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National Technical Systems
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Date: 25 May 2016

Customer:
Getac Inc.
400 Exchange
Suite 100
Irvine, CA 92602
Purchase Order Number: PO#03211601

A. TESTS: Hero Emissions (RE102)

B. TEST ITEMS: Two (2) Tablets, P/N F110 S/N's RF539F0595, RF539F0597
One (1) Tablet RX10 S/N RG139R0076

C. SPECIFICATIONS:
1. MIL-STD-461F
2. ANSI NCSL Z540-1
3. ISO 17025:2005

D. RESULTS:

This is to certify that the Tablets were subjected to the above tests according to the above specifications.

See pages 7-10 for Summary of Test Results.

The Tablets were returned to Getac Inc. for further evaluation.

Test data, an equipment list, and photographs are attached.

Steve Samples,
Preparer

James Grosik,
Program Manager

Stephan Samples,
Quality Assurance Manager

REVISION SUMMARY

Revision	Date	Affected Page (s)	Affected Paragraph (s)
Initial Release	25 May 2016	N/A	N/A

Note: Paragraphs affected by revisions are indicated by a superscript of the revision number appearing just after the paragraph title in the body of the report. Due to the revisions, some items may change pages.

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TEST CONCEPT STATEMENT

After reviewing several reports pertinent to hazards of electromagnetic radiation to ordnance safety, the following method was developed to ensure both the repeatability and technical accuracy of the measurements.

It was determined that the measurement technique should be as close as practicable to the standard procedures outlined in MIL STD. 461E and later revisions in the interest of measurement repeatability, basic technical understanding and, scientific measurement validity. The basis for this is the fact that the inverse square law relationship between, in this case, far field measurements made at the one meter distance with the test object orientated to produce the maximum signal strength in the measurement receiver can be accurately extrapolated down to a near field boundary of $\lambda/2\pi$ since the 20 dB per decade slope verses distance extends to $\lambda/10$ with roughly 5% measurement precision. The only deviation to standard MIL-STD-461 procedures was that the test article's maximum radiation orientation was pre-determined by utilizing a broad band free field probe as a detector for all the different modes of transmit operation. During test, the specific orientation of maximum radiation for a given transmit mode was used to position the test article in order to insure that the maximum possible level was obtained and recorded in the measurement receiver. The conversion from **dBμV/m** to **V/m** is $\mathbf{10^{(((dB\mu V/m)-120)/20)}}$.

A word of caution is in order regarding the utilization of field measurements and antenna gain to derive potential hazard and non-hazard conditions. The derivations I reviewed did not take into account the total available transmitter output power as a limiting factor and the field strength boundary curve doesn't seem to have any relationship to physical reality over much of its curve. A typical military initiator has a No Fire rating of 1A and an All Fire range exceeding 3A with a typical bridge wire resistance, when cold, of 1 Ohm. By Ohm's law this means that the initiator can dissipate one (1) Watt continuously without firing, and can fire somewhere above one (1) Watt, and will fire above three (3) Watts. This means that a one (1) Watt transmitter cannot fire ordnance regardless of antenna gain or transmit frequency. There is no relationship between free field strength and coupled power. In other words, even if I generate a 100 V/m field strength with a one Watt transmitter and a high gain antenna (it's easily done), I can't couple one Watt into the initiator without invoking 100% efficiency. Interestingly, automobile initiators (air bag) generally use one (1) Watt as the All Fire condition. This is about 5 dB lower than the military requirement. This in itself is an important safety factor for ordnance. The difficulty with the HERO curve is the fact that at its low point, the safe no hazard boundary is 0.5 V/m (0.00066 Watts/m^2) between 2 MHz and roughly 80 MHz. We have to put the E-field probe in the anechoic chamber to achieve those low levels! Indeed, a lightning strike several miles away will generate radio static orders of magnitude greater than 0.5 V/m starting well below 2 MHz and extending to well over 100 MHz. A solar burst can also achieve levels much higher than 0.5 V/m over the entire earth and with an even wider bandwidth.

Although this isn't a factor in this application, a realistic specification should be undertaken in order to make it useful in the future. At the very least, the total available power from a device and the inability to couple that power efficiently to ordnance should be recognized as a limiting factor in any calculation of safety margin as a first principle approach.

Jim Vogler, PhD.

SAFE DISTANCE CALCULATIONS

Safe distance calculations

The safe distance calculation is derived by invoking the inverse square law relationship. Specifically, the measured level is compared to HERO limit level and difference, in dB, is obtained by subtraction. The difference, in dB, is then used to calculate the distance to the test article that would intersect the HERO limit. The formula is distance*antilog (dB/20). The distance in our test was 1 meter in all cases, and the level was always below the HERO limit, making the dB difference always a negative number. The justification for this approach comes directly from proven antenna theory, (Ref. 1-4).

1) *Harold A. Wheeler, "Fundamental Limitations of Small Antennas", Proc. IRE, 35, (1947), pp. 1479-1484*

2) *John Krause, Antennas, McGraw-Hill, 1950*

3) *Charles Capps, "Near Field or Far Field", EDN, August 16, 2001, pp. 95-102.*

4) *Hans Gregory Schantz, "A Near Field Propagation Law and A Novel Fundamental Limit to Antenna Gain Versus Size", IEEE APS Conference July 2004*

SUMMARY OF TEST RESULTS

Hero Emissions (RE102) Test

Specification / Reference:

Document: MIL-STD-461F

Test Items: Tablets P/N F110 S/N's RF539F0595 (AT&T), RF539F0597 (Verizon)

Date Started: 11 April 2016 **Date Completed:** 22 April 2016

Test Summary:

The Tablets were subjected to the Hero Emissions (RE102) in accordance with MIL-STD-461F, with reference to HERO emissions. The purpose of testing was to verify that the F110 Rugged Tablet with the integrated GOBI firmware can be operated safely.

The measurement equipment was configured according to the RE102 Test Procedure. The equipment was calibrated in accordance with the requirements of MIL-STD-461F for radiated emissions testing. Receiver antenna was placed one (1) meter distant from the radiation source (test article).

The following steps layout the testing of the Tablets:

1. Place the tablet inside the test chamber.
2. Verify the F110 Tablet was connected to 4G via the home screen. Enable Skype™.
3. Confirm strongest broadcast signal from test subject. Use this orientation for the remaining testing.
4. Conduct a HERO scan to verify that the F110 tablets were operating on the 4G signal only (via Skype).
5. Conduct 4G cellular scans (as required) for GOBI firmware, primary and backup.

During the exposure, a Low Pass Filter (LPF) was used to force the F110 tablet to connect to the 700 MHz frequency band when needed. An additional scan was performed using a Band Pass Filter (BPF) to force the F110 tablet to connect to the 1900MHz frequency band when needed. Scan results are noted in Table 1.

Test Results:

No physical anomalies were noted.
Reference: Test Logs and photographs for additional test detail.

Results Summary Tables RE102 / HERO Testing (F110)

F110 Tablet Mode & Polarity	Frequency (MHz)	Measured RE102 dBuV/m	Converted to HERO V/m	≈dB Below HERO Spec	Calculated Safe Distance (in)	Effective Safe Distance (in)
Verizon 4G/LTE Primary Vertical Edge 4	783.94	113.7	0.48	-20.1	3.89”	0”
Verizon 4G/LTE Backup Vertical Edge 4	786.75	110.9	0.35	-22.9	2.82”	0”
AT&T 4G/LTE Primary Vertical Edge 4	709.32	98.2	0.08	-34.7	0.72”	0”
AT&T 4G/LTE Backup Vertical Edge 4	1893.2	101.6	0.12	-39.8	0.40”	0”
LPF (700MHz) AT&T 4G/LTE Primary Vertical Edge 4	708.96	101.3	0.12	-31.6	1.03”	0”
LPF (700 MHz) AT&T 4G/LTE Backup Vertical Edge 4	707.88	97.7	0.08	-35.2	0.68”	0”
BPF (1900 MHz) AT&T 4G/LTE Primary Vertical Edge 4	1891.1	108.7	0.27	-32.7	0.92”	0”

Table 1

Note: The Practical (Effective) Safe Distance between the Tablet and any ordinance is 0” because the antenna elements for the Tablet are internal.

Hero Emissions (RE102) Test

Specification / Reference:

Document: MIL-STD-461F

Test Items: Tablet P/N RX10 S/N RG139R0076

Date Started: 13 April 2016 **Date Completed:** 10 May 2016

Test Summary:

The Tablet was subjected to the Hero Emissions (RE102) in accordance with MIL-STD-461F, with reference to HERO emissions. The purpose of testing was to verify that the RX10 Rugged Tablet can operate safely.

The measurement equipment was configured according to the RE102 Test Procedure. The equipment was calibrated in accordance with the requirements of MIL-STD-461F for radiated emissions testing. Receiver antenna was placed one (1) meter distant from the radiation source (test article).

The following steps layout the testing of the Tablets:

1. Place the tablet inside the test chamber.
2. Verify the RX10 Tablet was connected using the home screen. Enable Skype™.
3. Confirm strongest broadcast signal from test subject. Use this orientation for the remaining testing.
4. Conduct a HERO scan to verify that the RX10 tablet was operating on the Wi-Fi, 3G or 4G/LTE signal (via Skype).
5. Conduct Wi-Fi and cellular scans.

Scan results are noted in Table 2.

Test Results:

No physical anomalies were noted.
Reference: Test Logs and photographs for additional test detail.

Results Summary Tables RE102 / HERO Testing (RX10)

RX10 Mode & Polarity	Frequency (MHz)	Measured RE102 dBuV/m	Converted to HERO V/m	≈dB Below HERO Spec	Calculated Safe Distance (in)	Effective Safe Distance (in)
Verizon (Full Power) 3G Vertical Edge 3	842.43	99	0.09	-35.4	0.67”	0”
Verizon (Full Power) 4G/LTE Vertical Edge 3	783.54	103.2	0.14	-30.6	1.16”	0”
Verizon (Full Power) 4G/LTE Vertical Edge 3	1723.9	106.8	0.22	-33.8	0.80”	0”
AT&T (Full Power) 3G Vertical Edge 3	1908.6	123.2	1.45	-18.3	4.79”	0”
AT&T (Full Power) 4G/LTE Vertical Edge 3	709.69	121.4	1.17	-11.5	10.48”	0”
AT&T (Full Power) 4G/LTE Vertical Edge 3	1908.3	119.5	0.94	-22.0	3.13”	0”
802.11b 2.4GHz Vertical Edge 4	2464.4	113.7	0.48	-30.0	1.24”	0”
802.11g 2.4GHz Vertical Edge 4	2459.1	110.2	0.32	-33.5	0.83”	0”
802.11n 2.4GHz Vertical Edge 4	2463.8	110	0.32	-33.7	0.81”	0”
802.11a 5GHz Vertical Edge 4	5748.6	106.9	0.22	-44.1	0.25”	0”
802.11n 5GHz Vertical Edge 4	5747.6	107.1	0.23	-43.9	0.25”	0”
802.11ac 5GHz Vertical Edge 4	5747.6	106.4	0.21	-44.6	0.23”	0”

Table 2

Note: The Practical (Effective) Safe Distance between the Tablet and any ordinance is 0” because the antenna elements for the Tablet are internal.

FACTUAL DATA

NTS ENGINEERING SUCCESS

Tempe, AZ EMI Log

Customer: Getac Inc	Project Number: PR046489
Test Item: F110 Tablet	Log Start Date: 4/11/2016
Model P/N: 52628707000P	Standard: MIL-STD-461F (Ref to HERO)
S/N: RF539F0595 (AT&T); RF539F0597 (Verizon)	Test: RE102
Temp: 21.2°C	Humidity: 43%

Date	Start Time	Finish Time	NOTES	Result	Init
			All measurements were done with the receiving antenna 1m back from the F110. Skype was used to drive the F110 during the measurement(s).		
			AT&T and Verizon 4G/LTE Cellular Testing using both the Primary and Backup GOBI Firmware.		
4/11/16	0930		Verizon Primary GOBI Firmware	Pass	JG
4/11/16		1130	Verizon Backup GOBI Firmware	Pass	JG
4/13/16	0630		AT&T Primary GOBI Firmware	Pass	JG
4/13/16		0830	AT&T Backup GOBI Firmware	Pass	JG
4/14/16	1100		Additional scans were conducted using a LPF to force the F110 to connect to the 700MHz Frequency Band only		
			AT&T Primary GOBI Firmware	Pass	JG
4/14/16		1330	AT&T Backup GOBI Firmware	Pass	JG
4/22/16			An additional scan was conducted using a BPF to force the F110 to connect to the 1900MHz Frequency Band only		
4/22/16	730	815	AT&T Primary GOBI Firmware	Pass	JG

Test Personnel: Customer Witness:

F110 Tablet Mode and Polarity	Frequency (MHz)	Measured RE102 dBuV/m	Converted HERO V/m	dB Below HERO Spec	Calculated Safe Distance	Effective Safe Distance
Verizon 4G/LTE Primary Vert Edge 4	783.94	113.7	0.48	-20.1	3.89"	0"
Verizon 4G/LTE Backup Vert Edge 4	786.75	110.9	0.35	-22.9	2.82"	0"
AT&T 4G/LTE Primary Vert Edge 4	709.32	98.2	0.08	-34.7	0.72"	0"
AT&T 4G/LTE Backup Vert Edge 4	1893.2	101.6	0.12	-39.8	0.40"	0"
*AT&T 4G/LTE Primary Vert Edge 4	708.96	101.3	0.12	-31.6	1.03"	0"
*AT&T 4G/LTE Backup Vert Edge 4	707.88	97.7	0.08	-35.2	0.68"	0"
**AT&T 4G/LTE Primary Vert Edge 4	1891.1	108.7	0.27	-32.7	0.92"	0"

