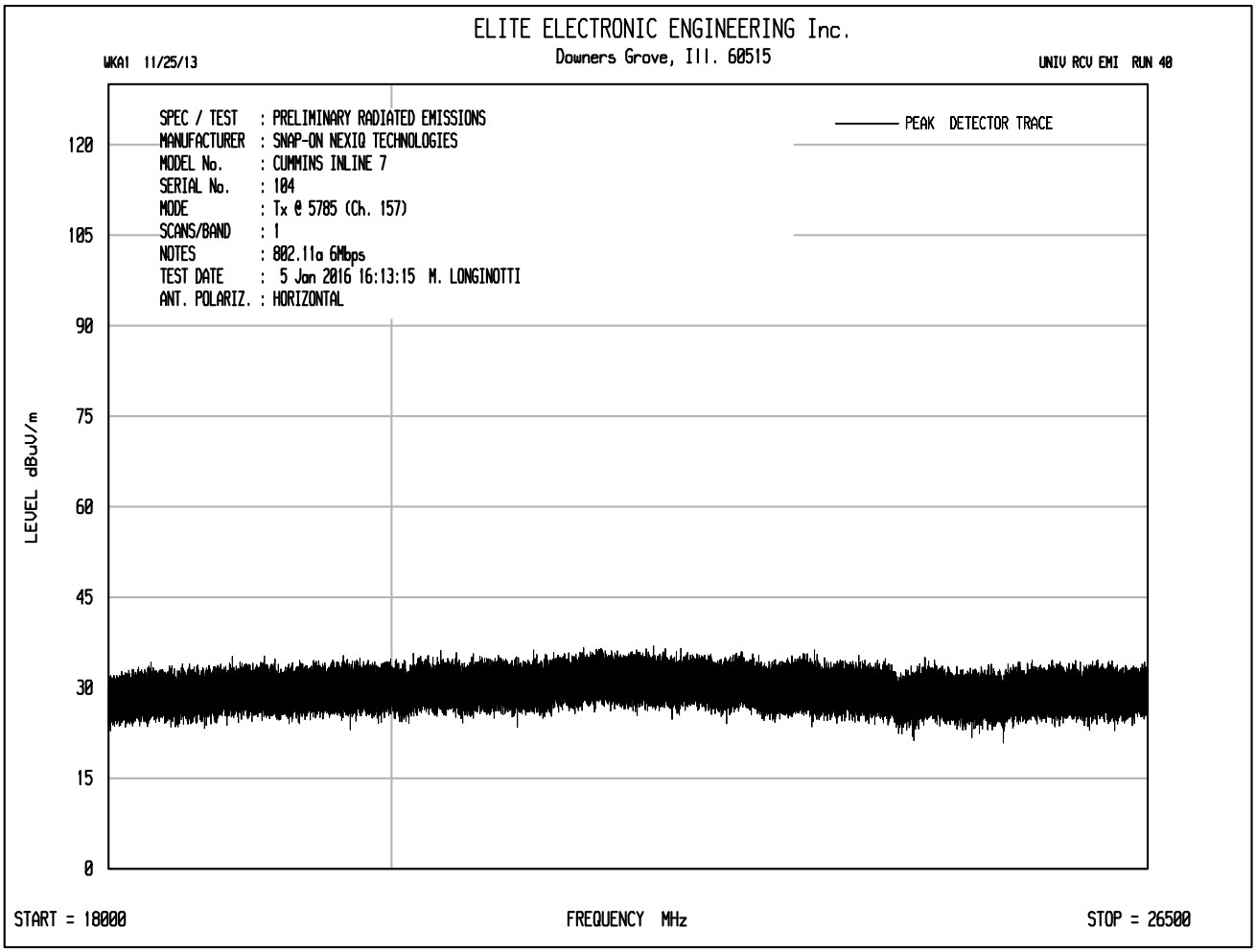
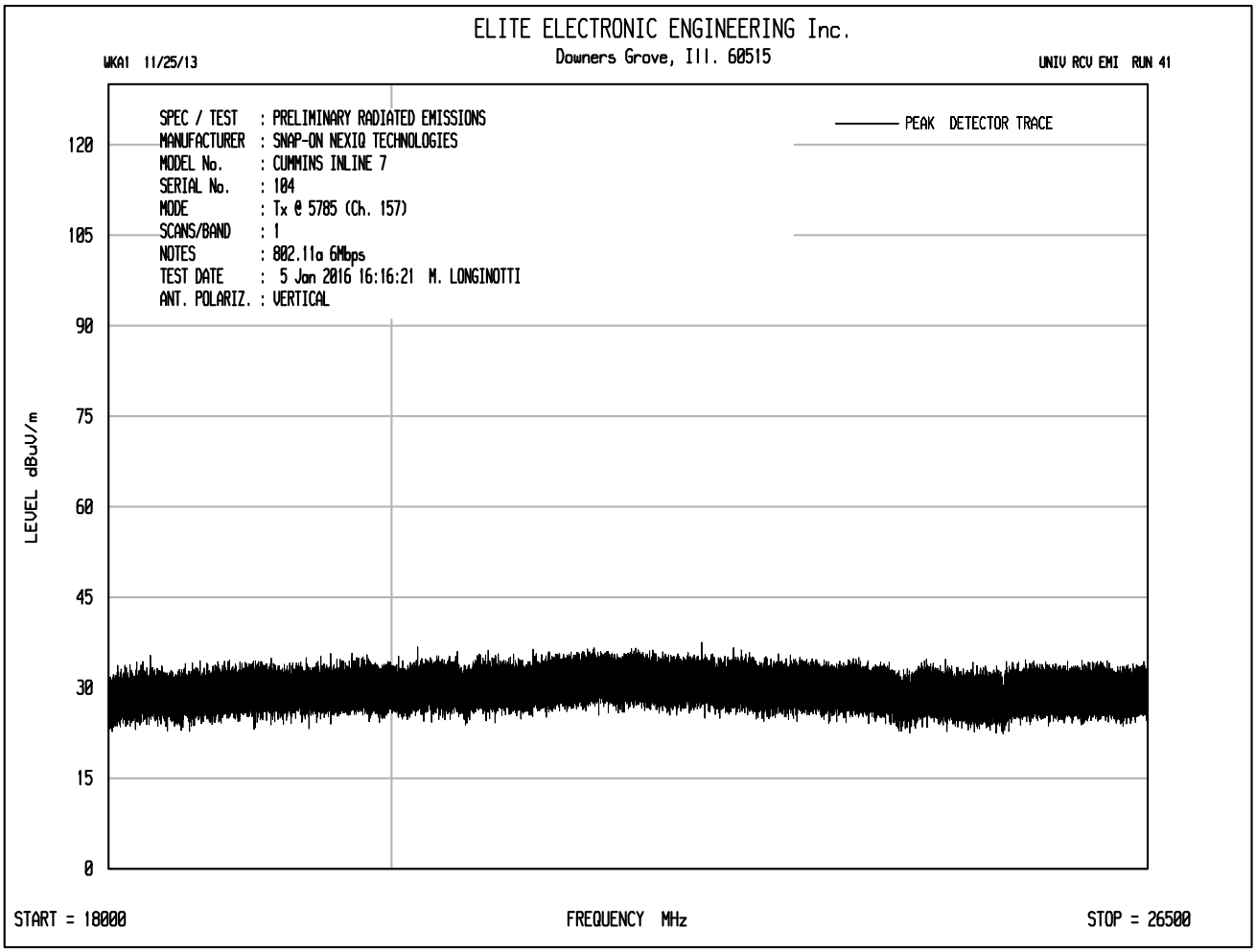
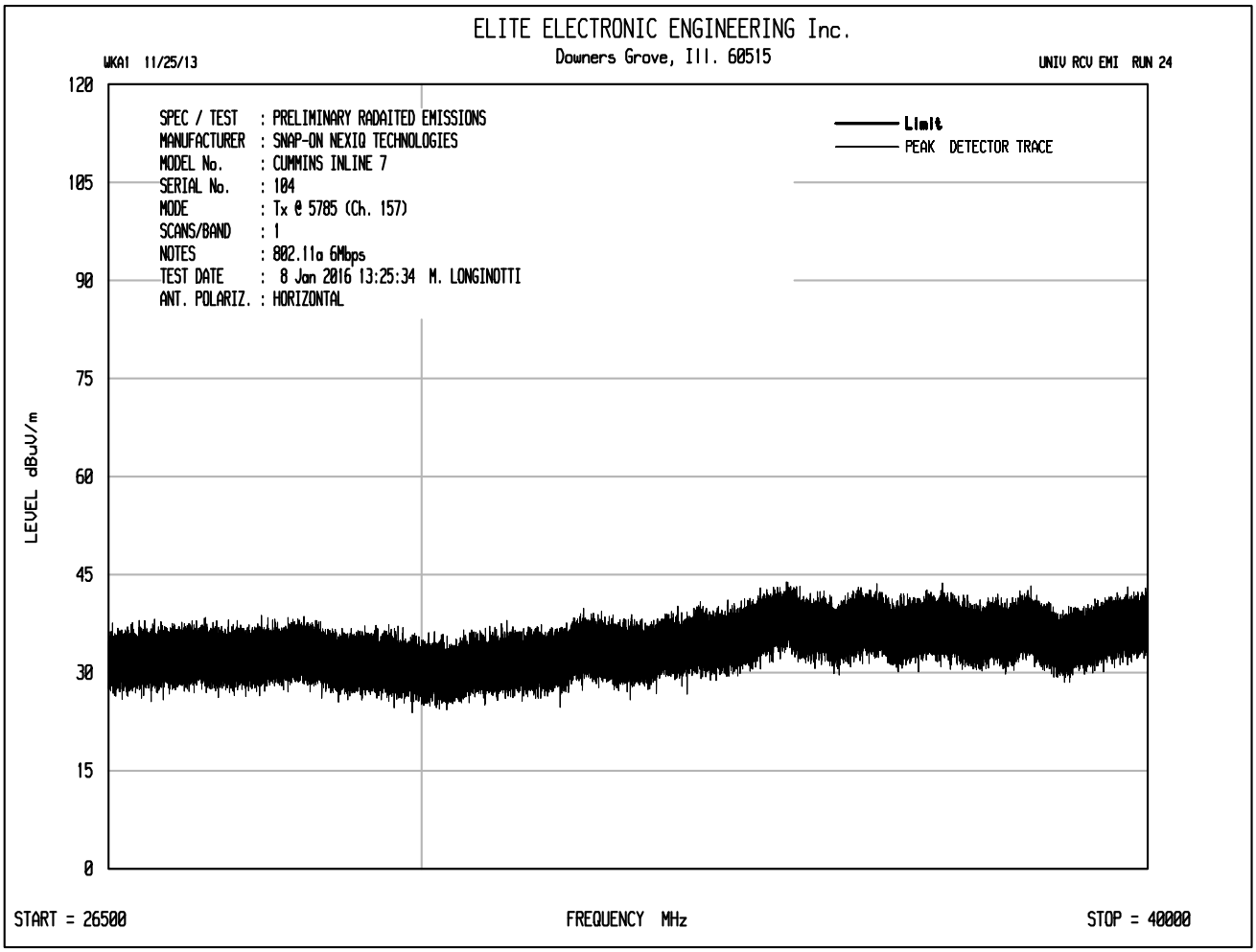
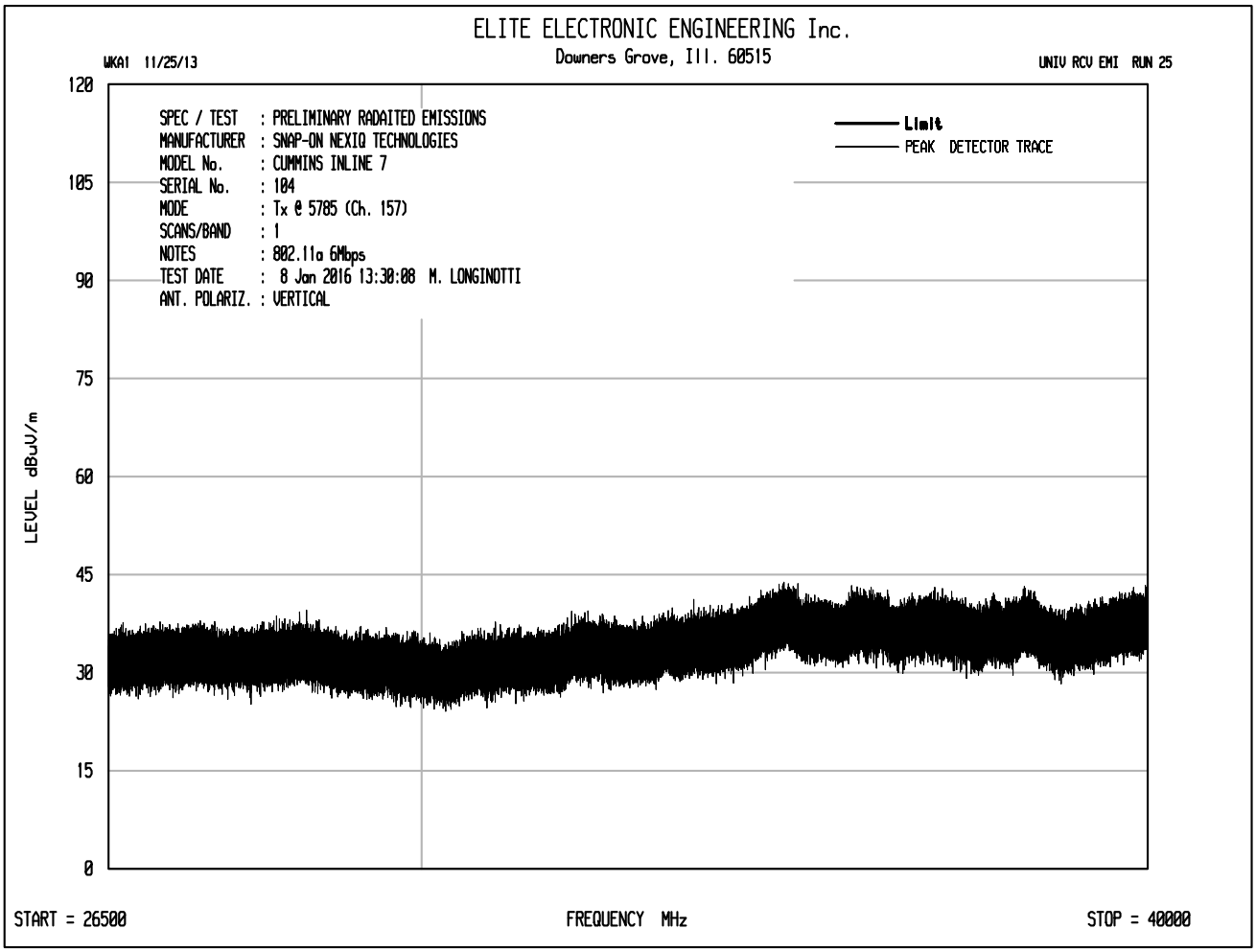
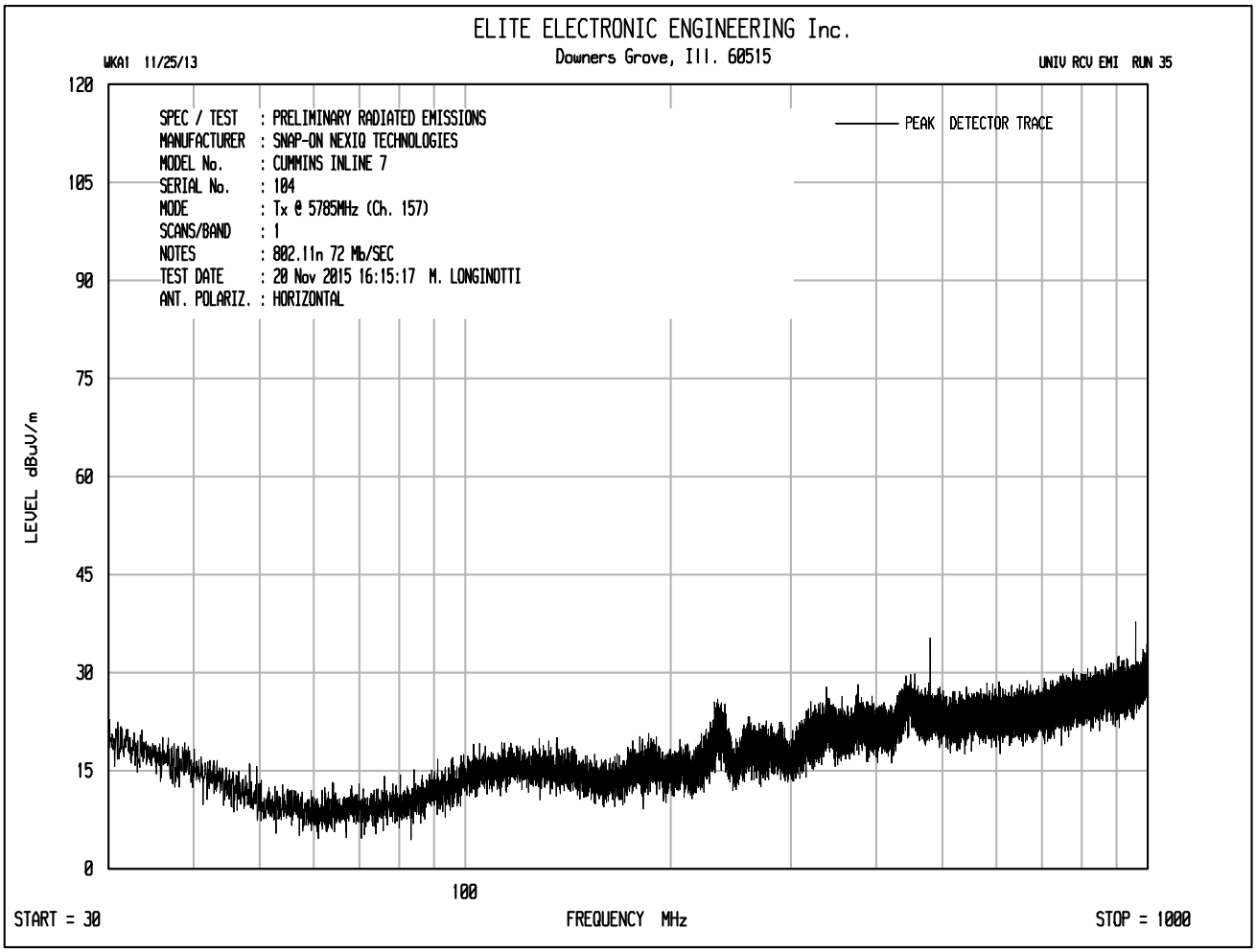
