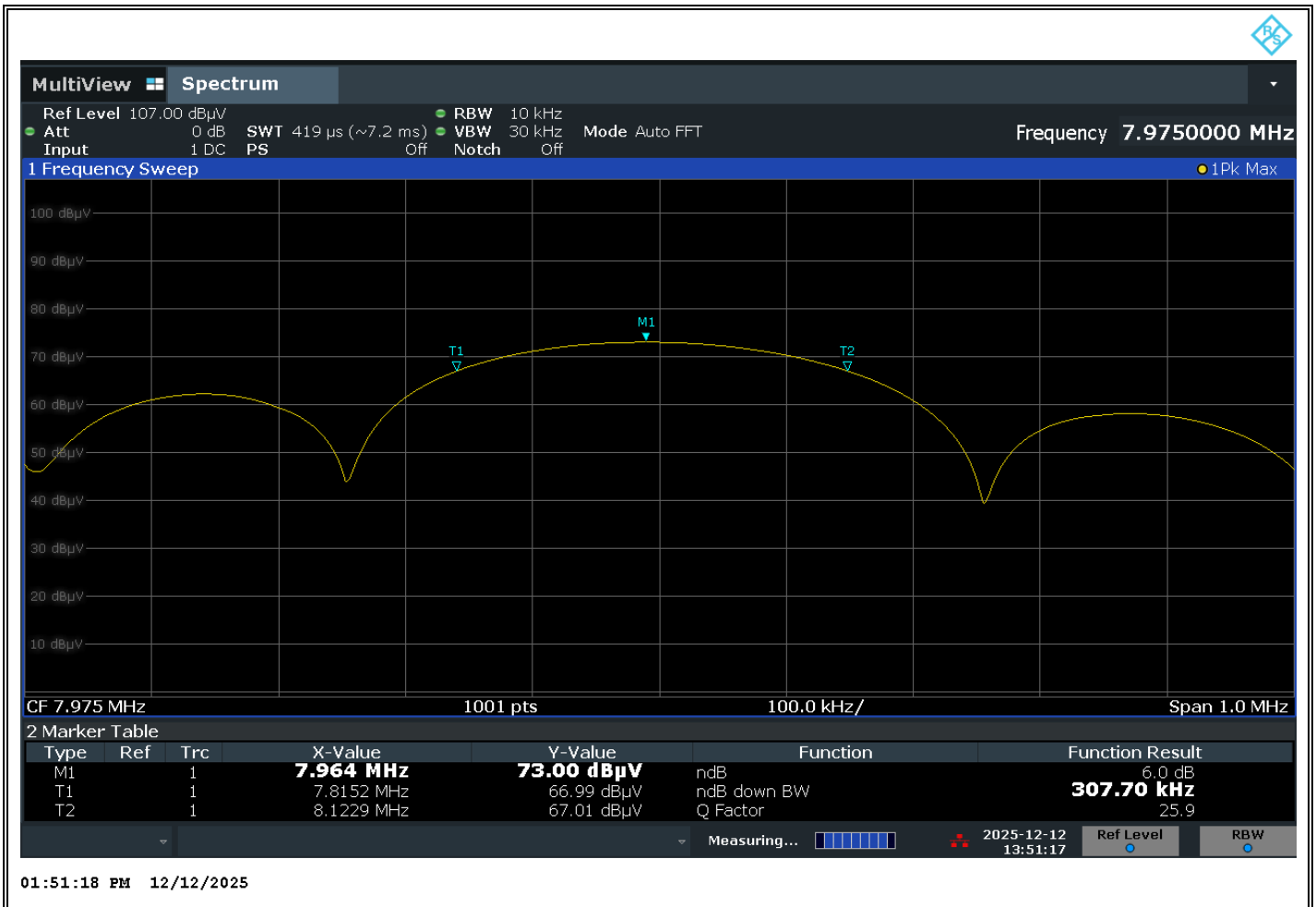


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	7.975 MHz
6 dB Occupied Bandwidth:	307.7 kHz

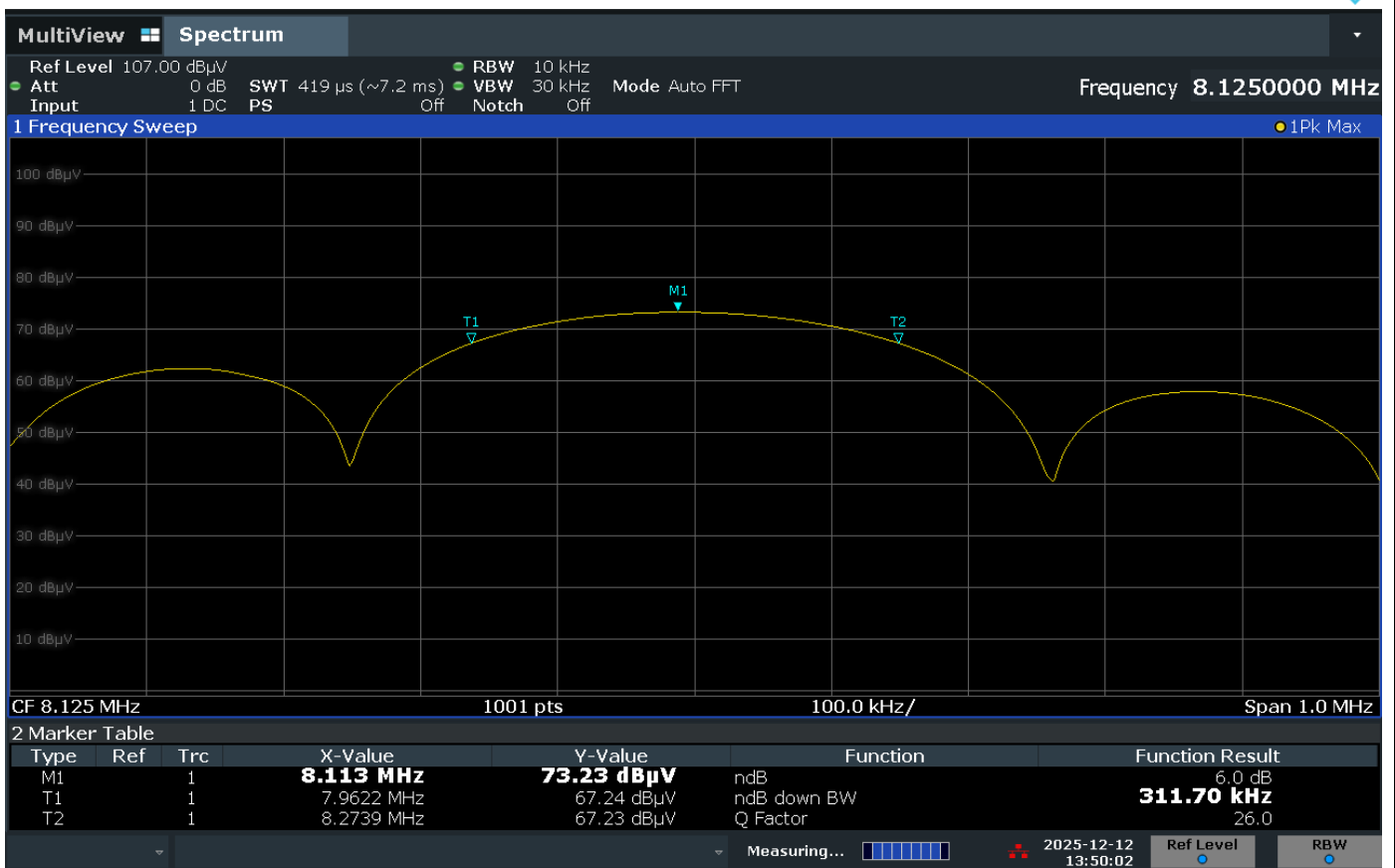


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.125 MHz
6 dB Occupied Bandwidth:	311.7 kHz



