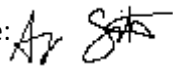


Test Report TR3871C

Equipment Under Test:	BD Neo Infusion Pump
Requirement(s):	FCC 15.209, 15.225
Test Date(s):	2/28/2025-4/23/2025
Prepared for:	DEKA Research Attn: Jack Murphy 340 Commercial Street Manchester, NH 03101

Report Issued by: Anthony Smith, EMC Engineering Specialist

Signature: 

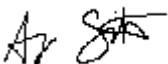
Date: 3/19/2025

Report Reviewed by: Adam Alger, Sr. Manager, EMC Laboratory

Signature: 

Date: 3/19/2025

Report Constructed by: Anthony Smith, EMC Engineering Specialist

Signature: 

Date: 6/5/2025

This test report may not be reproduced, except in full, without approval of Ezurio

Company: DEKA Research	Page 1 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
Job: C-3871		BD Neo Pump Module: 9210
		Serial: 03010573, 03010577, 03010615

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Ezurio Test Services in Review

The Ezurio laboratory located at W66 N220 Commerce Court Cedarburg, Wisconsin, 53012 USA is recognized through the following organizations:



A2LA – American Association for Laboratory Accreditation

Accreditation based on ISO/IEC 17025:2017 with Electrical (EMC) Scope

A2LA Certificate Number: 1255.01

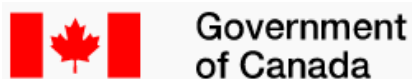
Scope of accreditation includes all test methods listed herein unless otherwise noted



Federal Communications Commission (FCC) – USA

Accredited Test Firm Registration Number: 953492

Recognition of two 3 meter Semi-Anechoic Chambers



Innovation, Science and Economic Development Canada

Accredited U.S. Identification Number: US0218

Recognition of two 3 meter Semi-Anechoic Chambers

Company: DEKA Research	Page 3 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200 BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615

1 TEST REPORT SUMMARY

During **2/28/2025 – 4/23/2025** the Equipment Under Test (EUT), **BD Neo Infusion Pump**, as provided by **DEKA Research** was tested to the following requirements:

15.225 NFC 13.56 MHz Radio

Requirements	Description	Method	Compliant
15.207(a)	AC Mains Conducted Emissions	ANSI C63.10	Yes
15.225, 15.209, 15.205	Radiated Emissions	ANSI C63.10	Yes
15.225(e)	Frequency Stability	ANSI C63.10	Yes
15.215(c)	20dB Emission Bandwidth	ANSI C63.10	Yes

15.209 NFC 125 kHz Radio

Requirements	Description	Method	Compliant
15.209, 15.205	Radiated Emissions	ANSI C63.10	Yes

Notice:

The results relate only to the item tested as configured and described in this report. Any additional configurations, modes of operation, or modifications made to the equipment under test after the specified test date(s) are at the decision of the client and may not apply to the data seen in this test report.

The decision rule for Pass / Fail assessment to the specification or standard listed in this test report has been agreed upon by the client and laboratory to be as follows:

Measurement Type	Rule
Emissions – Amplitude	1 dB below specified limit
Emissions – Frequency	1% less than the specification
Immunity	Tested at specified level

2 CLIENT INFORMATION

Company Name	DEKA Research
Contact Person	Jack Murphy
Address	340 Commercial Street Manchester, NH 03101

2.1 Equipment Under Test (EUT) Information

The following information has been supplied by the client

Product Name	BD Neo Infusion Pump
Model Number	BD Neo PCU: 9200 BD Neo Pump Module: 9210
Serial Number	PCU 03010573: Config 33 used for comparison PCU 03010577: Config 34 used for reported test data PCU 03010615: Config 39 with antenna termination used for AC Mains Conducted Emissions
Date of Receipt	2/20/2025
Condition	Good
FCC ID	2ATGAST60

2.2 Product Description

The Neo Infusion Device is a modular system that accurately infuses a broad range of drugs fluids, parenteral nutrition solutions, blood, and blood products. The Neo Infusion Device is intended for use in professional Healthcare Facilities on adult, pediatric, and neonatal patients. The Neo Infusion Device consists of the Point-of-Care Unit (PCU), and up to four detachable Large Volume Pump (LVP) Modules, which provide infusion capabilities.

2.3 Modifications Incorporated for Compliance

None noted at time of test

2.4 Deviations and Exclusions from Test Specifications

None noted at time of test

Company: DEKA Research	Page 5 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200 BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615

2.5 Additional Information

Two configurations exist for device. These are known as Config 33 and Config 34. Config 34 was used for reported test results. Devices were checked to compare any concerning areas, and no substantial differences were noted.

Transmitters in EUT:

125 kHz: Inductively coupled “proximity” identification or access control technology.

13.56 MHz: Inductively coupled and capable of reading NFC credentials as well as other credentials operating at 13.56 MHz.

2.4/5 GHz: WLAN – 802.11a/b/g/n/ac.

2.6 Software Version

Milestone 29 Debug Version

Neo Clinical Application Version 1.3.7.1

FCC Test Badge Reader software 2.7.3 – 125kHz/13.56MHz in “Constant On” mode.

Normal Badge Reader software 2.3.3 – AC Mains conducted emissions testing only

2.7 Auxiliary Equipment

Laptop

Dell Latitude 5450

MN: P165G

SN: 15702971583

Network Switch

Cisco SG200-08

MN: SLM2008T-V01

SN: PSJ150800KY

Company: DEKA Research	Page 6 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200 BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615

3 REFERENCES

Publication	Edition	Date	AMD 1	AMD 2
FCC eCFR 47Part 15	-	2025	-	-
ANSI C63.10	-	2020	-	-
KDB 174176 D01*	-	2015	-	-

Note: KDB 174176 D01 not on Ezurio scope of accreditation

4 UNCERTAINTY SUMMARY

Using the guidance of the following publications the calculated measurement uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level, using a coverage factor of $k = 2$.

References
CISPR 16-4-1
CISPR 16-4-2
CISPR 32
ANSI C63.23
A2LA P103
A2LA P103c
ETSI TR 100-028

Measurement Type	Configuration	Uncertainty $\pm$
Radiated Emissions	Biconical Antenna	5.0 dB
Radiated Emissions	Log Periodic Antenna	5.3 dB
Radiated Emissions	Horn Antenna	4.7 dB
AC Line Conducted Emissions	Artificial Mains Network	3.4 dB
Telecom Conducted Emissions	Asymmetric Artificial Network	4.9 dB
Disturbance Power Emissions	Absorbing Clamp	4.1 dB
Radiated Immunity	3 Volts/meter	2.2 dB
Conducted Immunity	CDN/EM/BCI	2.4/3.5/3.4 dB
EFT Burst/Surge	Peak pulse voltage	164 volts
ESD Immunity	15 kV level	1377 Volts

Parameter	ETSI U.C. $\pm$	U.C. $\pm$
Radio Frequency, from F0	1×10^{-7}	0.55×10^{-7}
Occupied Channel Bandwidth	5 %	2 %
RF conducted Power (Power Meter)	1.5 dB	1.2 dB
RF conducted emissions (Spectrum Analyzer)	3.0 dB	1.7 dB
All emissions, radiated	6.0 dB	5.3 dB
Temperature	1° C	0.65° C
Humidity	5 %	2.9 %
Supply voltages	3 %	1 %

Company: DEKA Research	Page 8 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
Job: C-3871		BD Neo Pump Module: 9210
		Serial: 03010573, 03010577, 03010615

