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TEST REPORT

Invenco G6-500 Outdoor Payment Terminal
Invenco G6-500 IPT Indoor Payment Terminal

tested to the specification

47 Code of Federal Regulations

Part 15 - Radio Frequency Devices

Subpart C – Intentional Radiators

Section 15.225

Operation within the band 13.110 -14.010 MHz

for

Invenco Group Ltd

A handwritten signature in black ink, appearing to read "Andrew Cutler", is positioned above a horizontal line.

This test report is issued with the authority of:

Andrew Cutler - General Manager



All tests reported herein
have been performed in
accordance with the
laboratory's scope of
accreditation

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EMC
Technologies

1. STATEMENT OF COMPLIANCE

The **Invenco G6-500 Outdoor Payment Terminal** and the **Invenco G6-500 IPT Indoor Payment Terminal** comply with FCC Part 15 Subpart C Section 15.225 as an Intentional Radiator when the methods as described in ANSI C63.10 –2013 are applied.

2. RESULTS SUMMARY

The results from testing carried out in August and September 2023 are detailed in the following table:

Clause	Parameter	Result
15.201	Equipment authorisation requirement	Certification required
15.203	Antenna requirement	Complies. Antenna internal to the device
15.204	External PA and antenna modifications	Not applicable. No external devices
15.205	Restricted bands of operation	Complies. Device transmits on a nominal frequency of 13.560 MHz
15.207	Conducted limits	Complies
15.209	Radiated emission limits - Emissions < 30 MHz	Complies
15.209	Radiated emission limits – Emissions > 30 MHz	Complies
15.225	Radiated emission limits - Fundamental	Complies
15.225	Frequency stability	Complies

3. INTRODUCTION

This report describes the tests and measurements performed for the purpose of determining compliance with the specification.

The client selected the test sample.

This report relates only to the sample tested.

This report contains no corrections or erasures.

Measurement uncertainties with statistical confidence intervals of 95% are shown below test results. Both Class A and Class B uncertainties have been accounted for, as well as influence uncertainties where appropriate.

All compliance statements have been made with respect of the specification limit with no reference to the measurement uncertainty.

All testing was carried out as per the standard in the worst-case configuration with no deviations being applied.

Version	Change Made	Date
230902.2	Initial Issue	29/09/23
230902.2A	Revised model details added	16/11/23

4. CLIENT INFORMATION

Company Name Invenco Group Ltd

Address 7-11 Kawana Street, Northcote, 0627

City Auckland

Country New Zealand

Contact Mr Chris Henry

5. DESCRIPTION OF TEST SAMPLE

Brand Name	Invenco
Model Tested	G6-500, G6-500 IPT
Product	Outdoor Payment Terminal, Indoor Payment Terminal
Manufacturer	Invenco Group Ltd
Country of Origin	New Zealand
Serial Number	U8LH001R
FCC ID	2AC7B-G6500

Testing was carried out as an Outdoor Payment Terminal with an external display where the Payment Terminal was attached to a G7-100 SDC-15 15" Secure Display Module.

Testing was also carried out as an Indoor Payment terminal on its own when powered using an Indoor and an Outdoor power supply.

When configured as an Indoor Terminal a physical cradle to support desktop operations is added along with a cable assembly.

Both the Indoor and Outdoor payment terminals contain a NFC card reader that operated on 13.560 MHz.

6. SETUPS AND PROCEDURES

Standard

The sample was tested in accordance with 47 CFR Part 15 Subpart C.

Methods and Procedures

The measurement methods and procedures as described in ANSI C63.10 –2013 were used.

Section 15.201: Equipment authorisation requirement

Certification as detailed in Subpart J of Part 2 is required for this device.

Section 15.203: Antenna requirement

The device has a permanently attached internal 13.560 MHz antenna.

Result: Complies.

Section 15.204: External radio frequency power amplifiers and antenna modifications

It is NOT possible to attach an external power amplifier to this transmitter.

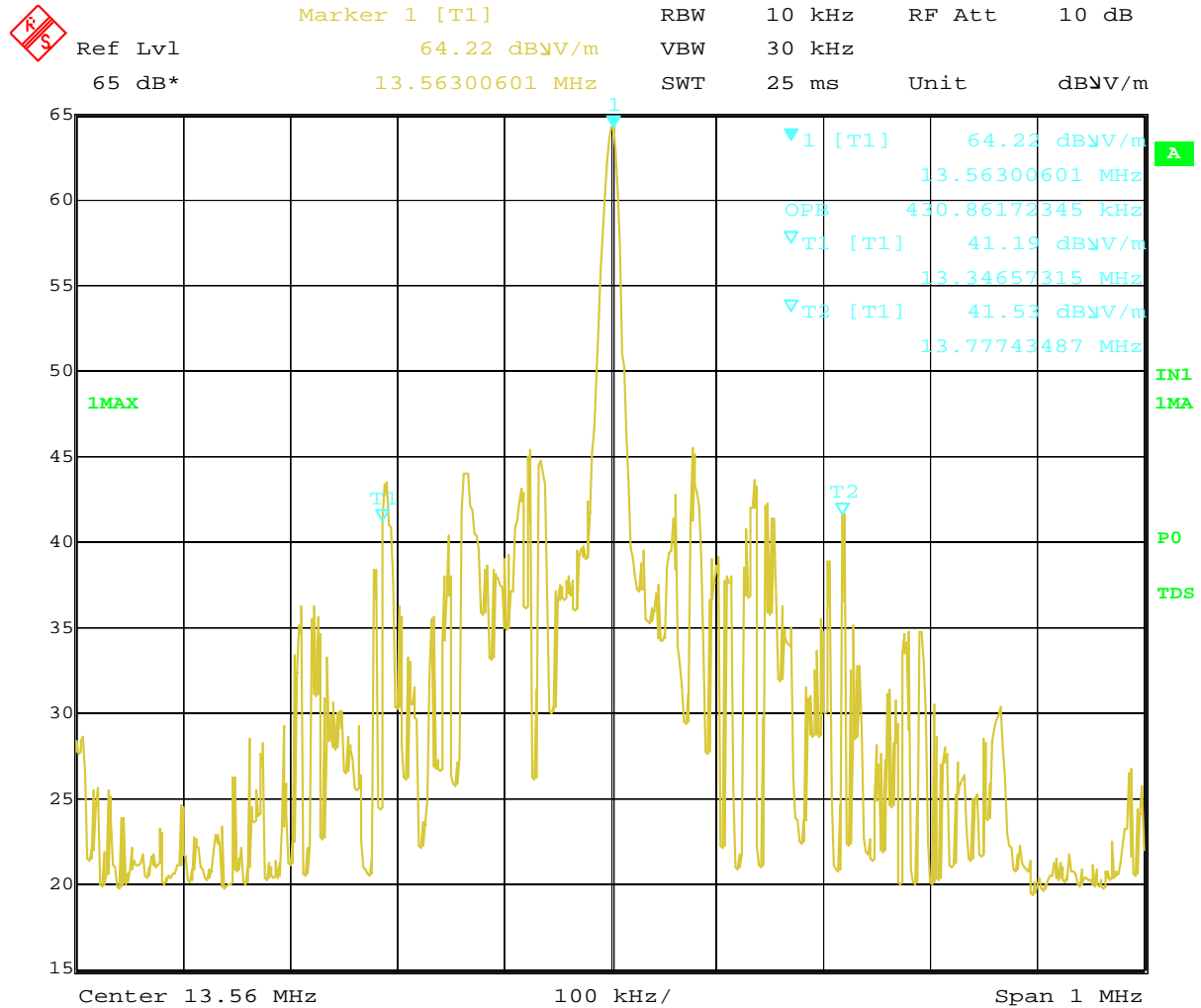
Result: Complies.

Section 15.205: Restricted bands of operation

The device transmits on a nominal frequency of 13.560 MHz.