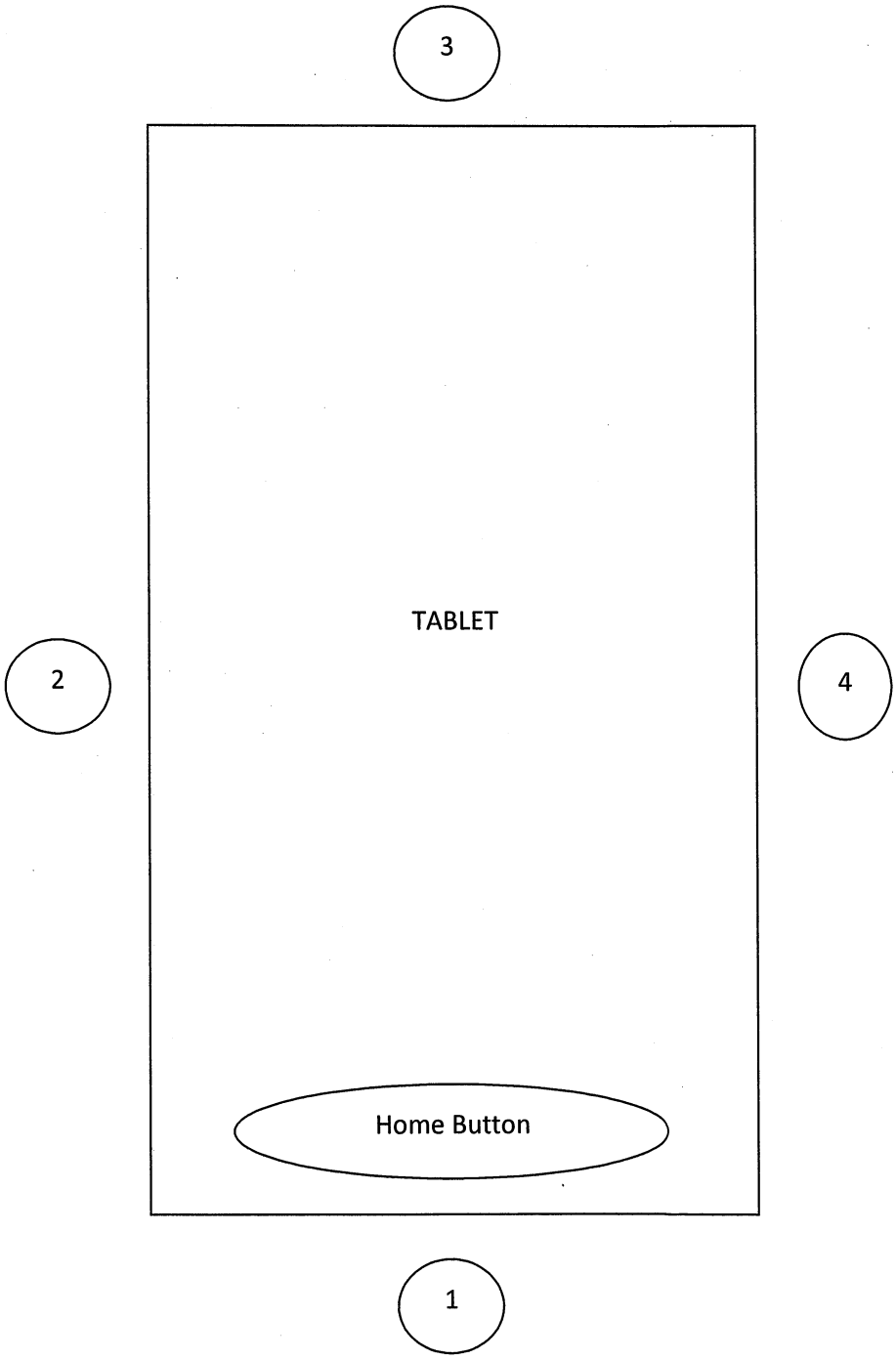
Note: The Practical (Effective) Safe Distance between the F110 and any ordinance is 0" because the antenna elements for the F110 are internal.

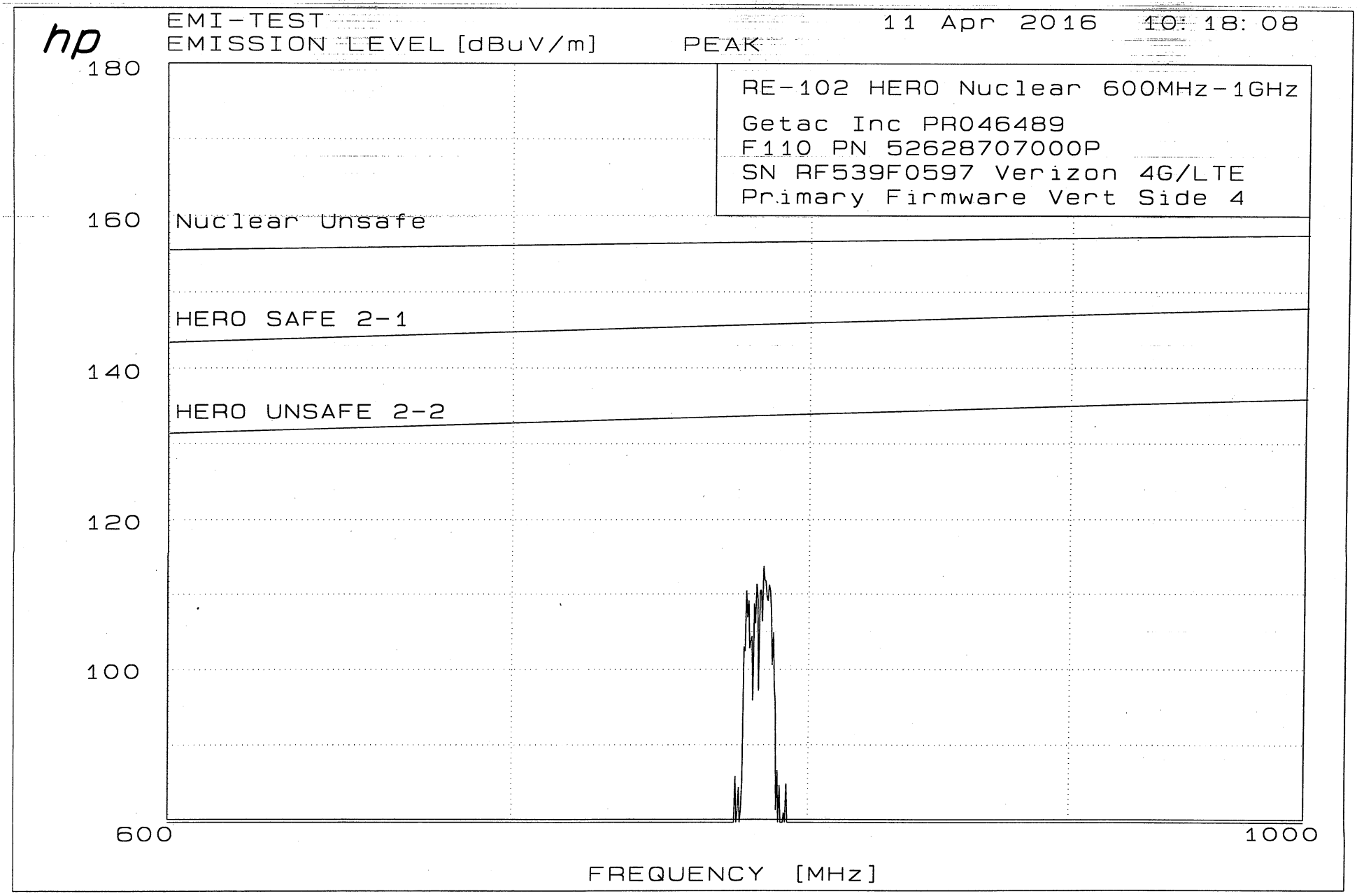
*Conducted with a LPF to force the F110 to connect to the 700MHz Frequency Band only.

** Conducted with a BPF to force the F110 to connect to the 1900MHz Frequency Band only.

F110 Tablet		
Mode (Frequency)	**Verizon (frequency/band)**	**Complete**
AT&T 4G/LTE	700MHz (band 17, block B/C) 1900MHz (band 2)	x
Verizon 4G/LTE	700MHz (band 13, block C)	x

F110 Tablet Position of Highest Radiation		
Tablet	**AT&T 4G/LTE**	**Verizon 4G/LTE**
F110	Vertical – Edge 4	Vertical – Edge 4

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RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0597 Verizon 4G/LTE
Primary Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]

PR046489

```
EMI-TEST                                  11 Apr 2016  10:18:08
============================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
============================================================
Peaks above -45 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1        783.94             113.7          -20.1
  2        781.55             111.3          -22.4
  3        777.96             110.4          -23.3
```

EMI-TEST 11 Apr 2016 10:18:08

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -45 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	783.94	113.7	-32.1
2	781.55	111.3	-34.4
3	777.96	110.4	-35.3