5 TEST DATA

5.1 Radiated Emissions

Description of Measurement	The frequency spectrum is investigated for intentional and / or unintentional signals emanating from the EUT by use of a standardized test site and measurement antenna. The antenna, cable, pre-amp, and other necessary measurement system correction factors are loaded onto the EMI receiver / spectrum analyzer when the measurements are performed allowing the data to be gathered and reported as corrected values. The maximum emissions from the EUT are determined by turn-table azimuth rotation (360°) and scanning of the measurement antenna. Maximized levels are noted at degree values of azimuth, measurement antenna height, and measurement antenna polarity.
Example Calculations	Measurement (dBμV) + Cable factor (dB) + Other (dB) + Antenna Factor (dB/m) = Corrected Reading (dBμV/m) Margin (dB) = Limit (dBμV/m) - Corrected Reading (dBμV/m) Example at 4000 MHz: Reading = 40 dBμV + 3.4 dB + 0.9 dB + 6.5 dB/m = 50.8 dBμV/m Average Limit = 20 log (500) = 54 dBμV/m Margin = 54 dBμV/m - 50.8 dBμV/m = 3.2 dB

Block Diagram



Instrumentation

Asset #	Description	Manufacturer	Model #	Serial #	Date	Due Date	Status
AA 960081	Antenna - Double Ridge Horn	EMCO	3115	6907	1/8/2025	1/8/2026	Active Calibration
AA 960162	Cable	MegaPhase	EM2-S1S1-120	51503501 001	1/28/2025	1/28/2026	Active Verification
AA 960174	Antenna - Small Horn	ETS Lindgren	3116C-PA	00206880	12/2/2024	12/2/2025	Active Calibration
AA 960194	Antenna - Biconical	A.H. Systems, Inc.	SAS-540	780	12/9/2024	12/9/2025	Active Calibration
AA 960195	Antenna - Log Periodic	A.H. Systems, Inc.	SAS-512-2	557	11/22/2024	11/23/2025	Active Calibration
AA 960206	Antenna - Loop	A.H. Systems, Inc.	SAS-565-H	2758	8/31/2023	8/31/2025	Active Calibration
EE 960085	Analyzer - EMI Receiver	Agilent	N9038A	MY51210148	4/3/2025	4/3/2026	Active Calibration
EE 960087	Analyzer - Spectrum	Agilent	N9010A	MY53400296	4/1/2025	4/1/2026	Active Calibration
EE 960203	Analyzer - EMI Receiver	Keysight	N9038A	MY56400072	4/2/2025	4/2/2026	Active Calibration
LSC-500	Cable	Chamber 5 Emissions	-	-	1/27/2025	1/27/2026	Active Verification

5.1.1 Radiated Emissions – 13.56 MHz NFC

Operator	Anthony Smith	QA	Adam Alger
Temperature	23.3, 23.6, 22.2, 22.4°C	R.H. %	24.2, 23.2, 28.5, 29.1
Test Date	2/28/2025, 4/1/2025, 4/2/2025, 4/3/2025	Location	Chamber 5
Requirement	FCC 15.225, FCC 15.209	Method	ANSI C63.10

Limits:

15.225

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) 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.
- (c) 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.
- (d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

15.209

Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Parameters

Frequency	30-40000	Distance	3m
Detector(s)	Peak, QP	Table height	80cm Below 1 GHz 150cm Above 1 GHz
RBW	200 Hz (9-150 kHz), 9 kHz (150 kHz - 30 MHz)	VBW	2 kHz (9-150 kHz), 90 kHz (150 kHz - 30 MHz)
Notes	No emissions seen above 1 GHz		

Company: DEKA Research	Page 11 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200 BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615

EUT Parameters

Input Power	120VAC 60Hz	Mode	NFC Radios
Channel	125k and 13.56 MHz Constant On Mode		

Table

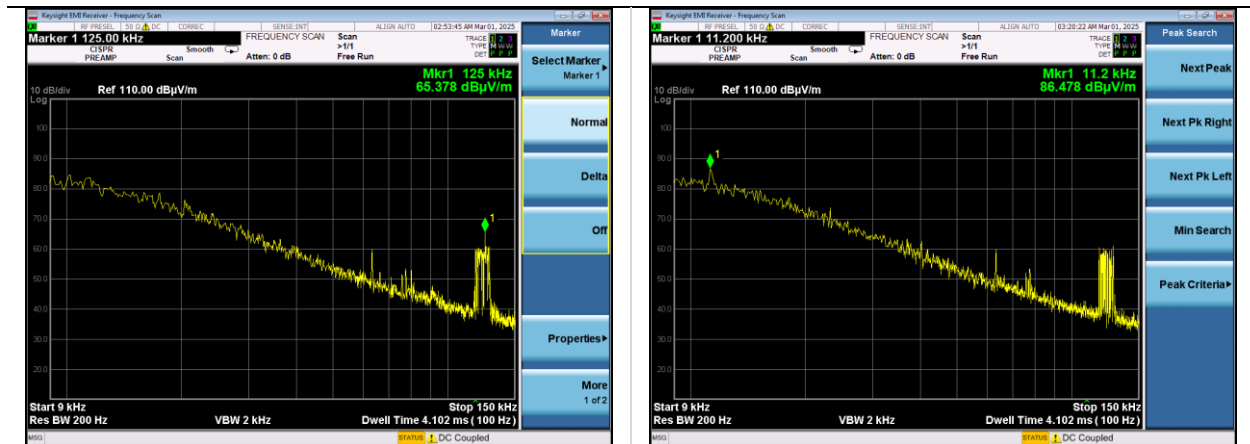
Spurious Emissions

Frequency (MHz)	Antenna Polarity	Height (cm)	Azimuth (degree)	Quasi-Peak Reading (dB μ V/m)	Quasi-Peak Limit (dB μ V/m)	Quasi-Peak Margin (dB)
934.7	V	100	0	29.4	46.0	16.6
204.7	H	164	290	25.5	43.5	18.0
256.0	H	121	145	20.9	46.0	25.2
300.0	H	107	118	26.9	46.0	19.1
307.2	H	100	118	24.8	46.0	21.2
204.7	V	100	329	23.2	43.5	20.3

Fundamental Emission

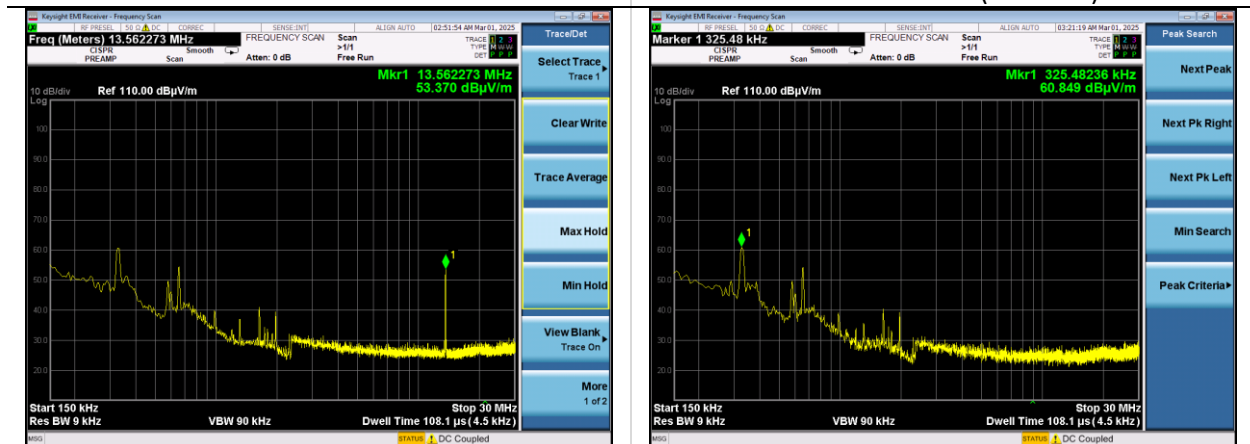
Frequency (MHz)	Antenna Axis	Height (cm)	Azimuth (degree)	Quasi-Peak Reading (dB μ V/m)	Quasi-Peak Limit (dB μ V/m)	Quasi-Peak Margin (dB)
13.56	X	100	80	62.7	124.0	61.3
13.56	Z	100	178	61.3	124.0	62.7
13.56	Y	100	199	51.5	124.0	72.5