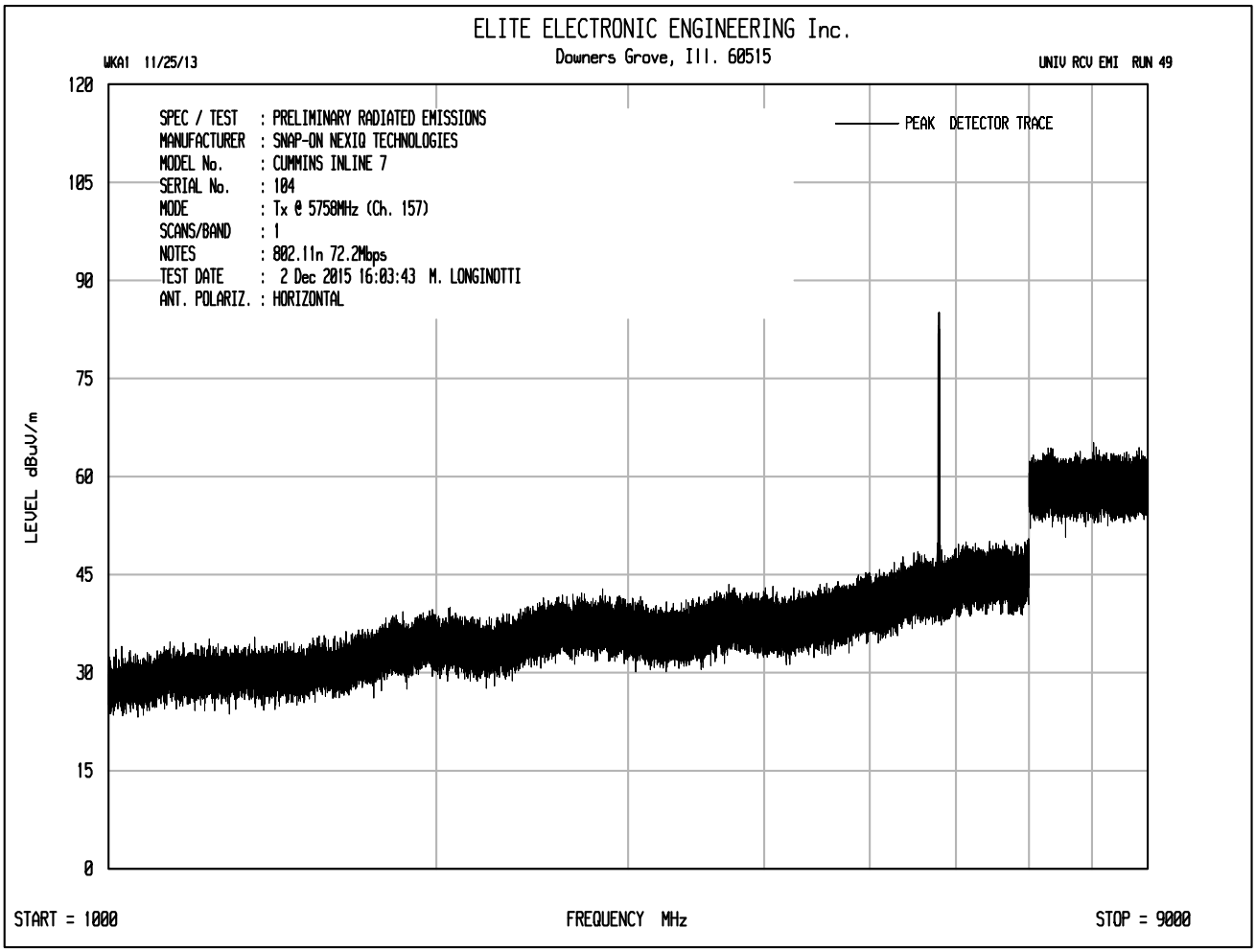

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 40
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 5 Jan 2016 16:13:15 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500

