

## FCC PART 15B

## TEST REPORT

For

### SZ DJI Osmo Technology Co.,Ltd.

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Nanshan District, Shenzhen, China

**FCC ID: 2ANDR-P1F11803**

|                                        |                                                                                                                                                                                                                                                       |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Type:</b><br>Force Pro                                                                                                                                                                                                                     |
| <b>Report Number:</b>                  | RDG180325002-00A                                                                                                                                                                                                                                      |
| <b>Report Date:</b>                    | 2018-04-04                                                                                                                                                                                                                                            |
| <b>Reviewed By:</b>                    | Jerry Zhang<br>EMC Manager <i>Jerry Zhang</i>                                                                                                                                                                                                         |
| <b>Test Laboratory:</b>                | Bay Area Compliance Laboratories Corp. (Dongguan)<br>No.69 Pulongcun, Puxinhu Industry Area,<br>Tangxia, Dongguan, Guangdong, China<br>Tel: +86-769-86858888<br>Fax: +86-769-86858891<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |

**Note:** This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA\* or any agency of the Federal Government. \* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk

“\*”

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## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                                         |                                                  |
|-----------------------------------------|--------------------------------------------------|
| <b>EUT Name:</b>                        | Force Pro                                        |
| <b>EUT Model:</b>                       | P1F1                                             |
| <b>FCC ID:</b>                          | 2ANDR-P1F11803                                   |
| <b>Rated Input Voltage:</b>             | 5Vdc from USB port or 9-26Vdc from DC power port |
| <b>The Highest Operating Frequency:</b> | 5843 MHz                                         |
| <b>External Dimension:</b>              | 73.5 mm (L) x 42 mm (W) x 288.7 mm (H)           |
| <b>Serial Number:</b>                   | 180325002                                        |
| <b>EUT Received Date:</b>               | 2018-03-25                                       |

### Objective

This report is prepared on behalf of *SZ DJI Osmo Technology Co.,Ltd.* in accordance with FCC Part 15B Part 2, Part J, and Part 15, Subpart A and B of the Federal Communications Commission's rules..

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15 B Class B.

### Related Submittal(s)/Grant(s)

FCC submissions with Part 15C DSS, FCC ID: 2ANDR-P1F11803.

FCC submissions with Part 15E NII, FCC ID: 2ANDR-P1F11803.

Part of system submissions with FCC ID: 2ANDR-R21708.

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

### Measurement Uncertainty

| Parameter                         | Measurement Uncertainty                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------|
| Unwanted Emissions, radiated      | 30M~200MHz: 4.55 dB, 200M~1GHz:<br>5.92 dB, 1G~6GHz: 4.98 dB, 6G~18GHz:<br>5.89 dB, 18G~26.5G: 5.47 dB |
| Temperature                       | ±1°C                                                                                                   |
| Humidity                          | ±5%                                                                                                    |
| AC Power Lines Conducted Emission | 3.12 dB (150 kHz to 30 MHz)                                                                            |

### **Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218,the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user) as below, that was provided manufacturer.

Test mode 1:

USB Charging and Operating: Charging the EUT by USB adapter and Operating the Aircraft.

Test mode 2:

DC Port Charging and Operating: Charging the EUT by battery via DC power port, discharging via DC output port and Operating the Aircraft.

### Equipment Modifications

No modification was made to the EUT.

### EUT Exercise Software

No software was used during test.

### Support Equipment List and Details

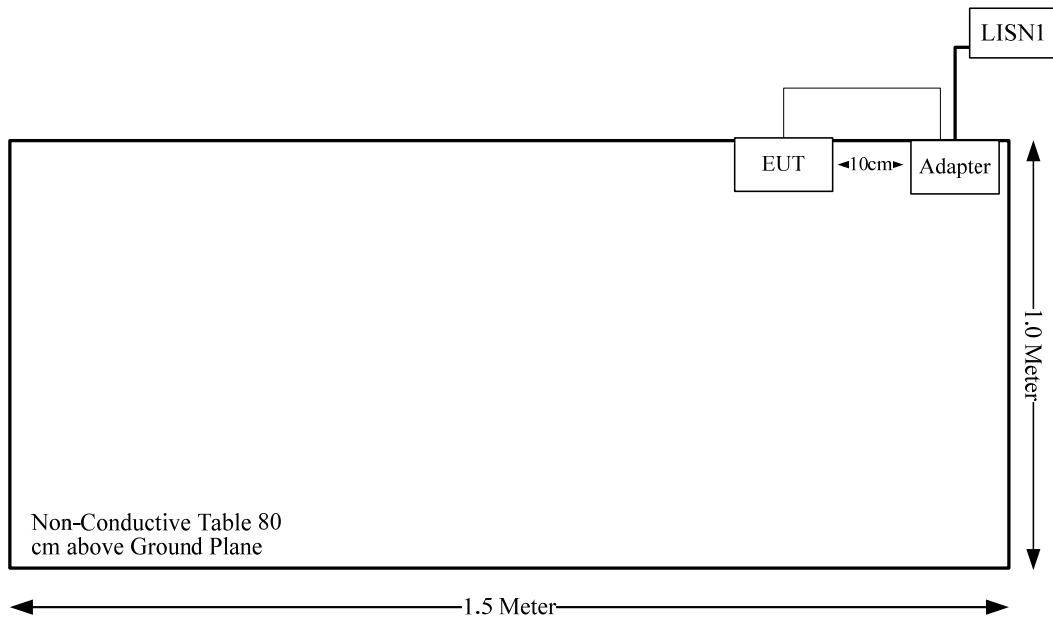
| Manufacturer | Description          | Model        | Serial Number      |
|--------------|----------------------|--------------|--------------------|
| DJI          | Battery              | TB47S        | TB47S-4500-22.2-6S |
| HUAWEI       | Adapter              | HW-050000C01 | N/A                |
| DJI          | RONIN2               | R2           | N/A                |
| N/A          | Cement Resistor Load | 5 ohm        | N/A                |

### Support Cable List and Details

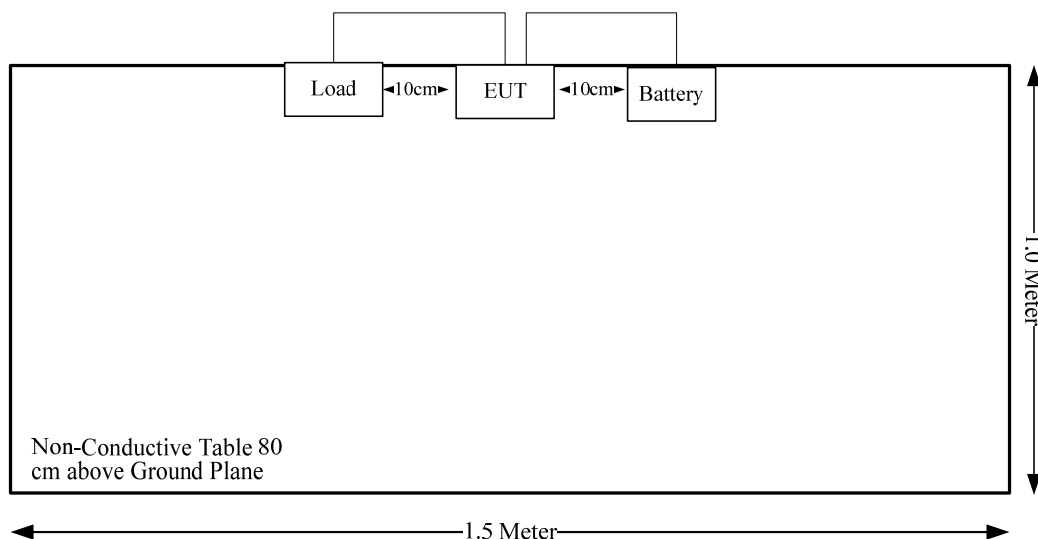
| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To   |
|-------------------|----------------|--------------|------------|-----------|------|
| USB Cable         | Yes            | No           | 1.2        | Adapter   | EUT  |
| DC Cable          | Yes            | No           | 1.0        | Battery   | EUT  |
| DC Cable          | Yes            | No           | 1.0        | EUT       | Load |

## Block Diagram of Test Setup

USB Charging and Operating:



DC port Charging and Operating:

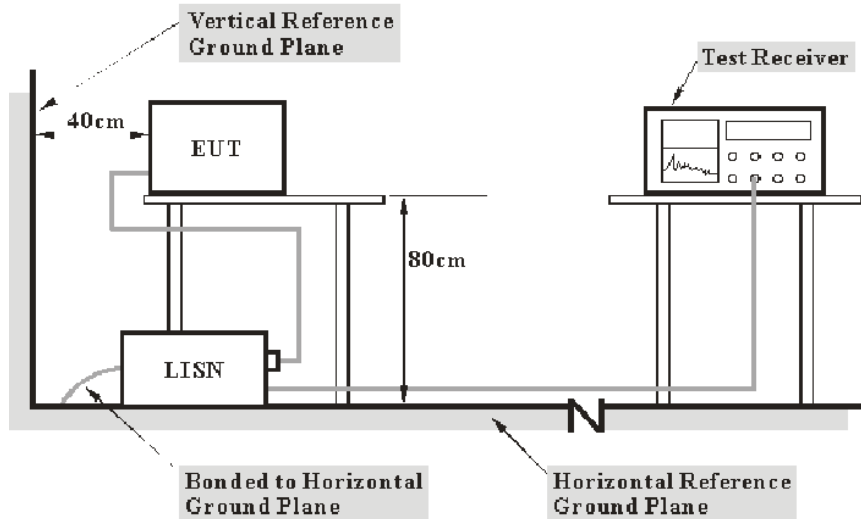


SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Results   |
|-----------|---------------------|-----------|
| §15.107   | Conducted Emissions | Compliant |
| §15.109   | Radiated Emissions  | Compliant |

## FCC PART 15B §15.107 – CONDUCTED EMISSIONS

### EUT Setup



Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

### Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.



### Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:

Corr. = Cable loss + Factor of coupling device

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Result

### Test Equipment List and Details

| Manufacturer | Description        | Model     | Serial Number | Calibration Date | Calibration Due Date |
|--------------|--------------------|-----------|---------------|------------------|----------------------|
| R&S          | EMI Test Receiver  | ESCS 30   | 830245/006    | 2017-12-11       | 2018-12-11           |
| R&S          | L.I.S.N            | ESH2-Z5   | 892107/021    | 2017-09-25       | 2018-09-25           |
| R&S          | Two-line V-network | ENV 216   | 101614        | 2017-12-08       | 2018-12-08           |
| N/A          | Coaxial Cable      | C-NJNJ-50 | C-0200-01     | 2017-09-05       | 2018-09-05           |
| R&S          | Test Software      | EMC32     | Version8.53.0 | N/A              | N/A                  |

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

### Test Data

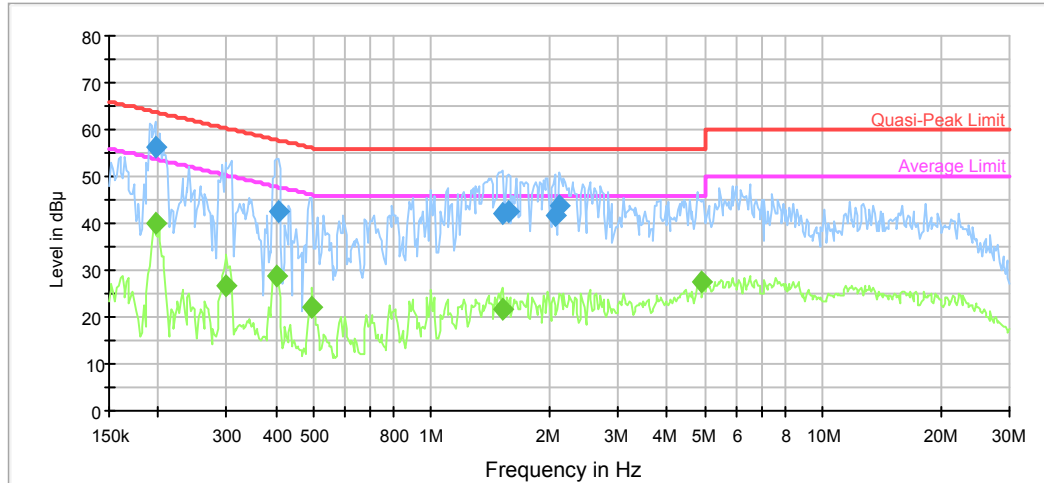
#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 26.8 °C     |
| Relative Humidity: | 47 %        |
| ATM Pressure:      | 101.1.8 kPa |

*The testing was performed by Jim Zhang on 2018-04-03.*

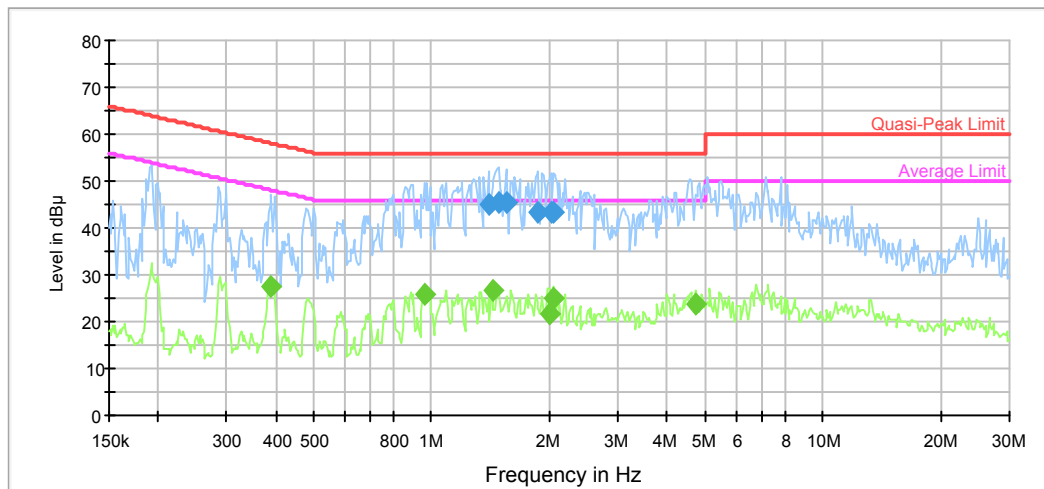
Test Mode: USB Charging and Operating

AC120 V, 60 Hz, Line:



| Frequency (MHz) | QuasiPeak (dBμV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment    |
|-----------------|------------------|-----------------|------|------------|-------------|--------------|------------|
| 0.196675        | 56.4             | 9.000           | L1   | 10.7       | 7.3         | 63.7         | Compliance |
| 0.406123        | 42.6             | 9.000           | L1   | 10.0       | 15.2        | 57.7         | Compliance |
| 1.524426        | 42.0             | 9.000           | L1   | 9.7        | 14.0        | 56.0         | Compliance |
| 1.573796        | 42.6             | 9.000           | L1   | 9.7        | 13.4        | 56.0         | Compliance |
| 2.063510        | 41.8             | 9.000           | L1   | 9.7        | 14.2        | 56.0         | Compliance |
| 2.130339        | 43.6             | 9.000           | L1   | 9.7        | 12.4        | 56.0         | Compliance |

| Frequency (MHz) | Average (dBμV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment    |
|-----------------|----------------|-----------------|------|------------|-------------|--------------|------------|
| 0.196675        | 40.1           | 9.000           | L1   | 10.7       | 13.7        | 53.7         | Compliance |
| 0.300025        | 26.6           | 9.000           | L1   | 10.1       | 23.7        | 50.2         | Compliance |
| 0.402900        | 28.9           | 9.000           | L1   | 10.0       | 18.8        | 47.8         | Compliance |
| 0.495646        | 22.1           | 9.000           | L1   | 9.9        | 24.0        | 46.1         | Compliance |
| 1.524426        | 21.7           | 9.000           | L1   | 9.7        | 24.3        | 46.0         | Compliance |
| 4.879149        | 27.6           | 9.000           | L1   | 9.8        | 18.4        | 46.0         | Compliance |

**AC120 V, 60 Hz, Neutral:**

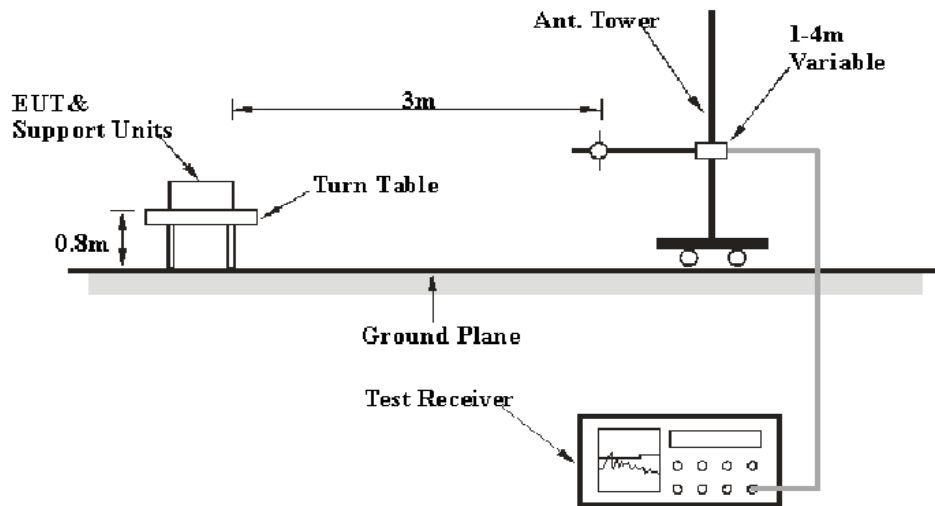
| Frequency (MHz) | QuasiPeak (dBμV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment    |
|-----------------|------------------|-----------------|------|------------|-------------|--------------|------------|
| 1.396499        | 45.2             | 9.000           | N    | 9.7        | 10.8        | 56.0         | Compliance |
| 1.488418        | 45.4             | 9.000           | N    | 9.7        | 10.6        | 56.0         | Compliance |
| 1.548915        | 45.3             | 9.000           | N    | 9.7        | 10.7        | 56.0         | Compliance |
| 1.875341        | 43.2             | 9.000           | N    | 9.7        | 12.8        | 56.0         | Compliance |
| 2.014768        | 43.5             | 9.000           | N    | 9.8        | 12.5        | 56.0         | Compliance |
| 2.047133        | 43.2             | 9.000           | N    | 9.8        | 12.8        | 56.0         | Compliance |

| Frequency (MHz) | Average (dBμV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment    |
|-----------------|----------------|-----------------|------|------------|-------------|--------------|------------|
| 0.390261        | 27.4           | 9.000           | N    | 10.0       | 20.7        | 48.1         | Compliance |
| 0.960275        | 25.7           | 9.000           | N    | 9.8        | 20.3        | 46.0         | Compliance |
| 1.430284        | 26.6           | 9.000           | N    | 9.7        | 19.4        | 46.0         | Compliance |
| 1.998778        | 21.8           | 9.000           | N    | 9.7        | 24.2        | 46.0         | Compliance |
| 2.047133        | 25.1           | 9.000           | N    | 9.8        | 20.9        | 46.0         | Compliance |
| 4.726090        | 23.7           | 9.000           | N    | 9.8        | 22.3        | 46.0         | Compliance |

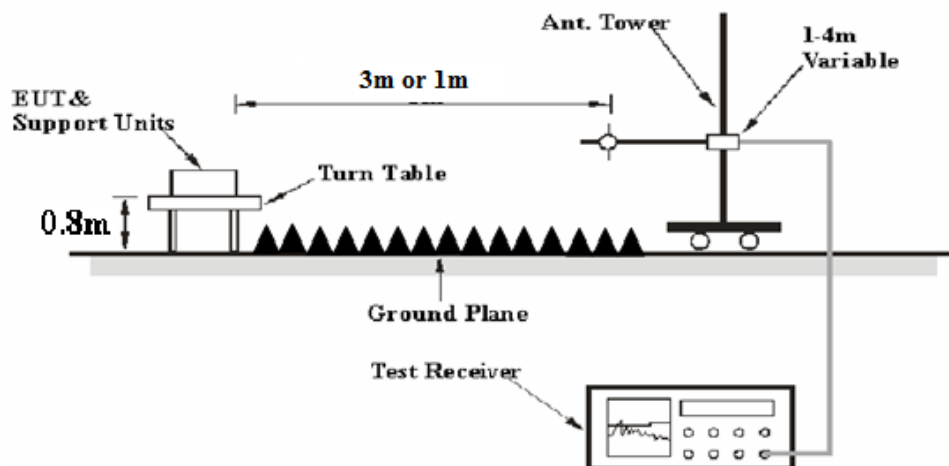
## FCC PART 15B §15.109-RADIATED EMISSIONS

### EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters Test Site A and B, 1GHz-26.5GHz were performed at the 3 m distance and 26.5-40GHz was performed at 1 m distance, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

### EMI Test Receiver Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

| Frequency Range   | RBW     | Video B/W | IF B/W  | Measurement |
|-------------------|---------|-----------|---------|-------------|
| 30 MHz – 1000 MHz | 120 kHz | 300 kHz   | 120 kHz | QP          |
| Above 1 GHz       | 1 MHz   | 3 MHz     | /       | Peak        |
|                   | 1 MHz   | 10Hz      | /       | AVG         |

### Test Procedure

During the radiated emissions, the adapter of laptop was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

According to C63.4, the above 1G test result shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1 m

Distance extrapolation factor =  $20 \log (\text{specific distance [3m]}/\text{test distance [1m]})$  dB = 9.54 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