Plots



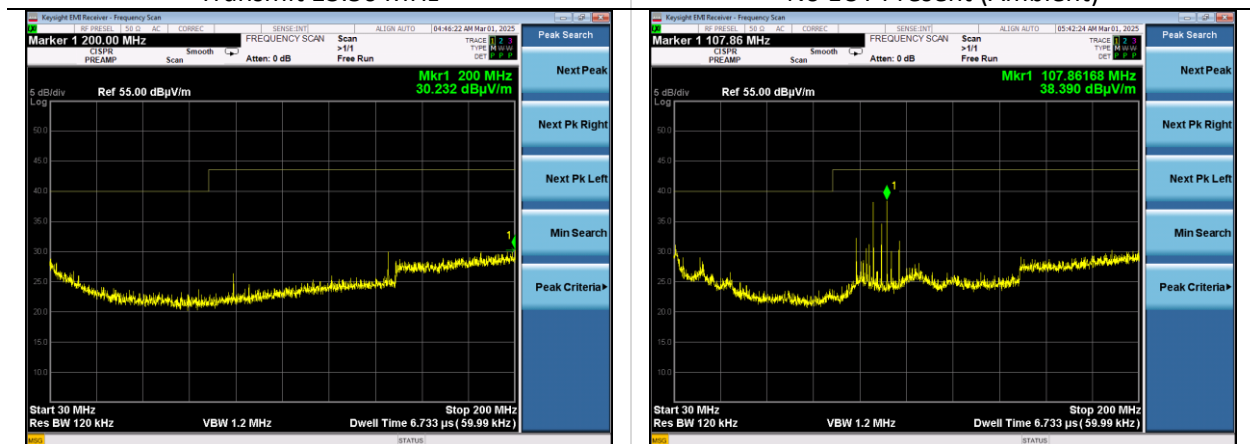
9-150 kHz Y Axis
Transmit 13.56 MHz

9-150 kHz Y Axis
No EUT Present (Ambient)



150 kHz – 30 MHz Y Axis
Transmit 13.56 MHz

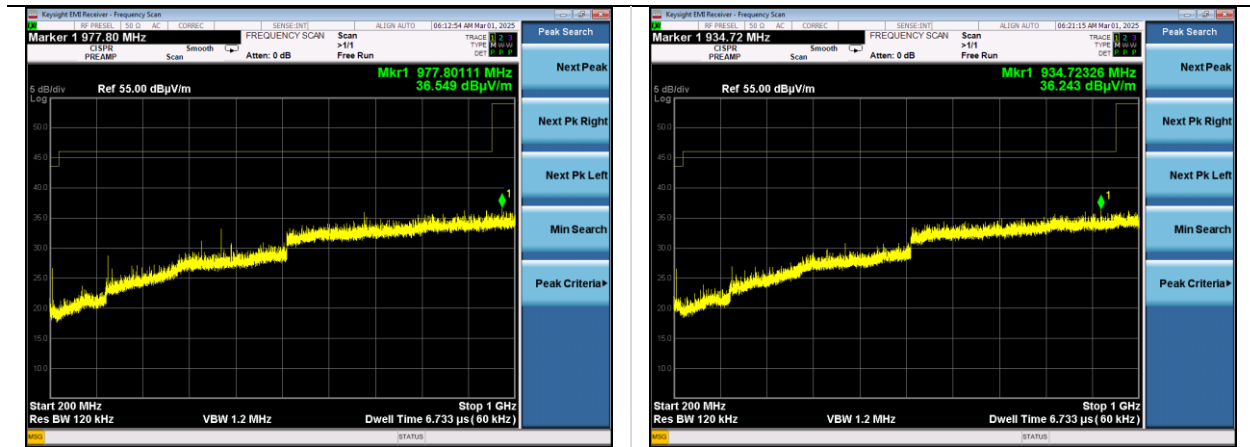
150 kHz – 30 MHz Y Axis
No EUT Present (Ambient)



30-200 MHz Horizontal

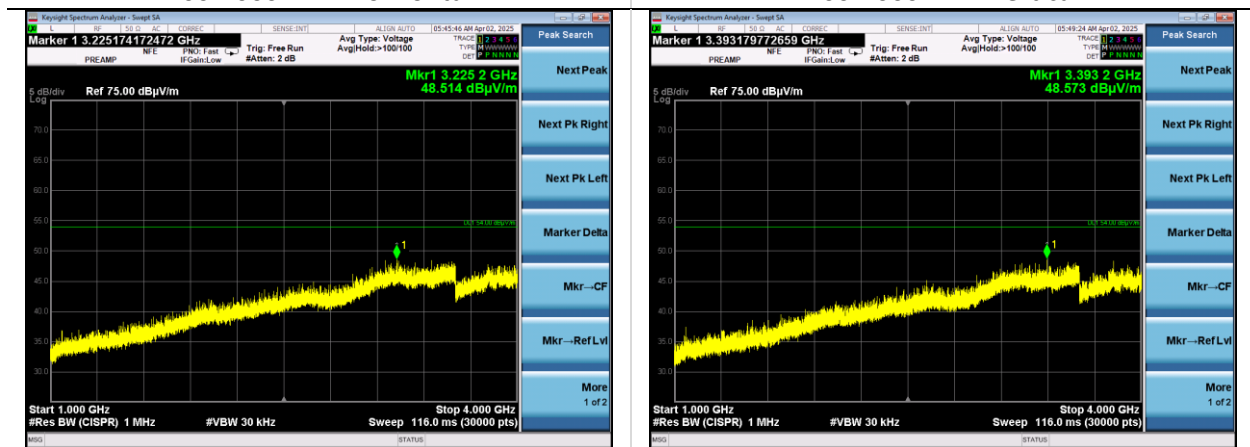
30-200 MHz Vertical
Emissions seen are from turntable, not EUT

Company: DEKA Research		Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
Job: C-3871		BD Neo Pump Module: 9210
		Serial: 03010573, 03010577, 03010615