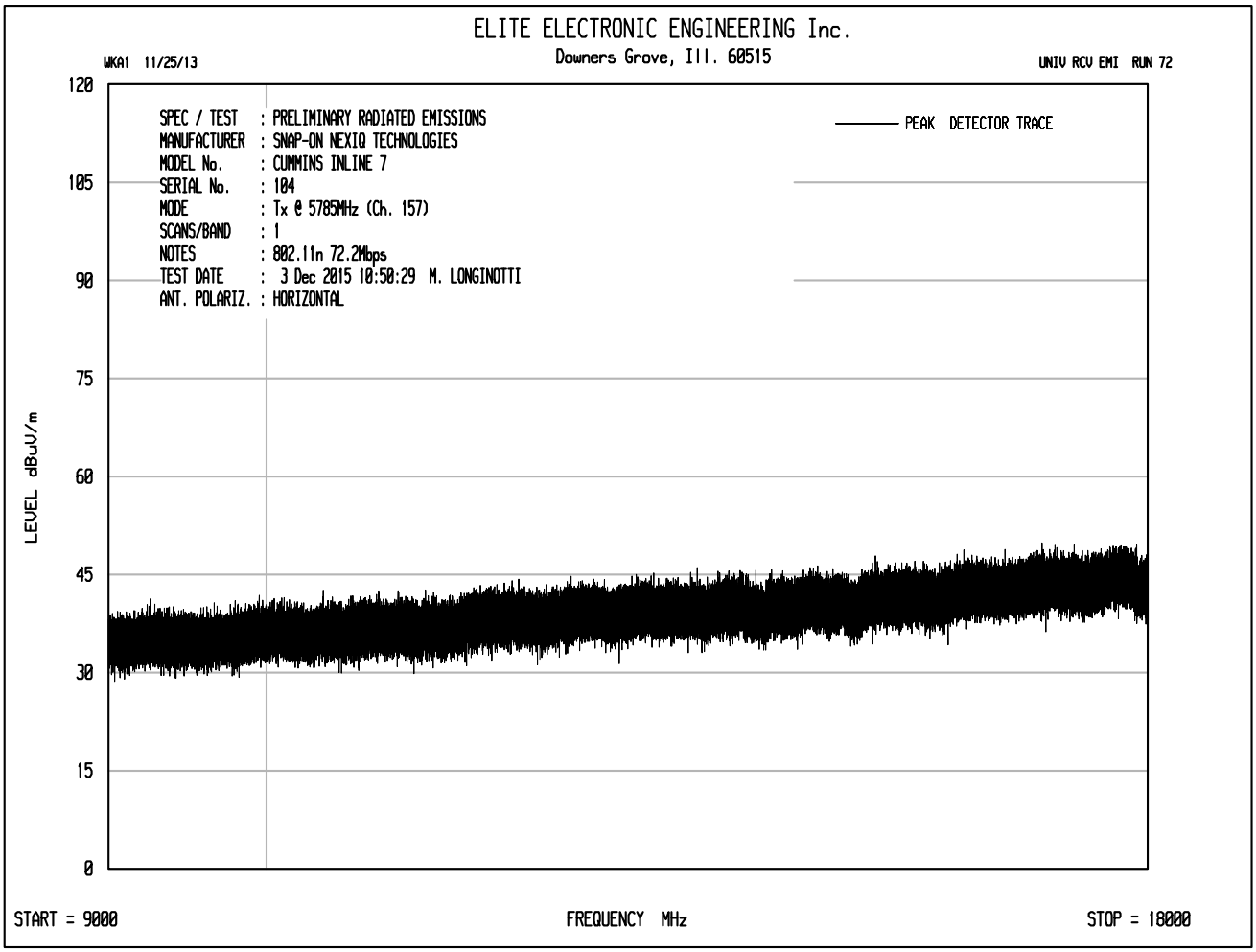

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 41
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 5 Jan 2016 16:16:21 