PR046489

```
EMI-TEST                                  11 Apr 2016  10:18:08
=============================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
=============================================================
Peaks above -45 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       783.94              113.7           -42.8
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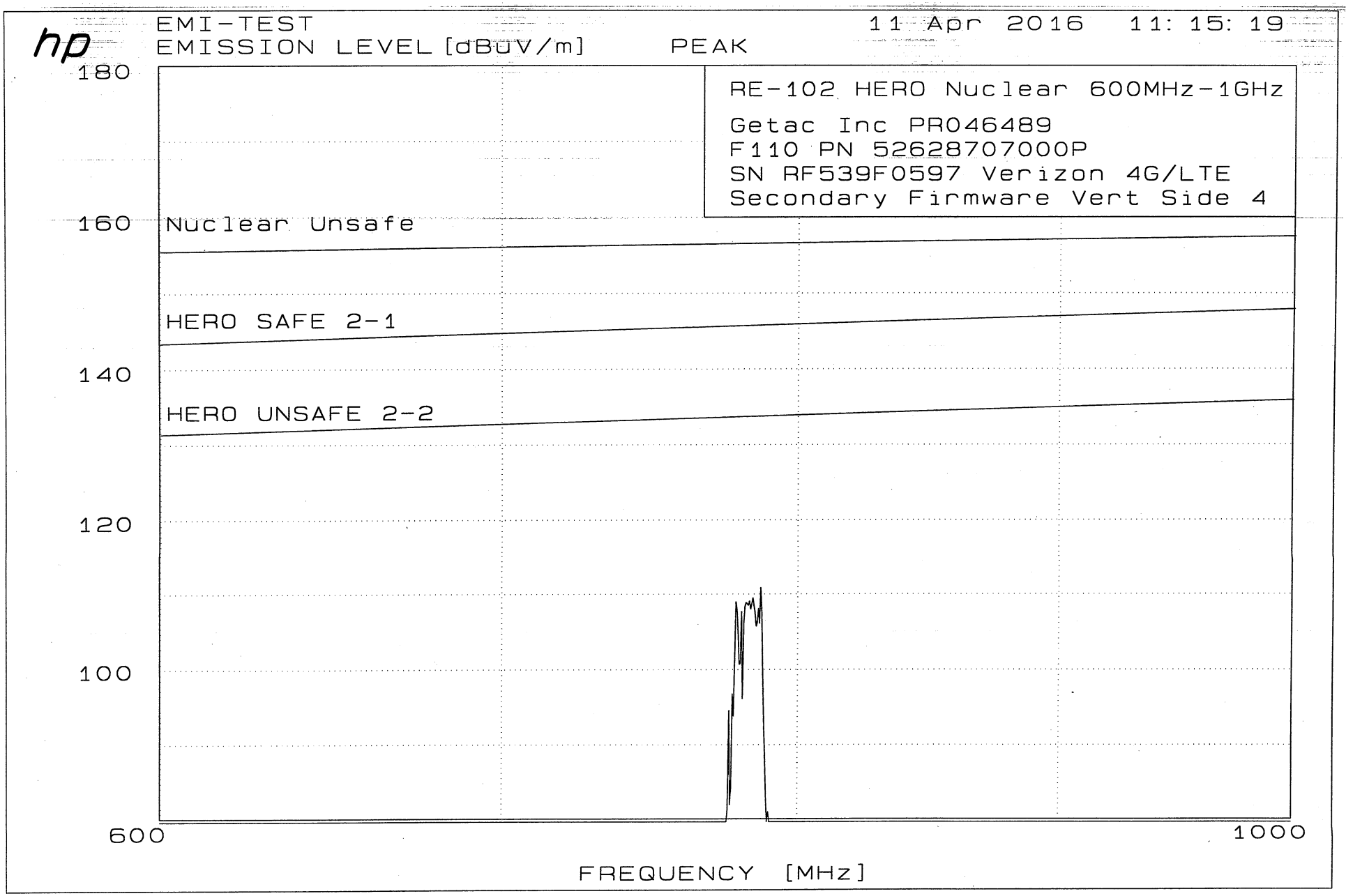
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RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0597 Verizon 4G/LTE
Secondary Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]

PR046489

EMI TEST 11 Apr 2016 11:15:19

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -50 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	786.75	110.9	-22.9
2	777.96	109	-24.7
3	779.95	107.7	-26.0
4	775.59	94.6	-39.1

PR046489

EMI-TEST 11 Apr 2016 11:15:19

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -50 dB of Limit Line #2
peak criteria = 6 dB

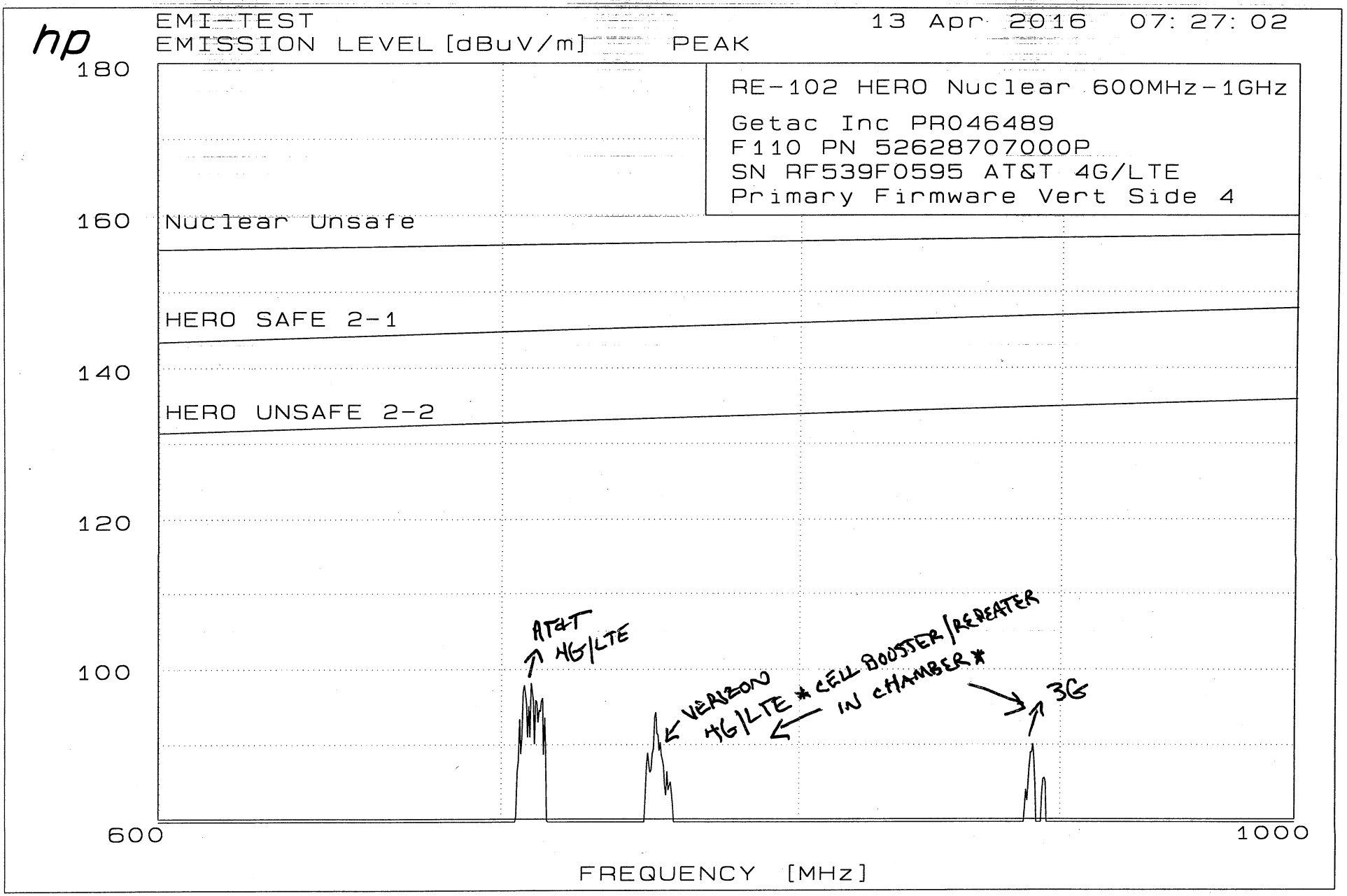
PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	786.75	110.9	-34.9
2	777.96	109	-36.7
3	779.95	107.7	-38.0

EMI TEST 11 Apr 2016 11:15:19

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -50 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	786.75	110.9	-45.6
2	777.96	109	-47.5
3	779.95	107.7	-48.8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13 Apr 2016 07:27:02
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0595 AT&T 4G/LTE
Primary Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]
AT&T 4G/LTE
VERIZON 4G/LTE * CELL BOOSTER/REPEATER IN CHAMBER *
3G

===

EMI-TEST 13 Apr 2016 07:27:02

===

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

===

Peaks above -37 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	709.32	98.2	-34.7
2	707.16	97.9	-35.0
3	712.95	96.2	-36.7

PR046489

EMI-TEST 13 Apr 2016 07:27:02

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -47 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	709.32	98.2	-46.7

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================================================================
EMI-TEST                                  13 Apr 2016  07:27:02
================================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
================================================================
Peaks above -58 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)      DELTA
  1      709.32               98.2         -57.9
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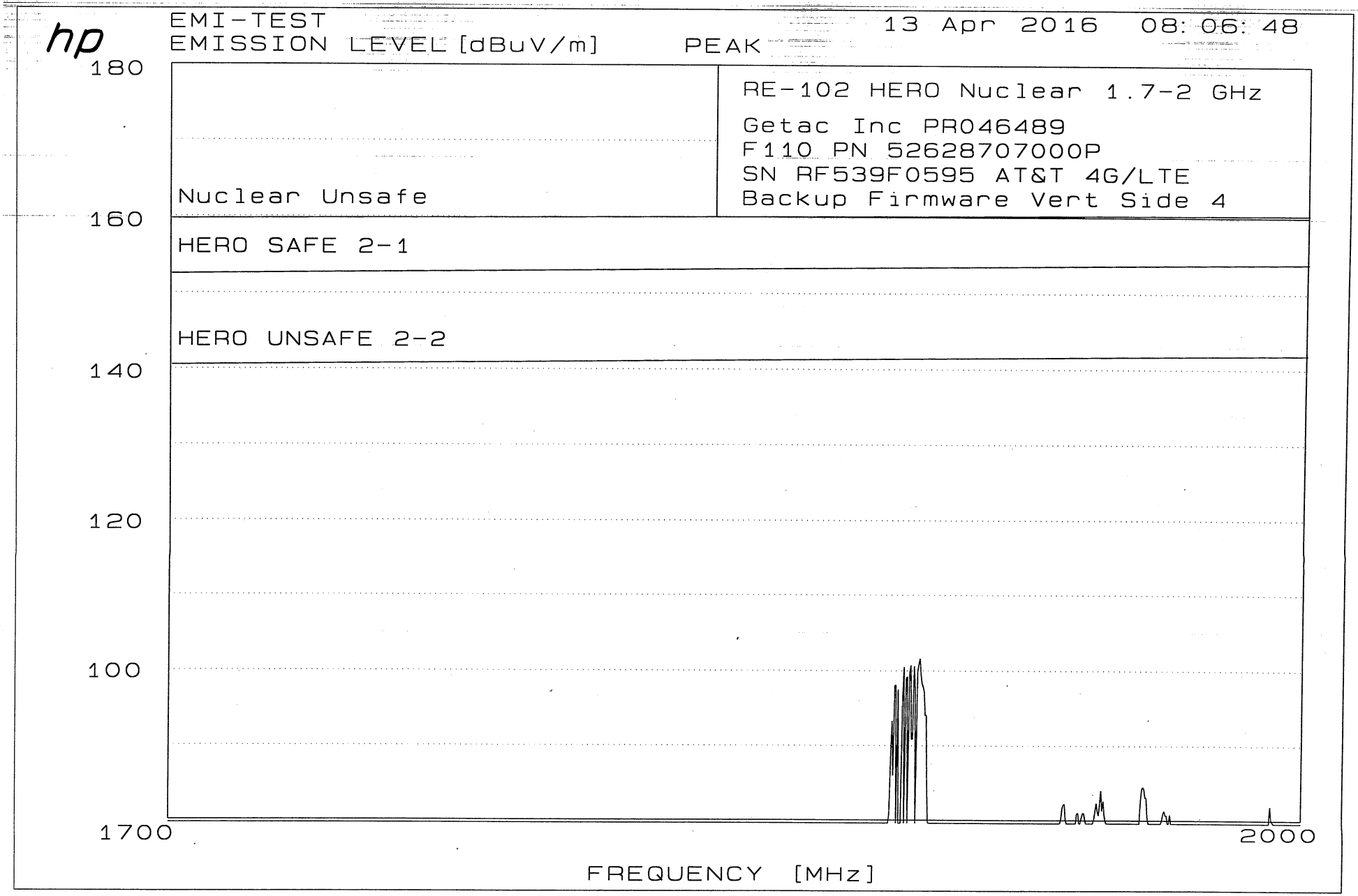
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EMISSION LEVEL [dBuV/m]
PEAK
13 Apr 2016 08:06:48
180
160
140
120
100
1700
2000
FREQUENCY [MHz]
RE-102 HERO Nuclear 1.7-2 GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0595 AT&T 4G/LTE
Backup Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2

==

EMI-TEST 13 Apr 2016 08:06:48

==

1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

==

Peaks above -40 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1893.2	101.6	-39.8

EMI-TEST 13 Apr 2016 08:06:48

1. MIL-STD 461E setups
1.41 RE-102 HERO Nuclear 1.7-2 GHz

Peaks above -52 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1893.2	101.6	-51.8

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==============================================================
EMI-TEST                                13 Apr 2016  08:06:48
==============================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
==============================================================
Peaks above -59 dB of Limit Line #3
  peak criteria = 6 dB
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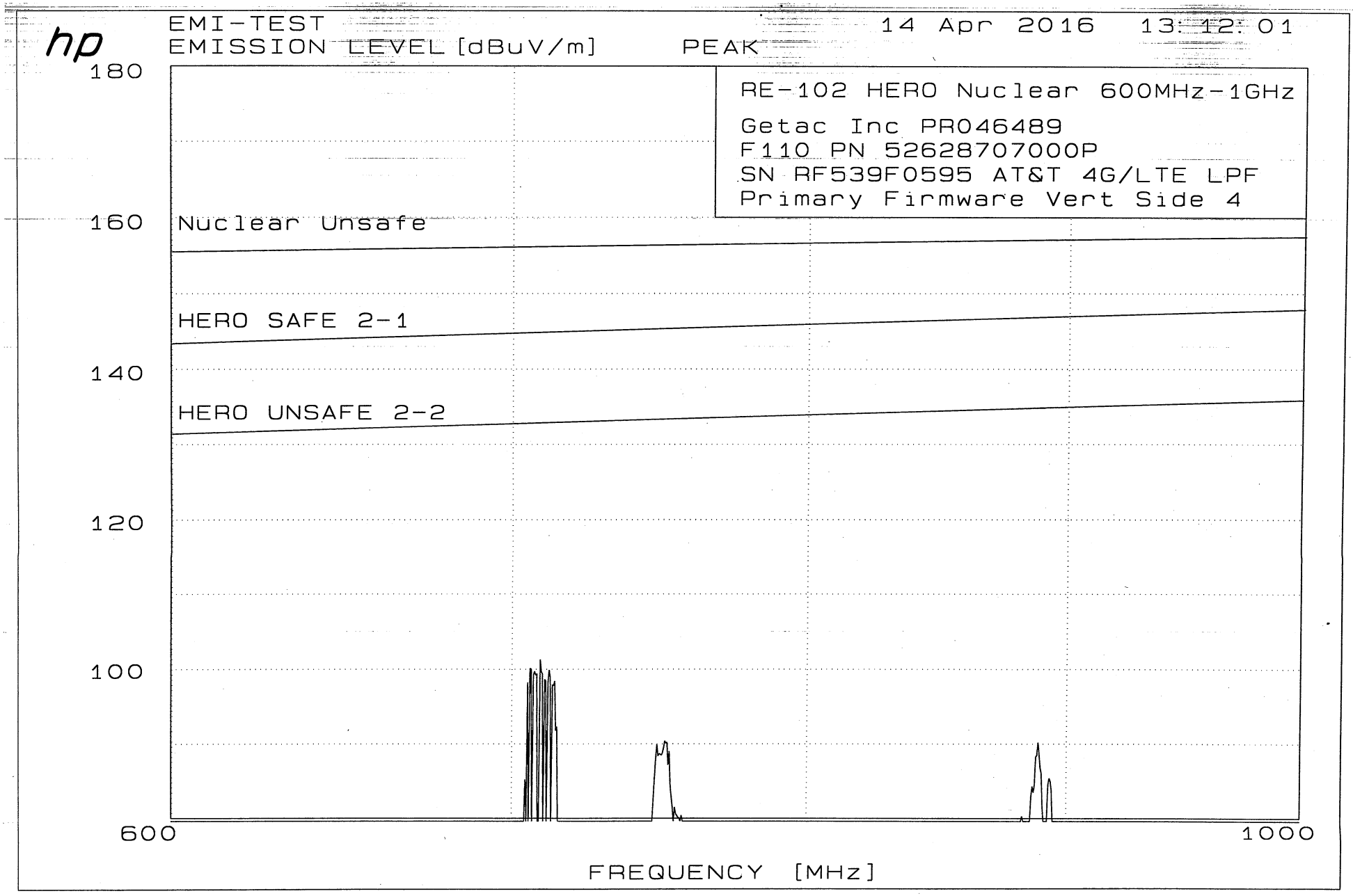
1	1893.2	101.6	-58.5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PEAK
14 Apr 2016 13:12:01
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0595 AT&T 4G/LTE LPF
Primary Firmware Vert Side 4
180
160
140
120
100
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
600
1000
FREQUENCY [MHz]

PR046489

```
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==========================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
==========================================================
Peaks above -32 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1      708.96              101.3           -31.6
```

===

EMI-TEST 14 Apr 2016 13:12:01

===

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

===

Peaks above -44 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	708.96	101.3	-43.6

PR046489

```
EMI-TEST                                14 Apr 2016  13:12:01
==========================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
==========================================================
Peaks above -55 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       708.96              101.3           -54.8
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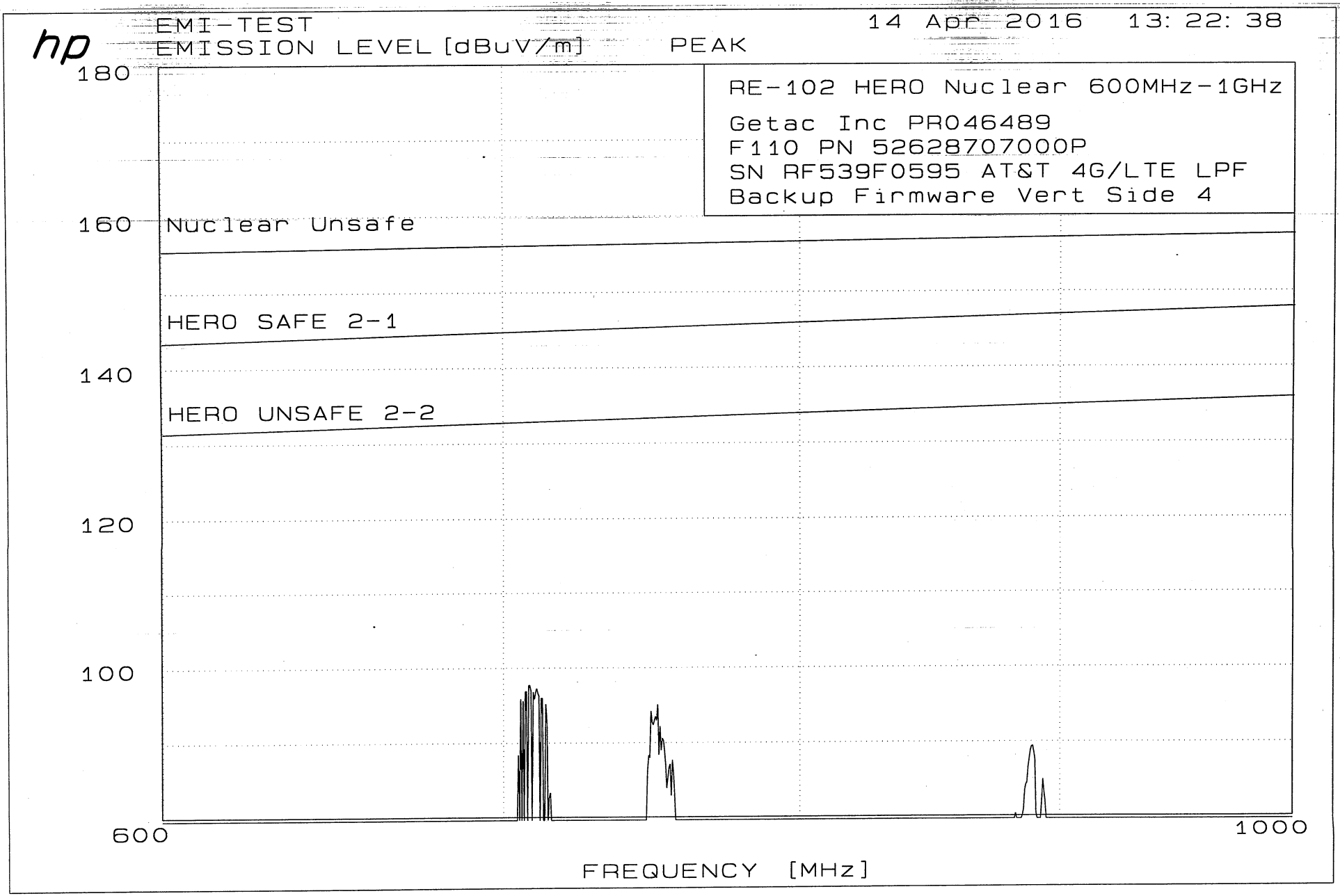
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14 Apr 2016 13: 22: 38
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0595 AT&T 4G/LTE LPF
Backup Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]