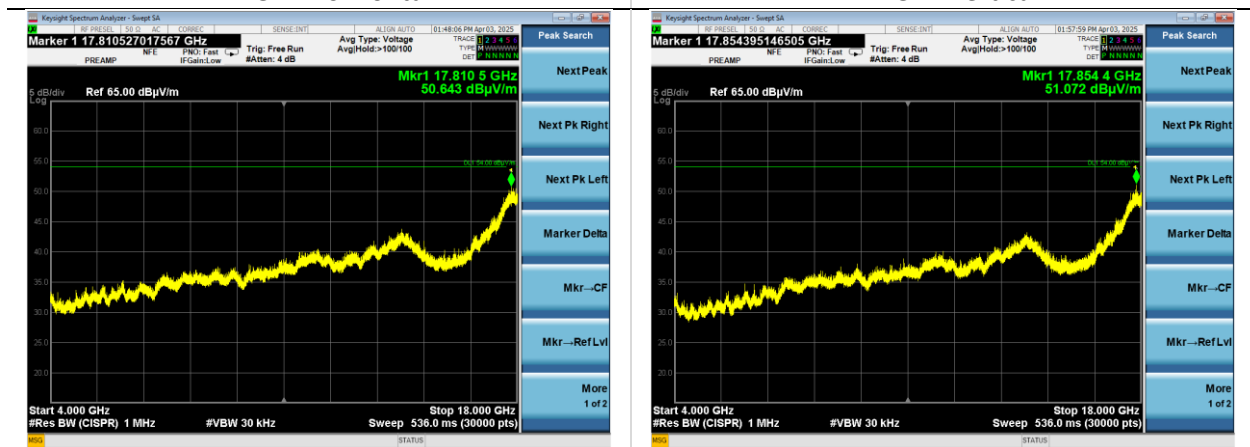
200-1000 MHz Horizontal

200-1000 MHz Vertical



1-4 GHz Horizontal

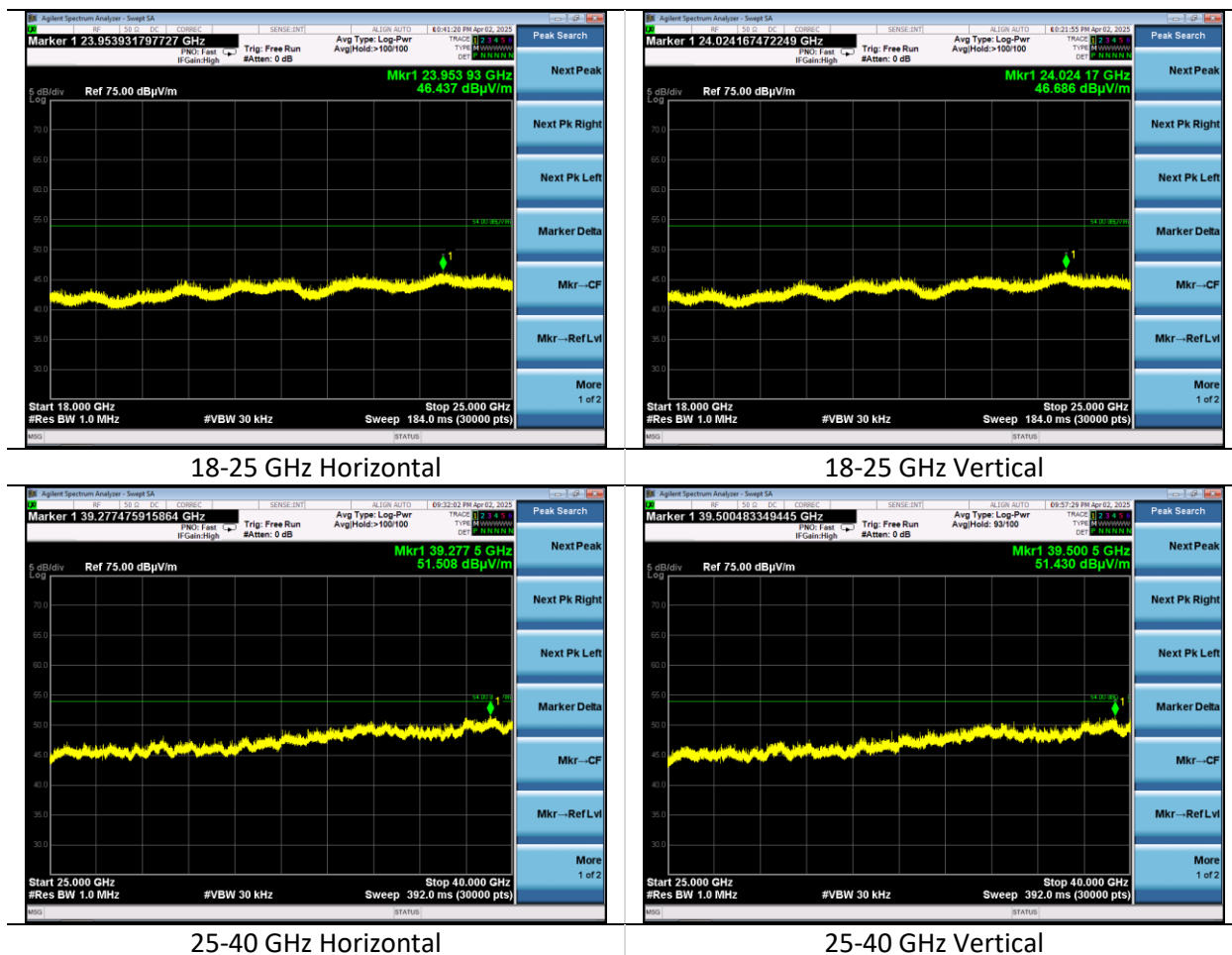
1-4 GHz Vertical



4-18 GHz Horizontal

4-18 GHz Vertical

Company: DEKA Research	Page 14 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
Job: C-3871		BD Neo Pump Module: 9210
		Serial: 03010573, 03010577, 03010615



5.1.2 Radiated Emissions – 125 kHz NFC

Operator	Anthony Smith	QA	Adam Alger
Temperature	23.3°C, 23.6, 22.2, 22.4	R.H. %	24.2%, 23.2, 28.5, 29.1
Test Date	2/28/2025, 4/1/2025, 4/2/2025, 4/3/2025	Location	Chamber 5
Requirement	FCC 15.209	Method	ANSI C63.10

Limits:

15.209

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Parameters

Frequency	30-40000	Distance	3m
Detector(s)	Peak, QP	Table height	80cm Below 1 GHz 150cm Above 1 GHz
RBW	200 Hz (9-150 kHz), 9 kHz (150 kHz - 30 MHz)	VBW	2 kHz (9-150 kHz), 90 kHz (150 kHz - 30 MHz)
Example Calculations	2400/125 = 19.2μV/m at 300m. $20\log(19.2)=25.7\text{dB}\mu\text{V/m}$ at 300m. $25.7 + 40\log(300/3) = 25.7 + 80 = 105.7\text{dB}\mu\text{V/m}$ at 3m.		
Notes	No emissions seen above 1 GHz		

EUT Parameters

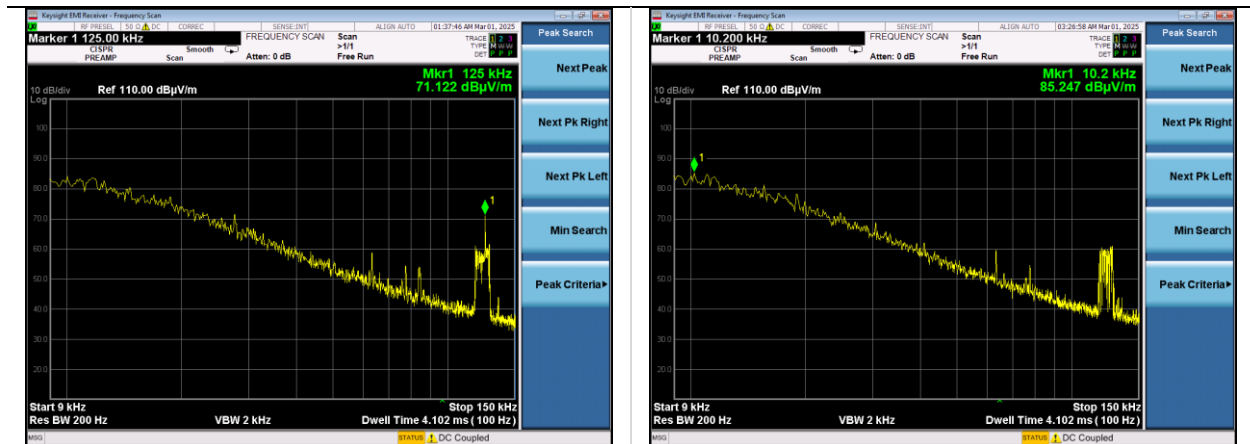
Input Power	120VAC 60Hz	Mode	NFC Radios
Channel	125k and 13.56 MHz Constant On Mode		