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500

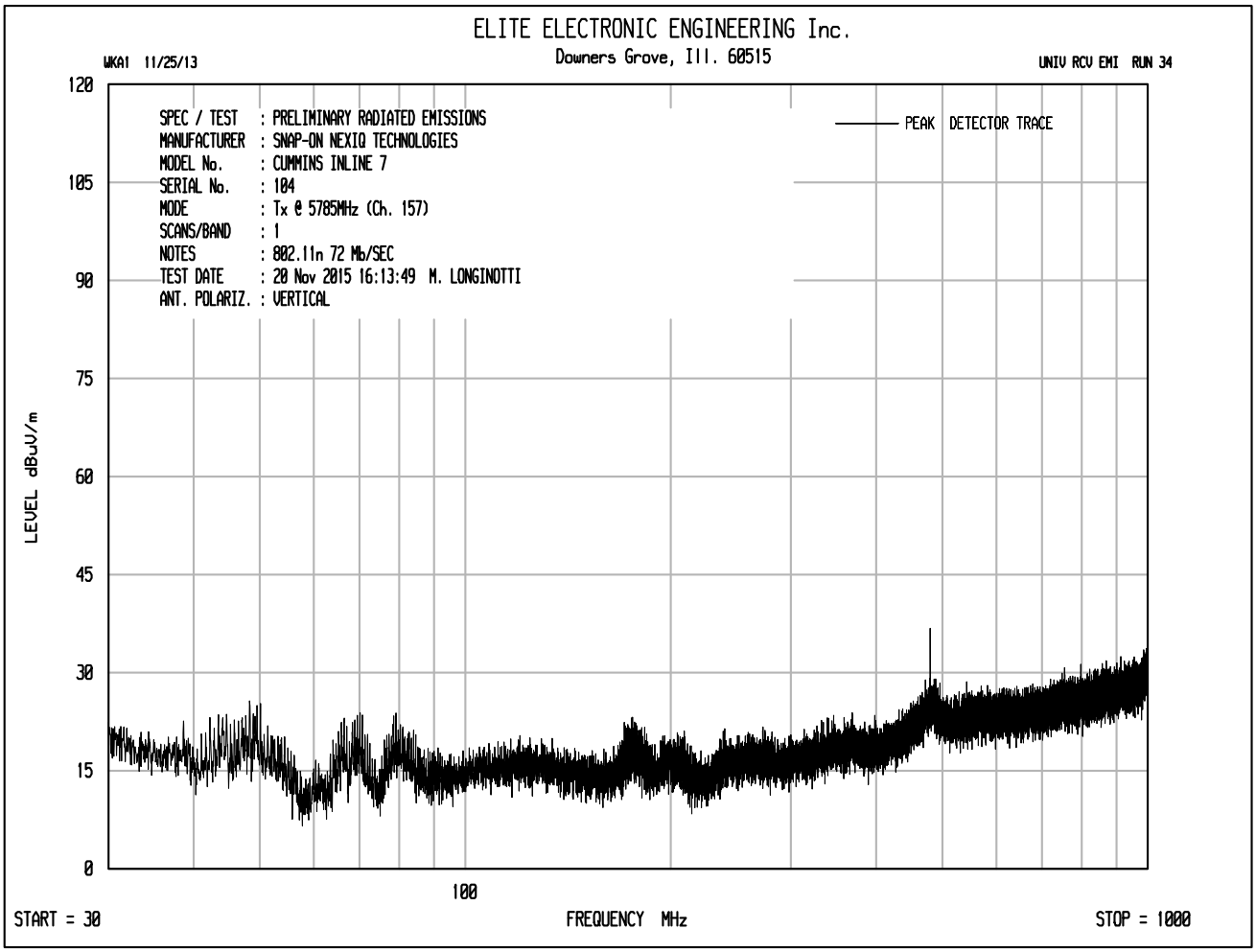

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 24
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 8 Jan 2016 