EMI-TEST 14 Apr 2016 13:22:38

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -36 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	707.88	97.7	-35.2
2	710.41	97.3	-35.6

EMI-TEST 14 Apr 2016 13:22:38

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -48 dB of Limit Line #2
peak criteria = 6 dB

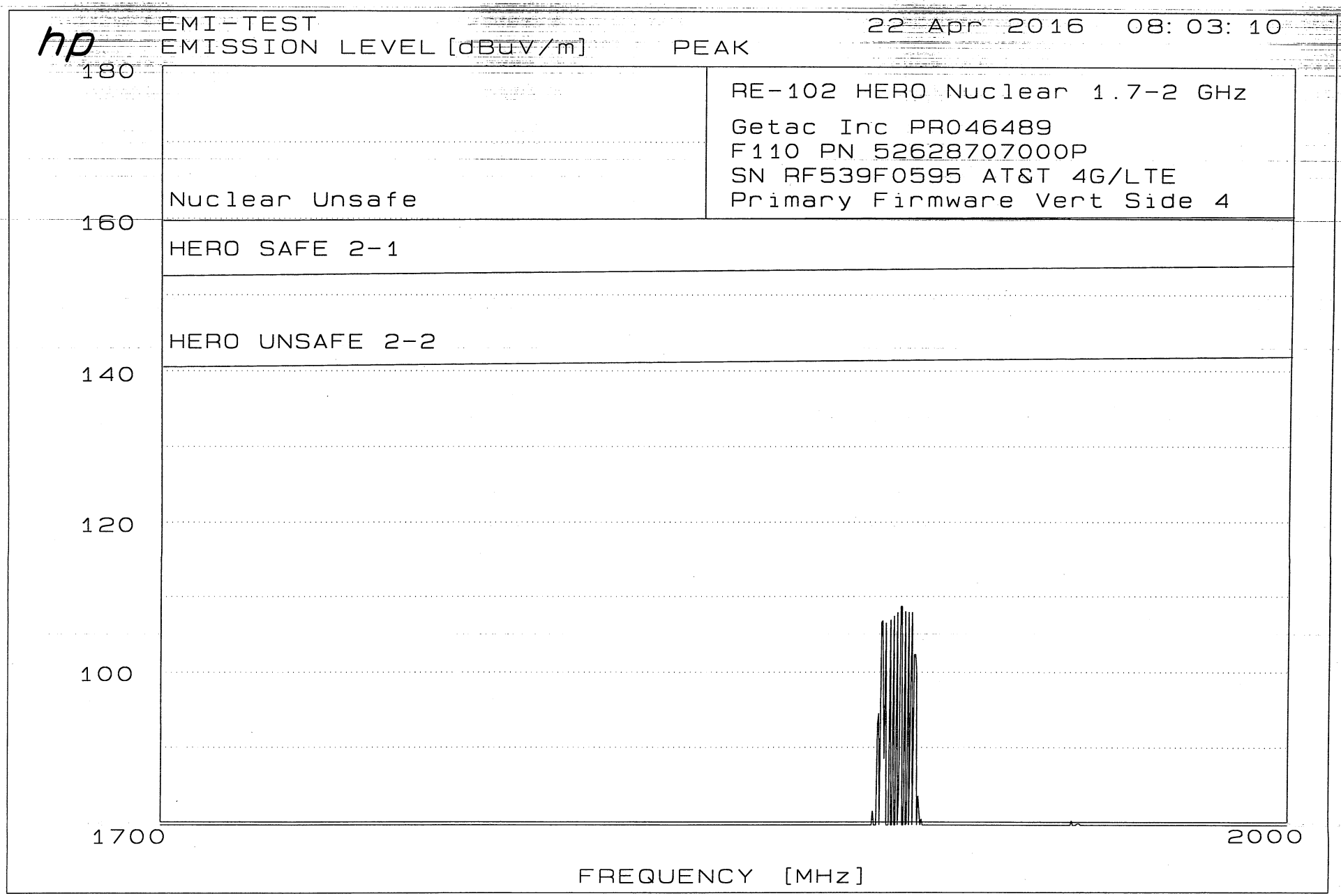
PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	707.88	97.7	-47.2
2	710.41	97.3	-47.6

EMI-TEST 14 Apr 2016 13:22:38

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -59 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	707.88	97.7	-58.4
2	710.41	97.3	-58.8


EMI-TEST
22 Apr 2016 08:03:10
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 1.7-2 GHz
Getac Inc PR046489
F110 PN 52628707000P
SN RF539F0595 AT&T 4G/LTE
Primary Firmware Vert Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
1700
2000
FREQUENCY [MHz]

PR046489

```
EMI-TEST                                22 Apr 2016  08:03:10
=========================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
=========================================================
Peaks above -33 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       1891.1              108.7           -32.7
```

EMI-TEST 22 Apr 2016 08:03:10

1. MIL-STD 461E setups
1.41 RE-102 HERO Nuclear 1.7-2 GHz

Peaks above -45 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1891.1	108.7	-44.7

PR046489

```
=============================================================
EMI-TEST                                  22 Apr 2016  08:03:10
=============================================================
 1.  MIL-STD 461E setups
     1.41  RE-102 HERO Nuclear 1.7-2 GHz
=============================================================
Peaks above -52 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       1891.1              108.7           -51.4
```

NTS ENGINEERING SUCCESS

Tempe, AZ EMI Log

Customer: Getac Inc	Project Number: PR046489
Test Item: RX10 Tablet	Log Start Date: 4/13/2016
Model P/N: 52628719001E	Standard: MIL-STD-461F (Ref to HERO)
S/N: RG139R0076	Test: RE102
Temp: 21.2°C	Humidity: 43%

Date	Start Time	Finish Time	NOTES	Result	Init
			All measurements were done with the receiving antenna		
			1m back from the RX10. Skype was used to drive		
			the RX10 during the measurement(s).		
4/13/16	1300		802.11b Wi-Fi Testing @ 2.4GHz	Pass	JG
			802.11g Wi-Fi Testing @ 2.4GHz	Pass	
			802.11n @ 2.4GHz & 5GHz Wi-Fi Testing	Pass	JG
			802.11a Wi-Fi Testing @ 5GHz	Pass	
4/13/16		1500	802.11ac Wi-Fi Testing @ 5GHz	Pass	JG
4/19/16	1000	1100	AT&T 3G Cellular Testing	Pass	JG
4/20/16	1030	1500	AT&T and Verizon 4G/LTE Cellular Testing	Pass	JG
5/10/16	0830	0915	Verizon 3G Cellular Testing.	Pass	JG

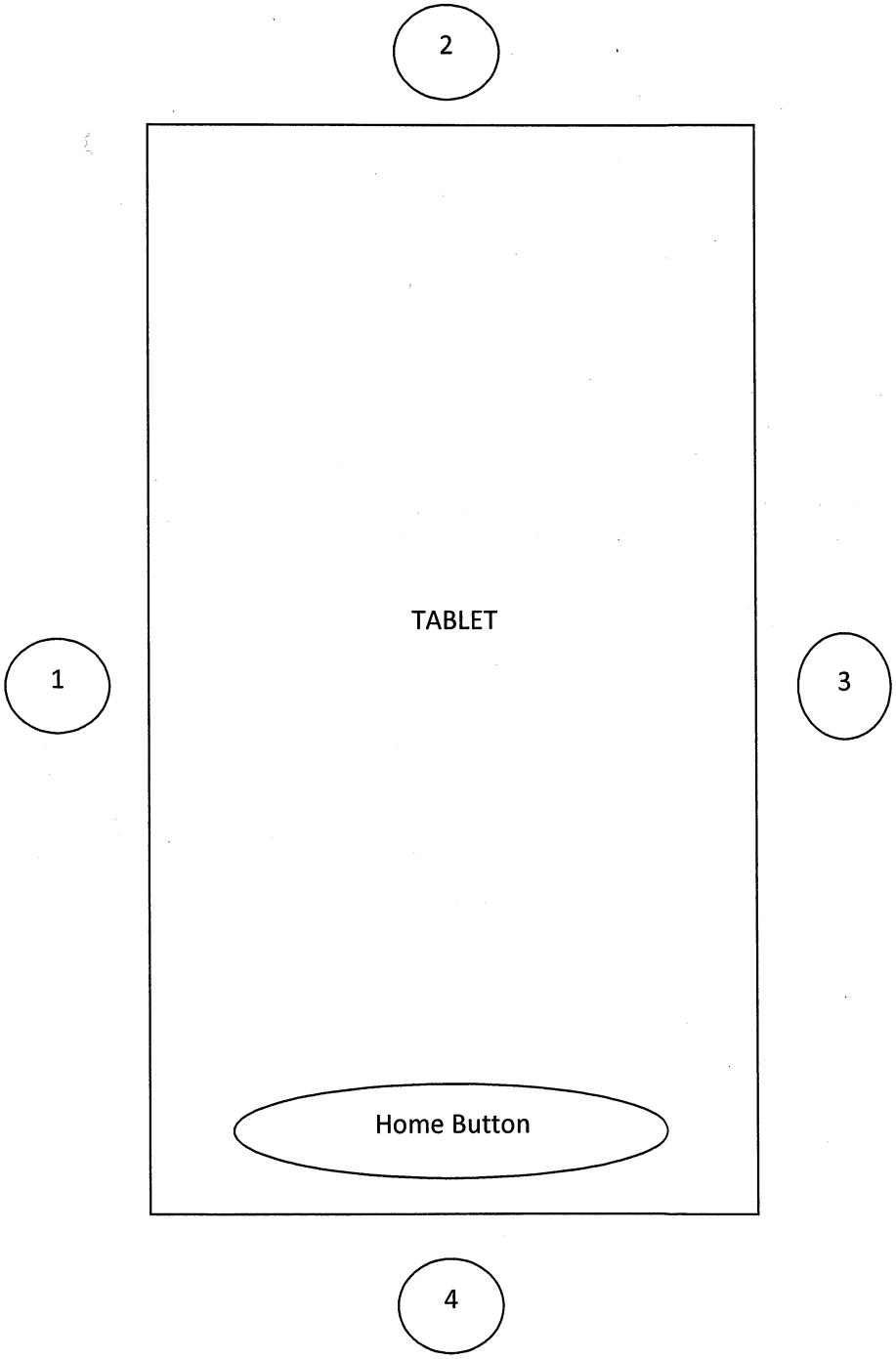
Test Personnel: Customer Witness:

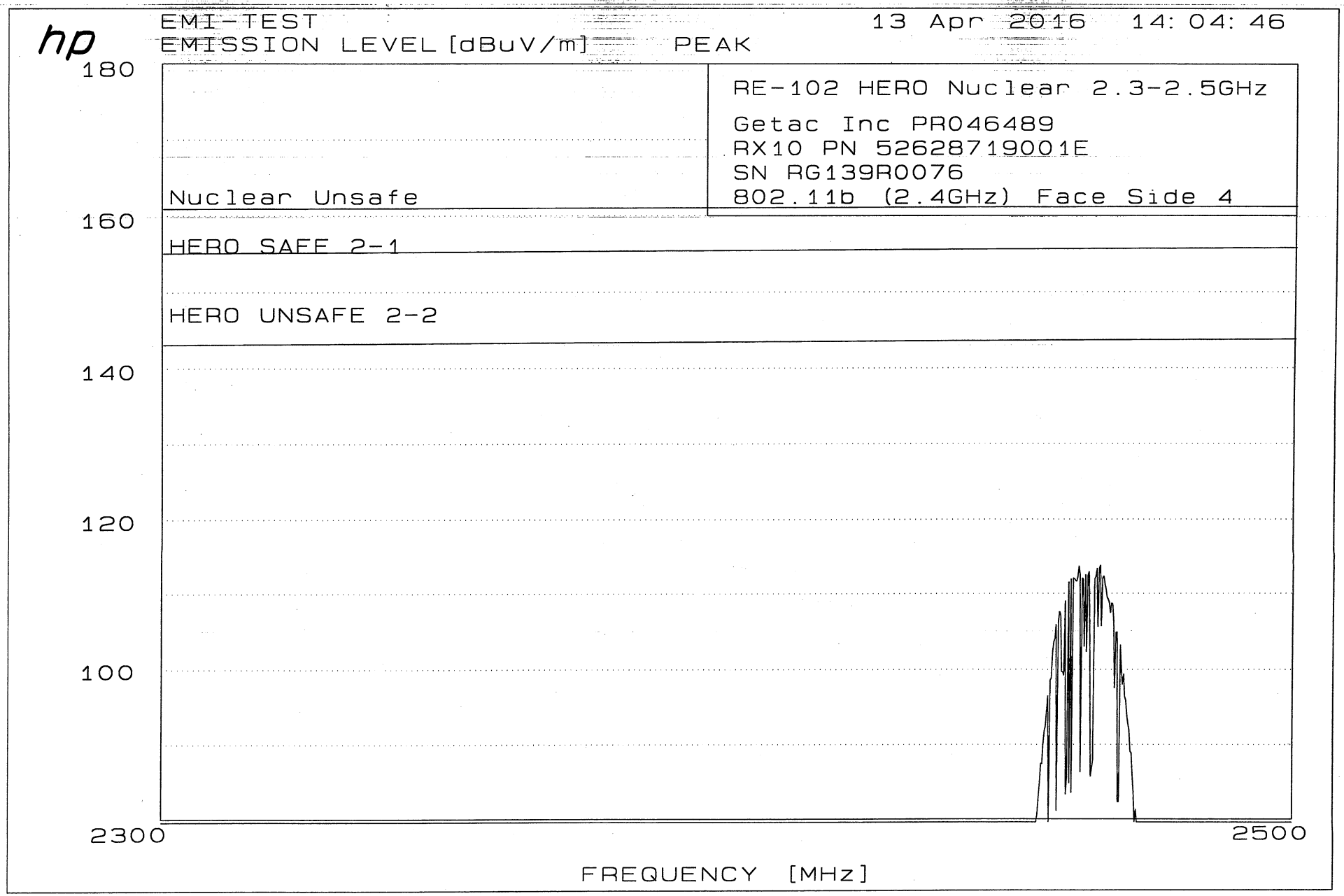
RX10 Mode and Polarity	Frequency (MHz)	Measured RE102 dBuV/m	Converted HERO V/m	dB Below HERO Spec	Calculated Safe Distance	Effective Safe Distance
Verizon (Full Power) 3G Vert Edge 3	842.43	99	0.09	-35.4	0.67"	0"
Verizon (Full Power) 4G/LTE Vert Edge 3	783.54	103.2	0.14	-30.6	1.16"	0"
Verizon (Full Power) 4G/LTE Vert Edge 3	1723.9	106.8	0.22	-33.8	0.80"	0"
AT&T (Full Power) 3G Vert Edge 3	1908.6	123.2	1.45	-18.3	4.79"	0"
AT&T (Full Power) 4G/LTE Vert Edge 3	709.69	121.4	1.17	-11.5	10.48"	0"
AT&T (Full Power) 4G/LTE Vert Edge 3	1908.3	119.5	0.94	-22.0	3.13"	0"
802.11b 2.4GHz Vert Face (4)	2464.4	113.7	0.48	-30.0	1.24"	0"
802.11g 2.4GHz Vert Face (4)	2459.1	110.2	0.32	-33.5	0.83"	0"
802.11n 2.4GHz Vert Face (4)	2463.8	110	0.32	-33.7	0.81"	0"
802.11a 5GHz Vert Face (4)	5748.6	106.9	0.22	-44.1	0.25 "	0"
802.11n 5GHz Vert Face (4)	5747.6	107.1	0.23	-43.9	0.25"	0"
802.11ac 5GHz Vert Face (4)	5747.6	106.4	0.21	-44.6	0.23"	0"

Note: The Practical (Effective) Safe Distance between the RX10 and any ordinance is 0" because the antenna elements for the RX10 are internal.