Table

Frequency (MHz)	Antenna Polarity	Height (cm)	Azimuth (degree)	Quasi-Peak Reading (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Quasi-Peak Margin (dB)
934.7	V	100	0	29.4	46.0	16.6
204.7	H	164	290	25.5	43.5	18.0
256.0	H	121	145	20.9	46.0	25.2
300.0	H	107	118	26.9	46.0	19.1
307.2	H	100	118	24.8	46.0	21.2
204.7	V	100	329	23.2	43.5	20.3

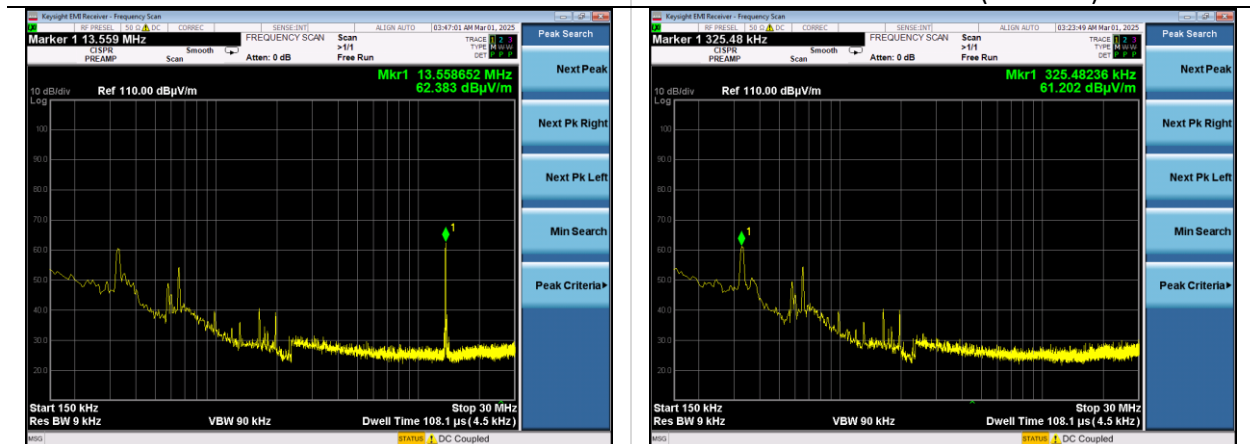
Frequency (MHz)	Antenna Polarity	Height (cm)	Azimuth (degree)	Quasi-Peak Reading (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Quasi-Peak Margin (dB)
0.125	X	100	283	71.0	105.7	34.7
0.125	Z	100	0	75.3	105.7	30.4
0.125	Y	100	173	65.6	105.7	40.1

Plots



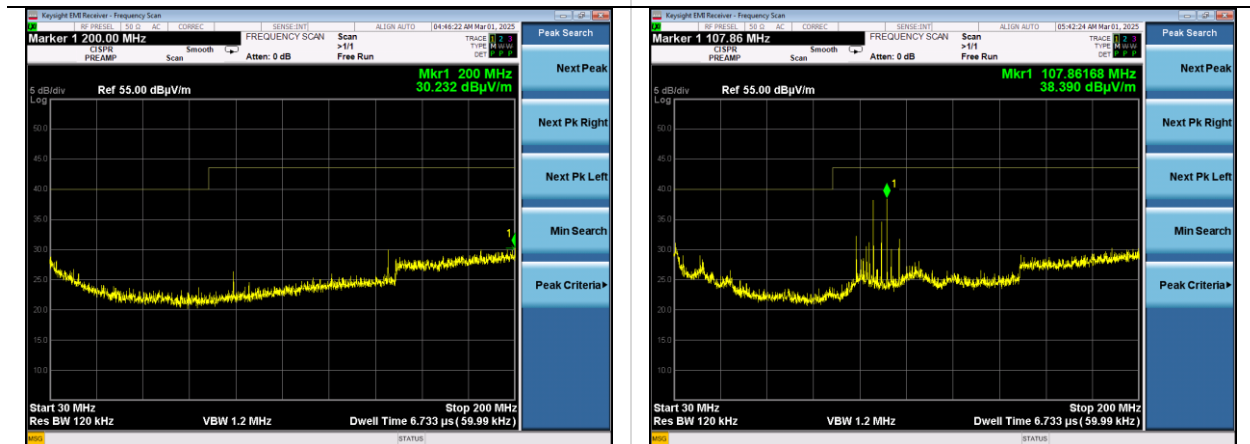
9-150 kHz Z Axis
Transmit 125 kHz

9-150 kHz Z Axis
No EUT Present (Ambient)



150 kHz – 30 MHz Z Axis
Transmit 125 kHz

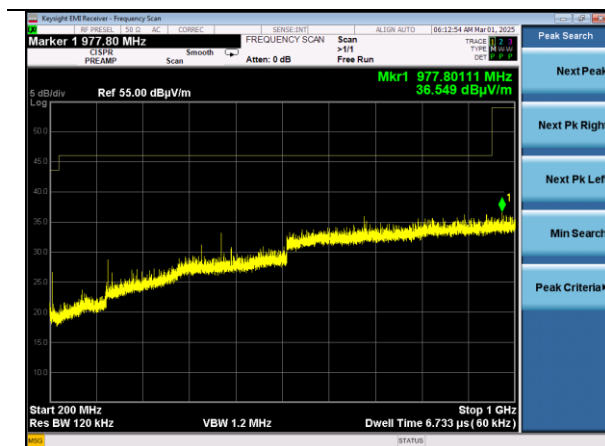
150 kHz – 30 MHz Z Axis
No EUT



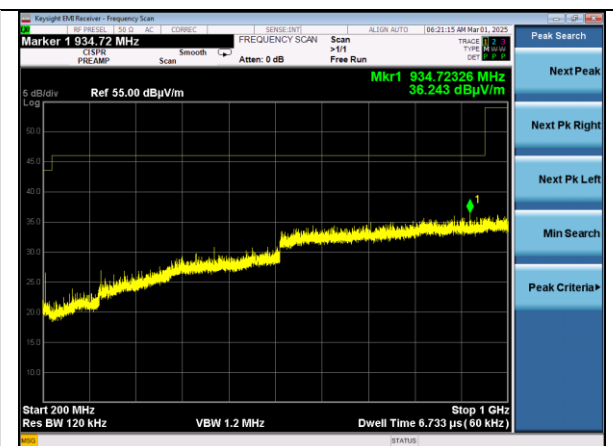
30-200 MHz Horizontal

30-200 MHz Vertical
Emissions seen are from turntable, not EUT

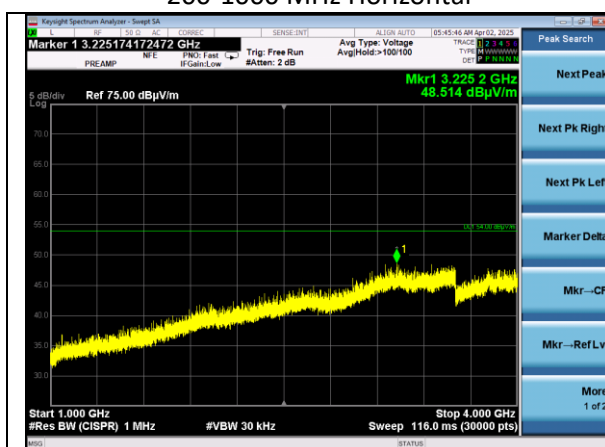
Company: DEKA Research		Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
		BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615