13.560 MHz transmissions would fall into the 13.110 – 14.010 MHz band that is covered by Section 15.225.

Below is a plot of the device transmitting on 13.560 MHz with a 99% occupied power bandwidth of 430.8617 kHz.



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Result: Complies.

Conducted emissions testing

Conducted Emissions testing was carried out over the frequency range of 150 kHz to 30 MHz which was carried out at the laboratory's MacKelvie Street premises in a 2.4 m x 2.4 m x 2.4 m screened room

As it is possible for this device to be directly or indirectly connected to the Public AC mains supply testing was carried out using a representative AC power supply system that was powered at 120 Vac 60 Hz which supplied DC to the device under test.

Testing was carried out when configured as an Outdoor Payment terminal.

The NFC Card Reader operates at 13.560 MHz.

Initial testing was carried out when the NFC Card Reader was operating normally with the internal antenna connected.

A second test was then carried out with the NFC Card Reader was de-activated.

The device is deemed to comply providing if the deactivated test complies and the overall emission signature for the product remains similar in both test configurations with no additional emissions being detected.

The device was placed on top of the emissions table, which is 0.8 m x 0.8 m, 80 cm above the screened room floor which acts as the horizontal ground plane.

In addition the device was positioned 40 cm away from the screened room wall which acts as the vertical ground plane.

The artificial mains network was bonded to the screened room floor.

At all times the device was kept more than 80 cm from the artificial mains network.

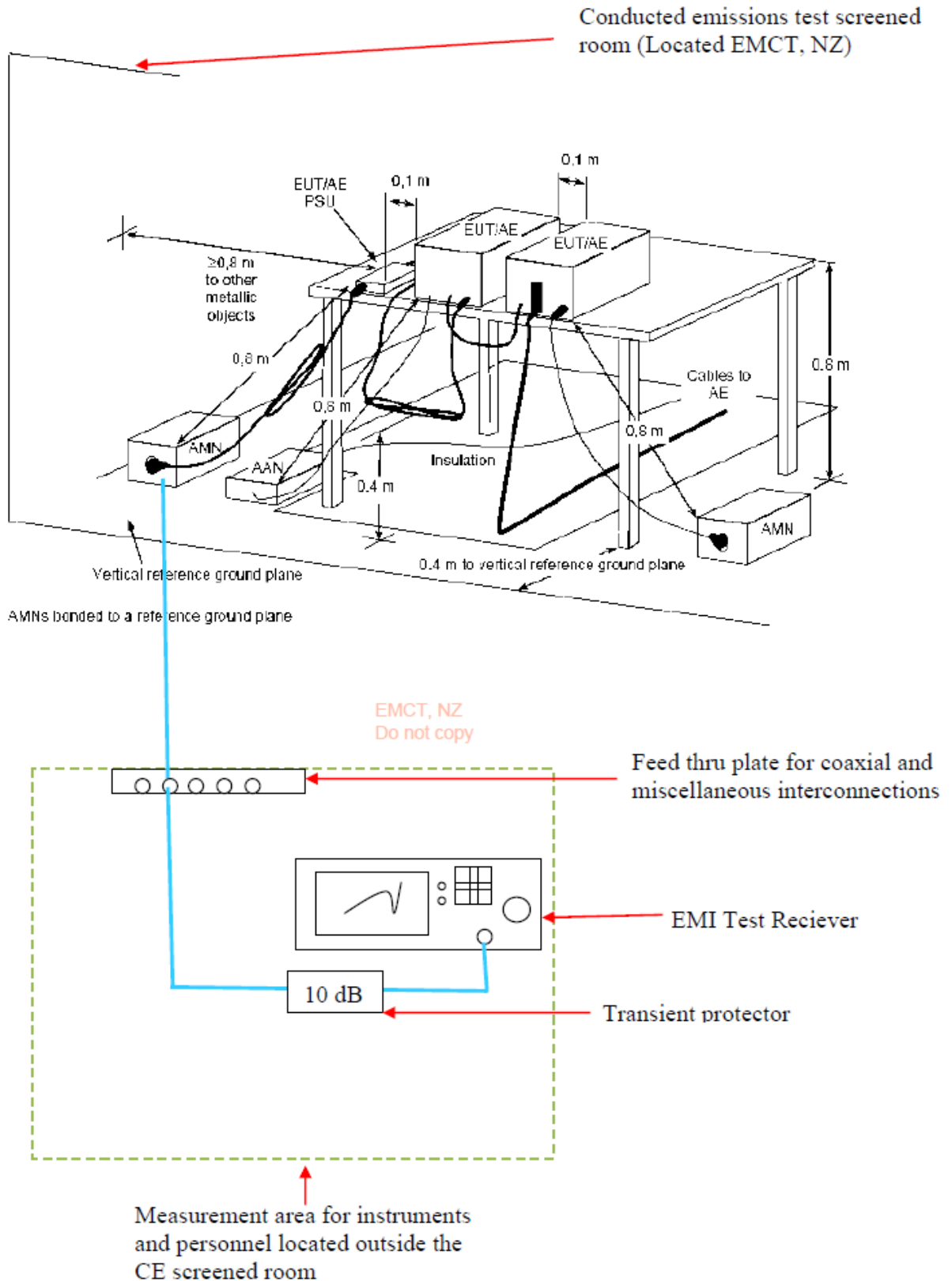
The supplied plot is combined plot showing the worst case quasi peak and average results of both the phase and neutral lines to the representative AC power supply.

Quasi peak and average detectors have been used with resolution bandwidths of 9 kHz.

Measurement uncertainty with a confidence interval of 95% is:

- AC Mains port (0.15-30 MHz) \pm 2.8 dB

Block Diagram showing the conducted emission test setup



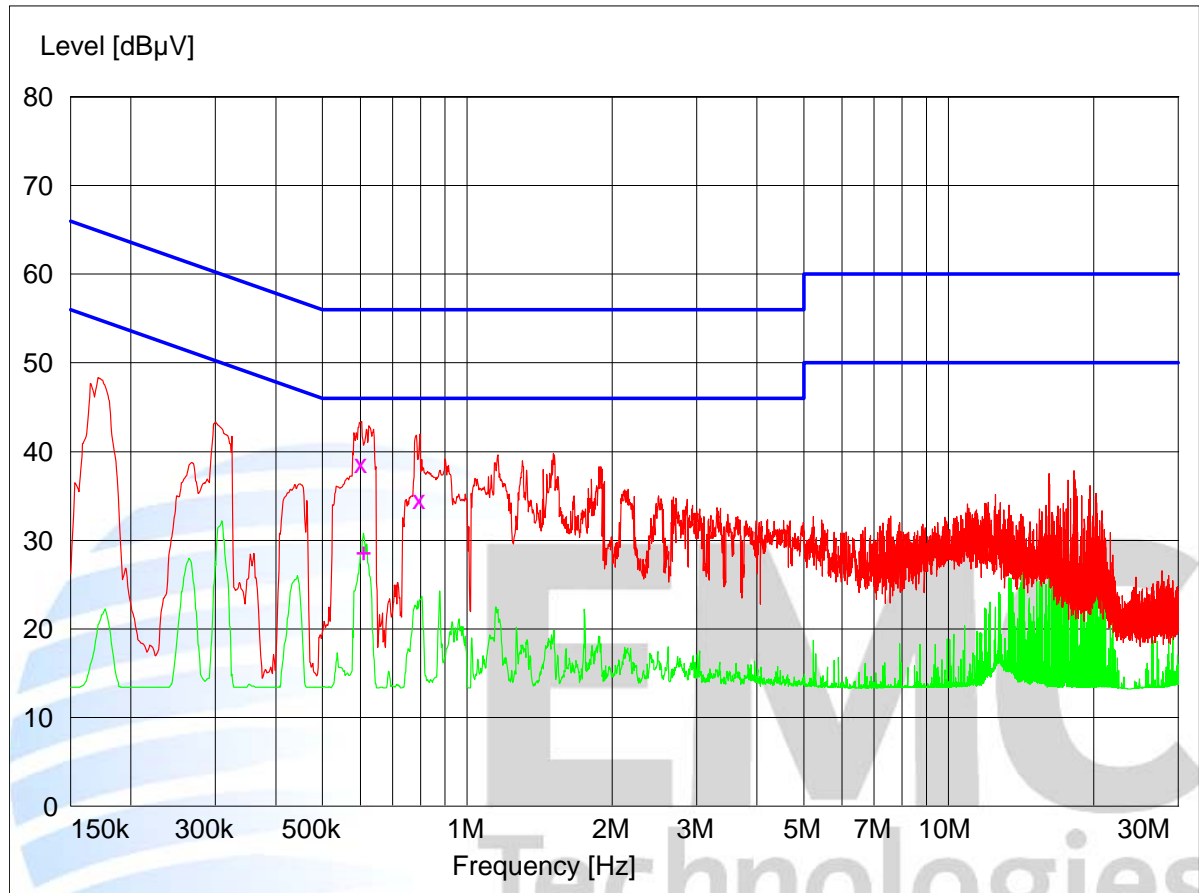
Test equipment used

EMI Receiver: Rohde & Schwarz ESHS 10
 Artificial Main Network: Rohde & Schwarz ESH2-Z5

Conducted Emissions – AC Input Power Port

Setup:	Outdoor payment terminal tested when powered at 120 VAC 60 Hz with all functions active including the NFC which was operating on 13.560 MHz
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Peak ---	Average --	Quasi Peak X	Average +
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Final Quasi-Peak Measurements

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Phase	Rechecks (dBµV)
0.603000	38.60	56.0	17.4	N	
0.798000	34.60	56.0	21.4	N	
13.56000	74.90	60.0	-14.9	L1	NFC Fund.

Final Average Measurements

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Phase	Rechecks (dBµV)
0.609000	28.70	46.0	17.3	N	
13.56000	74.50	50.0	-24.5	L1	NFC Fund.

NB: The NFC device was operating periodically which was missed when the initial measurements were carried out.

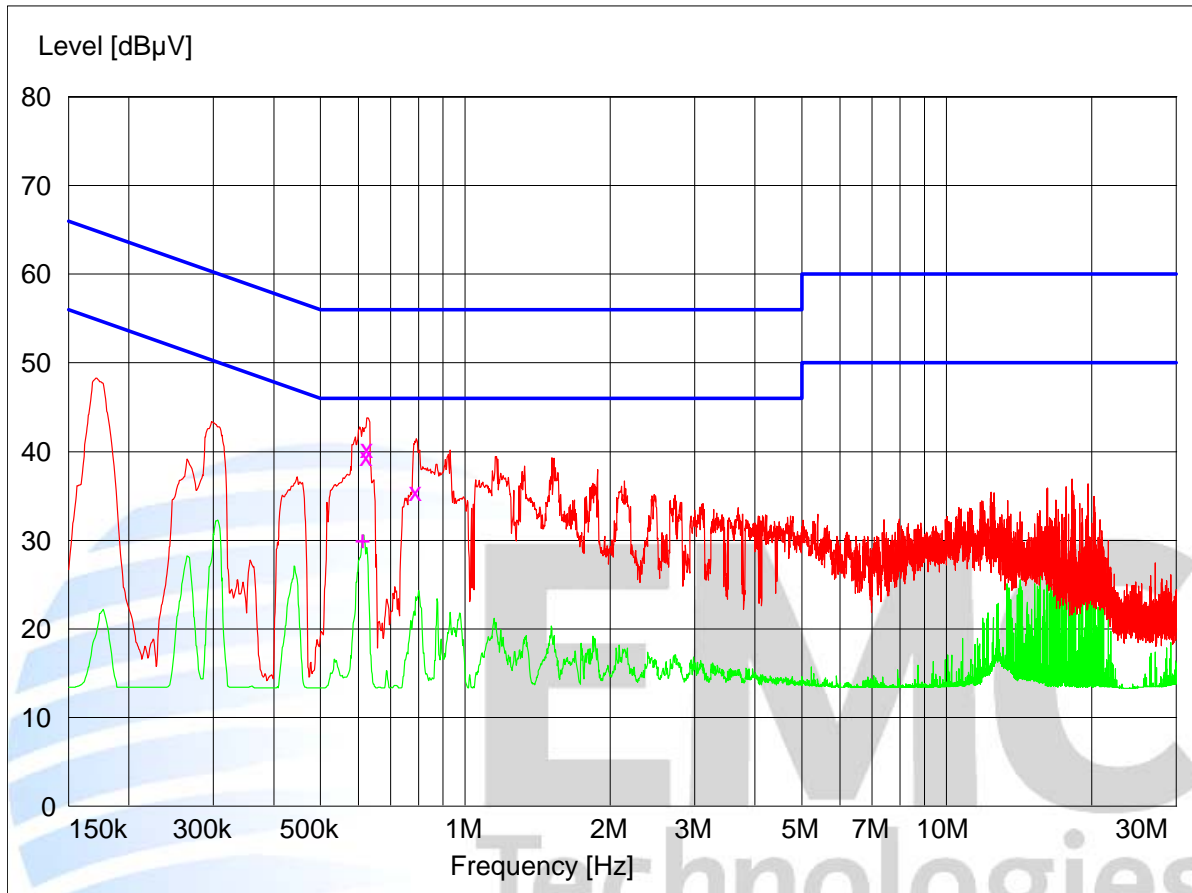
Manual measurements were made at 13.560 MHz and 27.120 MHz with the results recorded above.

No emissions were observed at 27.120 MHz.

Conducted Emissions – AC Input Power Port

Setup: Outdoor payment terminal tested when powered at 120 VAC 60 Hz with all functions active except the NFC operating on 13.560 MHz that was disabled.

Peak ---
 Average --
 Quasi Peak X
 Average +



Final Quasi-Peak Measurements

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Phase	Rechecks (dBµV)
0.624000	39.40	56.0	16.6	L1	
0.627000	40.30	56.0	15.7	N	
0.792000	35.50	56.0	20.5	N	

Final Average Measurements

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Margin (dB)	Phase	Rechecks (dBµV)
0.612000	30.10	46.0	15.9	N	

Section 15.209: Radiated emission limits, general requirements

Radiated emission testing was carried out over the frequency range of 150 kHz to 6000 MHz.

Testing was carried out at the laboratory's open area test site - located at 670 Kawakawa-Orere Road, RD5, Papakura, New Zealand.

Before testing was carried out a receiver self-calibration was undertaken along with a check of all cables and programmed antenna factors were carried out.

Testing was carried out using a representative AC power supply at 120 VAC 60 Hz that powered the device under test.

The device tested when placed in the centre of the test table flat 0.8 m above the test site ground plane.

All interconnecting cables were bundled in 40 cm long bundles.

Testing was carried out when the NFC device was transmitting continuously on 13.560 MHz and when the NFC device was in standby.

When an emission is located, it is positively identified and its maximum level is found by rotating the automated turntable, and by varying the antenna height, where appropriate, with an automated antenna tower.

Below 30 MHz a magnetic loop is used with the centre of the loop being 1 metre above the ground with measurements being made using a Quasi Peak detector at a distance of 10 metres.

Above 30 MHz the emission is measured in both vertical and horizontal antenna polarisations at a distance of 3 metres.

Below 1000 MHz a Quasi Peak detector with a 120 kHz bandwidth is used.

Above 1000 MHz an Average detector and a Peak detector with bandwidths of 1 MHz are used.