RX10 Tablet		
Mode (Frequency)	**Verizon (frequency/band)**	**Complete**
Verizon 3G	850MHz (band 0)	x
Verizon 4G/LTE	700MHz (band 13, block C)	x
AT&T 3G	850MHz (band 5)	x
AT&T 4G/LTE	700MHz (band 17, block B/C) 1900MHz (band 2)	x
Mode	**frequency/channel**	**Complete**
802.11b	2.4GHz	x
802.11g	2.4GHz	x
802.11n	2.4GHz	x
802.11a	5GHz	x
802.11n	5GHz	x
802.11ac	5GHz	x

Apple IPAD Position of Highest Radiation		
Tablet	**WiFi**	**Cellular**
RX10	Vertical – Face (Edge 4 down)	Vertical – Edge 3




hp
EMI-TEST
13 Apr 2016 14:04:46
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 2.3-2.5GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11b (2.4GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
2300
2500
FREQUENCY [MHz]

EMI-TEST 13 Apr 2016 14:04:46

1. MIL-STD 461E setups
   1.39 RE-102 HERO Nuclear 2.3-2.5GHz

Peaks above -31 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	2464.4	113.7	-30.0
2	2460.5	113.6	-30.1
3	2463.8	113.3	-30.4
4	2462.4	112.9	-30.8

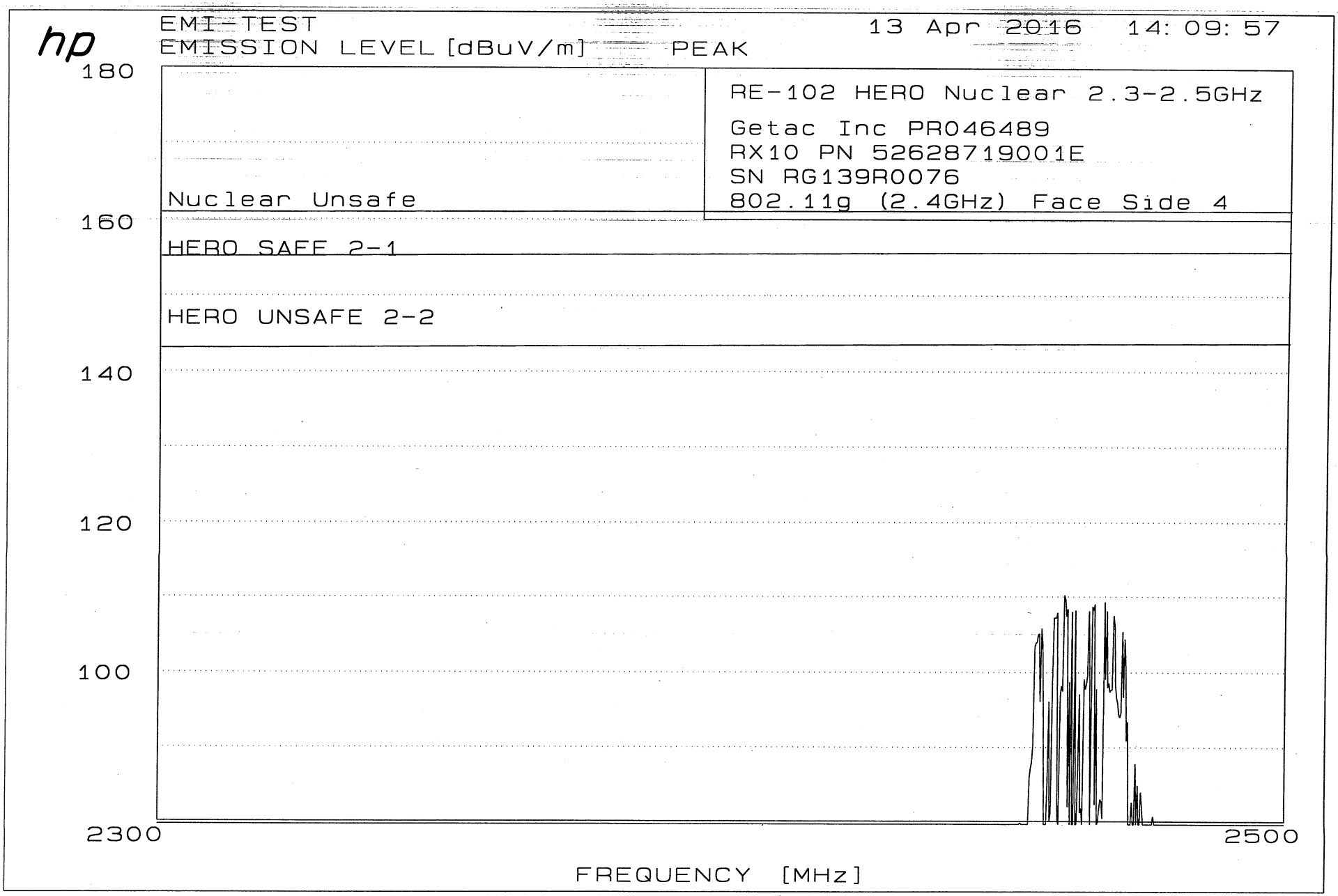
PR046489

```
==========================================================
EMI-TEST                          13 Apr 2016  14:04:46
==========================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
==========================================================
Peaks above -43 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#    FREQ (MHz)        (dBuV/m)       DELTA
  1      2464.4            113.7          -42.0
  2      2460.5            113.6          -42.1
  3      2463.8            113.3          -42.4
  4      2462.4            112.9          -42.8
```

PR046489

```
============================================================
EMI-TEST                          13 Apr 2016  14:04:46
============================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
============================================================
Peaks above -48 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#     FREQ (MHz)        (dBuV/m)       DELTA
  1       2464.4            113.7          -47.5
  2       2460.5            113.6          -47.6
  3       2463.8            113.3          -47.9
```

PR046489


hp
EMI-TEST
13 Apr 2016 14:09:57
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 2.3-2.5GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11g (2.4GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
2300
2500
FREQUENCY [MHz]

```
============================================================
EMI-TEST                              13 Apr 2016  14:09:57
============================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
============================================================
Peaks above -34 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       2459.1              110.2           -33.5
```

PR046489

```
============================================================
EMI-TEST                          13 Apr 2016  14:09:57
============================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
============================================================
Peaks above -46 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#     FREQ (MHz)        (dBuV/m)        DELTA
  1       2459.1            110.2           -45.5
```

PR046489

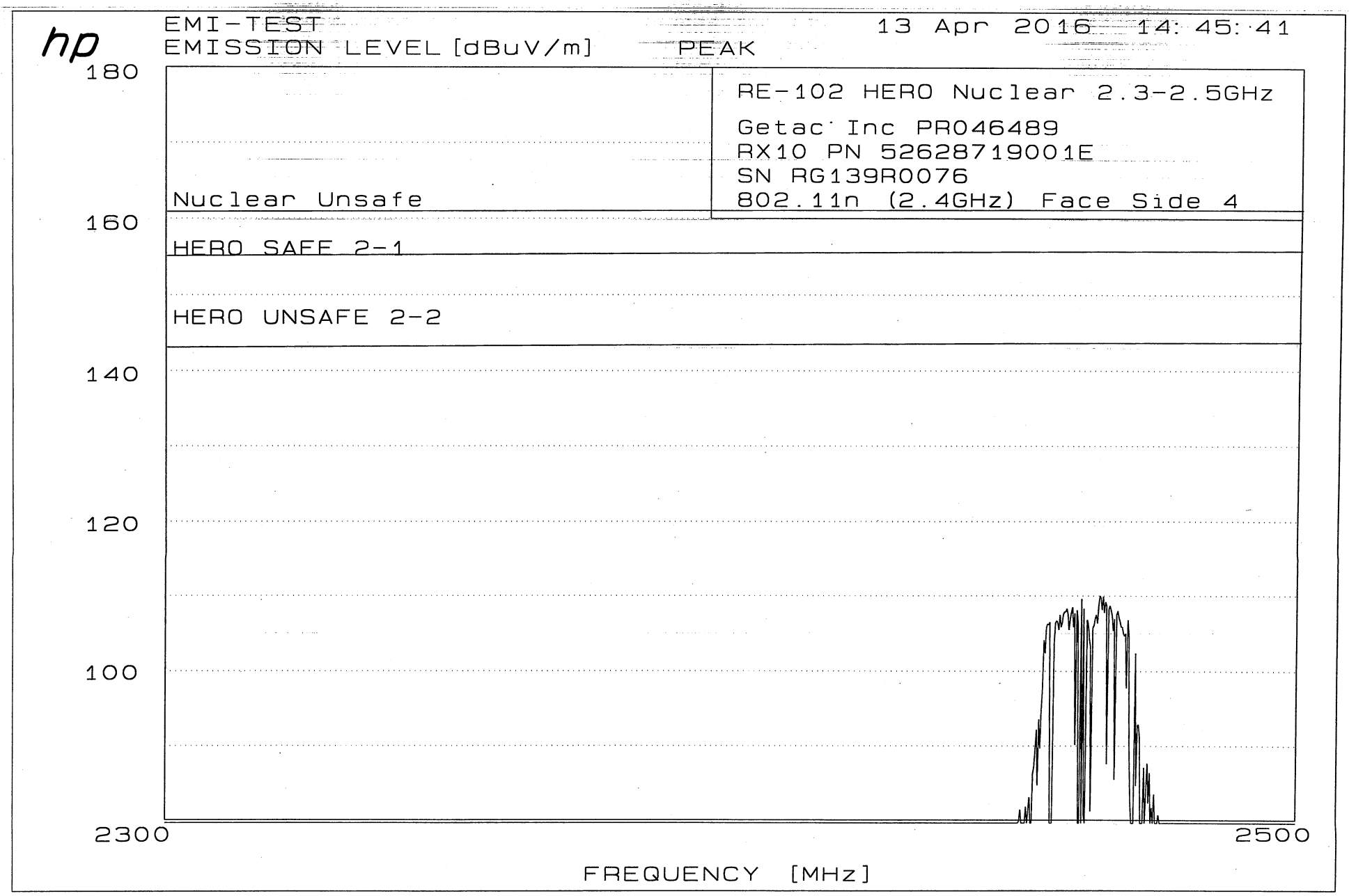
EMI-TEST 13 Apr 2016 14:09:57

1. MIL-STD 461E setups
   1.39 RE-102 HERO Nuclear 2.3-2.5GHz

Peaks above -52 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	2459.1	110.2	-51.0
2	2466.5	109.3	-51.9

PR046489


hp
EMI-TEST
13 Apr 2016 14:45:41
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 2.3-2.5GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11n (2.4GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
2300
2500
FREQUENCY [MHz]

```
============================================================
EMI-TEST                          13 Apr 2016  14:45:41
============================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
============================================================
Peaks above -34 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#    FREQ (MHz)        (dBuV/m)       DELTA
  1       2463.8            110           -33.7
```

PR046489

```
============================================================
EMI-TEST                          13 Apr 2016  14:45:41
============================================================
 1. MIL-STD 461E setups
    1.39  RE-102 HERO Nuclear 2.3-2.5GHz
============================================================
Peaks above -46 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#    FREQ (MHz)        (dBuV/m)       DELTA
  1       2463.8            110           -45.7
```

PR046489

==

EMI-TEST 13 Apr 2016 14:45:41

==

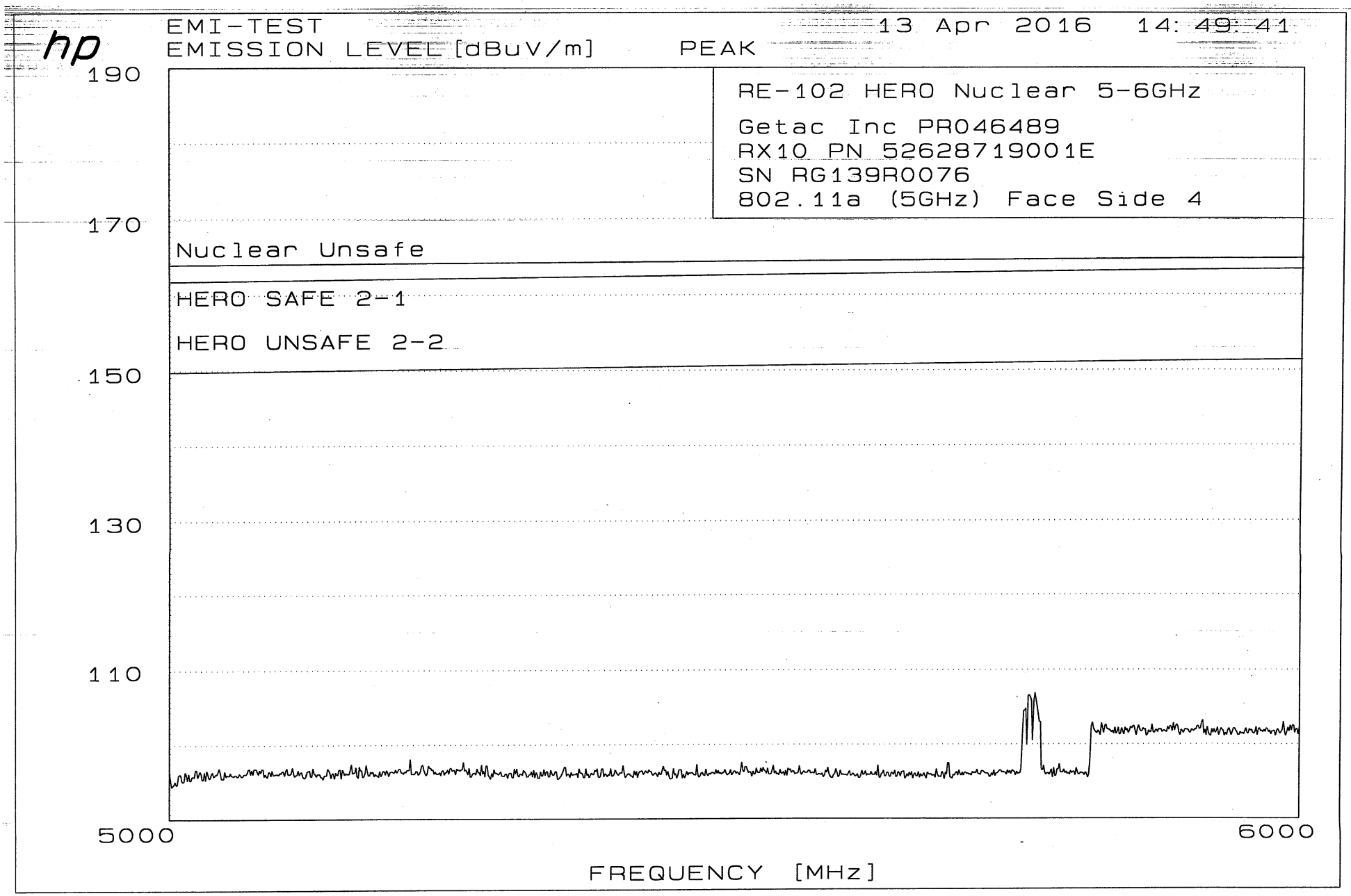
1. MIL-STD 461E setups
   1.39 RE-102 HERO Nuclear 2.3-2.5GHz