01:50:03 PM 12/12/2025

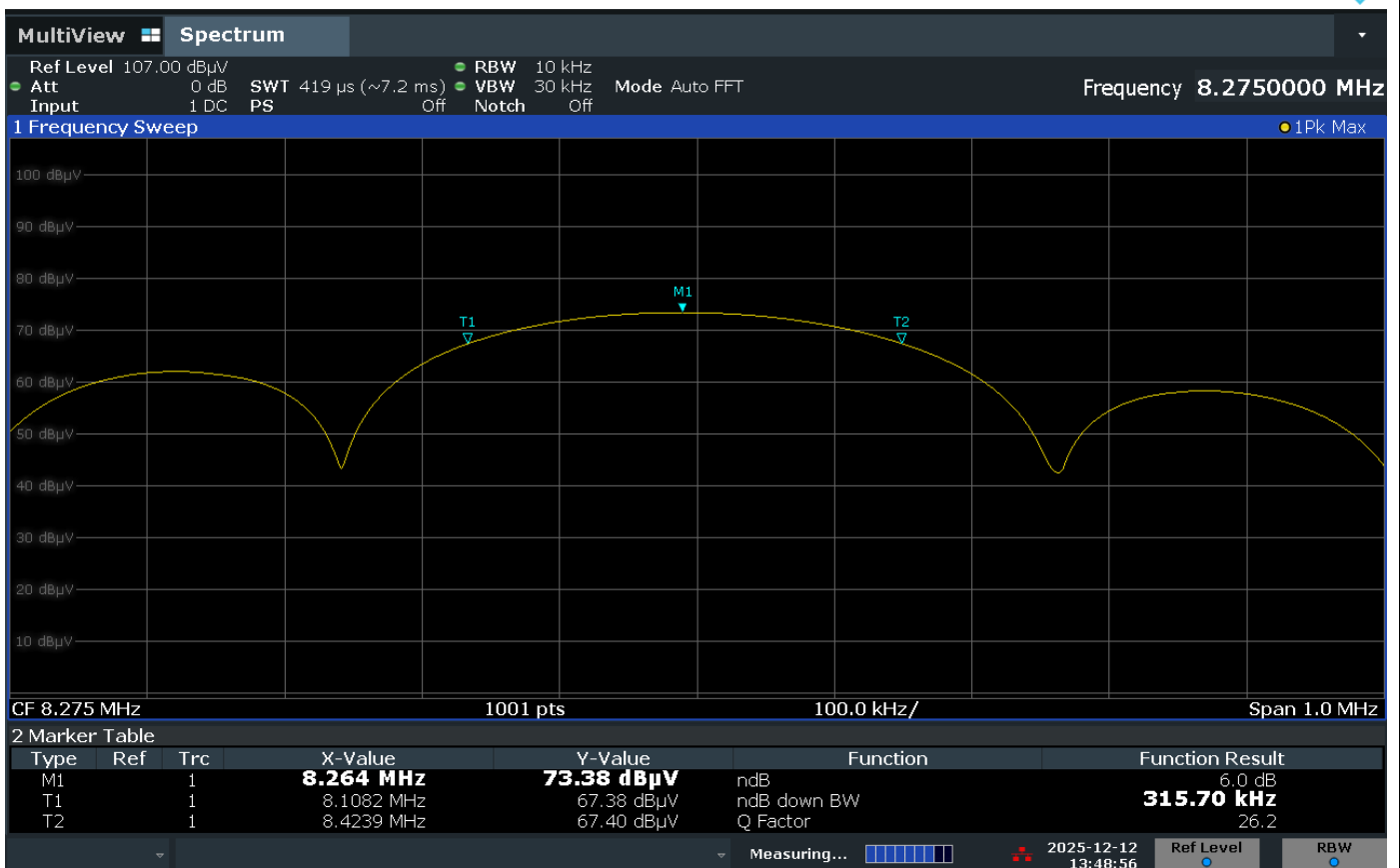


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.275 MHz
6 dB Occupied Bandwidth:	315.7 kHz



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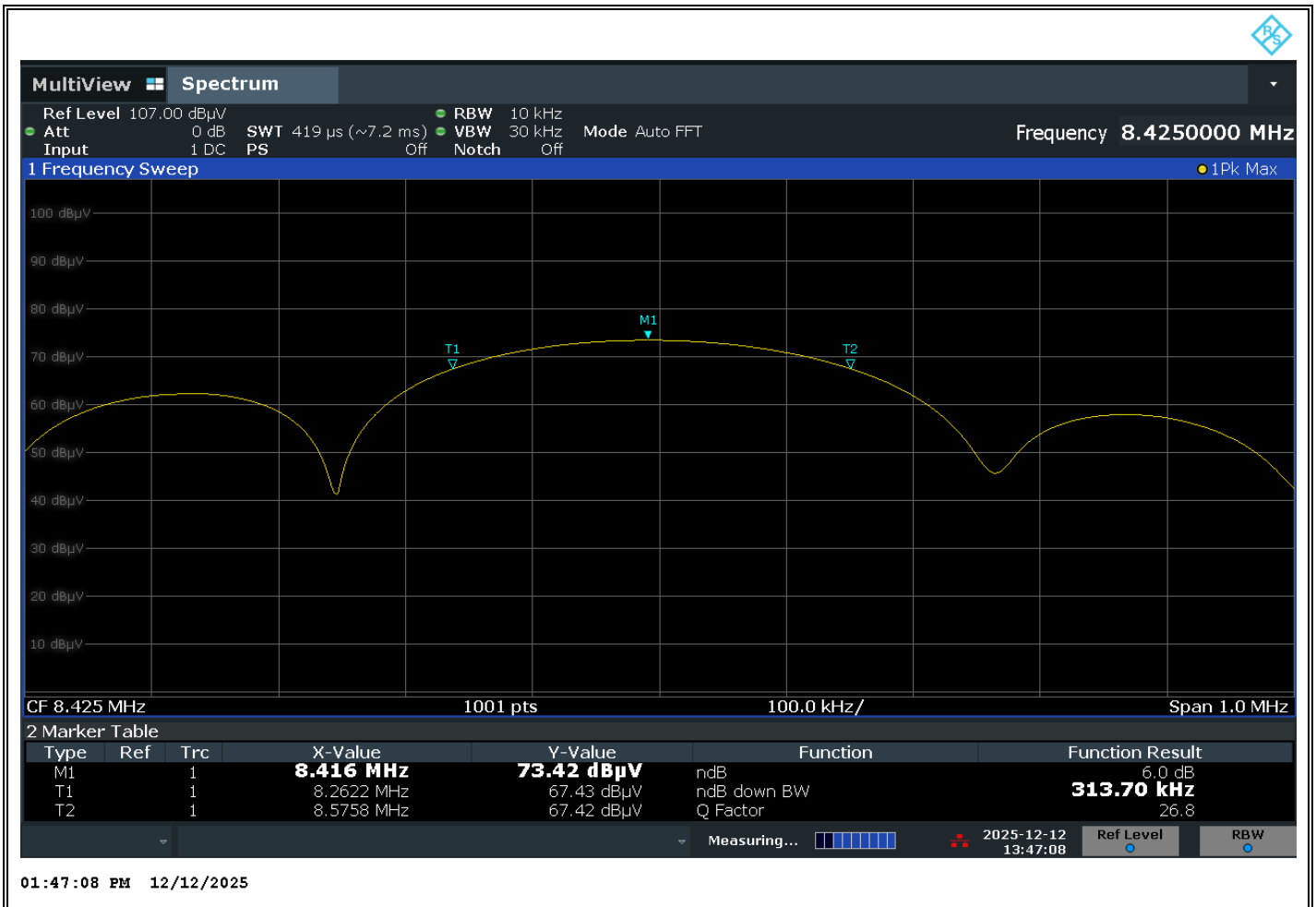


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.425 MHz
6 dB Occupied Bandwidth:	313.7 kHz