**Test Equipment List and Details**

| Manufacturer          | Description       | Model                      | Serial Number      | Calibration Date | Calibration Due Date |
|-----------------------|-------------------|----------------------------|--------------------|------------------|----------------------|
| R&S                   | EMI Test Receiver | ESCI                       | 100224             | 2017-12-11       | 2018-12-11           |
| Sunol Sciences        | Antenna           | JB3                        | A060611-1          | 2017-11-10       | 2020-11-10           |
| HP                    | Amplifier         | 8447D                      | 2727A05902         | 2017-09-05       | 2018-09-05           |
| Agilent               | Spectrum Analyzer | E4440A                     | SG43360054         | 2017-12-08       | 2018-12-08           |
| ETS-Lindgren          | Horn Antenna      | 3115                       | 000 527 35         | 2016-01-05       | 2019-01-04           |
| MITEQ                 | Amplifier         | AFS42-00101800-2<br>5-S-42 | 2001271            | 2017-09-05       | 2018-09-05           |
| Unknown               | Coaxial Cable     | C-NJNJ-50                  | C-0400-01          | 2017-09-05       | 2018-09-05           |
| Unknown               | Coaxial Cable     | C-NJNJ-50                  | C-0075-01          | 2017-09-05       | 2018-09-05           |
| Unknown               | Coaxial Cable     | C-NJNJ-50                  | C-1000-01          | 2017-09-05       | 2018-09-05           |
| Unknown               | Coaxial Cable     | C-2.4J2.4J-50              | C-0700-02          | 2017-06-27       | 2018-06-27           |
| Farad                 | Test Software     | EZ-EMC                     | V1.1.4.2           | N/A              | N/A                  |
| Ducommun Technologies | Horn Antenna      | ARH-2823-02                | 1007726-01<br>1302 | 2016-11-18       | 2019-11-18           |
| Ducommun Technologies | Horn Antenna      | ARH-4223-02                | 1007726-01<br>1304 | 2016-11-18       | 2019-11-18           |
| Quinstar              | Amplifier         | QLW-18405536-JO            | 15964001001        | 2017-06-27       | 2018-06-27           |
| R&S                   | Spectrum Analyzer | FSP 38                     | 100478             | 2017-12-08       | 2018-12-08           |

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading+ Corrected

Note:

Corrected = Antenna Factor + Cable Loss - Amplifier Gain

or

Corrected = Antenna Factor + Cable Loss- Amplifier Gain+ Distance extrapolation factor

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

## Test Data

### Environmental Conditions

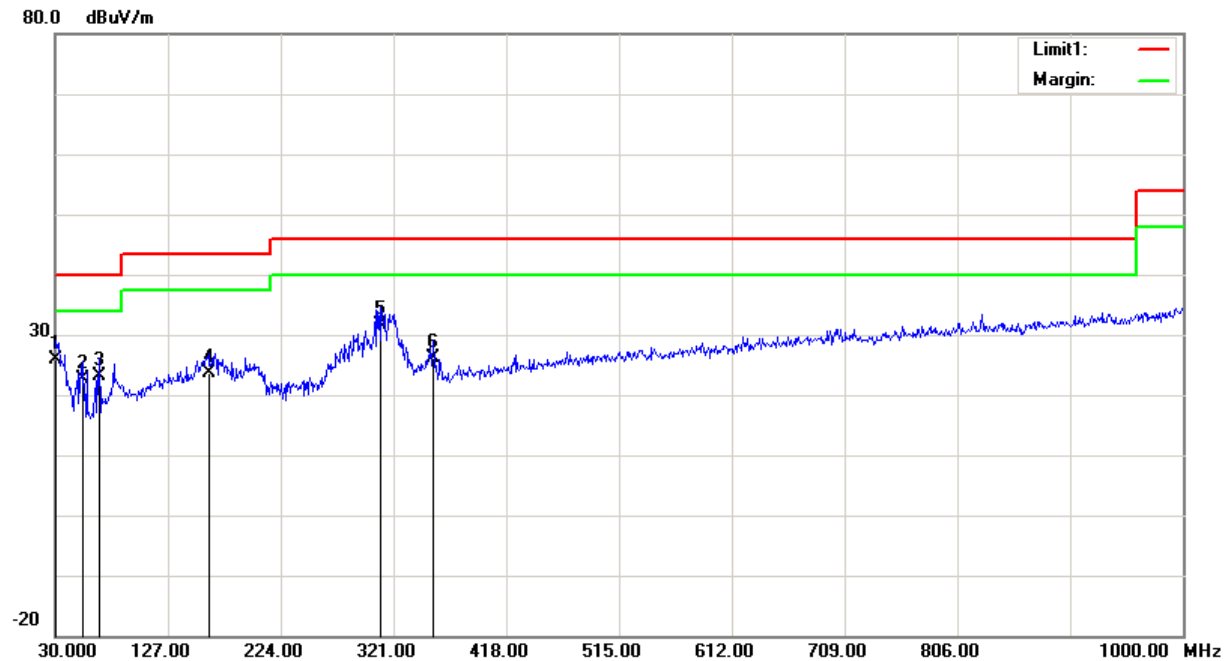
|                           |                   |
|---------------------------|-------------------|
| <b>Temperature:</b>       | 22.6 ~ 25.1 °C    |
| <b>Relative Humidity:</b> | 30 %              |
| <b>ATM Pressure:</b>      | 100.8 ~ 100.9 kPa |

*\* The testing was performed by Vern Shen & Steve Zuo on 2018-03-28 & 2018-03-29.*

Please refer to following table and plots:

Condition: FCC Class B 3M Radiation  
EUT: Force Pro  
Model: P1F1  
Test Mode: USB Charging and Operating  
Note:

Polarization: Horizontal  
Power: AC 120V/60Hz  
Distance: 3m

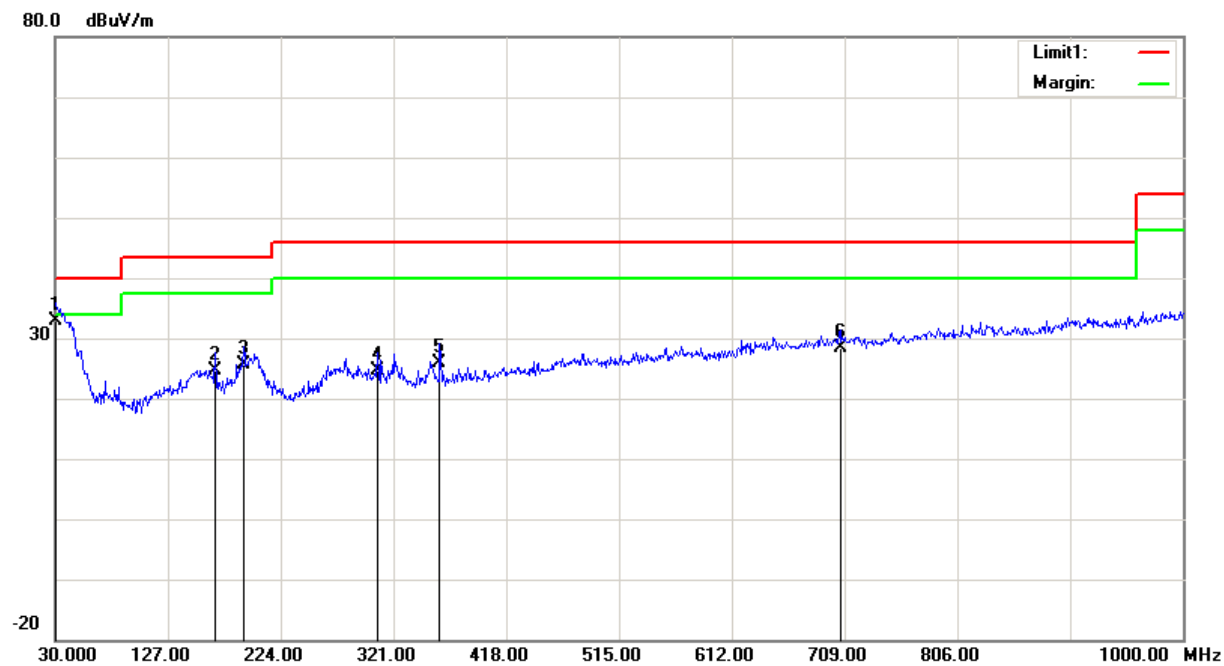


| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Detector | Corrected<br>dB/m | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 30.9700            | 25.19             | QP       | 0.81              | 26.00              | 40.00             | 14.00          |
| 2   | 53.2800            | 34.64             | QP       | -12.04            | 22.60              | 40.00             | 17.40          |
| 3   | 67.8300            | 34.70             | QP       | -11.60            | 23.10              | 40.00             | 16.90          |
| 4   | 161.9200           | 29.92             | QP       | -6.22             | 23.70              | 43.50             | 19.80          |
| 5   | 310.3300           | 35.44             | QP       | -3.84             | 31.60              | 46.00             | 14.40          |
| 6   | 354.9500           | 29.10             | QP       | -3.00             | 26.10              | 46.00             | 19.90          |



**Condition:** FCC Class B 3M Radiation  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

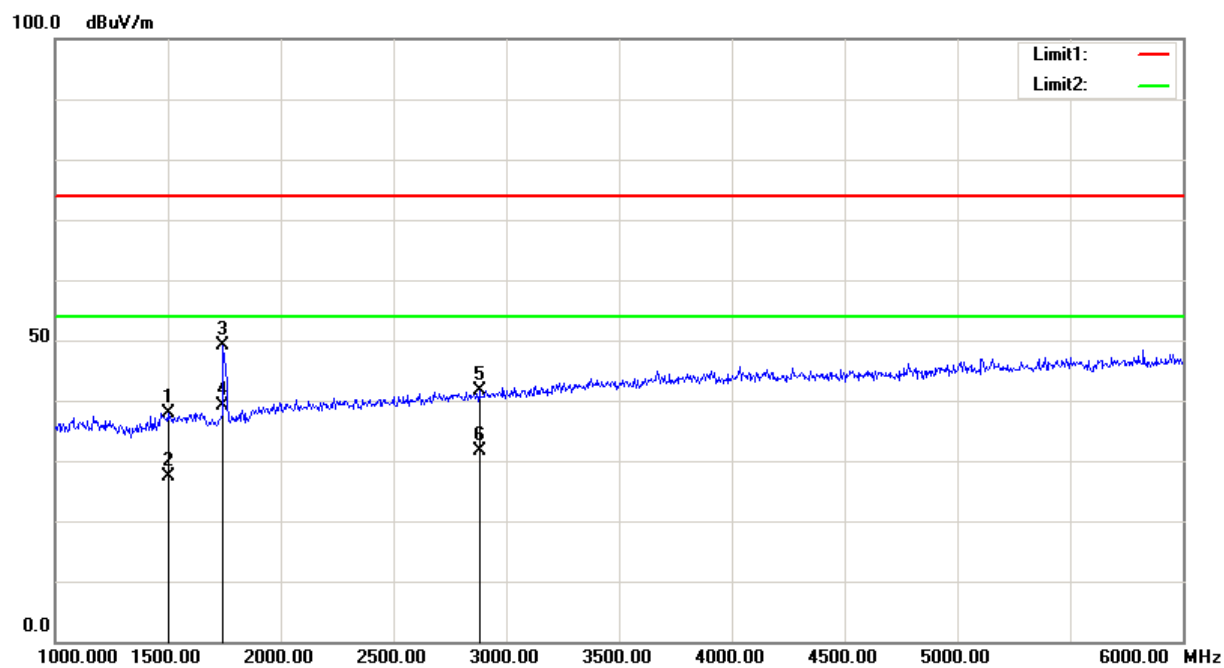
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Corrected<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 30.0000            | 31.36             | QP       | 1.54              | 32.90              | 40.00             | 7.10           |
| 2   | 167.7400           | 31.16             | QP       | -6.56             | 24.60              | 43.50             | 18.90          |
| 3   | 191.9900           | 32.82             | QP       | -7.22             | 25.60              | 43.50             | 17.90          |
| 4   | 307.4200           | 28.49             | QP       | -3.89             | 24.60              | 46.00             | 21.40          |
| 5   | 360.7700           | 28.83             | QP       | -2.83             | 26.00              | 46.00             | 20.00          |
| 6   | 705.1200           | 25.05             | QP       | 3.35              | 28.40              | 46.00             | 17.60          |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