==

Peaks above -52 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	2463.8	110	-51.2
2	2460.5	109.6	-51.6

PR046489


hp
EMI-TEST
13 Apr 2016 14:49:41
EMISSION LEVEL [dBuV/m]
PEAK
RE-102 HERO Nuclear 5-6GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11a (5GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
190
170
150
130
110
5000
6000
FREQUENCY [MHz]

EMI-TEST 13 Apr 2016 14:49:41

1. MIL-STD 461E setups
   1.38 RE-102 HERO Nuclear 5-6GHz

Peaks above -45 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	5748.6	106.9	-44.1
2	5743.4	106.6	-44.4

PR046489

EMI-TEST 13 Apr 2016 14:49:41

1. MIL-STD 461E setups
   1.38 RE-102 HERO Nuclear 5-6GHz

Peaks above -57 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	5748.6	106.9	-56.1
2	5743.4	106.6	-56.4

PR046489

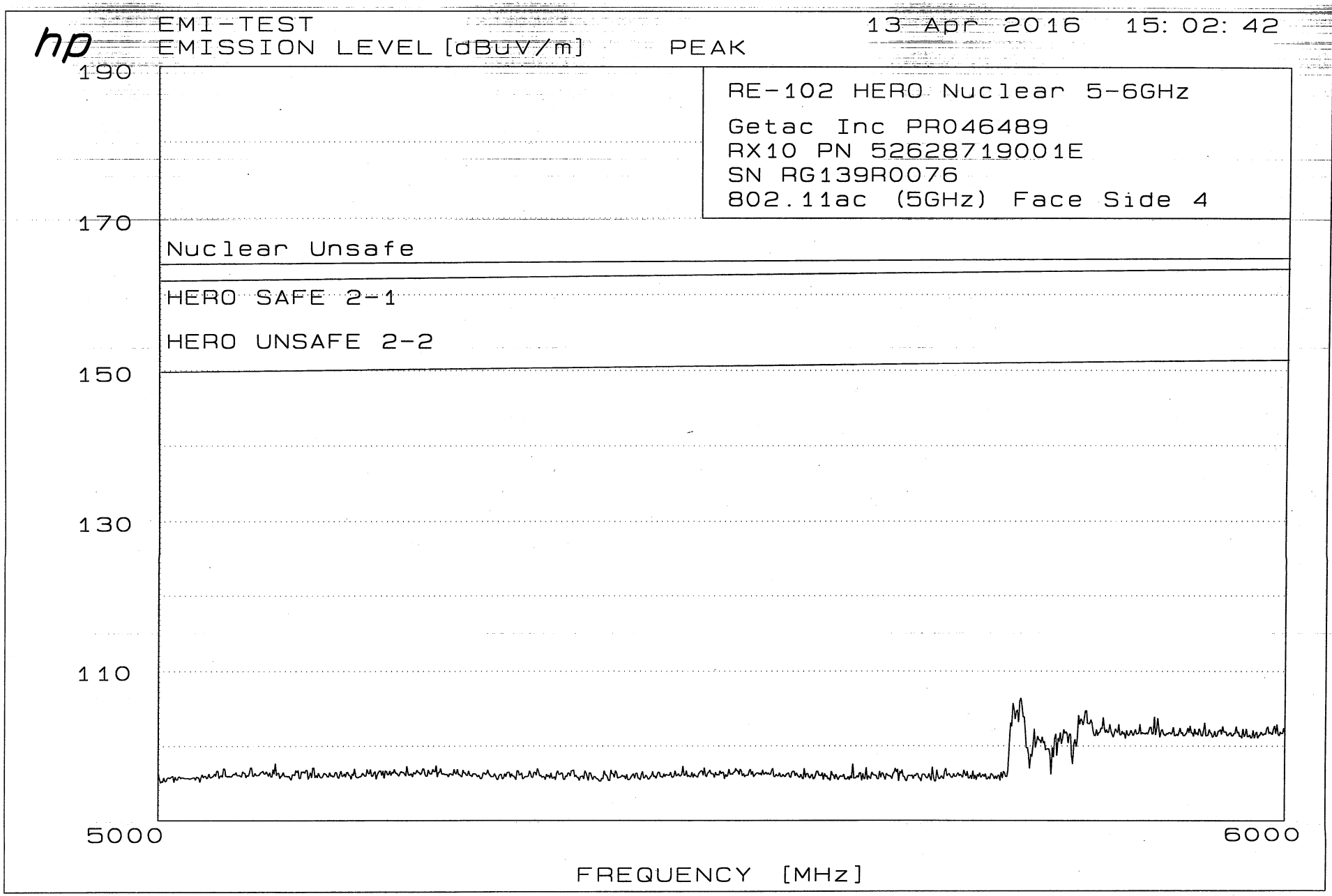
EMI-TEST 13 Apr 2016 14:49:41

1. MIL-STD 461E setups
   1.38 RE-102 HERO Nuclear 5-6GHz

Peaks above -58 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	5748.6	106.9	-57.7

PR046489


hp
EMI-TEST
13 Apr 2016 15: 02: 42
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 5-6GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11ac (5GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
190
170
150
130
110
5000
6000
FREQUENCY [MHz]

```
==========================================================
EMI-TEST                          13 Apr 2016  15:02:42
==========================================================
 1. MIL-STD 461E setups
    1.38  RE-102 HERO Nuclear 5-6GHz
==========================================================
Peaks above -45 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       5747.6              106.4           -44.6
```

PR046489

```
============================================================
EMI-TEST                          13 Apr 2016  15:02:42
============================================================
 1. MIL-STD 461E setups
    1.38  RE-102 HERO Nuclear 5-6GHz
============================================================
Peaks above -57 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       5747.6              106.4           -56.6
```

PR046489

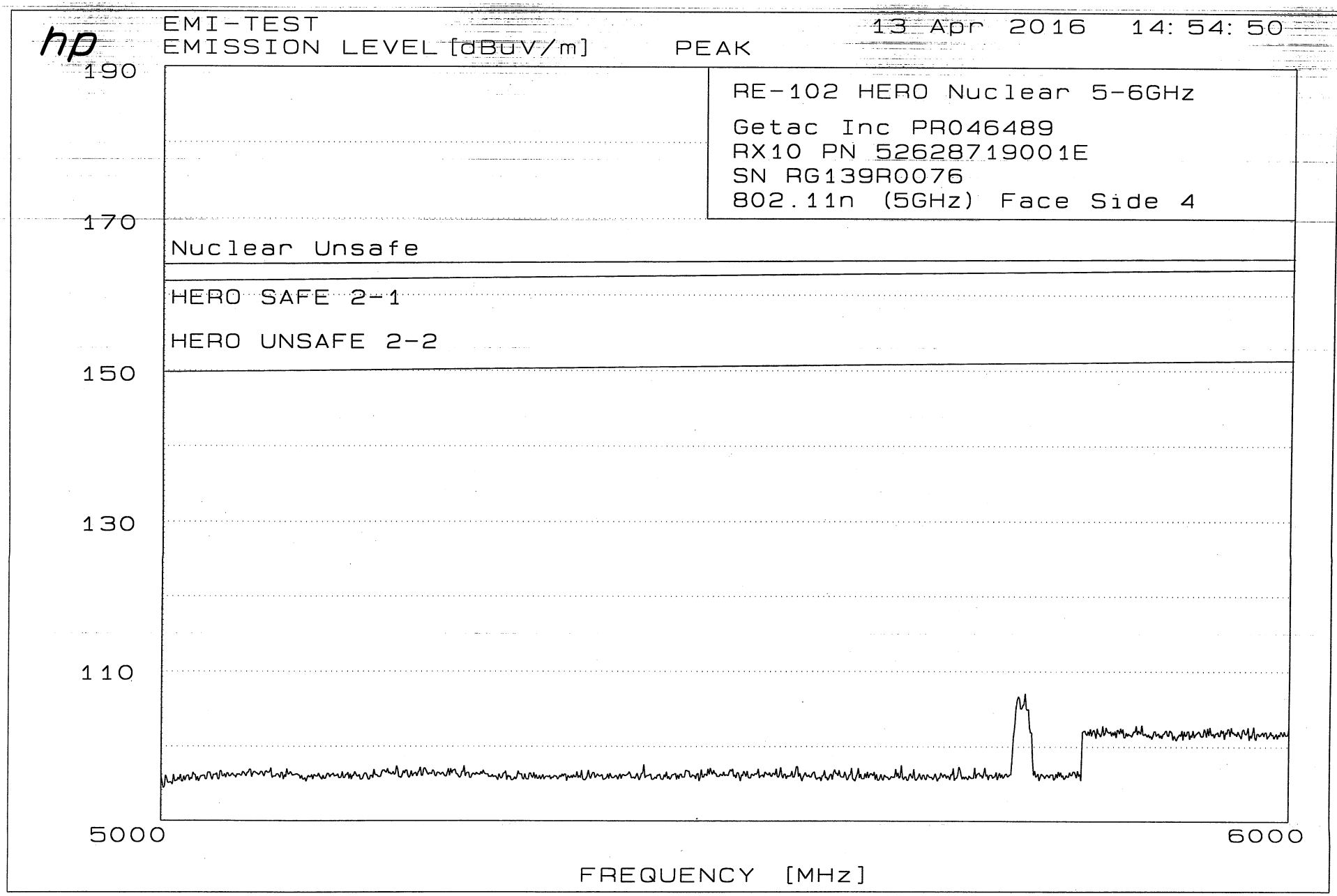
EMI-TEST 13 Apr 2016 15:02:42

1. MIL-STD 461E setups
   1.38 RE-102 HERO Nuclear 5-6GHz

Peaks above -59 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	5747.6	106.4	-58.2

PR046489


hp
EMI-TEST
EMISSION LEVEL [dBuV/m]
PEAK
13 Apr 2016 14:54:50
RE-102 HERO Nuclear 5-6GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076
802.11n (5GHz) Face Side 4
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
190
170
150
130
110
5000
6000
FREQUENCY [MHz]

===

EMI-TEST 13 Apr 2016 14:54:50

===

1. MIL-STD 461E setups
   1.38 RE-102 HERO Nuclear 5-6GHz

===

Peaks above -44 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	5747.6	107.1	-43.9

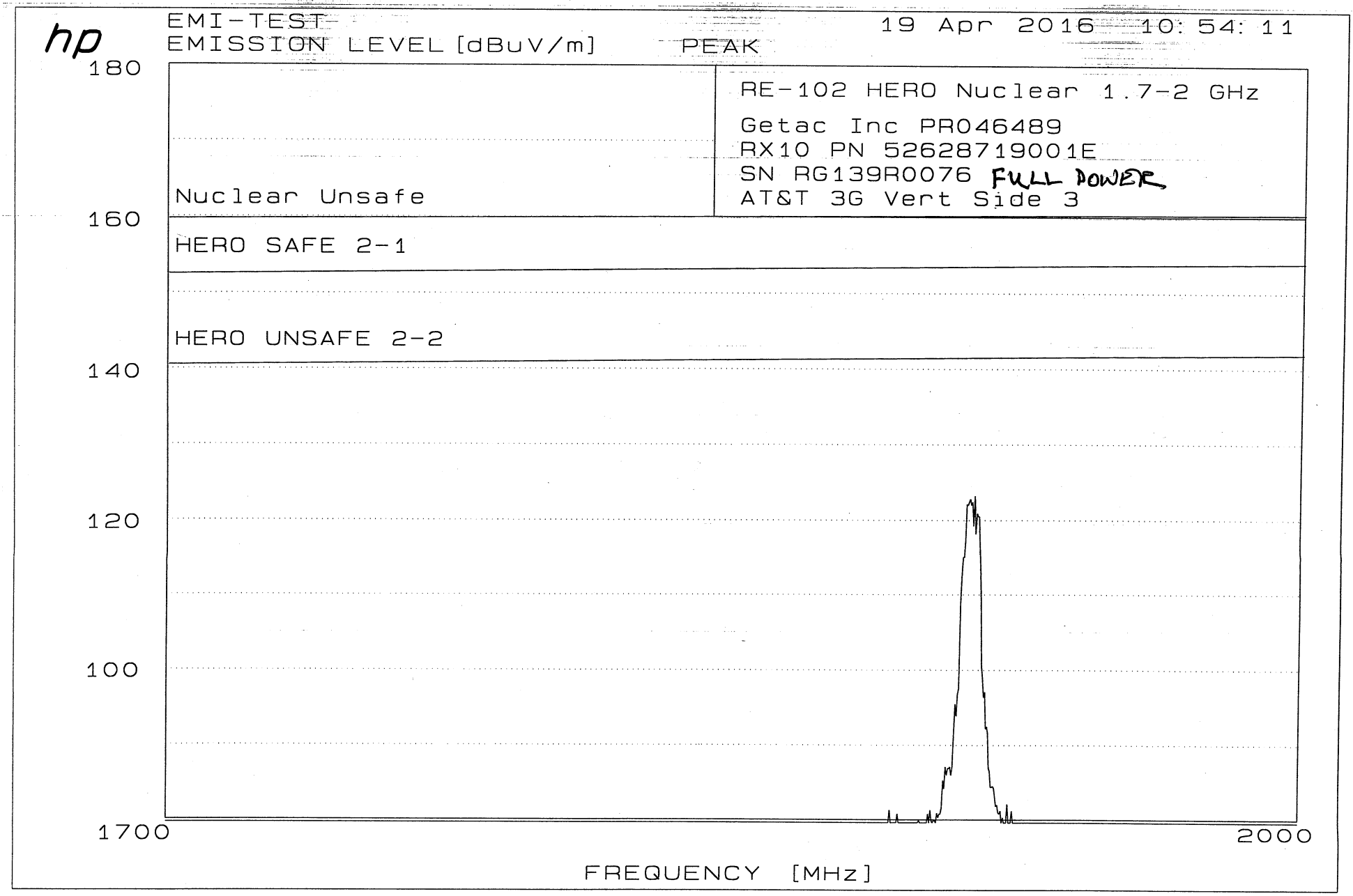
PR046489

```
==========================================================
EMI-TEST                          13 Apr 2016  14:54:50
==========================================================
 1. MIL-STD 461E setups
    1.38  RE-102 HERO Nuclear 5-6GHz
==========================================================
Peaks above -56 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#     FREQ (MHz)        (dBuV/m)      DELTA
  1       5747.6            107.1         -55.9
```