The emission level was determined in field strength by taking the following into consideration:

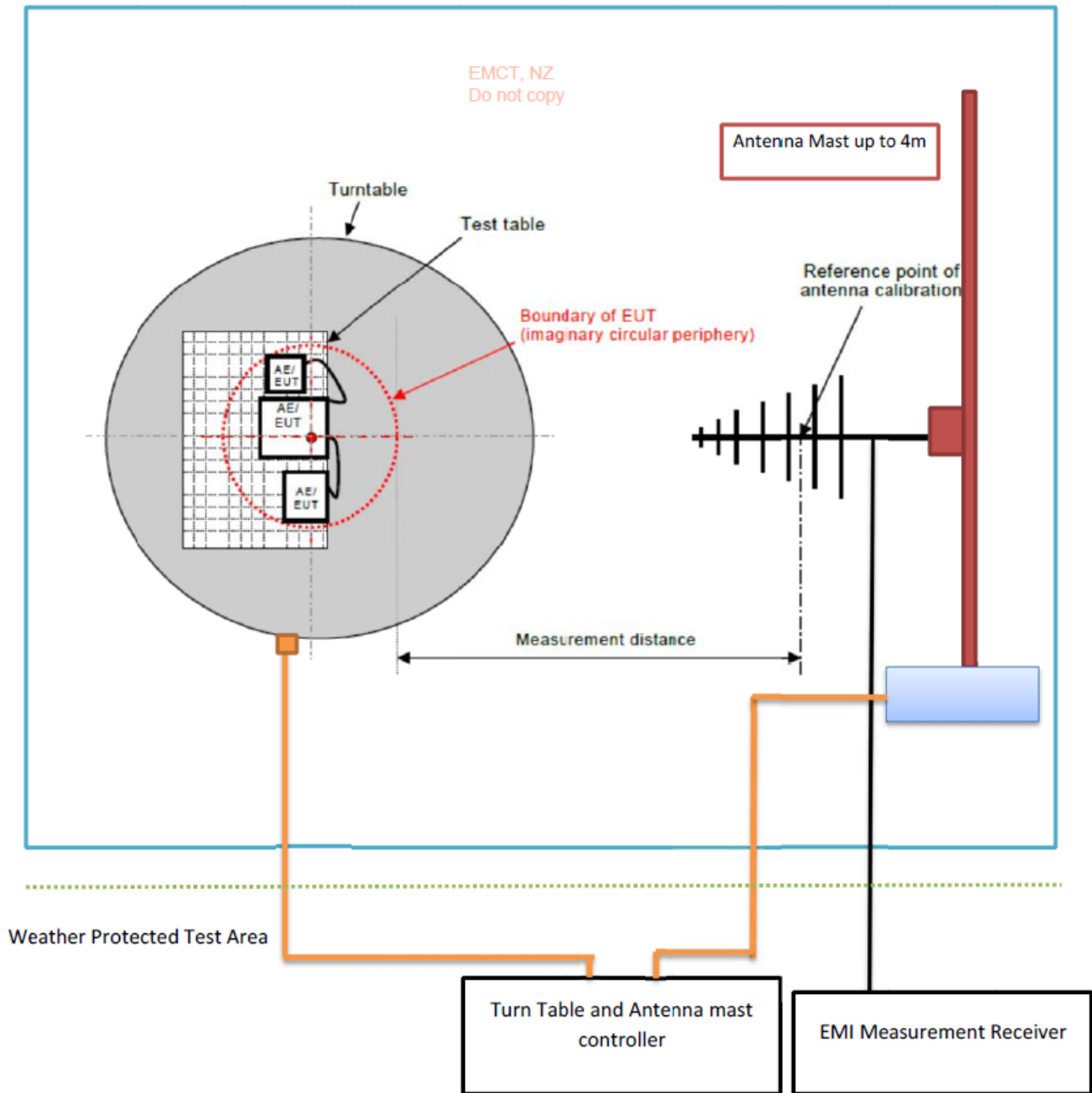
Level (dB μ V/m) = Receiver Reading (dB μ V) + Antenna Factor (dB/m) + Coax Loss (dB)

For example, if an emission of 30 dB μ V was observed at 30 MHz.

$$45.5 \text{ dB}\mu\text{V/m} = 30.0 \text{ dB}\mu\text{V} + 14 \text{ dB/m} + 1.5 \text{ dB}$$

Test Set Up Diagram

Radiated Emissions Test setup at Open area test site



Test Equipment Used

Loop Antenna;	Below 30 MHz	Measurement distance: 10 m
Bi conical Antenna;	30 MHz - 300 MHz:	Measurement distance: 3 m
Log Periodic Antenna;	300 MHz - 1000 MHz:	Measurement distance: 3 m
Horn Antenna;	Above 1000 MHz:	Measurement distance: 3 m

EMI Receiver Used: Rohde & Schwarz ESIB-40

Section 15.209: 13.560 MHz transmitter below 30 MHz spurious emission measurements

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
27.120	15.1	48.6	33.5	Pass

The NFC device was transmitting continuously on 13.560 MHz.

Magnetic loop measurements were made at a distance of 10 metres.

Measurement receiver with a quasi-peak detector with a 9 kHz bandwidth was used.

The 30 metre limit has been scaled by a factor of 40 dB per decade, as per section 15.31 (f) (2).

The limit at 27.120 MHz when measured at 30 metres is 30 uV/m or 29.54 dBuV/m.

Therefore the scaled limit at 10 metres will be 48.6 dBuV/m.

The spurious emission observed does not exceed the level of the fundamental emission.

No other low frequency spurious emissions were detected from the device when measurements were attempted from 10 kHz - 30.0 MHz

Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (10 kHz – 30 MHz) \pm 4.8 dB

Section 15.209: Spurious Emissions (30 – 6000 MHz)

Measurements between 30 – 6000 MHz have been made at a distance of 3 metres.

The limits as described in Section 15.209 have been applied.

Outdoor Payment Terminal. NFC in standby (NFC OFF)

Frequency (MHz)	Vertical (dBuV/m)	Horizontal (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna	Detector
36.920	18.2	-	40.0	21.8	Vertical	Quasi Peak
69.000	24.1	-	40.0	15.9	Vertical	Quasi Peak
74.240	27.1	-	40.0	12.9	Vertical	Quasi Peak
101.880	29.7	-	43.5	13.8	Vertical	Quasi Peak
102.440	26.7	-	43.5	16.8	Vertical	Quasi Peak
103.360	29.4	-	43.5	14.1	Vertical	Quasi Peak
148.520	-	37.1	43.5	6.4	Horizontal	Quasi Peak
222.760	32.7	37.4	46.0	8.6	Horizontal	Quasi Peak
250.000	-	34.3	46.0	11.7	Horizontal	Quasi Peak
297.000	36.7	35.3	46.0	9.3	Vertical	Quasi Peak
303.880	-	34.3	46.0	11.7	Horizontal	Quasi Peak
345.000	36.3	-	46.0	9.7	Vertical	Quasi Peak
351.000	36.1	-	46.0	9.9	Vertical	Quasi Peak
357.000	35.1	-	46.0	10.9	Vertical	Quasi Peak
384.040	35.7	35.1	46.0	10.3	Vertical	Quasi Peak
393.240	37.2	36.3	46.0	8.8	Vertical	Quasi Peak
403.000	40.0	-	46.0	6.0	Vertical	Quasi Peak
445.520	37.8	-	46.0	8.2	Vertical	Quasi Peak
450.000	38.7	-	46.0	7.3	Vertical	Quasi Peak
458.760	41.2	-	46.0	4.8	Vertical	Quasi Peak
466.920	40.1	-	46.0	5.9	Vertical	Quasi Peak
466.960	-	44.0	46.0	2.0	Horizontal	Quasi Peak
516.120	39.9	-	46.0	6.1	Vertical	Quasi Peak
519.760	39.8	-	46.0	6.2	Vertical	Quasi Peak
551.160	38.8	-	46.0	7.2	Vertical	Quasi Peak
594.000	40.4	39.9	46.0	5.6	Vertical	Quasi Peak
650.000	35.9	-	46.0	10.1	Vertical	Quasi Peak
668.280	36.5	39.9	46.0	6.1	Horizontal	Quasi Peak
742.520	-	38.5	46.0	7.5	Horizontal	Quasi Peak
1344.000	44.8	-	74.0	29.2	Vertical	Peak
1344.000	38.1	-	54.0	15.9	Vertical	Average

All other emissions detected had a margin to the limit that exceeded at least 15 dB when measurements were made between 30 - 6000 MHz using both vertical and horizontal polarisations.