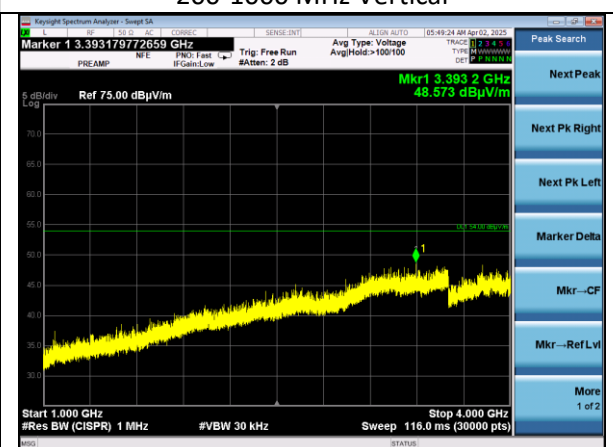
200-1000 MHz Horizontal



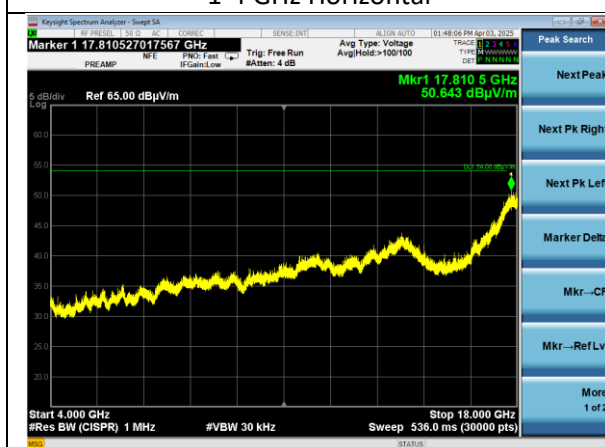
200-1000 MHz Vertical



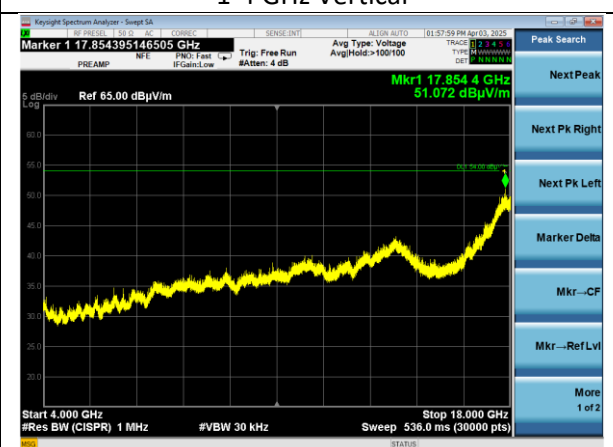
1-4 GHz Horizontal



1-4 GHz Vertical

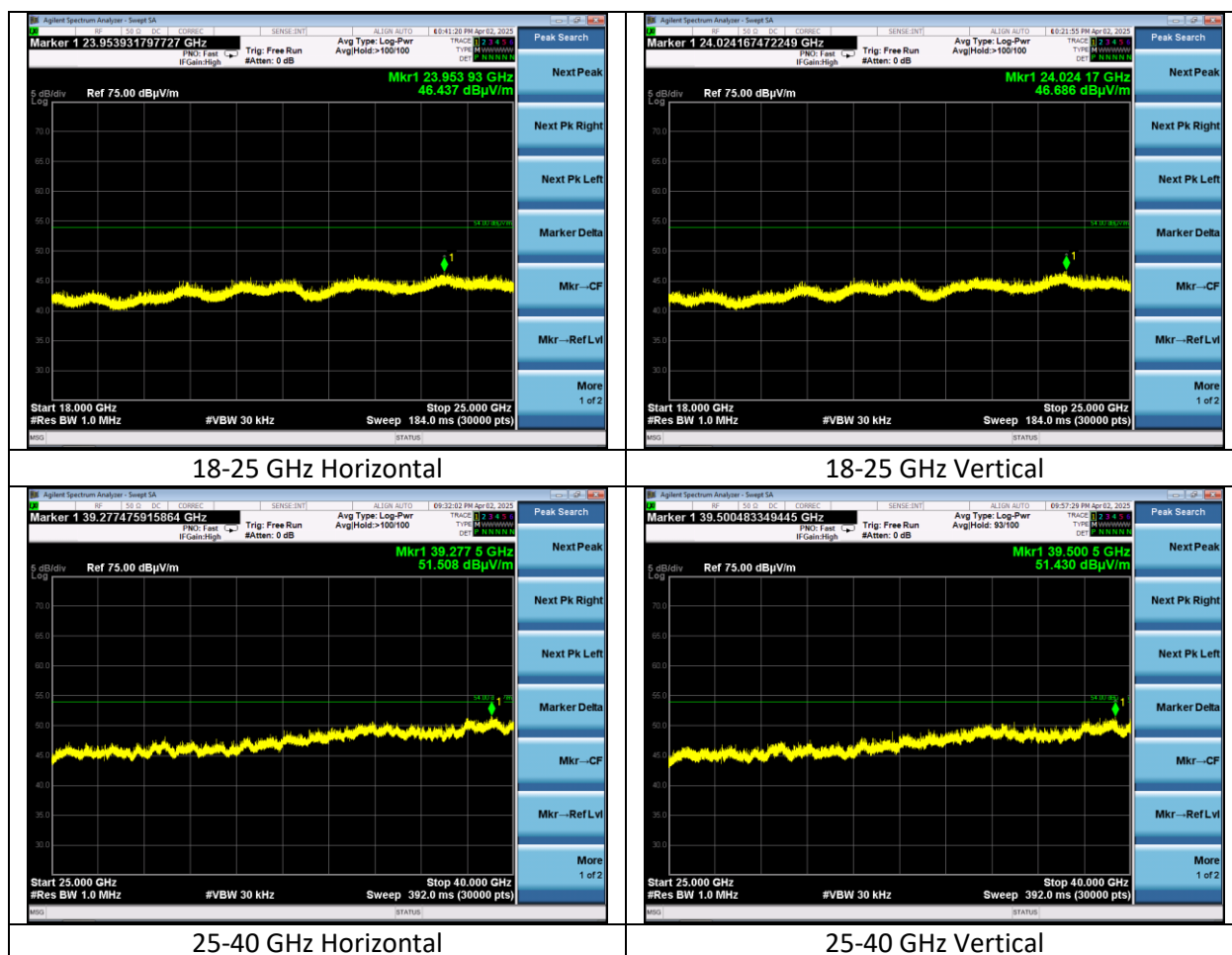


4-18 GHz Horizontal



4-18 GHz Vertical

Company: DEKA Research	Page 19 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200
Job: C-3871		BD Neo Pump Module: 9210
		Serial: 03010573, 03010577, 03010615