PR046489

```
==========================================================
EMI-TEST                          13 Apr 2016  14:54:50
==========================================================
1. MIL-STD 461E setups
   1.38  RE-102 HERO Nuclear 5-6GHz
==========================================================
Peaks above -58 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#     FREQ (MHz)        (dBuV/m)       DELTA
  1      5747.6             107.1          -57.5
```

PR046489


hp
EMI-TEST
EMISSION LEVEL [dBuV/m]
PEAK
19 Apr 2016 10:54:11
RE-102 HERO Nuclear 1.7-2 GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 FULL POWER
AT&T 3G Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
1700
2000
FREQUENCY [MHz]

EMI-TEST 19 Apr 2016 10:54:11

PR046489

1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

Peaks above -20 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1908.6	123.2	-18.3

EMI-TEST 19 Apr 2016 10:54:11

PR046489

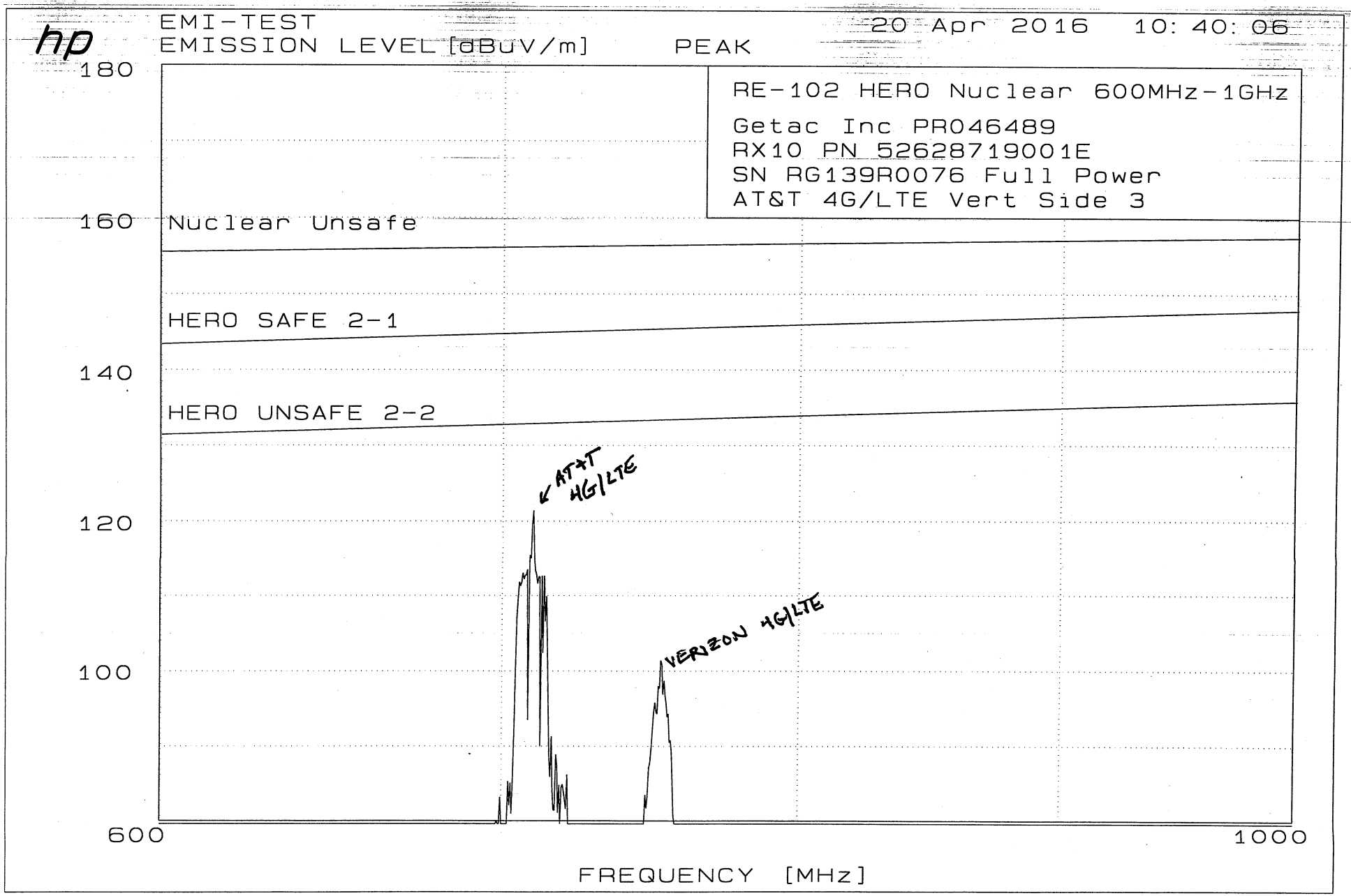
1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

Peaks above -35 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1908.6	123.2	-30.3

```
============================================================
EMI-TEST                                19 Apr 2016  10:54:11
============================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
============================================================
Peaks above -40 dB of Limit Line #3
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1       1908.6              123.2          -36.9
```

PR046489


EMI-TEST
20 Apr 2016 10:40:06
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 Full Power
AT&T 4G/LTE Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
AT&T 4G/LTE
VERIZON 4G/LTE
180
160
140
120
100
600
1000
FREQUENCY [MHz]

EMI-TEST 20 Apr 2016 10:40:06

PR046489

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -12 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	709.69	121.4	-11.5

```
EMI-TEST                                    20 Apr 2016  10:40:06
```

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -35 dB of Limit Line #3
peak criteria = 6 dB

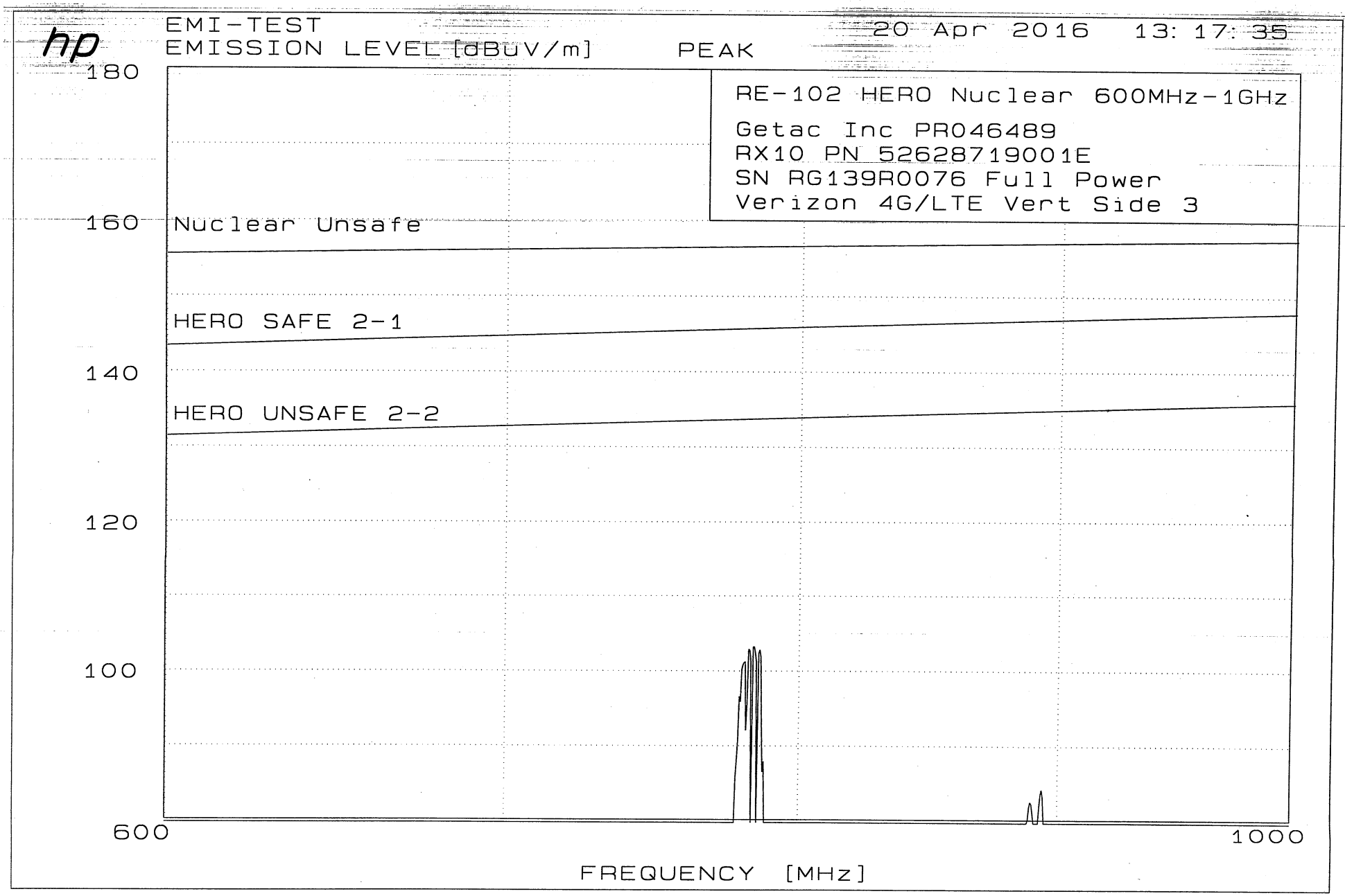
PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	709.69	121.4	-34.7

EMI-TEST 20 Apr 2016 10:40:06

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -24 dB of Limit Line #2
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	709.69	121.4	-23.5


EMI-TEST
20 Apr 2016 13:17:35
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 Full Power
Verizon 4G/LTE Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]

PR046489

EMI-TEST 20 Apr 2016 13:17:35

1. MIL-STD 461E setups
1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -31 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	783.54	103.2	-30.6
2	781.94	102.9	-30.8

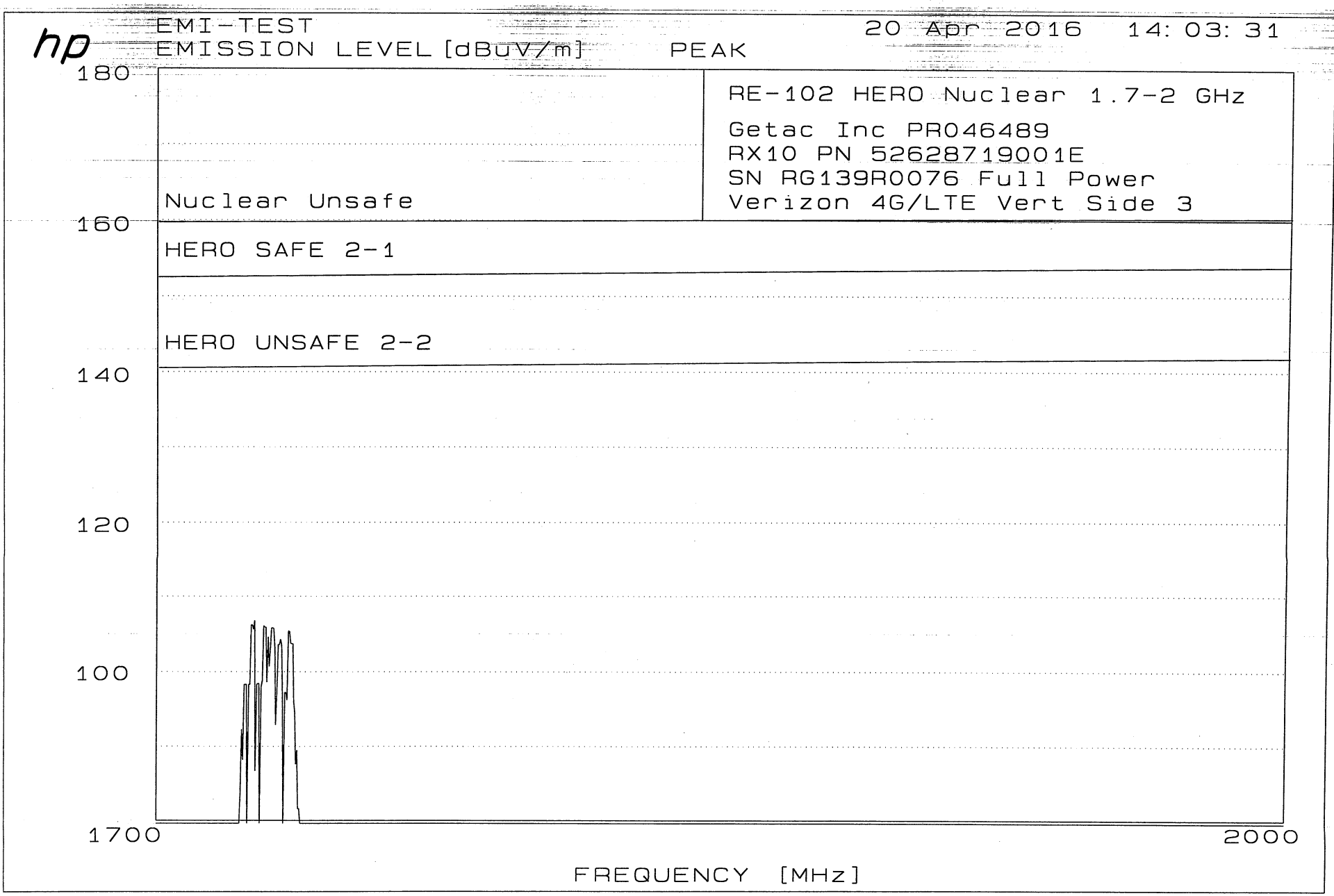
```
EMI-TEST                                    20 Apr 2016  13:17:35
==========================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
==========================================================
Peaks above -43 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#     FREQ (MHz)          (dBuV/m)        DELTA
  1       783.54              103.2           -42.6
  2       781.94              102.9           -42.8
```