Result: Complies

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (30 – 6000 MHz) ± 4.1 dB

Section 15.209: Spurious Emissions (1000 - 6000 MHz)

Measurements between 1000 - 6000 MHz have been made at a distance of 3 metres.

The limits as described in Section 15.209 have been applied.

Outdoor Payment Terminal. NFC operating (NFC ON)

Frequency (MHz)	Vertical (dBuV/m)	Horizontal (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna	Detector
40.680	23.0	25.8	40.0	14.2	Horizontal	Quasi Peak
54.240	25.8	27.4	40.0	12.6	Horizontal	Quasi Peak
71.880	26.6	-	40.0	13.4	Vertical	Quasi Peak
74.240	25.3	26.8	46.0	19.2	Horizontal	Quasi Peak
101.880	28.4	-	43.5	15.1	Vertical	Quasi Peak
102.440	25.2	-	43.5	18.3	Vertical	Quasi Peak
103.360	29.1	-	43.5	14.4	Vertical	Quasi Peak
148.520	28.6	38.9	43.5	4.6	Horizontal	Quasi Peak
222.760	32.1	39.0	46.0	7.0	Horizontal	Quasi Peak
297.000	34.1	37.8	46.0	8.2	Horizontal	Quasi Peak
303.360	-	35.0	46.0	11.0	Horizontal	Quasi Peak
344.840	36.9	-	46.0	9.1	Vertical	Quasi Peak
352.560	38.3	41.6	46.0	4.4	Horizontal	Quasi Peak
393.240	37.5	36.1	46.0	8.5	Vertical	Quasi Peak
466.960	42.9	44.8	46.0	1.2	Horizontal	Quasi Peak
519.760	40.7	41.4	46.0	4.6	Horizontal	Quasi Peak
542.400	-	41.1	46.0	4.9	Horizontal	Quasi Peak
594.000	39.7	40.6	46.0	5.4	Horizontal	Quasi Peak
668.280	-	41.1	46.0	4.9	Horizontal	Quasi Peak
742.520	39.3	-	46.0	6.7	Vertical	Quasi Peak
1344.000	44.8	-	74.0	29.2	Vertical	Peak
1344.000	38.1	-	54.0	15.9	Vertical	Average

All other emissions detected had a margin to the limit that exceeded at least 15 dB when measurements were made between 30 - 6000 MHz using both vertical and horizontal polarisations.

Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (30 - 6000 MHz) \pm 4.1 dB

Section 15.209: Spurious Emissions (1000 - 6000 MHz)

Measurements between 1000 - 6000 MHz have been made at a distance of 3 metres.

The limits as described in Section 15.209 have been applied.

Indoor Payment Terminal. NFC in Standby (NFC OFF). Outdoor Power Supply

Frequency (MHz)	Vertical (dBuV/m)	Horizontal (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna	Detector
38.960	30.5		40.0	9.5	Vertical	QP
57.840	29.1		40.0	10.9	Vertical	QP
71.120	35.2		40.0	4.8	Vertical	QP
74.560	36.2		40.0	3.8	Vertical	QP
180.000		37.0	43.5	6.5	Horizontal	QP
187.000	32.1		43.5	11.4	Vertical	QP
224.000		36.8	46.0	9.2	Horizontal	QP
302.880		33.6	46.0	12.4	Horizontal	QP
304.240	33.6		46.0	12.4	Vertical	QP
336.040	32.4		46.0	13.6	Vertical	QP
368.640	32.2		46.0	13.8	Vertical	QP
393.200	35.3	35.7	46.0	10.3	Horizontal	QP
469.480	37.7	36.2	46.0	8.3	Vertical	QP
516.820	38.2		46.0	7.8	Vertical	QP
519.760		37.1	46.0	8.9	Horizontal	QP

All other emissions detected had a margin to the limit that exceeded at least 15 dB when measurements were made between 30 - 6000 MHz using both vertical and horizontal polarisations.

Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (30 - 6000 MHz) \pm 4.1 dB

Section 15.209: Spurious Emissions (1000 - 6000 MHz)

Measurements between 1000 - 6000 MHz have been made at a distance of 3 metres.

The limits as described in Section 15.209 have been applied.

Indoor Payment Terminal. NFC in Standby (NFC OFF). Indoor Power Supply

Frequency (MHz)	Vertical (dBuV/m)	Horizontal (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna	Detector
36.120	28.1		40.0	11.9	Vertical	QP
56.200	30.5	22.8	40.0	9.5	Vertical	QP
71.480		22.5	40.0	17.5	Horizontal	QP
73.240	23.5	22.7	40.0	16.5	Vertical	QP
196.360		31.1	43.5	12.4	Horizontal	QP
221.100		31.9	46.0	14.1	Horizontal	QP
250.000		32.6	46.0	13.4	Horizontal	QP
303.000	35.0	35.7	46.0	10.3	Horizontal	QP
308.480	35.9		46.0	10.1	Vertical	QP
308.640		34.9	46.0	11.1	Horizontal	QP
319.480	33.3	33.9	46.0	12.1	Horizontal	QP
350.000		32.4	46.0	13.6	Horizontal	QP
393.200		34.3	46.0	11.7	Horizontal	QP
393.200	35.5		46.0	10.5	Vertical	QP
461.640		36.6	46.0	9.4	Horizontal	QP
466.560	34.1		46.0	11.9	Vertical	QP
470.440		36.7	46.0	9.3	Horizontal	QP
475.120		36.6	46.0	9.4	Horizontal	QP
516.120	37.0		46.0	9.0	Vertical	QP
519.760	36.4		46.0	9.6	Vertical	QP
547.360	35.9		46.0	10.1	Vertical	QP

All other emissions detected had a margin to the limit that exceeded at least 15 dB when measurements were made between 30 - 6000 MHz using both vertical and horizontal polarisations.

Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (30 - 6000 MHz) \pm 4.1 dB

Section 15.225: Fundamental emission:

Measurements were made using a magnetic loop antenna and a receiver with a Quasi Peak detector using a 9 kHz bandwidth.

Measurements were made at a distance of 10 metres with the limit being determined by using the extrapolation factor of 40 dB per decade limit, as detailed in section 15.31 f (2).