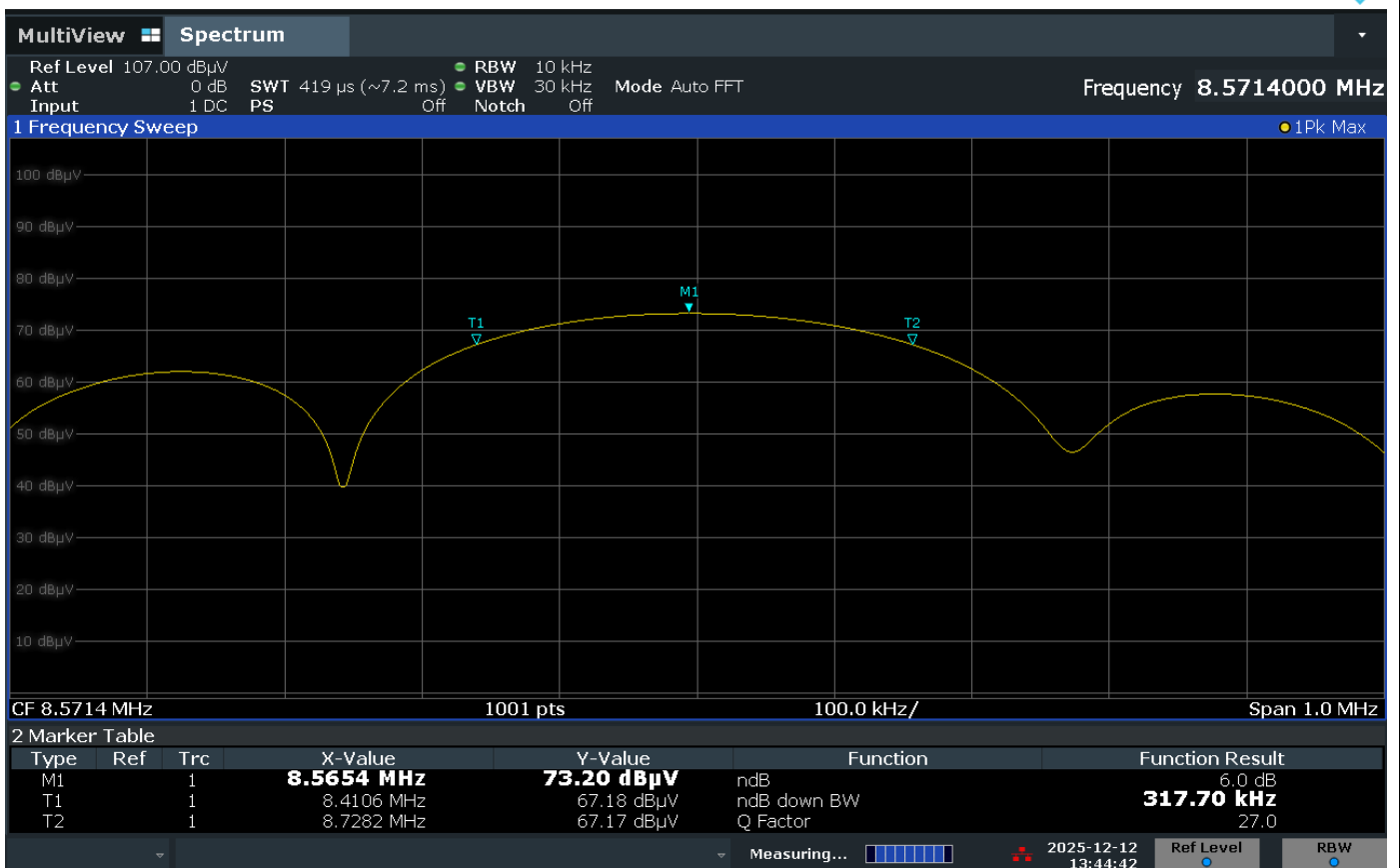


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.575 MHz
6 dB Occupied Bandwidth:	317.7 kHz



01:44:43 PM 12/12/2025

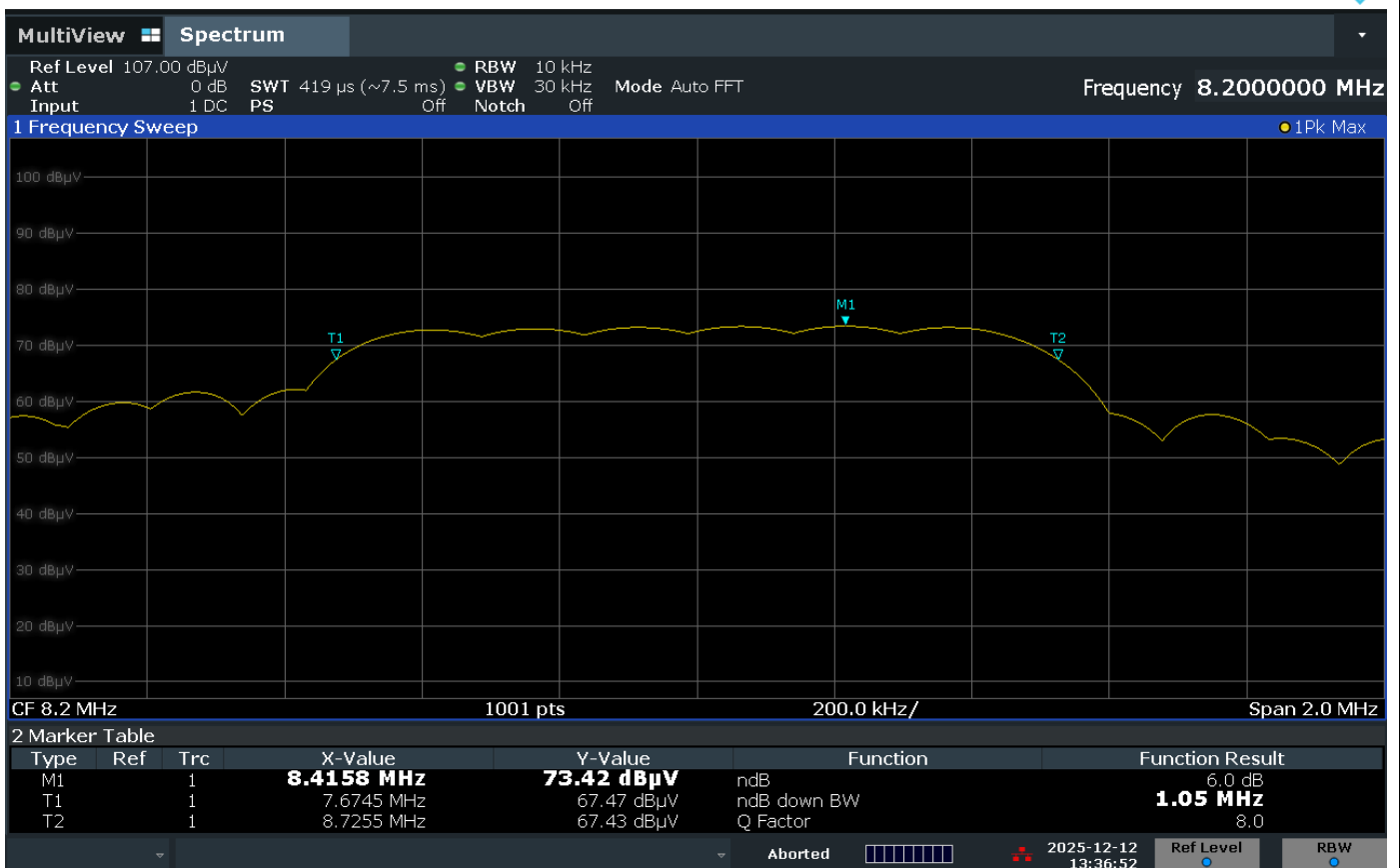


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	All 6 Frequencies
6 dB Occupied Bandwidth:	1.05 MHz



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Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**FCC Part 15.223
Occupied Bandwidth
Test Data, Dual Antenna**