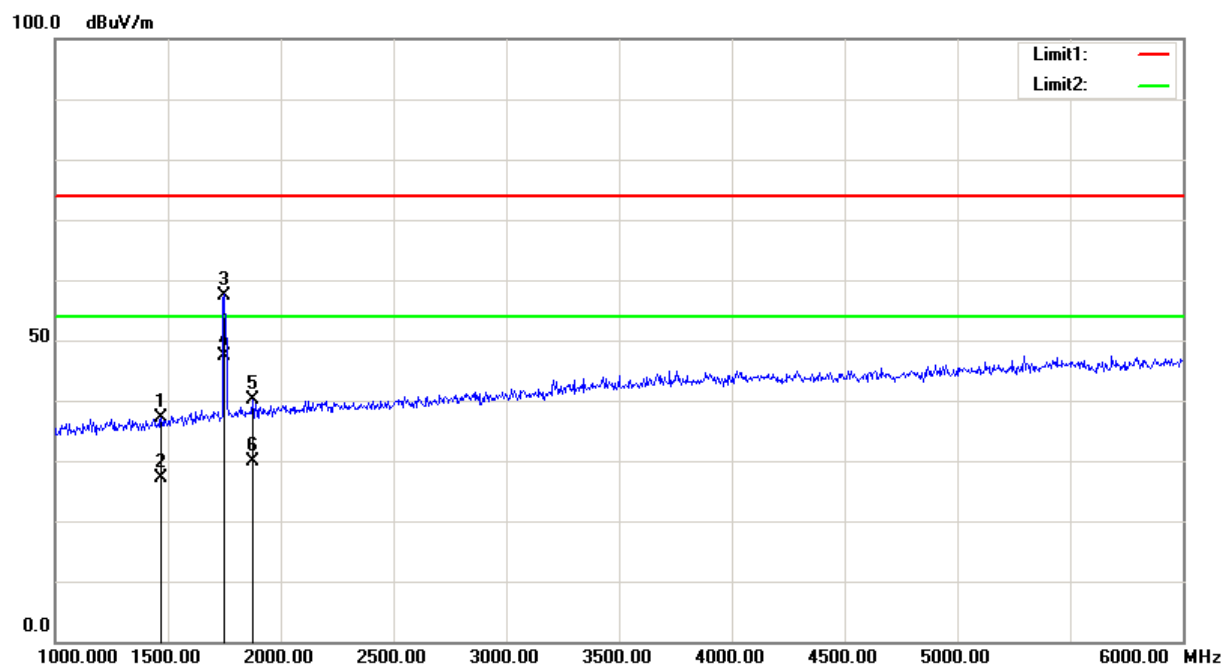
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 1502.500           | 46.94                   | peak     | -9.11             | 37.83                    | 74.00                   | 36.17          |
| 2   | 1502.500           | 36.56                   | AVG      | -9.11             | 27.45                    | 54.00                   | 26.55          |
| 3   | 1747.500           | 57.20                   | peak     | -8.14             | 49.06                    | 74.00                   | 24.94          |
| 4   | 1747.500           | 47.26                   | AVG      | -8.14             | 39.12                    | 54.00                   | 14.88          |
| 5   | 2882.500           | 46.81                   | peak     | -5.23             | 41.58                    | 74.00                   | 32.42          |
| 6   | 2882.500           | 36.79                   | AVG      | -5.23             | 31.56                    | 54.00                   | 22.44          |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

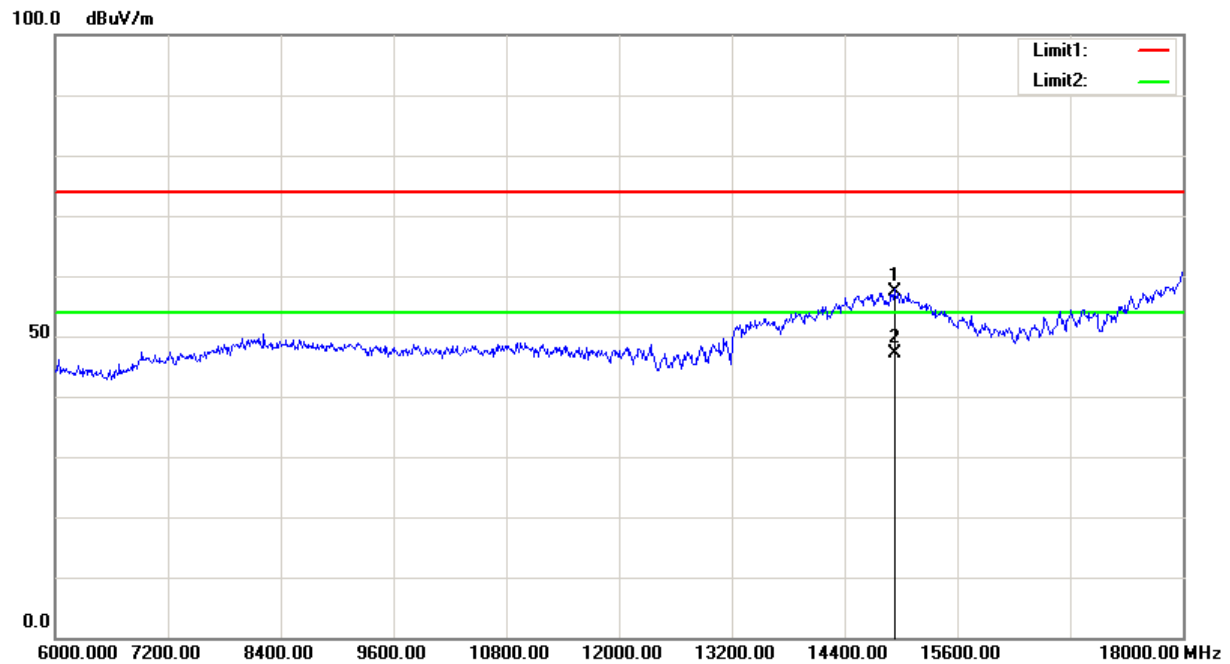
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 1470.000           | 46.44                   | peak     | -9.24             | 37.20                    | 74.00                   | 36.80          |
| 2   | 1470.000           | 36.37                   | AVG      | -9.24             | 27.13                    | 54.00                   | 26.87          |
| 3   | 1750.000           | 65.62                   | peak     | -8.12             | 57.50                    | 74.00                   | 16.50          |
| 4   | 1750.000           | 55.43                   | AVG      | -8.12             | 47.31                    | 54.00                   | 6.69           |
| 5   | 1875.000           | 47.66                   | peak     | -7.60             | 40.06                    | 74.00                   | 33.94          |
| 6   | 1875.000           | 37.58                   | AVG      | -7.60             | 29.98                    | 54.00                   | 24.02          |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

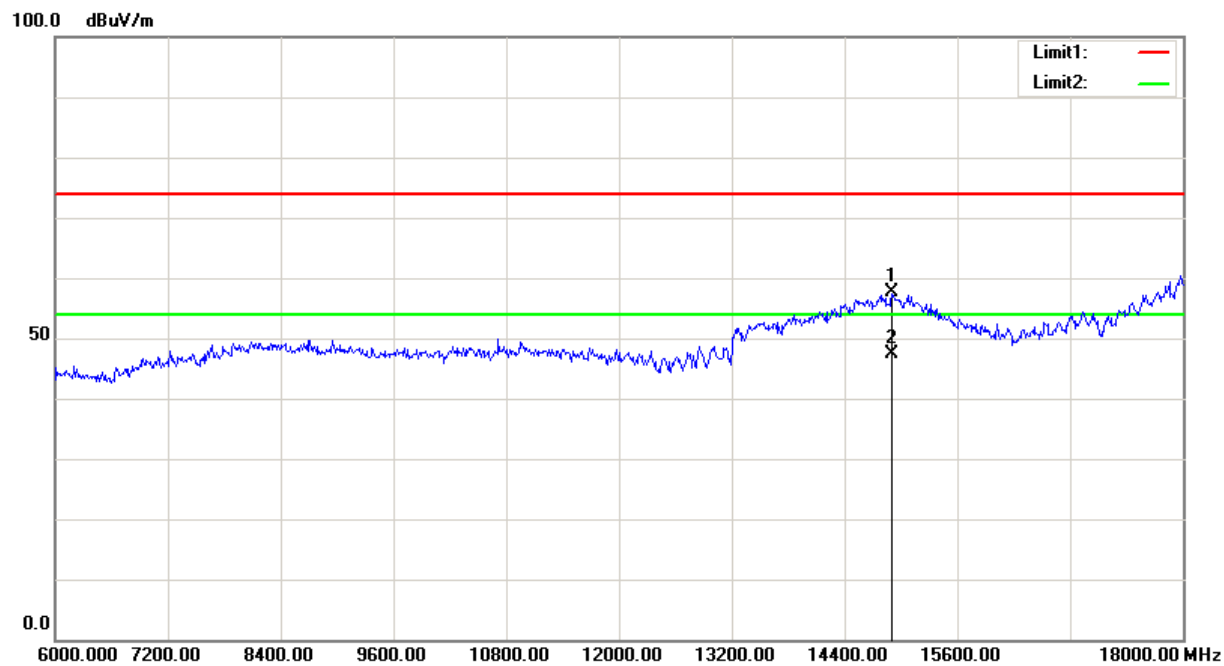
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 14928.000          | 47.53                   | peak     | 9.95              | 57.48                    | 74.00                   | 16.52          |
| 2   | 14928.000          | 37.26                   | AVG      | 9.95              | 47.21                    | 54.00                   | 6.79           |