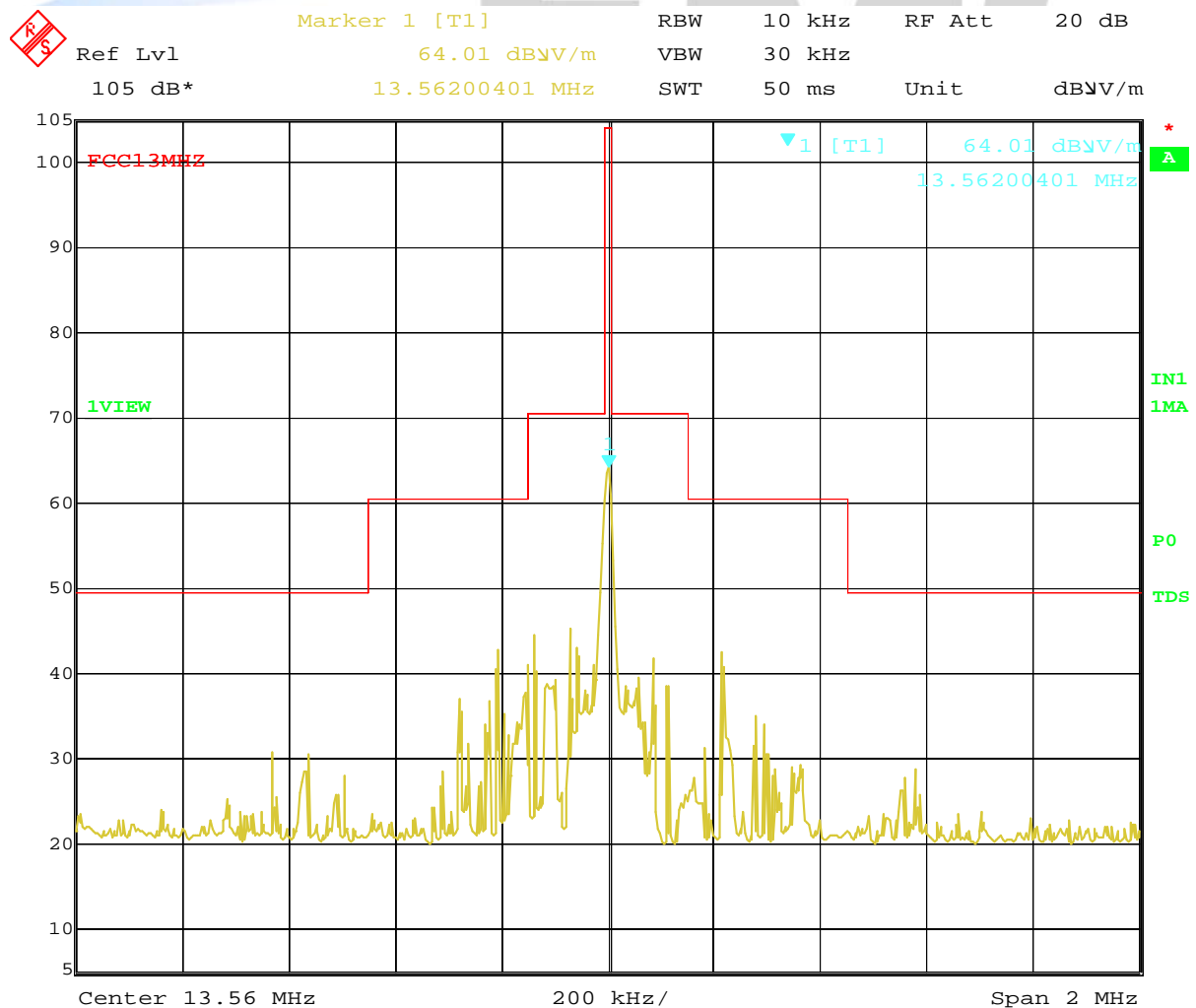
The limit at 30 m at 13.560 MHz is 15,848 uV/m or 84.0 dBuV/m.

Applying the extrapolation factor of 40 dB/ per decade, the limit at 10 m is 103.1 dBuV/m.

The 24 Vdc supply to the device was varied by +/- 15% to determine whether a change in field strength would occur.

Voltage (Vdc)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
20.4	13.560	62.1	103.1	41.1
24.0	13.560	62.1	103.1	41.1
27.6	13.560	62.1	103.1	41.1

Spectrum analyser plot showing the carrier and modulation peaks within +/- 1000 kHz.



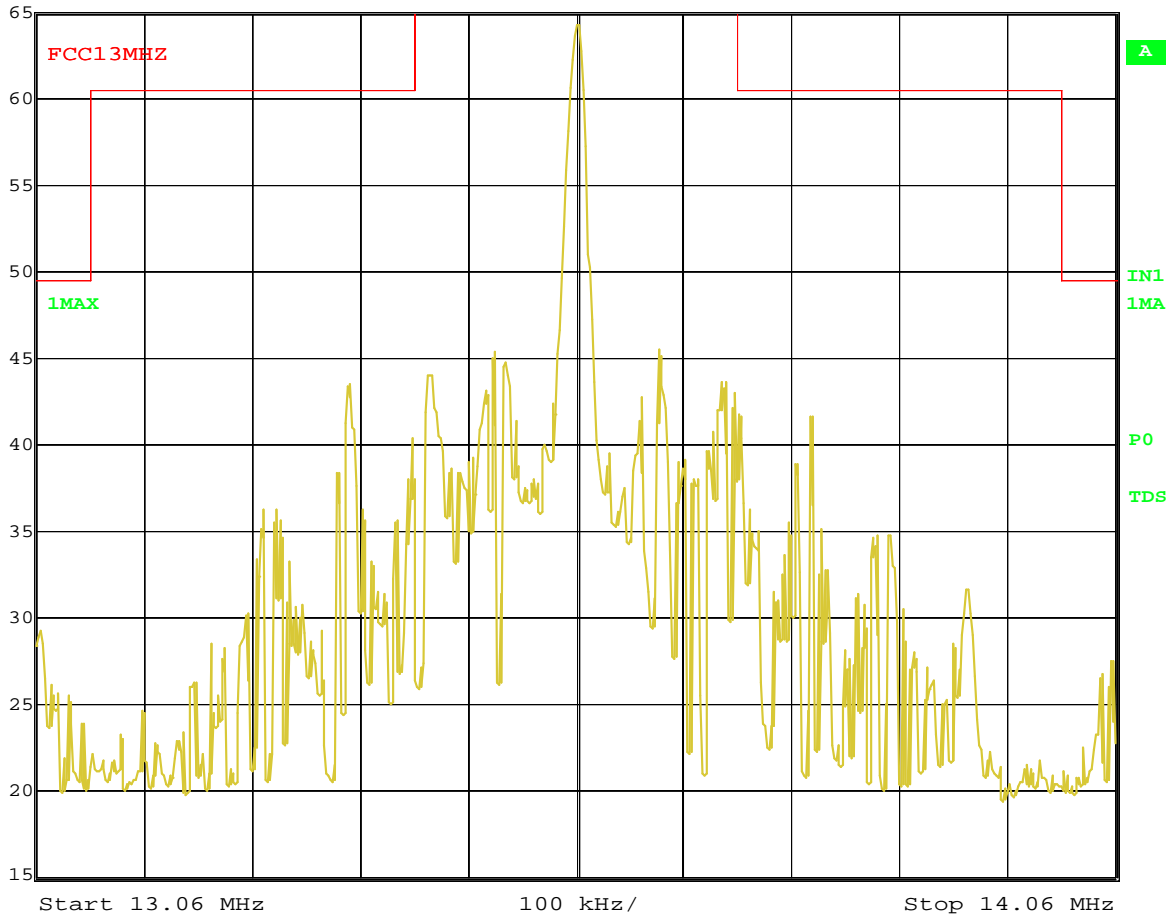
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Spectrum analyser plot showing the carrier and modulation peaks within +/- 500 kHz



Ref Lvl
65 dB*

RBW	10 kHz	RF Att	10 dB
VBW	30 kHz		
SWT	25 ms	Unit	dBµV/m



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Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:

- Free radiation tests (100 kHz – 30 MHz) ± 4.8 dB

Section 15.225: Frequency tolerance:

The frequency tolerance of the carrier is required to be +/- 0.01% of operating frequency when the temperature is varied between -20 degrees C and +50 degrees C.

The device operates nominally on 13.560 MHz which gives a frequency tolerance of +/- 1,356.0 Hz.

Temperature (°C)	Frequency (MHz)	Difference (Hz)
50.0	13.559 452	-548
40.0	13.559 452	-548
30.0	13.559 482	-518
20.0	13.559 510	-490
10.0	13.559 515	-485
0.0	13.559 585	-415
-10.0	13.559 640	-360
-20.0	13.559 653	-347

As a worst case scenario the 24 Vdc supply to the device was varied by +/- 15% at 20 degrees C (ambient).