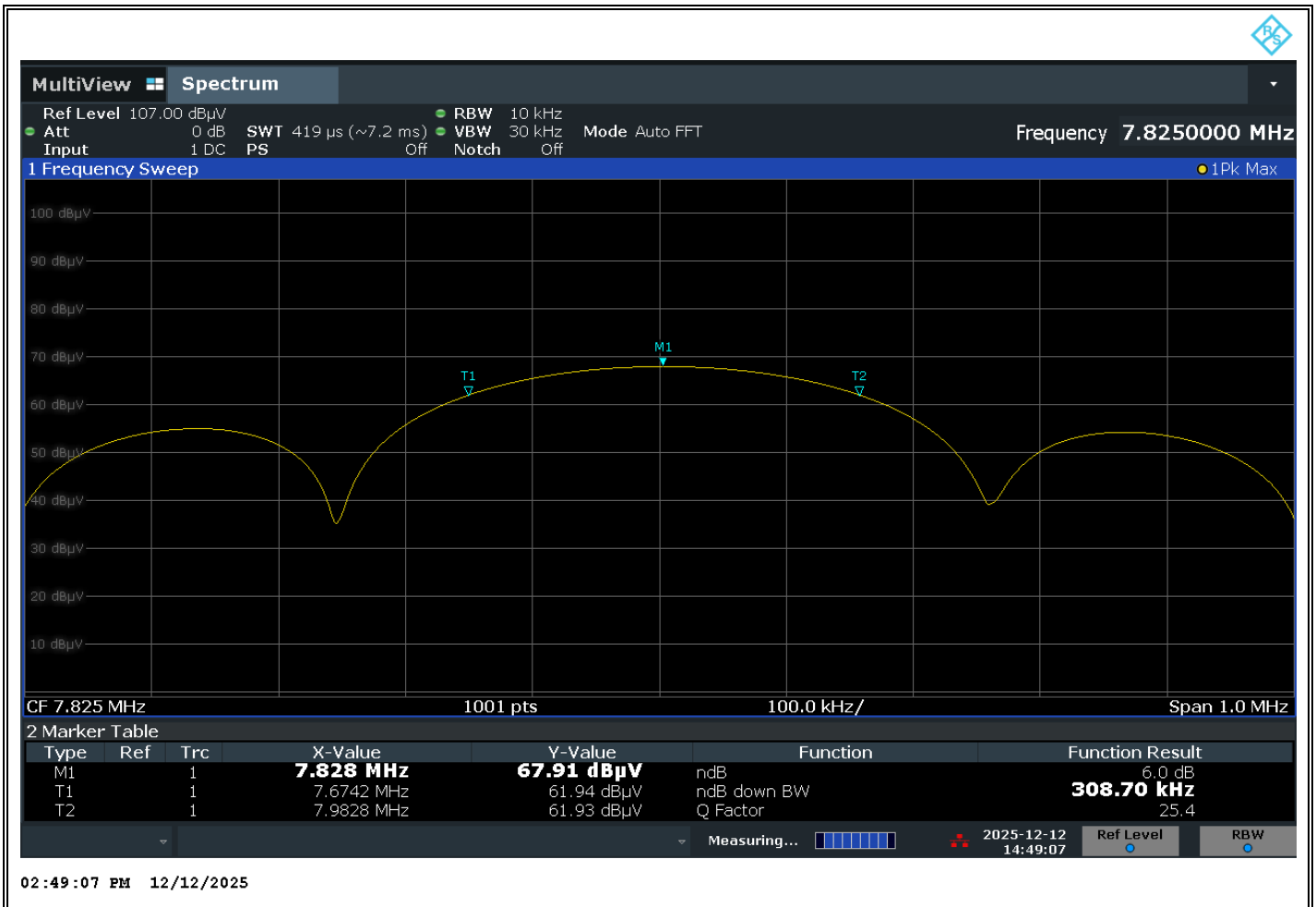


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	7.825 MHz
6 dB Occupied Bandwidth:	308.7 kHz

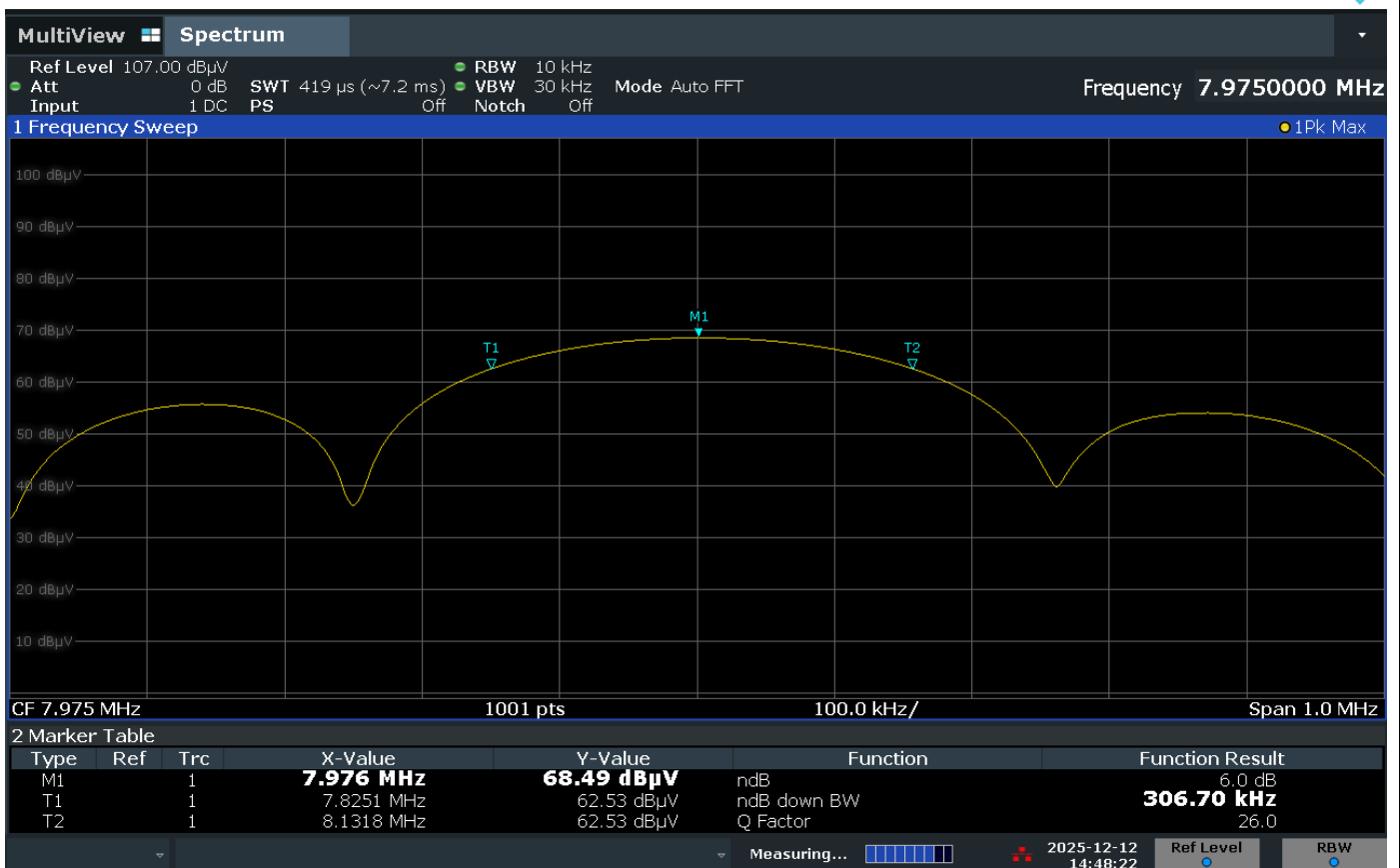


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	7.975 MHz
6 dB Occupied Bandwidth:	306.7 kHz