5.1.3 20 dB Emission Bandwidth

Operator	Anthony Smith	QA	Adam Alger
Temperature	23.3°C, 23.6, 22.2, 22.4	R.H. %	24.2%, 23.2, 28.5, 29.1
Test Date	2/28/2025, 4/1/2025, 4/2/2025, 4/3/2025	Location	Chamber 5
Requirement	FCC 15.215(c)	Method	ANSI C63.10

Limits:

- (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

Test Parameters

Frequency	13.56 MHz	Distance	3m
Detector(s)	Peak	Trace	Max Hold
RBW	30 Hz	VBW	100 Hz
Span	10 kHz		

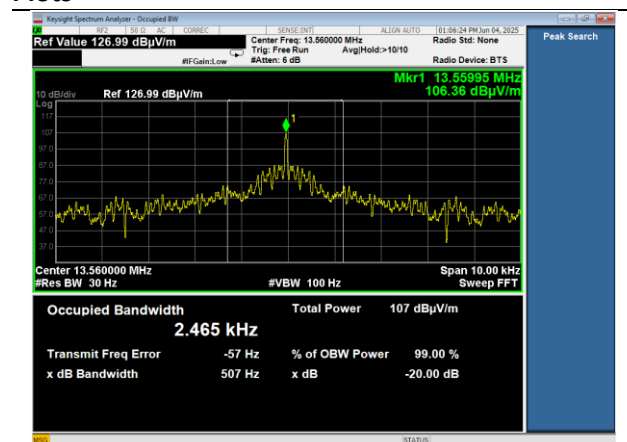
EUT Parameters

Input Power	120VAC 60Hz	Mode	NFC On
Channel	13.56 MHz Transmit		

Table

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.507

Plots



20 dB Bandwidth

Company: DEKA Research	Page 22 of 30	Name: BD Neo Infusion Pump
Report: TR3871C		Model: BD Neo PCU: 9200 BD Neo Pump Module: 9210
Job: C-3871		Serial: 03010573, 03010577, 03010615

5.1.4 Frequency Stability

Operator	Anthony Smith	QA	Dylan Rosenfeldt
Temperature	21.8, 21.2°C	R.H. %	35.9, 34.7
Test Date	4/21/2025, 4/22/2025	Location	Chamber 5
Requirement	FCC 15.225(e)	Method	ANSI C63.10

Limits:

No limit specified for 125 kHz radio.

Within 0.01% for 13.56 MHz radio. The device **must stay within 13.558644 to 13.561356 MHz**.

Test Parameters

Detector(s)	Peak	Trace	Max Hold, Frequency Counter
RBW	30 Hz	VBW	100 Hz

EUT Parameters

Input Power	120VAC 60Hz	Mode	NFC On
Channel	125 kHz, 13.56 MHz Transmit		

Instrumentation

Asset #	Description	Manufacturer	Model #	Serial #	Date	Due Date	Status
AA 960144	Cable	Gore	EKD01D010720	5800373	1/28/2025	1/28/2026	Active Verification
CC 000210C	Chamber - Environmental	Thermotron	S-8C	28133	1/30/2025	1/30/2026	Active Verification
EE 960087	Analyzer - Spectrum	Agilent	N9010A	MY53400296	6/1/2025	6/1/2026	Active Calibration

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Table

Temp °C	Radio	Frequency (Hz)
15	125k	125003
15	13.56M	13559966
35	125k	125003
35	13.56M	13559965
21	125k	125003
21	13.56M	13559967

VAC	Radio	Frequency (Hz)
120	125k	125003
120	13.56M	13559969
102	125k	125003
102	13.56M	13559969
138	125k	125003
138	13.56M	13559970

Result

The radio is compliant with Frequency Stability.

5.2 AC Mains Conducted Emissions

A line impedance stabilization network (LISN) or artificial mains network (AMN) allows the emissions of the power supply conductors to be measured while isolating the EUT from the supply mains.

Description of Measurement

The AMN, cable, and other necessary measurement system correction factors are loaded onto the EMI receiver when the measurements are performed. The data is gathered and reported as the corrected values.

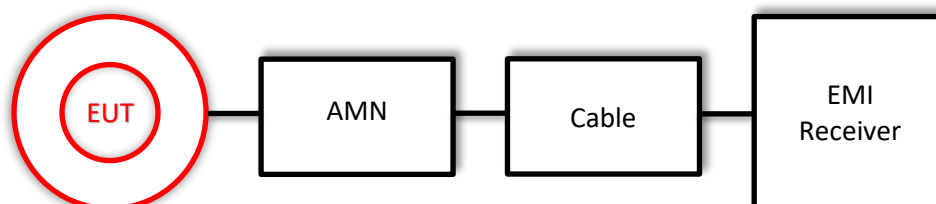
Maximum emissions are determined with a peak max hold trace then measurements at a selection of the highest points are made with quasi-peak and average detectors. Results are recorded and compared to limit for each line. (e.g. line and neutral)

Example Calculations

Measurement (dBμV) + Cable factor (dB) + Other (dB) = Corrected Reading (dBμV)

Margin (dB) = Limit (dBμV) - Corrected Reading (dBμV)

Block Diagram



5.2.1 AC Mains Conducted Emissions

Operator	Anthony Smith	QA	Dylan Rosenfeldt
Temperature	21.7, 21.2°C	R.H. %	30.0, 35.9
Test Date	4/17/2025, 4/23/2025	Location	Conducted Bench
Requirement	FCC 15.207	Method	ANSI C63.10

Limits:

Frequency (MHz)	Quasi-Peak Limit (dBμV)	Average Limit (dBμV)
0.15-0.5	66.0-56.0*	56.0-46.0*
0.5-5	56.0	46.0
5-30	60.0	50.0

*Decreases with the logarithm of the frequency.

Test Parameters

Frequency	150 kHz - 30 MHz	Distance	80cm EUT to LISN
Detector(s)	Peak Trace QP, Avg Measurements	Table height	80cm
RBW	9 kHz	VBW	62 kHz

Instrumentation

Asset #	Description	Manufacturer	Model #	Serial #	Date	Due Date	Status
EE 960088	Analyzer - EMI Receiver	Agilent	N9038A	MY51210138	12/10/2024	12/10/2025	Active Calibration
EE 960089	LISN	COM-POWER	LI-215A	191943	3/31/2025	3/31/2026	Active Calibration
LSC-203	Cable	Micro-Coax	UFB311A-0-1440-70U70U	64639 224071-005	1/29/2025	1/29/2026	Active Verification