Condition: FCC Part 15 Class B  
 EUT: Force Pro  
 Model: P1F1  
 Test Mode: USB Charging and Operating  
 Note:

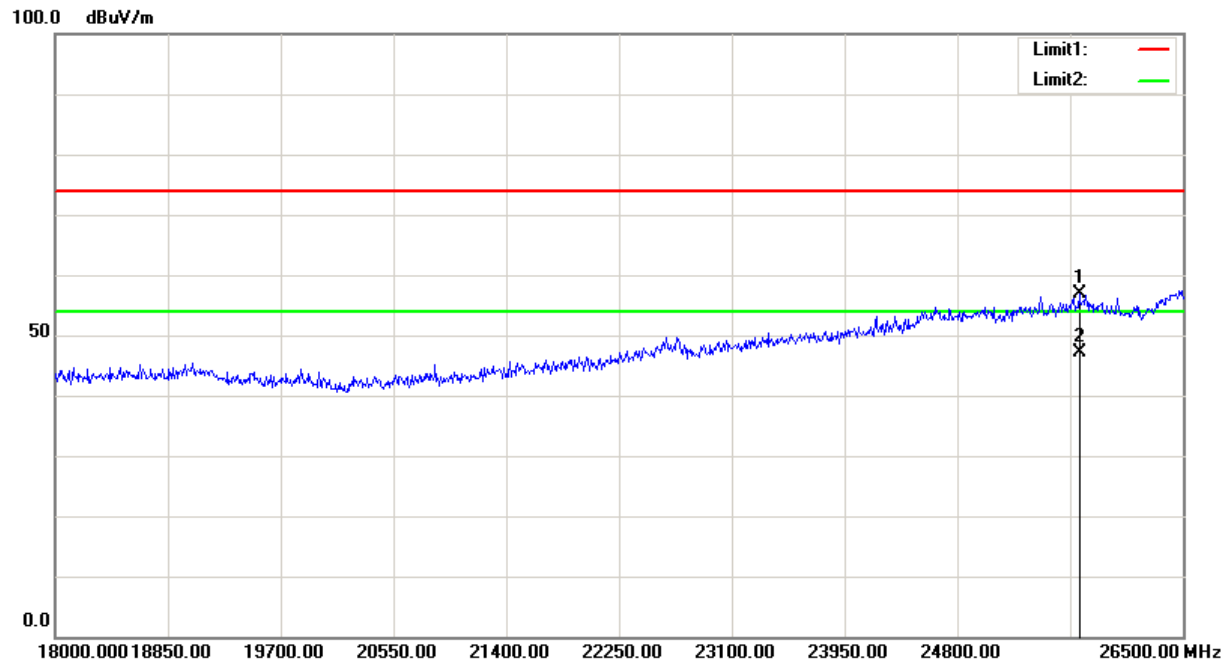
Polarization: Vertical  
 Power: AC 120V/60Hz  
 Distance: 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Detector | Corrected<br>dB/m | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 14904.000          | 47.54             | peak     | 9.98              | 57.52              | 74.00             | 16.48          |
| 2   | 14904.000          | 37.39             | AVG      | 9.98              | 47.37              | 54.00             | 6.63           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

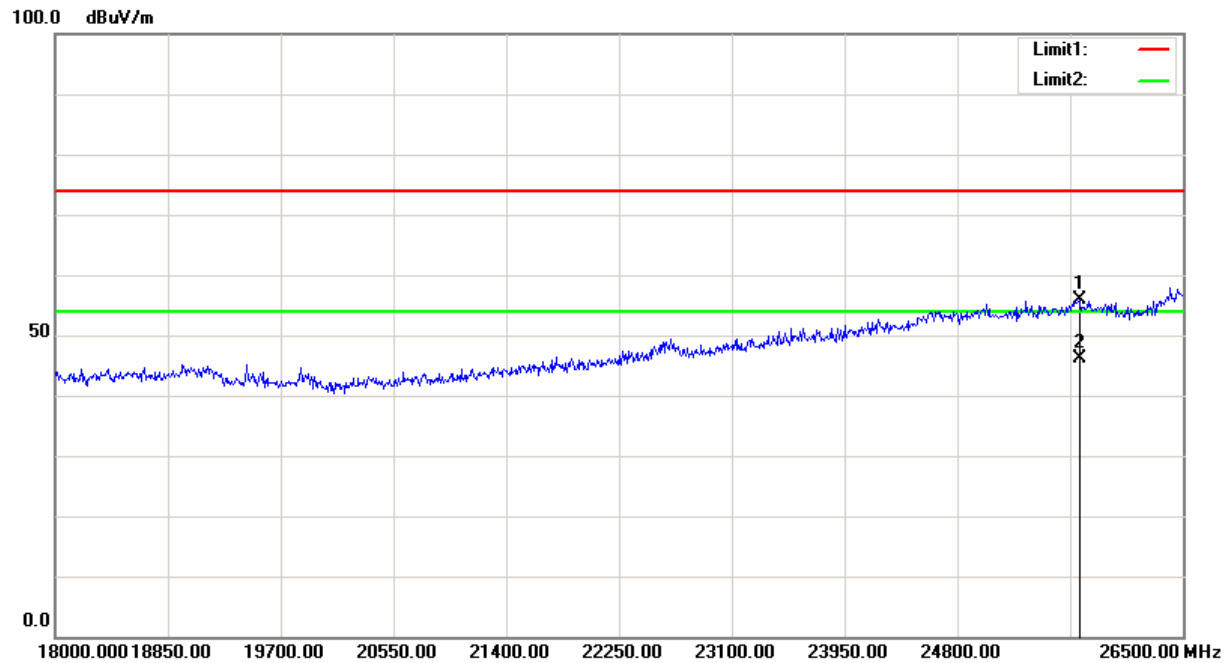
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 25722.250          | 37.29                   | peak     | 19.51             | 56.80                    | 74.00                   | 17.20          |
| 2   | 25722.250          | 27.58                   | AVG      | 19.51             | 47.09                    | 54.00                   | 6.91           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

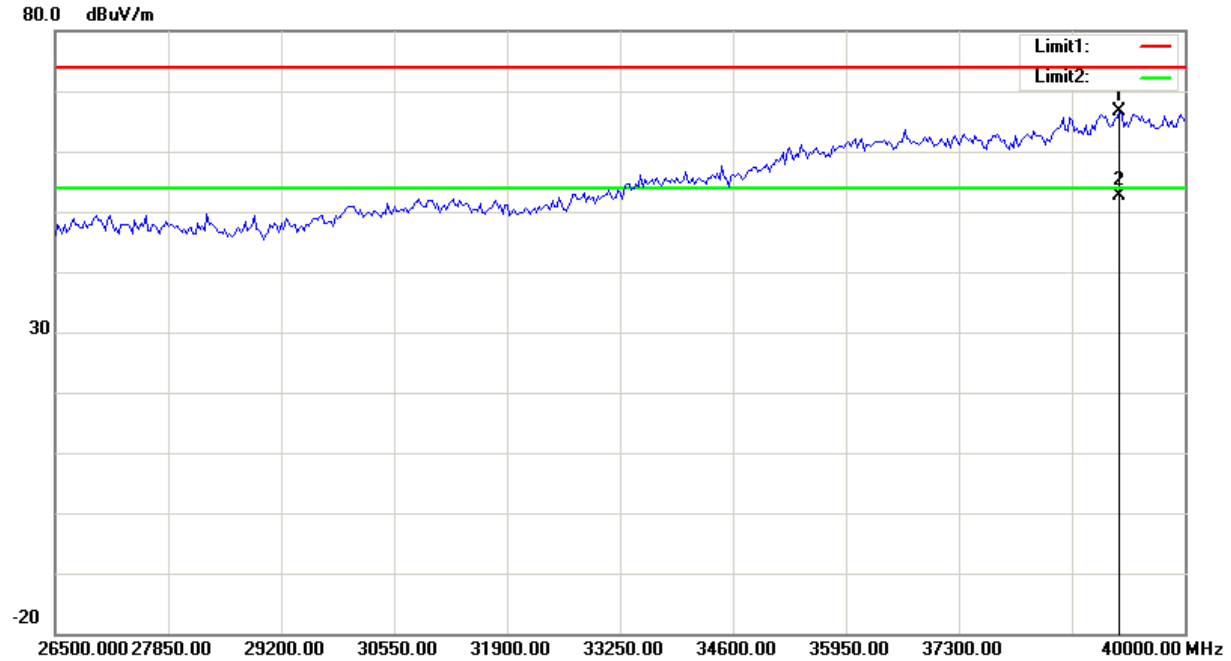
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Detector | Corrected<br>dB/m | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 25718.000          | 36.48             | peak     | 19.51             | 55.99              | 74.00             | 18.01          |
| 2   | 25718.000          | 26.57             | AVG      | 19.51             | 46.08              | 54.00             | 7.92           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1.0m

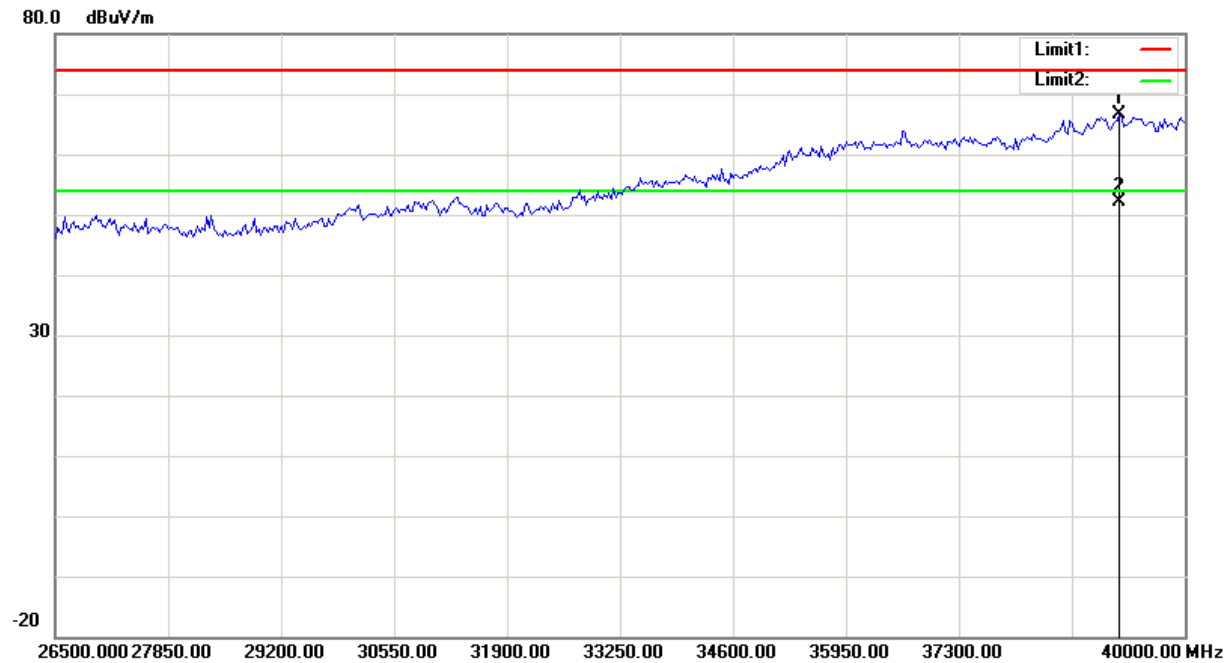


| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 39217.000          | 50.59                   | peak     | 15.94             | 66.53                    | 74.00                   | 7.47           |
| 2   | 39217.000          | 36.75                   | AVG      | 15.94             | 52.69                    | 54.00                   | 1.31           |