02:48:23 PM 12/12/2025

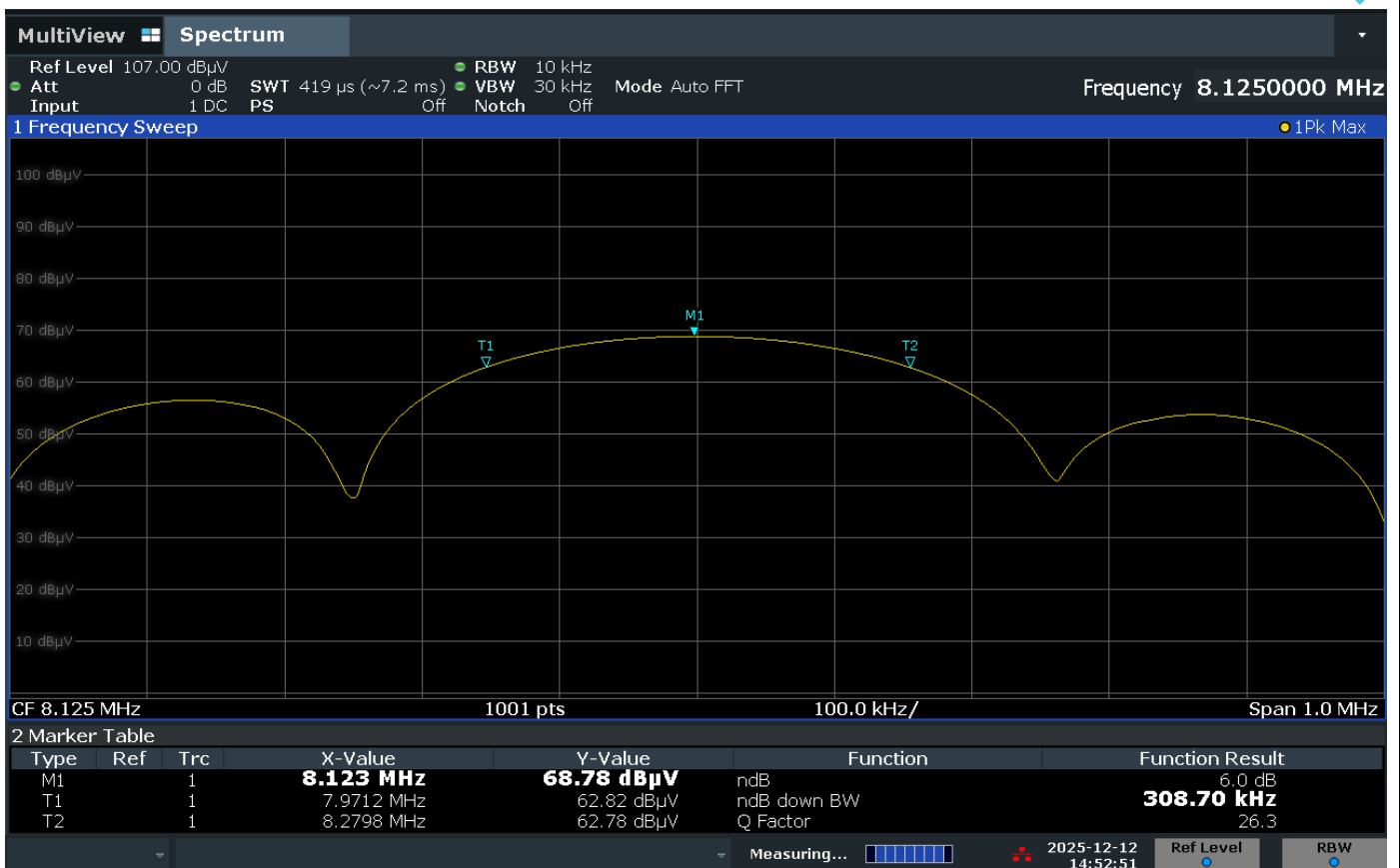


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.125 MHz
6 dB Occupied Bandwidth:	308.7 kHz



02:52:51 PM 12/12/2025

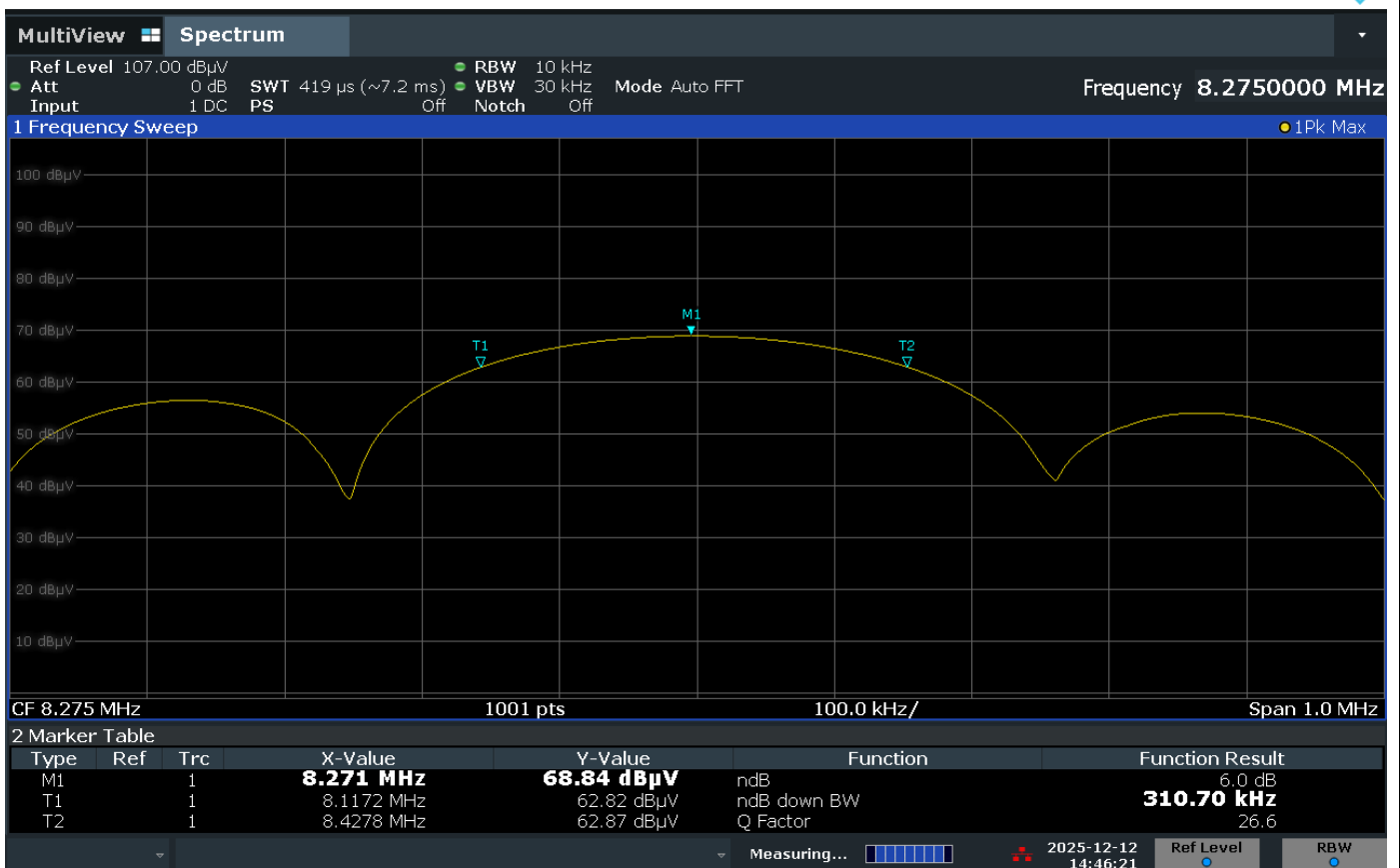


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.275 MHz
6 dB Occupied Bandwidth:	310.7 kHz