EUT Parameters

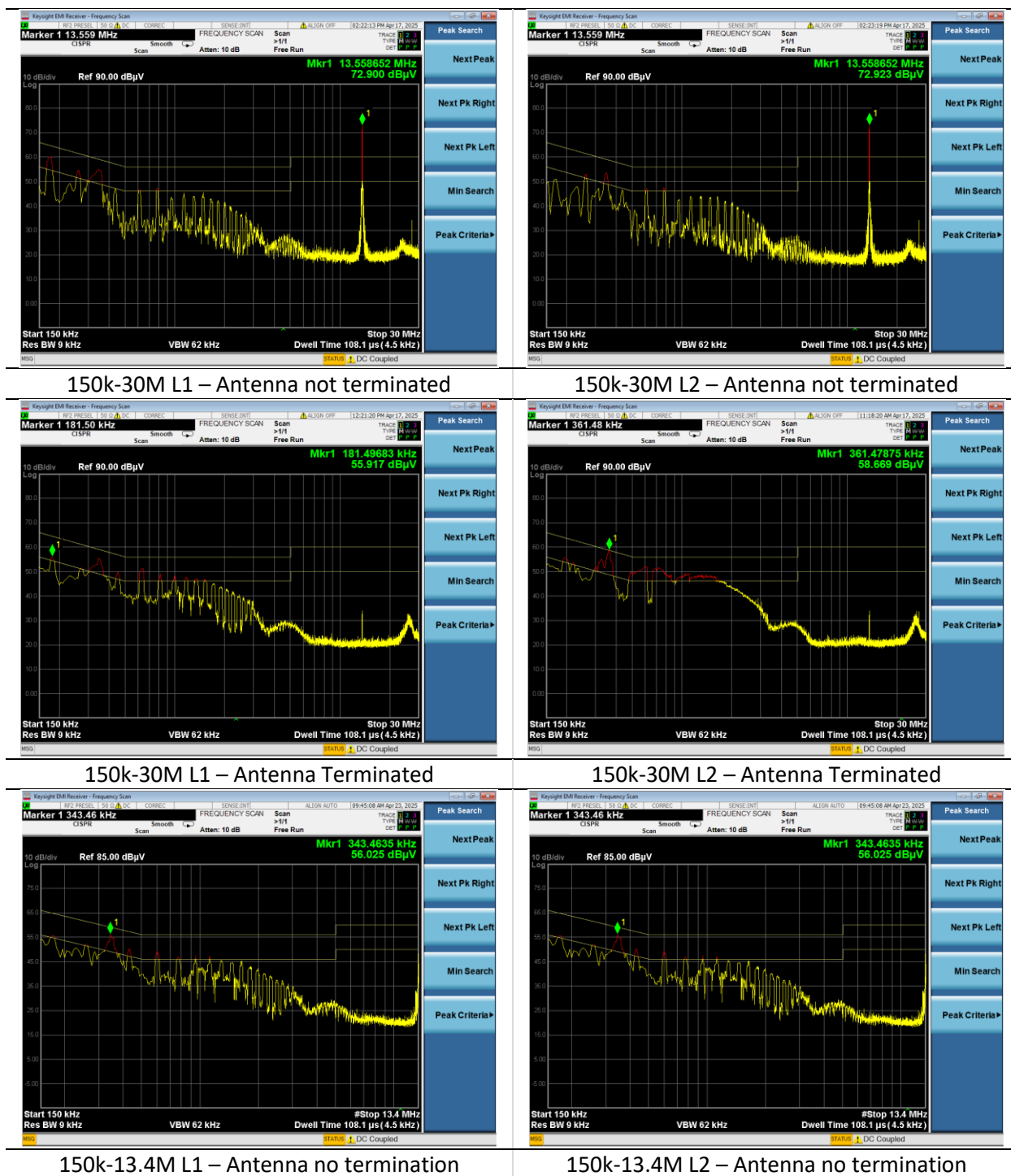
Input Power	120VAC 60Hz	Mode	Transmit / Normal Mode
Radio	125k and 13.56 MHz	EUT	Radios operate simultaneously
Notes	RFID Antenna terminated with a suitable dummy load (Coilcraft 0805AF-182XJRC 1.8μH, 0.37Ω inductor) in place of the antenna during AC Mains testing per KDB 174176		

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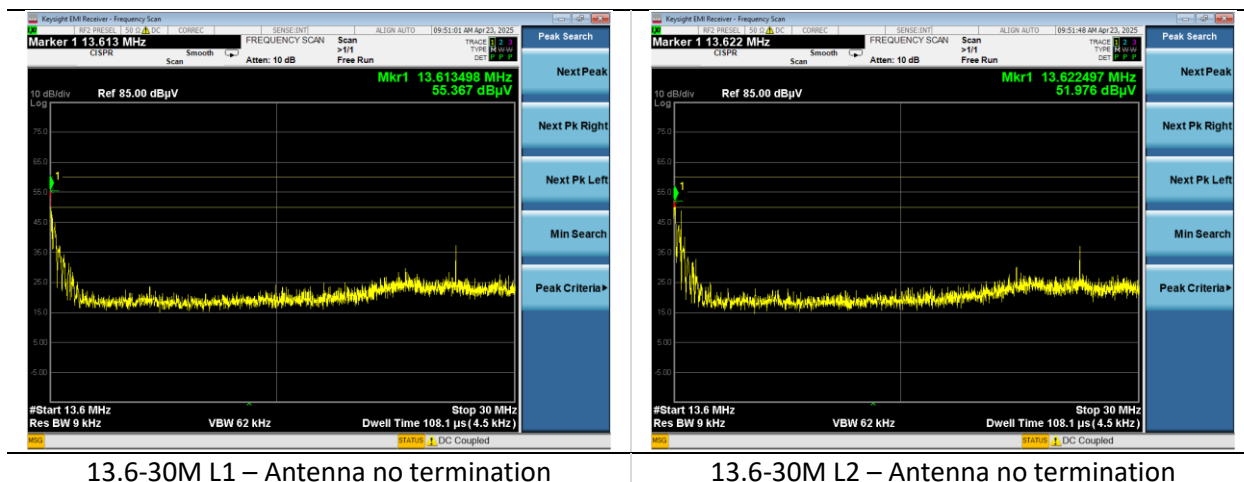
Table

Line	Frequency (MHz)	Peak Reading (dBμV)	Quasi-Peak Reading (dBμV)	Average Reading (dBμV)	Quasi-Peak Limit (dBμV)	Average Limit (dBμV)	Quasi-Peak Margin (dB)	Average Margin (dB)
L1	0.257	54.9	52.7	47.8	61.5	51.5	8.8	3.7
L1	0.379	49.2	43.1	23.9	58.3	48.3	15.2	24.4
L1	0.608	48.4	46.6	37.9	56.0	46.0	9.4	8.1
L1	0.771	46.9	45.2	40.7	56.0	46.0	10.8	5.3
L1	1.121	47.2	43.9	38.1	56.0	46.0	12.1	7.9
L1	13.613	55.1	52.4	34.5	60.0	50.0	7.6	15.5
L2	0.344	57.1	52.0	38.4	59.1	49.1	7.1	10.7
L2	0.173	56.8	53.2	33.0	64.8	54.8	11.6	21.8
L2	0.433	50.3	47.3	42.9	57.2	47.2	9.9	4.3
L2	0.604	49.3	47.5	44.4	56.0	46.0	8.5	1.6
L2	0.780	46.5	44.6	37.8	56.0	46.0	11.4	8.2
L2	0.946	48.1	43.3	38.4	56.0	46.0	12.7	7.6
L2	13.622	51.6	48.4	30.8	60.0	50.0	11.6	19.2

Plots



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6 REVISION HISTORY

Version	Date	Notes	Person
0	6/5/2025	Initial Draft	Anthony Smith
0.1	6/9/2025	Revised Draft	Anthony Smith
0.2	6/12/2025	Revisions to Client Information	Anthony Smith
0.3	6/17/2025	Further Revisions	Anthony Smith
1.0	6/24/2025	Client requested release prior to TCB review	Anthony Smith
1.1	7/24/2025	Typo Fixed	Anthony Smith
1.2	9/5/2025	Client info updated	Anthony Smith
1.3	11/19/2025	References updated	Anthony Smith
1.4	12/13/2025	Frequency Stability section added, AC Mains section updated	Anthony Smith

END OF REPORT