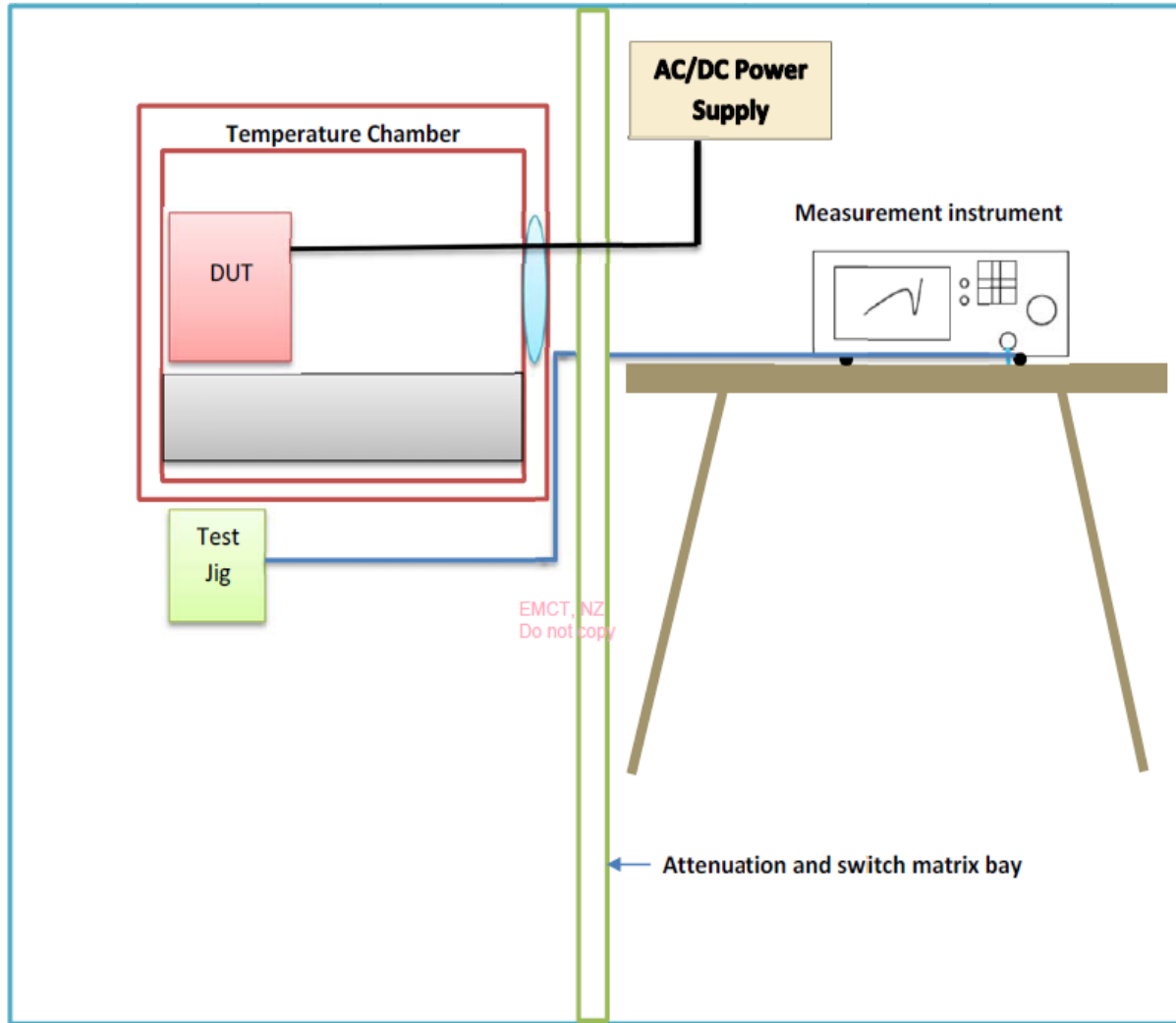
Voltage (Vdc)	Frequency (MHz)	Difference (Hz)
20.4	13.559 482	-453
24.0	13.559 486	-448
27.6	13.559 484	-457

The frequency tolerance above has been calculated by subtracting the Measured Frequency from the Nominal Frequency (13.560 MHz).

Result: Complies.

Measurement uncertainty with a confidence interval of 95% is:
Frequency tolerance \pm 50 Hz

Radio bay measurement setup



Test equipment used:

Thermal chamber:	Contherm M180F
Thermometer:	DSIR RT200
Spectrum Analyser:	Keysight N9038A
Power Supply:	Hewlett Packard 6032A

7. TEST EQUIPMENT USED

Instrument	Manufacturer	Model	Serial No	Asset Ref	Cal Due	Period
Aerial Controller	EMCO	1090	9112-1062	RFS 3710	N/A	N/A
Aerial Mast	EMCO	1070-1	9203-1661	RFS 3708	N/A	N/A
Loop Antenna	EMCO	6502	9003-2485	3798	12 Feb 2024	3 years
Biconical Antenna	Schwarzbeck	BBA 9106	11042021A	3698	22 Nov 2024	3 years
Heliacx cable	Andrews	L6PNM-RPD	22869	Oats Cable	22 Dec 2023	1 year
Horn Antenna	EMCO	3115	9511-4629	E1526	03 Mar 2025	3 years
Log Periodic	Schwarzbeck	VUSLP 9111	9111-112	EMC4025	15 Nov 2024	3 years
Mains Network	Rohde & Schwarz	ESH 2-Z5	881362/034	3628	02 Jun 2024	3 years
Measurement Receiver	Rohde & Schwarz	ESIB-40	100171	R-27-1	06 Oct 2024	3 years
Measurement Receiver	Rohde & Schwarz	ESHS 10	828404/005	RFS 3728	23 Nov 2023	3 years
T-LISN	TESEQ	ISN T8-Cat6	59957	E1560	11 Nov 2023	2 years
Turntable	EMCO	1080-1-2.1	9109-1578	RFS 3709	N/A	N/A
VHF Balun	Schwarzbeck	VHA 9103	9594	3697	22 Nov 2024	3 years
Power Supply	APT	7008	4170003	-	Not applicable	N/a
Thermal chamber	Contherm	M180F	86025	N/a	Not applicable	N/a
Thermometer	DSIR	RT200	35	EMC4029	9 April 2024	5 years

All test equipment was within calibration at the time of testing.

8. ACCREDITATIONS

Testing was carried out in accordance with EMC Technologies NZ Ltd designation as a FCC Accredited Laboratory by International Accreditation New Zealand, designation number: NZ0002 under the APEC TEL MRA.

All testing was carried out in accordance with the terms of EMC Technologies (NZ) Ltd International Accreditation New Zealand (IANZ) Accreditation to NZS/ISO/IEC 17025.

All measurement equipment has been calibrated in accordance with the terms of the EMC Technologies (NZ) Ltd International Accreditation New Zealand (IANZ) Accreditation to NZS/ISO/IEC 17025.

International Accreditation New Zealand has International Laboratory Accreditation Council (ILAC) Mutual Recognition Arrangements for testing and calibration with various accreditation bodies in a number of economies.

This includes NATA (Australia), UKAS (UK), SANAS (South Africa), NVLAP (USA), A2LA (USA), SWEDAC (Sweden).