EMI-TEST 20 Apr 2016 13:17:35

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -54 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	783.54	103.2	-53.3
2	781.94	102.9	-53.6
3	785.94	102.8	-53.7


EMI-TEST
20 Apr 2016 14:03:31
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 1.7-2 GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 Full Power
Verizon 4G/LTE Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
1700
2000
FREQUENCY [MHz]

PR046489

===

EMI-TEST 20 Apr 2016 14:03:31

===

1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

===

Peaks above -34 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1723.9	106.8	-33.8

==

EMI-TEST 20 Apr 2016 14:03:31

==

1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

==

Peaks above -46 dB of Limit Line #2
  peak criteria = 6 dB

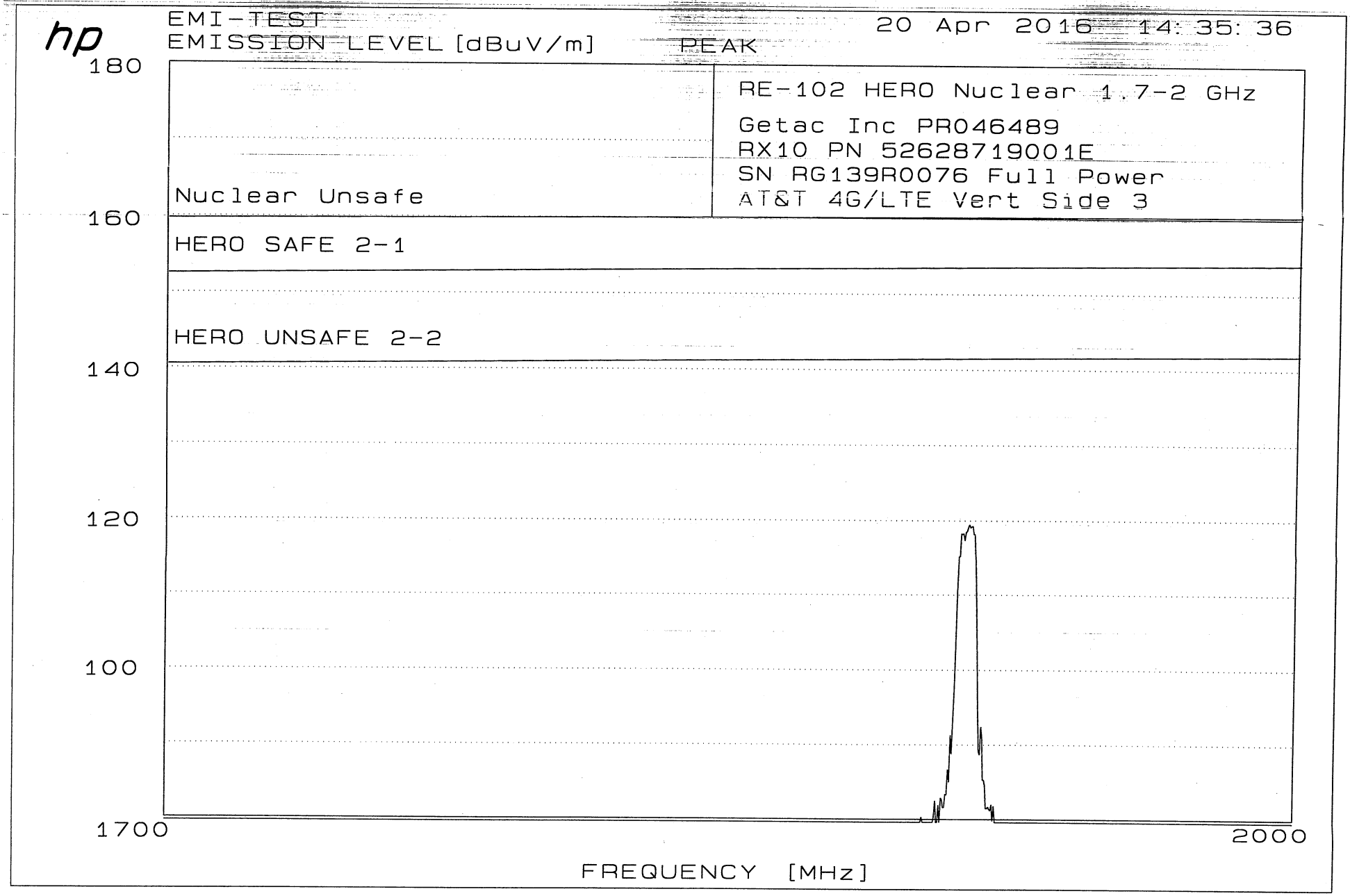
PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1723.9	106.8	-45.8

EMI-TEST 20 Apr 2016 14:03:31

1. MIL-STD 461E setups
   1.41 RE-102 HERO Nuclear 1.7-2 GHz

Peaks above -53 dB of Limit Line #3
peak criteria = 6 dB

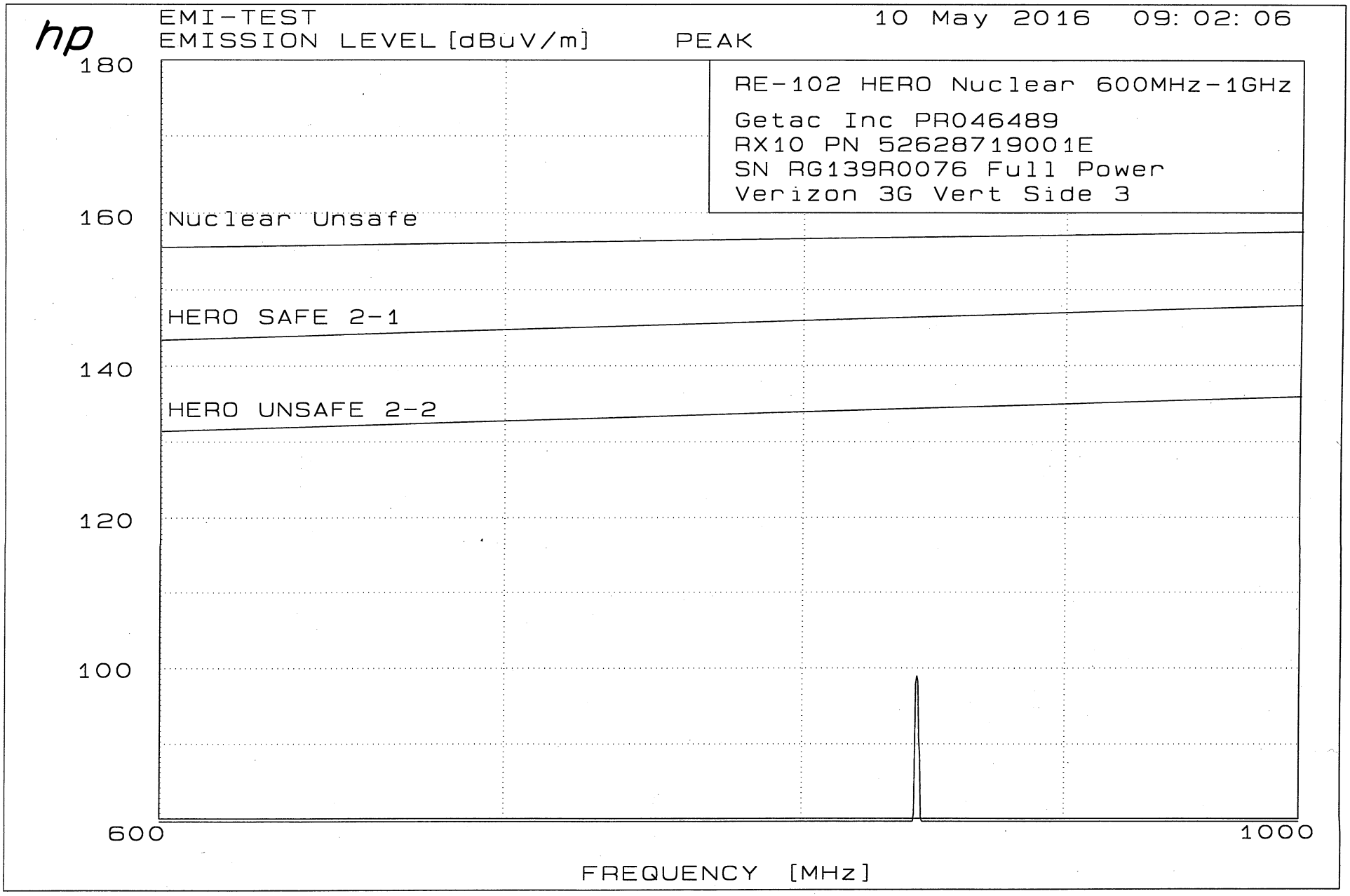
PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	1723.9	106.8	-52.9


hp
EMI-TEST
EMISSION LEVEL [dBuV/m]
PEAK
20 Apr 2016 14:35:36
RE-102 HERO Nuclear 1.7-2 GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 Full Power
AT&T 4G/LTE Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
1700
2000
FREQUENCY [MHz]

```
EMI-TEST                                    20 Apr 2016  14:35:36
==========================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
==========================================================
Peaks above -23 dB of Limit Line #1
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1       1908.3              119.5          -22.0
```

```
EMI-TEST                                    20 Apr 2016  14:35:36
================================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
================================================================
Peaks above -35 dB of Limit Line #2
  peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1       1908.3              119.5          -34.0
```

```
EMI-TEST                                    20 Apr 2016  14:35:36
==========================================================
 1. MIL-STD 461E setups
    1.41  RE-102 HERO Nuclear 1.7-2 GHz
==========================================================
Peaks above -41 dB of Limit Line #3
 peak criteria = 6 dB

PEAK#    FREQ (MHz)          (dBuV/m)        DELTA
  1       1908.3              119.5          -40.6
```


hp
EMI-TEST
10 May 2016 09: 02: 06
EMISSION LEVEL [dBuV/m] PEAK
RE-102 HERO Nuclear 600MHz-1GHz
Getac Inc PR046489
RX10 PN 52628719001E
SN RG139R0076 Full Power
Verizon 3G Vert Side 3
Nuclear Unsafe
HERO SAFE 2-1
HERO UNSAFE 2-2
180
160
140
120
100
600
1000
FREQUENCY [MHz]

EMI-TEST 10 May 2016 09:02:06

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -40 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	842.43	99	-35.4

```
================================================================
EMI-TEST                                  10 May 2016  09:02:06
================================================================
 1. MIL-STD 461E setups
    1.40  RE-102 HERO Nuclear 600MHz-1GHz
================================================================
Peaks above -50 dB of Limit Line #2
  peak criteria = 6 dB
```

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	842.43	99	-47.4

EMI-TEST 10 May 2016 09:02:06

1. MIL-STD 461E setups
   1.40 RE-102 HERO Nuclear 600MHz-1GHz

Peaks above -60 dB of Limit Line #3
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV/m)	DELTA
1	842.43	99	-57.8

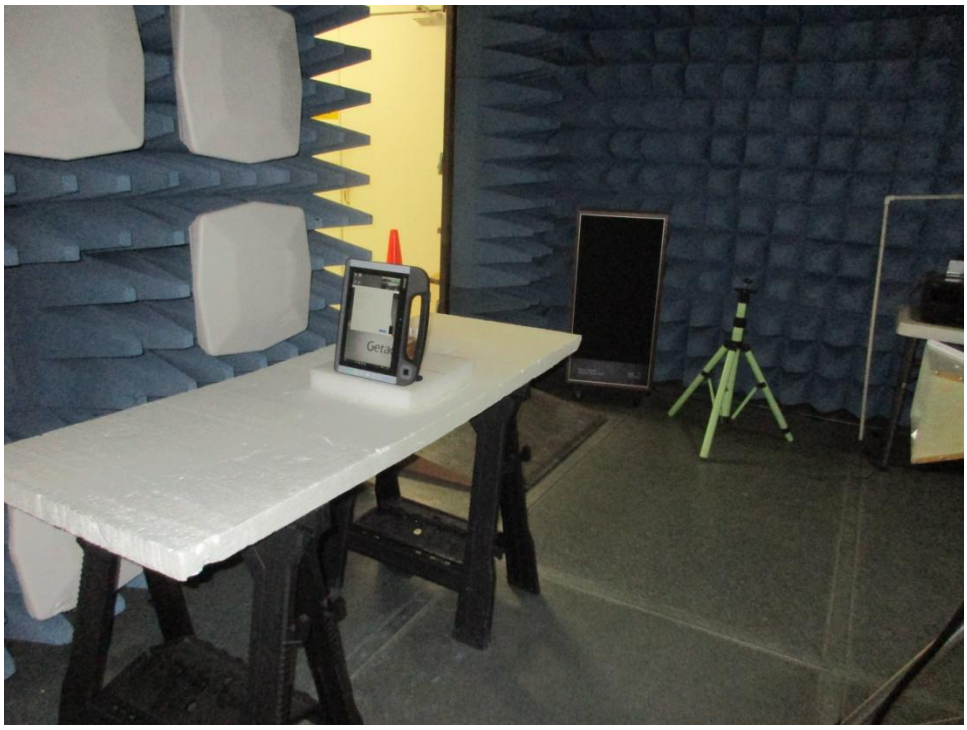
EQUIPMENT LIST

NTS ID	Description	Last Cal	Cal Due
EMI HERO (RE102)	*11-Apr-16*		
JV043 (Old ID #) JV043	HP Spec. analyzer, Option 462 Impulse Bandwidth Model No: 85662A Serial No: 3026A19911	20-Nov-15	30-Nov-16
JV044 (Old ID #) JV044	HP Spectrum analyzer Model No: 8566B Serial No: 3014A07158	20-Nov-15	30-Nov-16
JV045 (Old ID #) JV045	HP RF Preselector 20Hz - 2GHz Model No: 85685A Serial No: 2724A00672	20-Nov-15	30-Nov-16
TE0661 (Old ID #) TE0661	Emco Double Ridged Horn 1-18GHz Model No: 3115 Serial No: 2751	14-Jul-14	31-Jul-16
TE0783 (Old ID #) TE0783	EMCO Double Ridged Horn 200 - 2000 MHz Model No: 3106 Serial No: 2079	15-Jul-14	31-Jul-16
TE1207 (Old ID #) TE1207	Panashield EMI Chamber 20(W) x28x (D) x12(H) Model No: Custom Serial No:	MO	NCR

MO: Maintenance Only
NCR: No Calibration Required
VAT: Verified at Test
NPCR: No Periodic Calibration Required
FIO: For Indication Only

11 April 2016 -- HERO Wi-Fi Vertical Edge 4
Getac Inc. Tablet, P/N F110, S/N RF539F0595 & RF539F0597

13 April 2016 -- HERO Wi-Fi Vertical-Face Edge 4 Down
Getac Inc. Tablet, P/N RX10, S/N RG139R0076



19 April 2016 -- HERO Cellular Vertical Edge 3
Getac Inc. Tablet, P/N RX10, S/N RG139R0076

End of Report