13:25:34 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

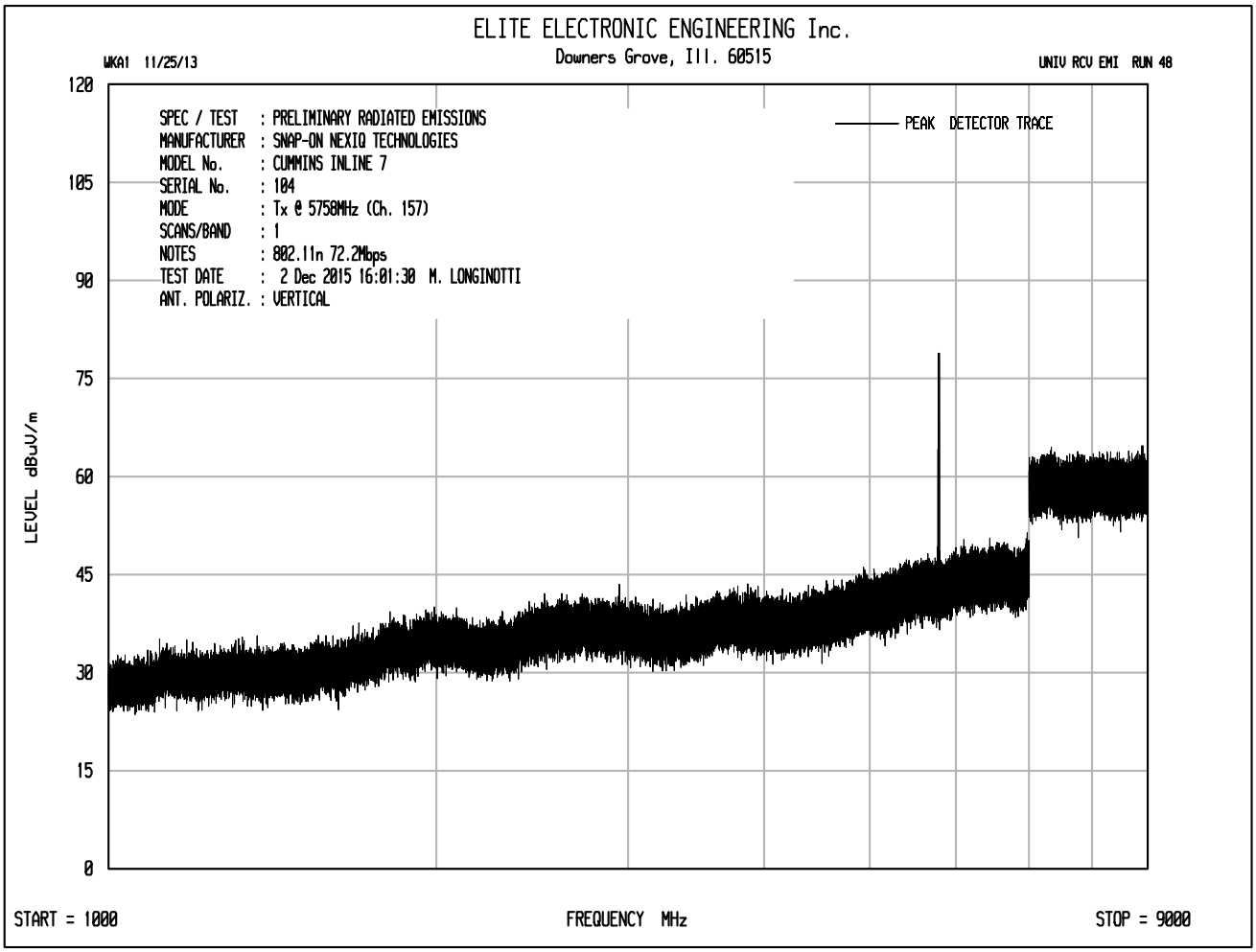

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 25
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 