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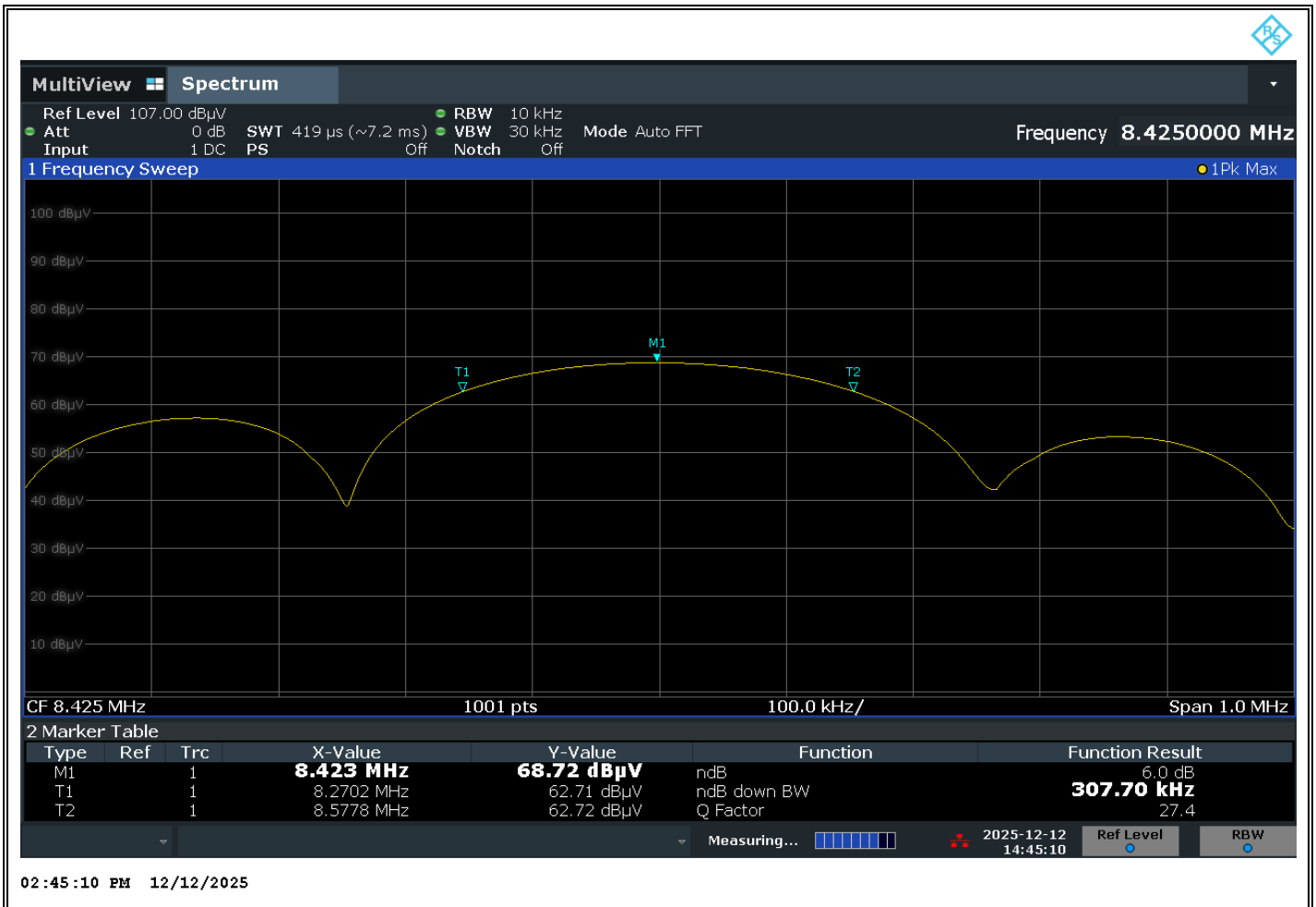


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.425 MHz
6 dB Occupied Bandwidth:	307.7 kHz

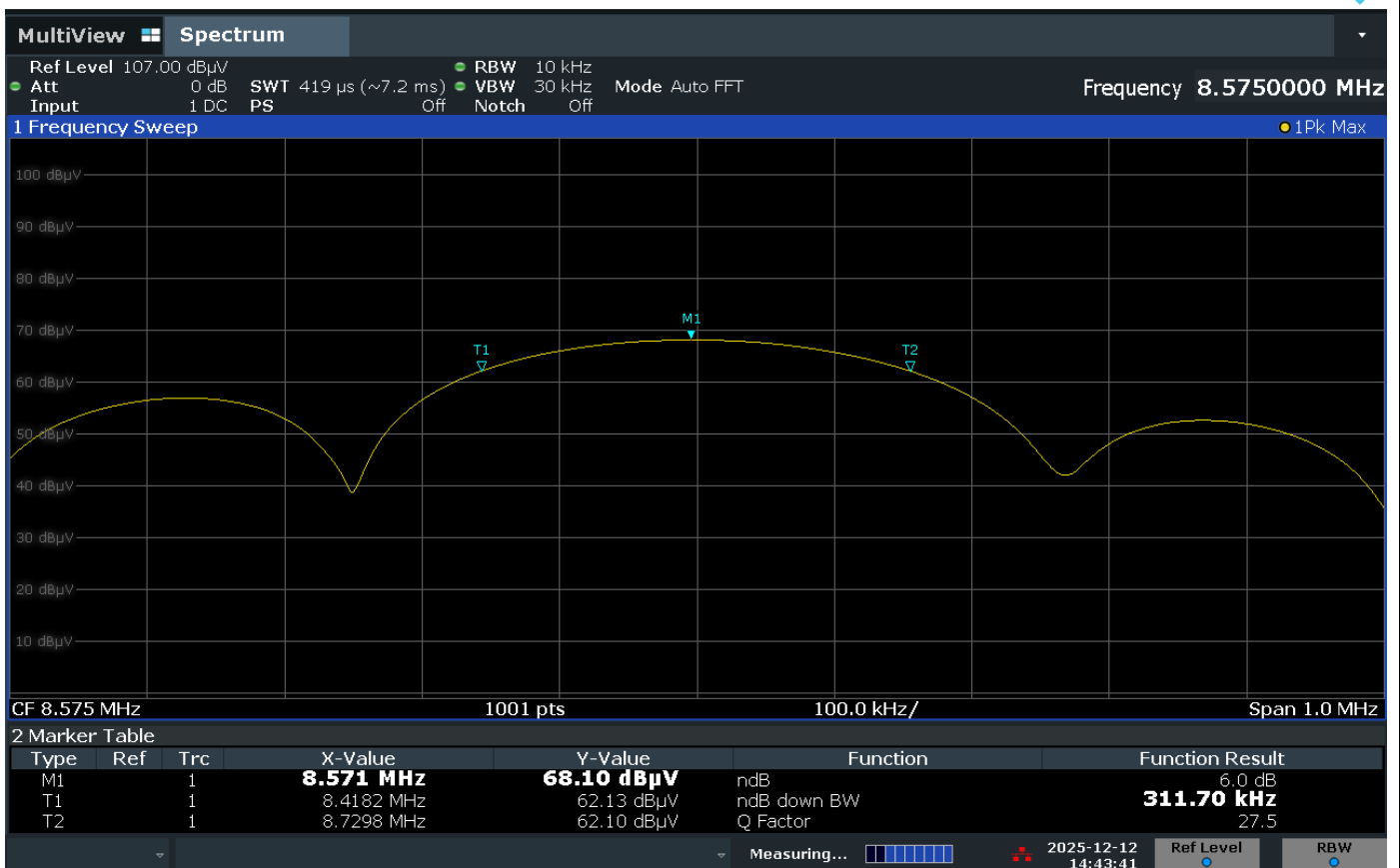


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	8.575 MHz
6 dB Occupied Bandwidth:	311.7 kHz