**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** USB Charging and Operating  
**Note:**

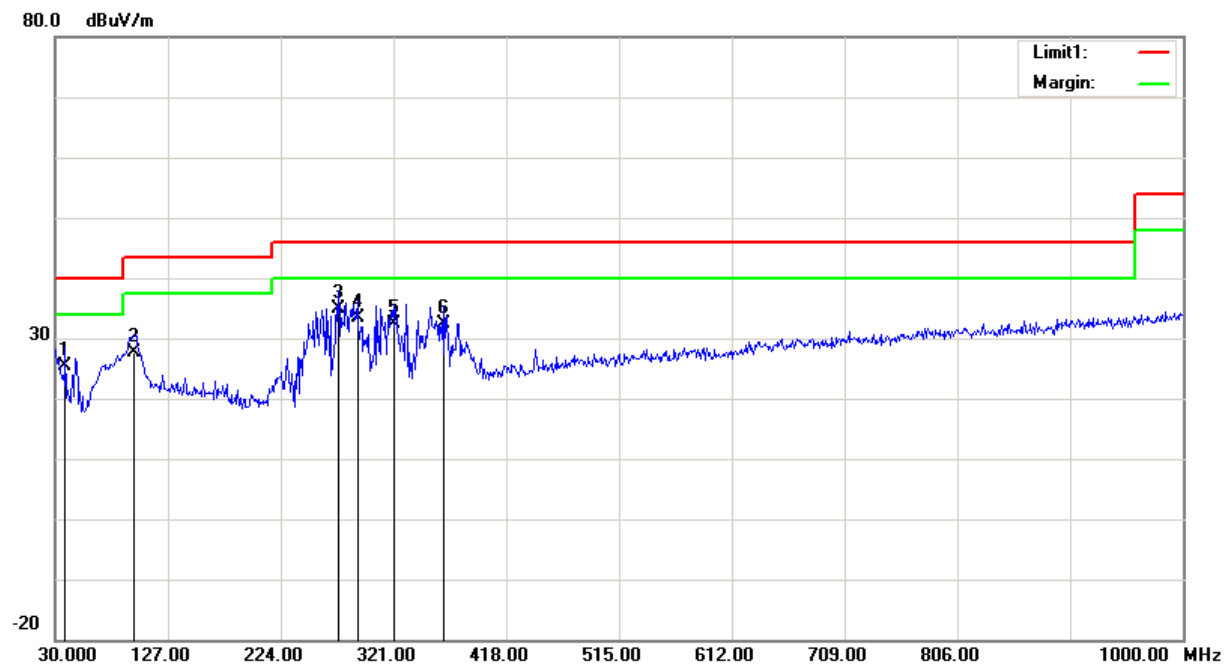
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 39217.000          | 50.59                   | peak     | 15.94             | 66.53                    | 74.00                   | 7.47           |
| 2   | 39217.000          | 36.20                   | AVG      | 15.94             | 52.14                    | 54.00                   | 1.86           |

**Condition:** FCC Class B 3M Radiation  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

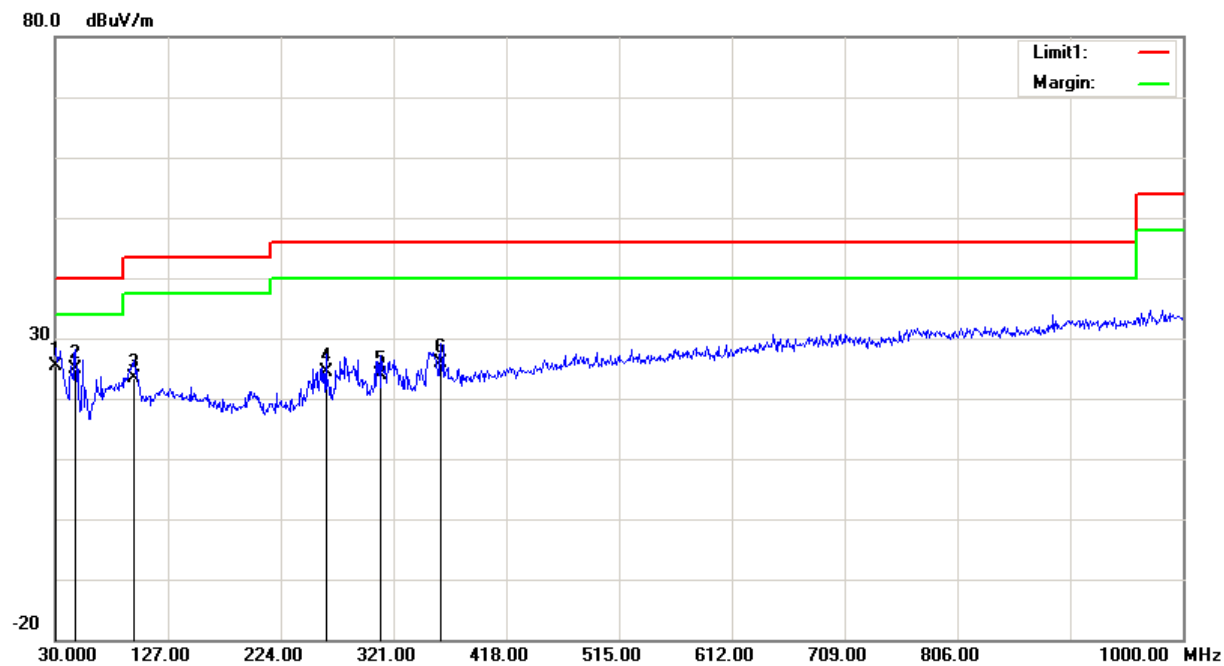
**Polarization:** Horizontal  
**Power:** DC 3.85V  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Corrected<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 38.7300            | 30.46             | QP       | -4.96             | 25.50              | 40.00             | 14.50          |
| 2   | 97.9000            | 37.22             | QP       | -9.62             | 27.60              | 43.50             | 15.90          |
| 3   | 273.4700           | 39.06             | QP       | -4.16             | 34.90              | 46.00             | 11.10          |
| 4   | 289.9600           | 37.33             | QP       | -4.03             | 33.30              | 46.00             | 12.70          |
| 5   | 321.0000           | 36.10             | QP       | -3.60             | 32.50              | 46.00             | 13.50          |
| 6   | 363.6800           | 35.19             | QP       | -2.79             | 32.40              | 46.00             | 13.60          |

**Condition:** FCC Class B 3M Radiation  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

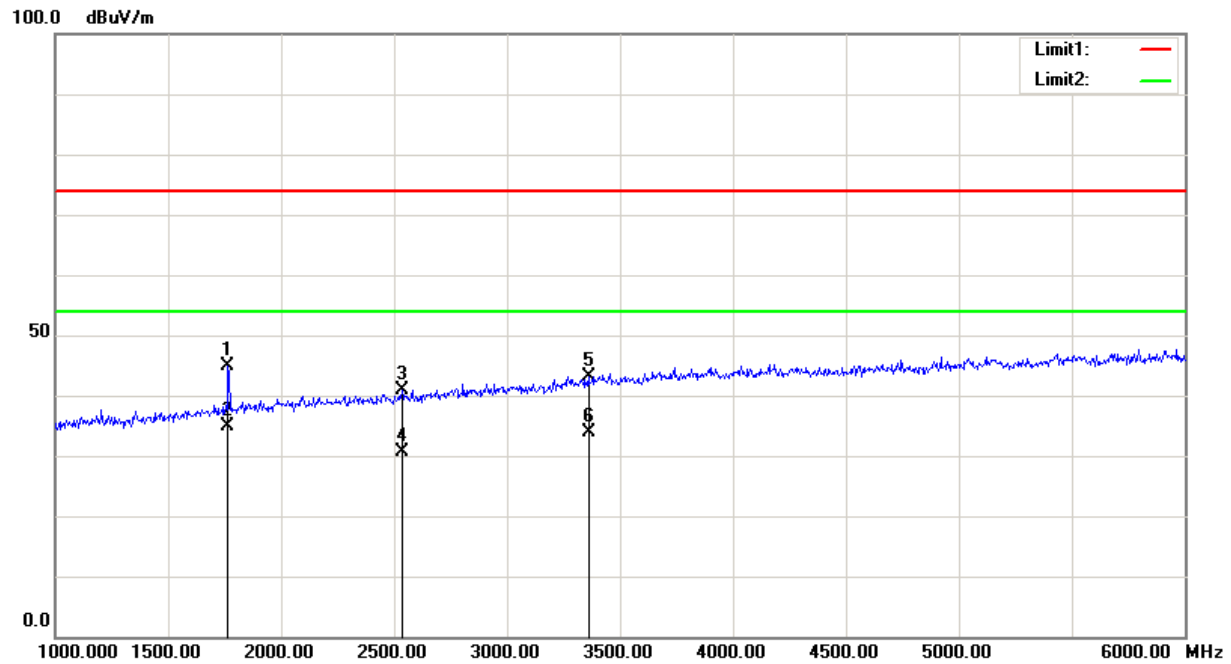
**Polarization:** Vertical  
**Power:** DC 3.85V  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Corrected<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 30.0000            | 23.86             | QP       | 1.54              | 25.40              | 40.00             | 14.60          |
| 2   | 47.4600            | 35.40             | QP       | -10.40            | 25.00              | 40.00             | 15.00          |
| 3   | 97.9000            | 33.02             | QP       | -9.62             | 23.40              | 43.50             | 20.10          |
| 4   | 262.8000           | 29.07             | QP       | -4.77             | 24.30              | 46.00             | 21.70          |
| 5   | 310.3300           | 27.84             | QP       | -3.84             | 24.00              | 46.00             | 22.00          |
| 6   | 361.7400           | 28.82             | QP       | -2.82             | 26.00              | 46.00             | 20.00          |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