8 Jan 2016 13:30:08 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

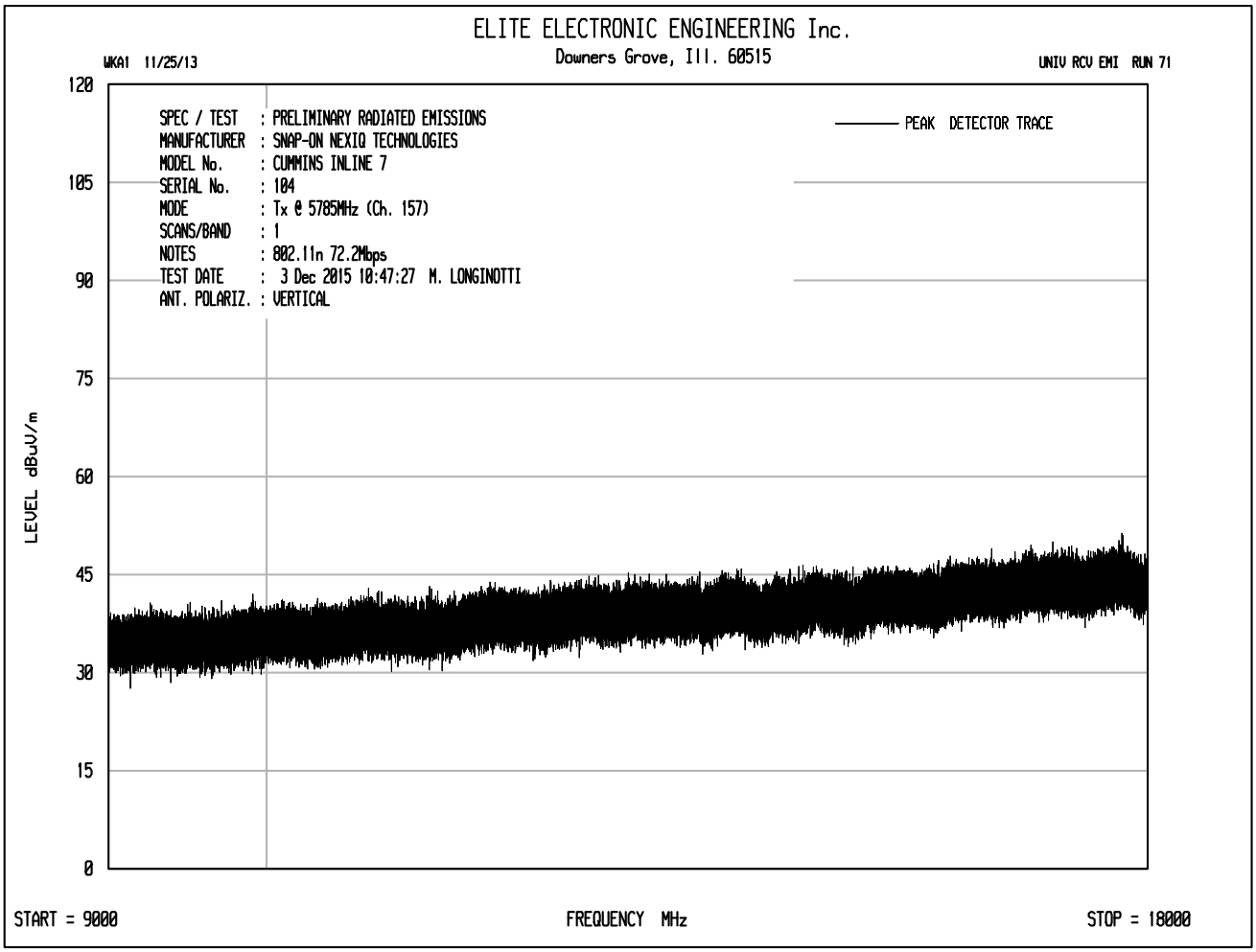

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 35