02:43:41 PM 12/12/2025

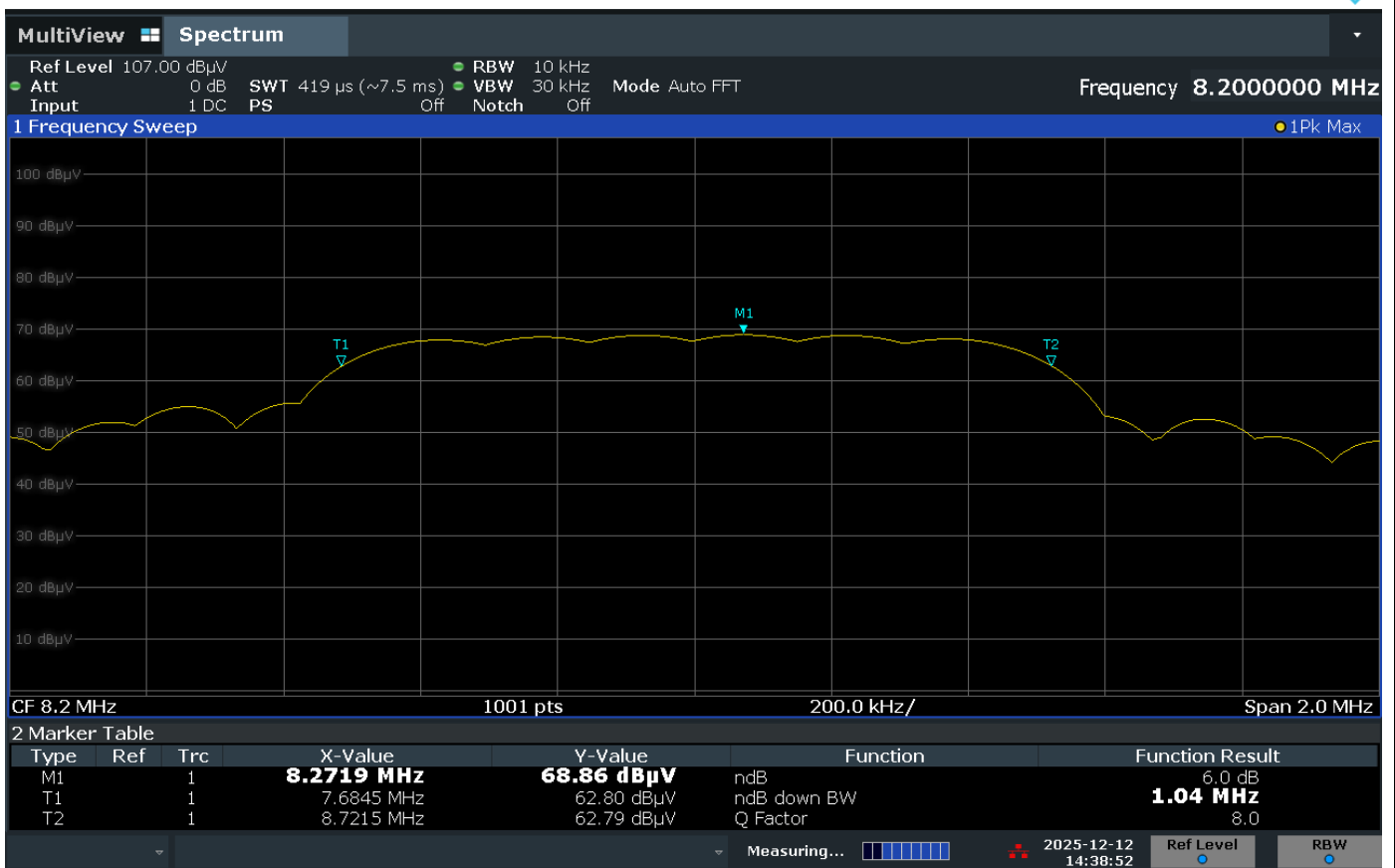


Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart B, Section 15.223(a), Occupied Bandwidth
Method:	Occupied Bandwidth, 6dB
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date:	12/12/25
Transmit Frequency:	All 6 Frequencies
6 dB Occupied Bandwidth:	1.04 MHz



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Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.223 (a), Fundamental Field Strength and Duty Cycle

The field strength of any emission within the band 1.705-10.0 MHz shall not exceed 100 microvolts/meter at a distance of 30 meters. The emission limits in this paragraph are based on measurement instrumentation employing an average detector. The provisions in §15.35(b) for limiting peak emissions apply.

Table 3 - Field Strength of Emissions Limits

Peak Field Strength Limit	Average Field Strength Limit
1000 $\mu\text{V/m}$	100 $\mu\text{V/m}$

- Results:
The device was operated at the following six (6) frequencies simultaneously: 7.825, 7.975, 8.125, 8.275, 8.425, 8.575 MHz. The maximum Peak reading was 972.0 $\mu\text{V/m}$. The maximum average reading was 23.0 $\mu\text{V/m}$.

Equipment List:

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
3207	ETS / EMCO	6502	ANTENNA, ACTIVE LOOP, 9 kHz - 30 MHz	1033	5/31/2026
5272	ROHDE & SCHWARZ	ESPC	RECEIVER, EMI, 150 kHz - 1 GHz	843820/023	4/30/2026
8300	RETLIF	RPA	OPEN AREA TEST SITE, ATTENUATION, 3/10 Meter OATS	N/A	5/31/2026
8300B	UNKNOWN	10 METER CABLE	CABLE, COAXIAL, 3/10 Meter Site	N/A	1/31/2026
8644	AGILENT / HP	85662A	ANALYZER, SPECTRUM, 100 Hz - 22 GHz	2848A18175	10/31/2026
8644A	AGILENT / HP	8566B	ANALYZER, SPECTRUM, 100 Hz - 22.5 GHz	2937A06124	10/31/2026
8663	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	151210306	10/31/2026



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**15.223(a), Fundamental Field Strength
Test Data, Single Antenna**



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Fundamental Field Strength
Method:	ANSI C63.10, Section 6.4, Radiated Emission From Unlicensed <30 MHz
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date(s):	12/15/25
Temperature:	-0.6 °C
Relative Humidity:	40
Detector:	Peak
Test Distance:	10m

Notes:

Frequency	Antenna Orientation / Height	EUT Orientation	Meter Reading @10m	Correction Factor	Pulse Desensitization Factor	Distance Correction	Corrected Reading @ 30m	Converted Reading @ 30m	Limit @ 30m
MHz		Degrees	dBuV	dB		dB	dBuV/m	uV/m	uV/m
7.950	Perpendicular / 1.00	269.4	42.3	12.1	24.44	-19.09	59.75	971.63	1000
7.950	Parallel / 1.00	20.4	41.4	12.1	24.44	-19.09	58.85	875.99	1000
7.950	Parallel to Ground / 1.00	183.5	31.2	12.1	24.44	-19.09	48.65	270.71	1000



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Fundamental Field Strength
Method:	ANSI C63.10, Section 6.4, Radiated Emission From Unlicensed <30 MHz
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date(s):	12/15/25
Temperature:	-0.6 °C
Relative Humidity:	40
Detector:	Peak (converted to average via Duty Cycle correction)
Test Distance:	10m

Notes:

Duty Cycle = 2.39%, -32.43 dB

Frequency	Antenna Orientation / Height	EUT Orientation	Corrected Peak Meter Reading	Duty Cycle Correction Factor	Corrected Reading @ 30m	Converted Reading @ 30m	Limit @ 30m
MHz		Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
7.950	Perpendicular / 1.00	269.4	59.75	-32.43	27.32	23.23	100
7.950	Parallel / 1.00	20.4	58.85	-32.43	26.42	20.94	100
7.950	Parallel to Ground / 1.00	183.5	48.65	-32.43	16.22	6.47	100



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

**15.223(a), Fundamental Field Strength
Test Data, Dual Antenna**



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Fundamental Field Strength
Method:	ANSI C63.10, Section 6.4, Radiated Emission From Unlicensed <30 MHz
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date(s):	12/15/25
Temperature:	-0.6 °C
Relative Humidity:	40
Detector:	Peak
Test Distance:	10m
Notes:	

Frequency	Antenna Orientation / Height	EUT Orientation	Meter Reading @10m	Correction Factor	Pulse Desensitization Factor	Distance Correction	Corrected Reading @ 30m	Converted Reading @ 30m	Limit @ 30m
MHz		Degrees	dBuV	dB		dB	dBuV/m	uV/m	uV/m
7.950	Perpendicular / 1.00	209.0	41.8	12.1	24.44	-19.09	59.25	917.28	1000
7.950	Parallel / 1.00	112.0	34.1	12.1	24.44	-19.09	51.55	378.01	1000
7.950	Parallel to Ground / 1.00	302.8	29.4	12.1	24.44	-19.09	46.85	220.04	1000



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(a), Fundamental Field Strength
Method:	ANSI C63.10, Section 6.4, Radiated Emission From Unlicensed <30 MHz
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date(s):	12/15/25
Temperature:	-0.6 °C
Relative Humidity:	40
Detector:	Peak (converted to average via Duty Cycle correction)
Test Distance:	10m

Notes:

Duty Cycle = 2.31%, -32.73 dB

Frequency	Antenna Orientation / Height	EUT Orientation	Corrected Peak Meter Reading	Duty Cycle Correction Factor	Corrected Reading @ 30m	Converted Reading @ 30m	Limit @ 30m
MHz		Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
7.950	Perpendicular / 1.00	209.0	59.25	-32.73	26.52	21.18	100
7.950	Parallel / 1.00	112.0	51.55	-32.73	18.82	8.73	100
7.950	Parallel to Ground / 1.00	302.8	46.85	-32.73	14.12	5.08	100



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.223 (b), Harmonics and Spurious Emissions

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in Table 4.

Table 4 - Radiated Emission Limits

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 to 0.490	2400/F(kHz)	300
0.490 to 1.705	24000/F(kHz)	30
1.705 to 30.0	30	30
30 to 88	100	3
88 to 100	150	3

- Results:
The field strength of spurious radiated emissions did not exceed the limits specified in Table 4.