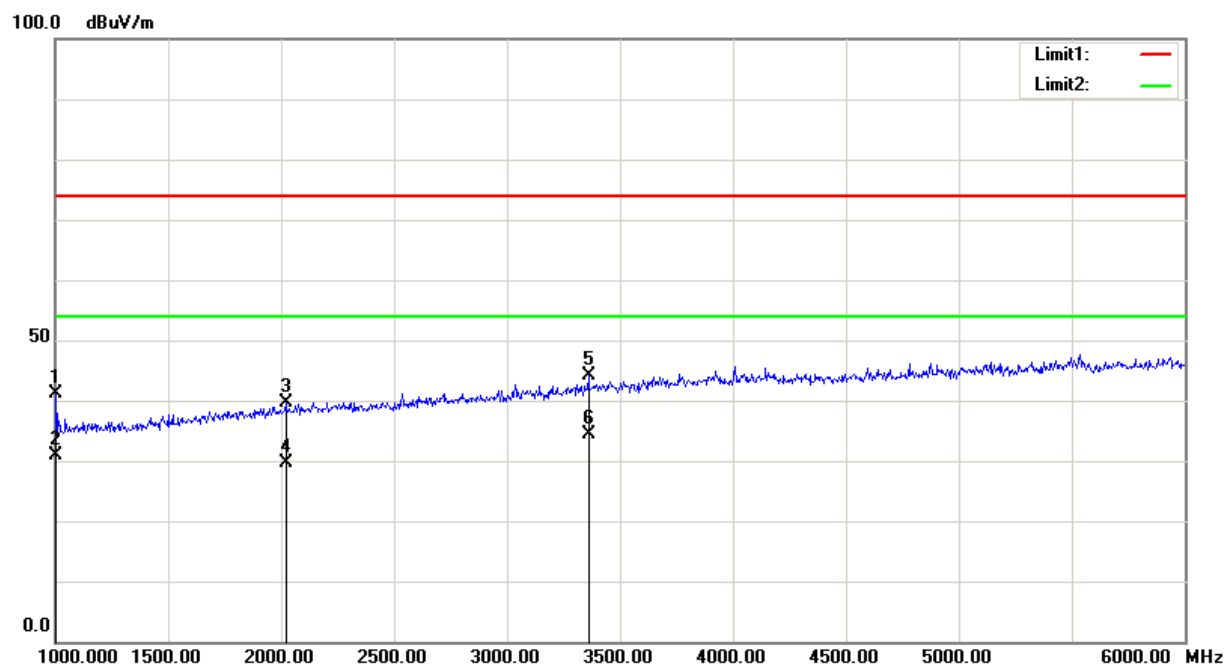
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 1767.500           | 52.93                   | peak     | -8.00             | 44.93                    | 74.00                   | 29.07          |
| 2   | 1767.500           | 42.87                   | AVG      | -8.00             | 34.87                    | 54.00                   | 19.13          |
| 3   | 2535.000           | 46.95                   | peak     | -6.08             | 40.87                    | 74.00                   | 33.13          |
| 4   | 2535.000           | 36.78                   | AVG      | -6.08             | 30.70                    | 54.00                   | 23.30          |
| 5   | 3362.500           | 46.80                   | peak     | -3.63             | 43.17                    | 74.00                   | 30.83          |
| 6   | 3362.500           | 37.46                   | AVG      | -3.63             | 33.83                    | 54.00                   | 20.17          |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

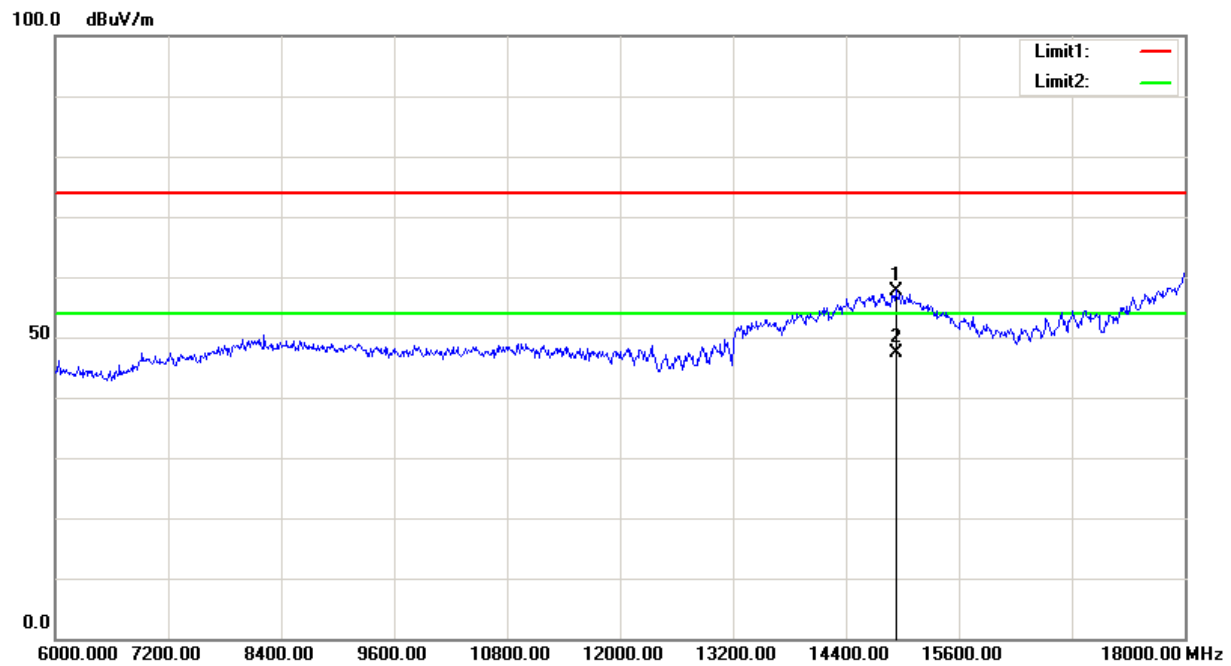
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 1005.000           | 51.84                   | peak     | -10.74            | 41.10                    | 74.00                   | 32.90          |
| 2   | 1005.000           | 41.69                   | AVG      | -10.74            | 30.95                    | 54.00                   | 23.05          |
| 3   | 2020.000           | 46.88                   | peak     | -7.14             | 39.74                    | 74.00                   | 34.26          |
| 4   | 2020.000           | 36.76                   | AVG      | -7.14             | 29.62                    | 54.00                   | 24.38          |
| 5   | 3362.500           | 47.85                   | peak     | -3.63             | 44.22                    | 74.00                   | 29.78          |
| 6   | 3362.500           | 37.92                   | AVG      | -3.63             | 34.29                    | 54.00                   | 19.71          |

Condition: FCC Part 15 Class B  
 EUT: Force Pro  
 Model: P1F1  
 Test Mode: DC port Charging and Operating  
 Note:

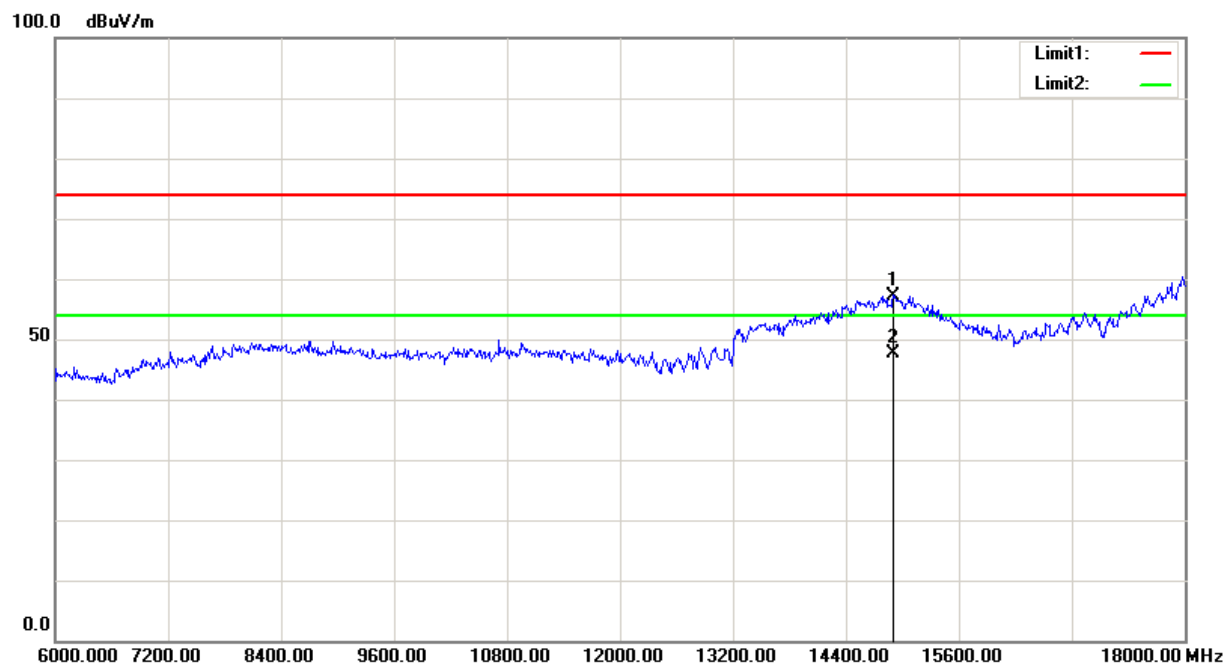
Polarization: Horizontal  
 Power: AC 120V/60Hz  
 Distance: 3m



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Corrected<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 14928.000          | 47.69             | peak     | 9.95              | 57.64              | 74.00             | 16.36          |
| 2   | 14928.000          | 37.46             | AVG      | 9.95              | 47.41              | 54.00             | 6.59           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

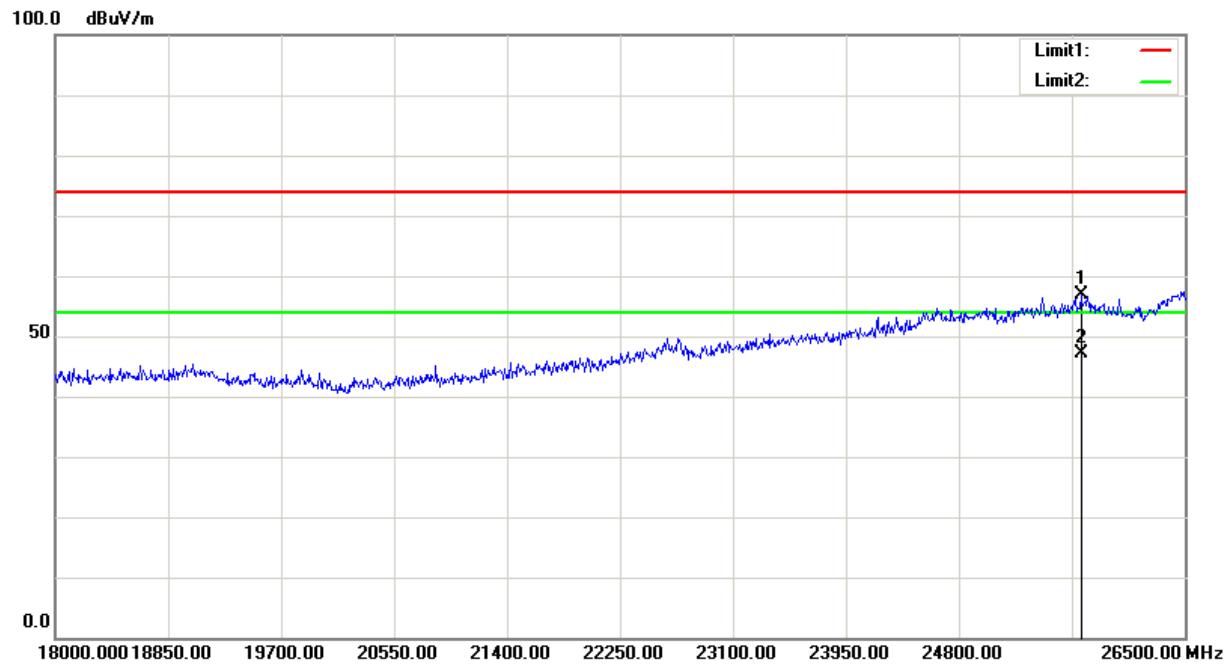
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 14904.000          | 47.26                   | peak     | 9.98              | 57.24                    | 74.00                   | 16.76          |
| 2   | 14904.000          | 37.54                   | AVG      | 9.98              | 47.52                    | 54.00                   | 6.48           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 3m