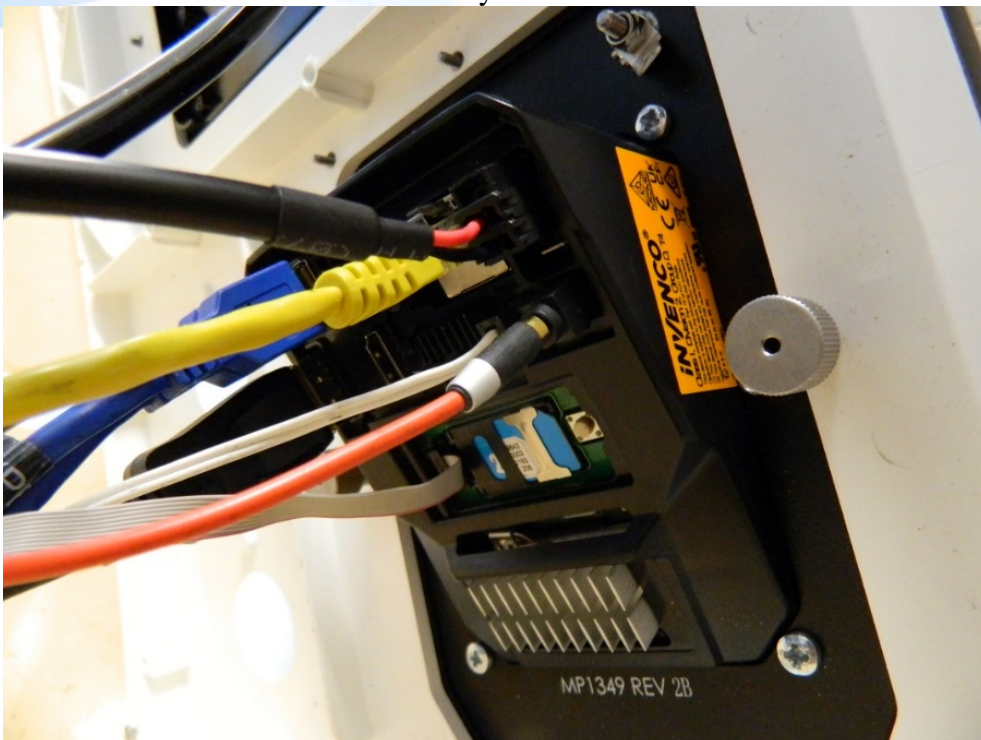
Further details can be supplied on request.

9. PHOTOGRAPHS

Indoor / Outdoor Payment Terminal – Front



Indoor / Outdoor Payment Terminal - Rear



External Outdoor Power Supply



Outdoor Payment Terminal - Front

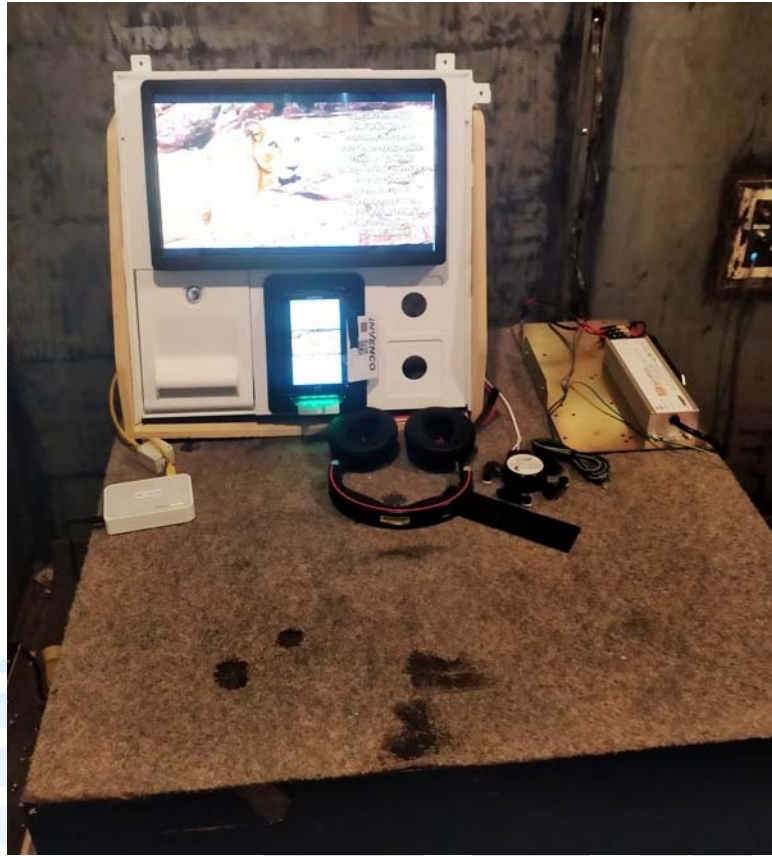


Labels



Outdoor Payment Terminal - Conducted Emissions Test Setup





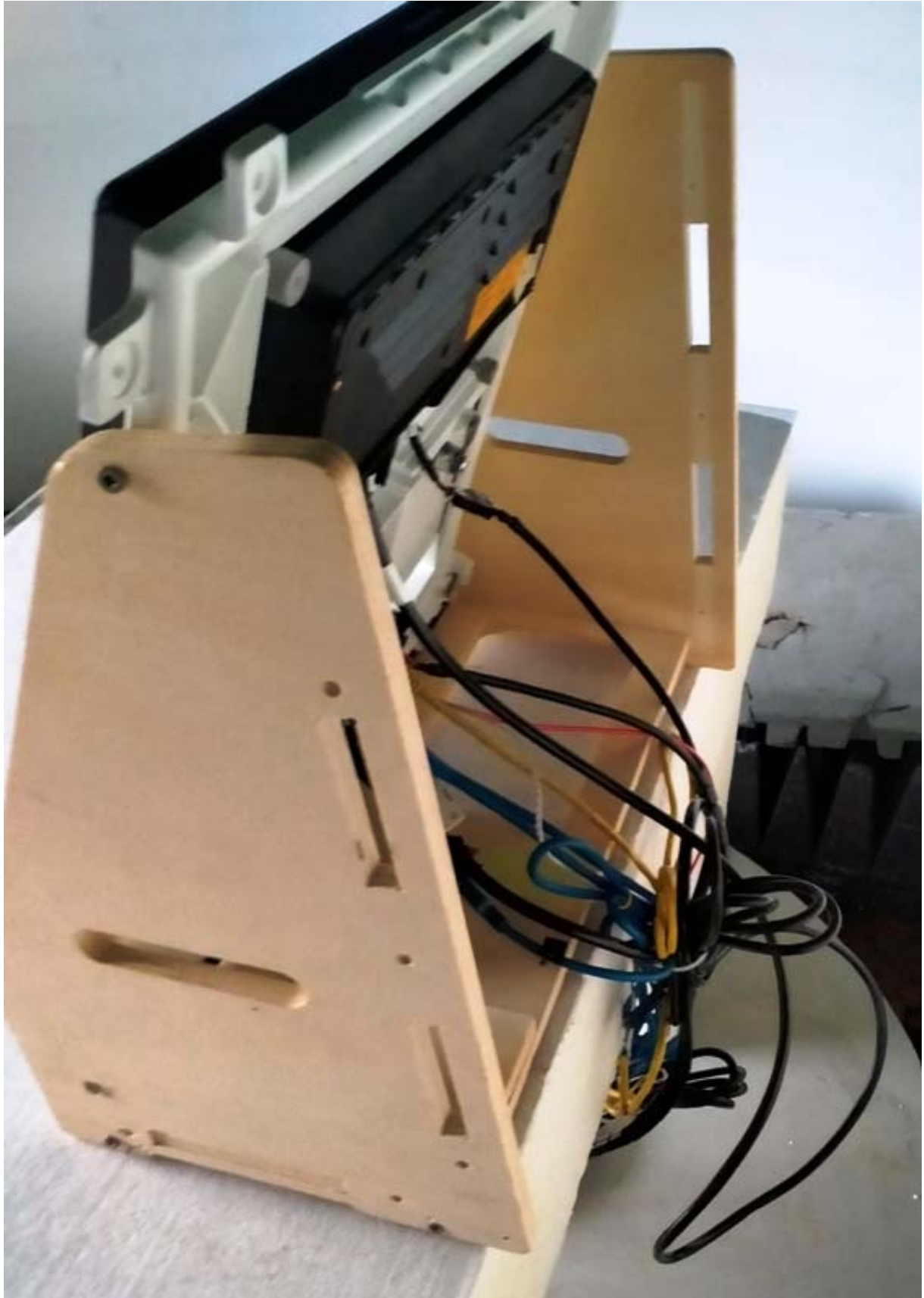
Outdoor Payment Terminal - Radiated Emissions Test Setup





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Indoor Payment Terminal – Radiated Emissions Test Set Ups