Equipment List:

EN	Manufacturer	Model No.	Description	Serial No.	Due Date
127A	ETS / EMCO	3104	ANTENNA, BICONICAL, 20 - 200 MHz	2319	2/28/2027
3207	ETS / EMCO	6502	ANTENNA, ACTIVE LOOP, 9 kHz - 30 MHz	1033	5/31/2026
5272	ROHDE & SCHWARZ	ESPC	RECEIVER, EMI, 150 kHz - 1 GHz	843820/023	4/30/2026
8300	RETLIF	RPA	OPEN AREA TEST SITE, ATTENUATION, 3/10 Meter OATS	N/A	5/31/2026
8300C	UNKNOWN	3 METER CABLE	CABLE, COAXIAL, 3/10 METER	N/A	1/31/2026
8644	AGILENT / HP	85662A	ANALYZER, SPECTRUM, 100 Hz - 22 GHz	2848A18175	10/31/2026
8644A	AGILENT / HP	8566B	ANALYZER, SPECTRUM, 100 Hz - 22.5 GHz	2937A06124	10/31/2026
8644B	AGILENT / HP	85685A	ANALYZER, RF PRESELECTOR, 20 Hz - 2 GHz	2724A00532	10/31/2026
8663	DIGI-SENSE	20250-30	HYGROMETER, 0 - 50 deg. c, 10 - 90 % RH	151210306	10/31/2026



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

FCC Part 15, Subpart C, Section 15.223 (b)
Harmonics and Spurious Emissions
9 kHz to 100 MHz
Test Data, Single Antenna



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(b), Harmonics and Spurious Emissions
Method:	ANSI C63.10, Section 6.4 and 6.5.
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date(s):	12/16/25
Temperature:	-5.5 °C
Relative Humidity:	51
Detector:	Quasi-peak
Test Distance:	3m

Notes: The frequency range was scanned from 9 kHz to 30 MHz

The emissions observed from the EUT do not exceed the specified limits. The two highest readings relative to the limit are presented.

*Noise floor measurement, minimum sensitivity of measurement system.

Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted to 300m	Converted Reading	Limit at 300m
MHz	(Par/Perp) / Height	Degrees	dBuV	dB	dBuV/m	dBuV/m	uV/m	uV/m
0.009								266.67
0.490								4.89
Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted to 30m	Converted Reading	Limit at 30m
MHz	(Par/Perp) / Height	Degrees	dBuV	dB	dBuV/m	dBuV/m	uV/m	uV/m
0.490								48.98
1.705								14.08
1.705								30.00
*12.64	Par / 1.00	180.0	9.6	11.8	21.4	-	11.75	
*21.00	Par / 1.00	180.0	6.6	10.8	17.4	-	7.42	
30.00								30.00



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(b), Harmonics and Spurious Emissions
Method:	ANSI C63.10, Section 6.4 and 6.5.
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB
Serial Number:	1003926501E1285012
Operating Mode:	Continuously Scanning for RF Tag, TX=29, RX=31
Technician:	M, Nowak
Date(s):	12/16/25
Temperature:	-5.5 °C
Relative Humidity:	51
Detector:	Quasi-peak
Test Distance:	3m

Notes: The frequency range was scanned from 30 MHz to 100 MHz

The emissions observed from the EUT do not exceed the specified limits. Two highest readings relative to the limit are presented.

*Noise floor measurement, minimum sensitivity of measurement system.

Frequency	Antenna Pol /Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Limit
MHz	(V/H) / (m)	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
*38.00	H / 1.00	180.0	6.2	12.9	19.1	9.02	
*80.00	H / 1.00	180.0	13.9	8.3	22.2	12.89	
88.00							100
88.00							150
100.00							150



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

FCC Part 15, Subpart C, Section 15.223 (b)
Harmonics and Spurious Emissions
9 kHz to 100 MHz
Test Data, Dual Antenna



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(b), Harmonics and Spurious Emissions
Method:	ANSI C63.10, Section 6.4 and 6.5.
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date(s):	12/16/25
Temperature:	-5.5 °C
Relative Humidity:	51
Detector:	Quasi-peak
Test Distance:	3m

Notes: The frequency range was scanned from 9 kHz to 30 MHz

The emissions observed from the EUT do not exceed the specified limits. The two highest readings relative to the limit are presented.

*Noise floor measurement, minimum sensitivity of measurement system.

Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted to 300m	Converted Reading	Limit at 300m
MHz	(Par/Perp) / Height	Degrees	dBuV	dB	dBuV/m	dBuV/m	uV/m	uV/m
0.009								266.67
0.490								4.89
Frequency	Antenna Position	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted to 30m	Converted Reading	Limit at 30m
MHz	(Par/Perp) / Height	Degrees	dBuV	dB	dBuV/m	dBuV/m	uV/m	uV/m
0.490								48.98
1.705								14.08
1.705								30.00
*12.64	Par / 1.00	180.0	9.6	11.8	21.4	-	11.75	
*21.00	Par / 1.00	180.0	6.6	10.8	17.4	-	7.42	
30.00								30.00



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

EMISSIONS TEST DATA SHEET

Test Specification:	FCC Part 15, Subpart C, Section 15.223(b), Harmonics and Spurious Emissions
Method:	ANSI C63.10, Section 6.4 and 6.5.
Job Number/Customer:	R – 4106P-1 / Checkpoint Systems, Inc
Test Sample:	EAS RF Antenna Pedestal
Model Number:	NP14 PRI/PAB, NP14 SAB
Serial Number:	1003926501E1285003, 1003926601E1155028
Operating Mode:	Continuously Scanning for RF Tag, TX=31, RX=31
Technician:	M, Nowak
Date(s):	12/16/25
Temperature:	-5.5 °C
Relative Humidity:	51
Detector:	Quasi-peak
Test Distance:	3m

Notes: The frequency range was scanned from 30 MHz to 100 MHz

The emissions observed from the EUT do not exceed the specified limits. Two highest readings relative to the limit are presented.

*Noise floor measurement, minimum sensitivity of measurement system.

Frequency	Antenna Pol /Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Limit
MHz	(V/H) / (m)	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
*38.00	H / 1.00	180.0	6.2	12.9	19.1	9.02	
*80.00	H / 1.00	180.0	13.9	8.3	22.2	12.89	
88.00							100
88.00							150
100.00							150



Retlif Testing Laboratories

Report No. R-4106P-1, Rev. A

Requirements and Test Results

FCC Part 15.205, Restricted Bands of Operation

Except as shown in Section 15.205(d), only spurious emissions are permitted in any of the frequency bands listed in Table 4.

Table 5 – Restricted Bands of Operation

MHz	MHz	MHz	GHz
0.090–0.110	16.42–16.423	399.9–410	4.5–5.15
¹ 0.495–0.505	16.69475–16.69525	608–614	5.35–5.46
2.1735–2.1905	16.80425–16.80475	960–1240	7.25–7.75
4.125–4.128	25.5–25.67	1300–1427	8.025–8.5
4.17725–4.17775	37.5–38.25	1435–1626.5	9.0–9.2
4.20725–4.20775	73–74.6	1645.5–1646.5	9.3–9.5
6.215–6.218	74.8–75.2	1660–1710	10.6–12.7
6.26775–6.26825	108–121.94	1718.8–1722.2	13.25–13.4
6.31175–6.31225	123–138	2200–2300	14.47–14.5
8.291–8.294	149.9–150.05	2310–2390	15.35–16.2
8.362–8.366	156.52475–156.52525	2483.5–2500	17.7–21.4
8.37625–8.38675	156.7–156.9	2690–2900	22.01–23.12
8.41425–8.41475	162.0125–167.17	3260–3267	23.6–24.0
12.29–12.293	167.72–173.2	3332–3339	31.2–31.8
12.51975–12.52025	240–285	3345.8–3358	36.43–36.5
12.57675–12.57725	322–335.4	3600–4400	(²)
13.36–13.41			

- **Results:**

The pulses are not on restricted band frequencies. However, taking into account the 6 dB bandwidth under Section 15.223, the device may be authorized under Section 15.205(d)(1) of the FCC rules applicable to swept carrier systems, provided it operates outside of the restricted bands more than 99% of the time the device is actively transmitting. For example, with a 6 dB bandwidth of 302 kHz, the total percentage of deemed transmission time in the restricted bands is $2.4\% \times (2/6) = 0.8\%$. Thus, the transmission is outside the restricted bands more than 99% of the time during active transmission, satisfying the condition in Section 15.205(d)(1)

The spurious emissions found within restricted bands did not exceed the radiated emissions limits of Part 15.209.



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Report No. R-4106P-1, Rev. A