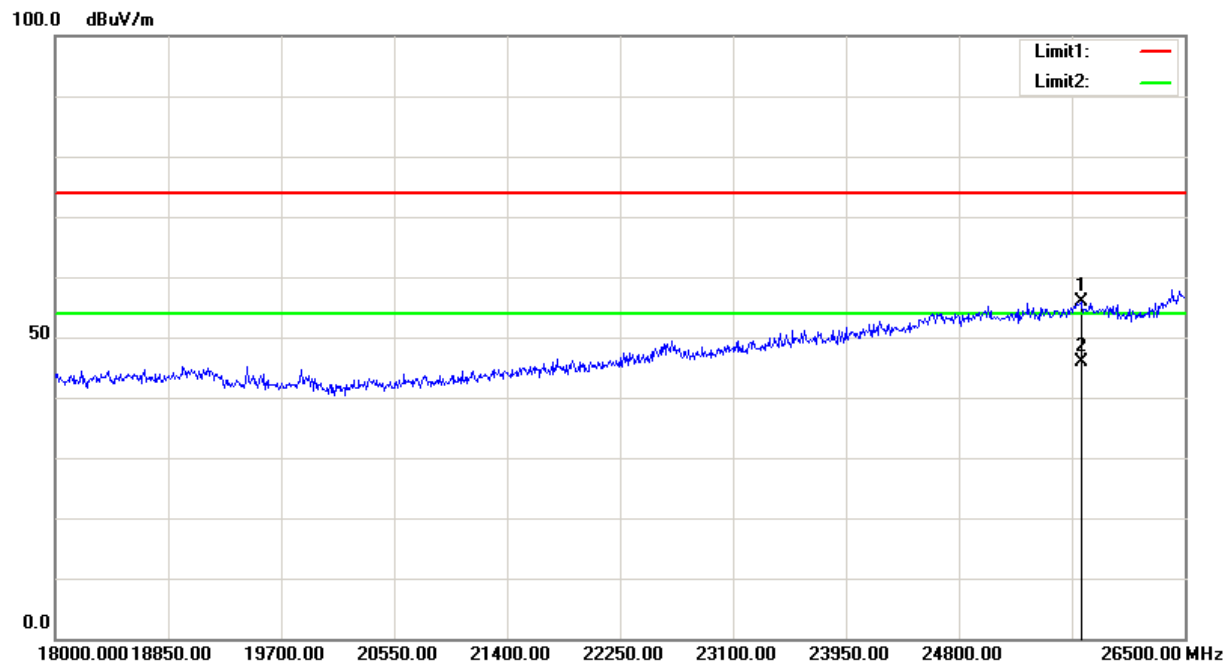


| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 25722.250          | 37.43                   | peak     | 19.51             | 56.94                    | 74.00                   | 17.06          |
| 2   | 25722.250          | 27.57                   | AVG      | 19.51             | 47.08                    | 54.00                   | 6.92           |



**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

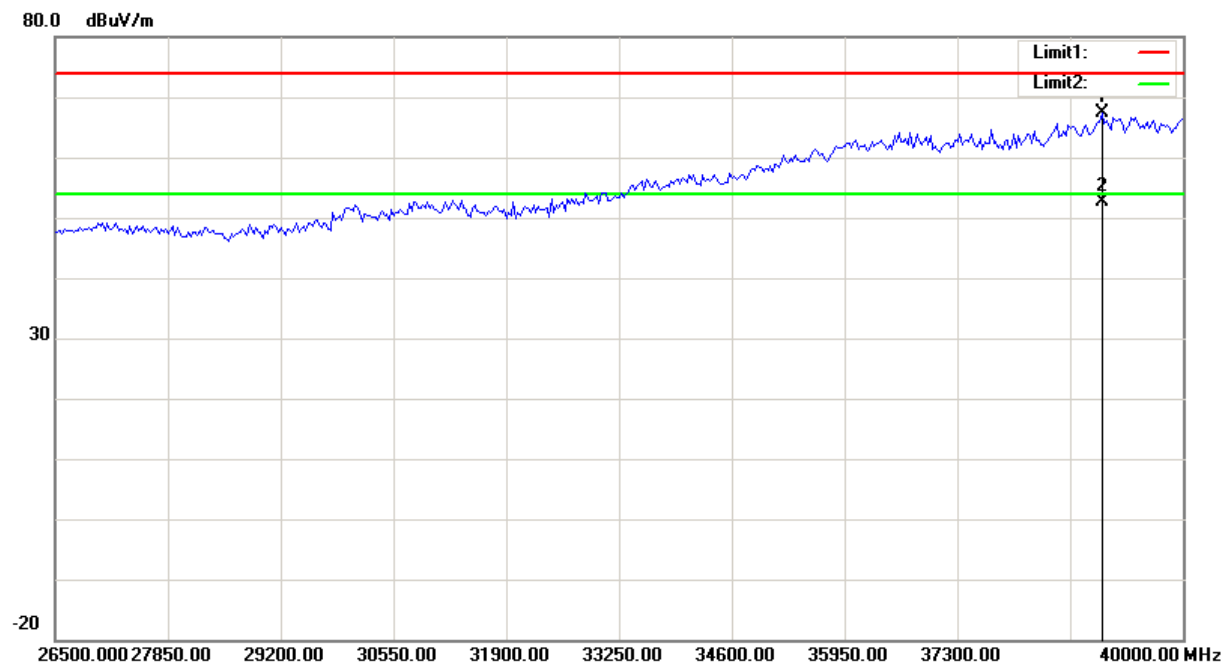
**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 3m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 25718.000          | 36.39                   | peak     | 19.51             | 55.90                    | 74.00                   | 18.10          |
| 2   | 25718.000          | 26.25                   | AVG      | 19.51             | 45.76                    | 54.00                   | 8.24           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

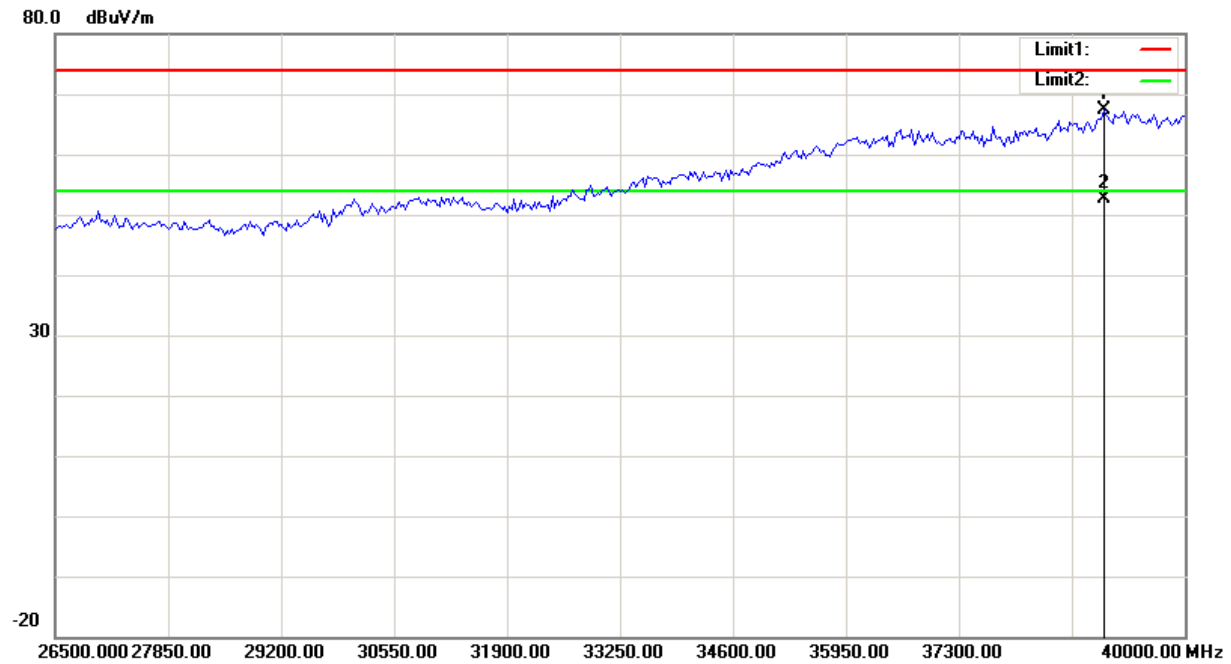
**Polarization:** Horizontal  
**Power:** AC 120V/60Hz  
**Distance:** 1.0m



| No. | Frequency<br>(MHz) | Reading<br>(dB $\mu$ V) | Detector | Corrected<br>dB/m | Result<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|-----|--------------------|-------------------------|----------|-------------------|--------------------------|-------------------------|----------------|
| 1   | 39028.000          | 51.17                   | peak     | 16.16             | 67.33                    | 74.00                   | 6.67           |
| 2   | 39028.000          | 36.47                   | AVG      | 16.16             | 52.63                    | 54.00                   | 1.37           |

**Condition:** FCC Part 15 Class B  
**EUT:** Force Pro  
**Model:** P1F1  
**Test Mode:** DC port Charging and Operating  
**Note:**

**Polarization:** Vertical  
**Power:** AC 120V/60Hz  
**Distance:** 1.0m



| No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Detector | Corrected<br>dB/m | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|-----|--------------------|-------------------|----------|-------------------|--------------------|-------------------|----------------|
| 1   | 39028.000          | 51.17             | peak     | 16.16             | 67.33              | 74.00             | 6.67           |
| 2   | 39028.000          | 36.58             | AVG      | 16.16             | 52.74              | 54.00             | 1.26           |

\*\*\*\*\*END OF REPORT\*\*\*\*\*