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72 Mb/SEC
TEST DATE : 20 Nov 2015 16:15:17 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

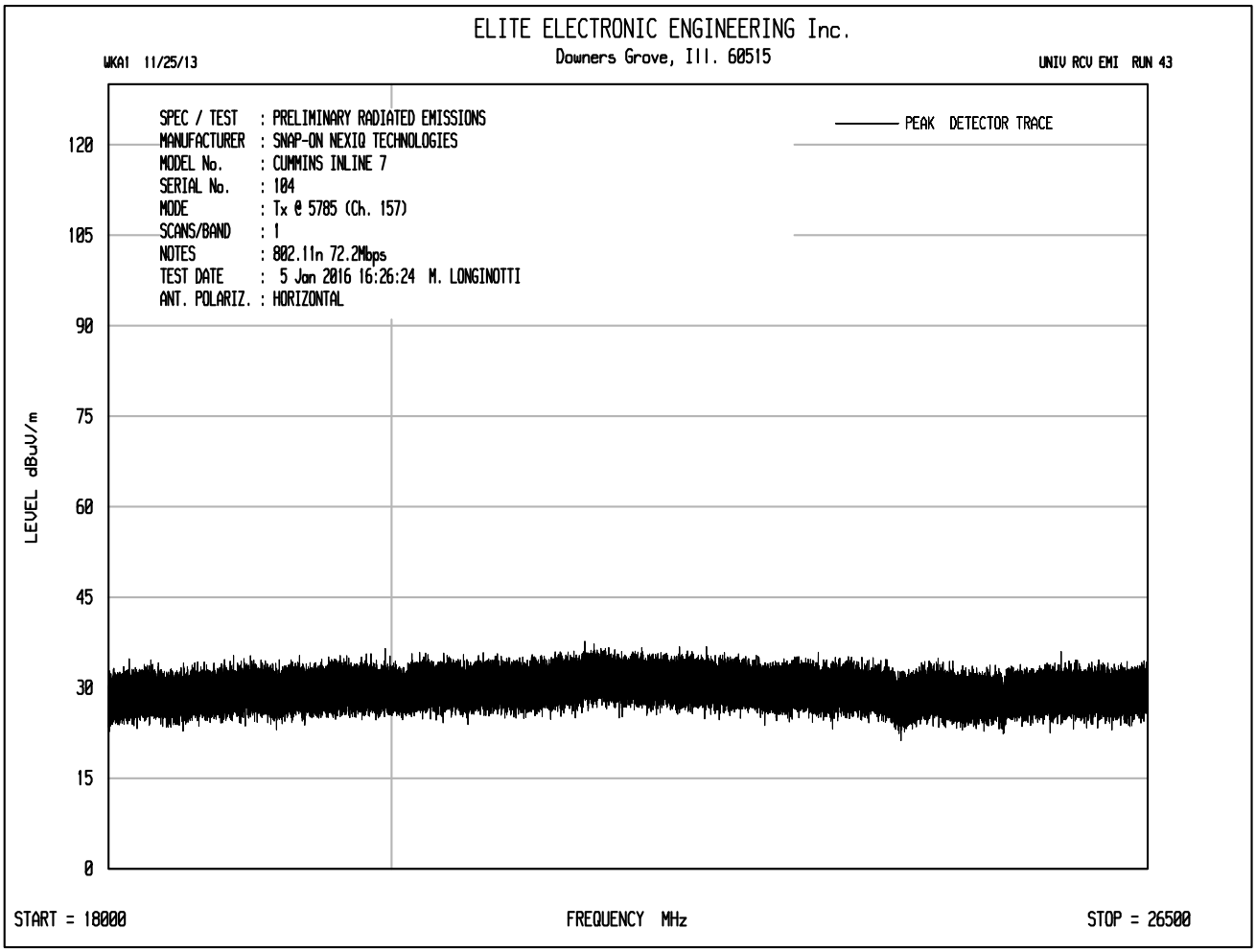

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 49
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5758MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 2 Dec 2015 16:03:43 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

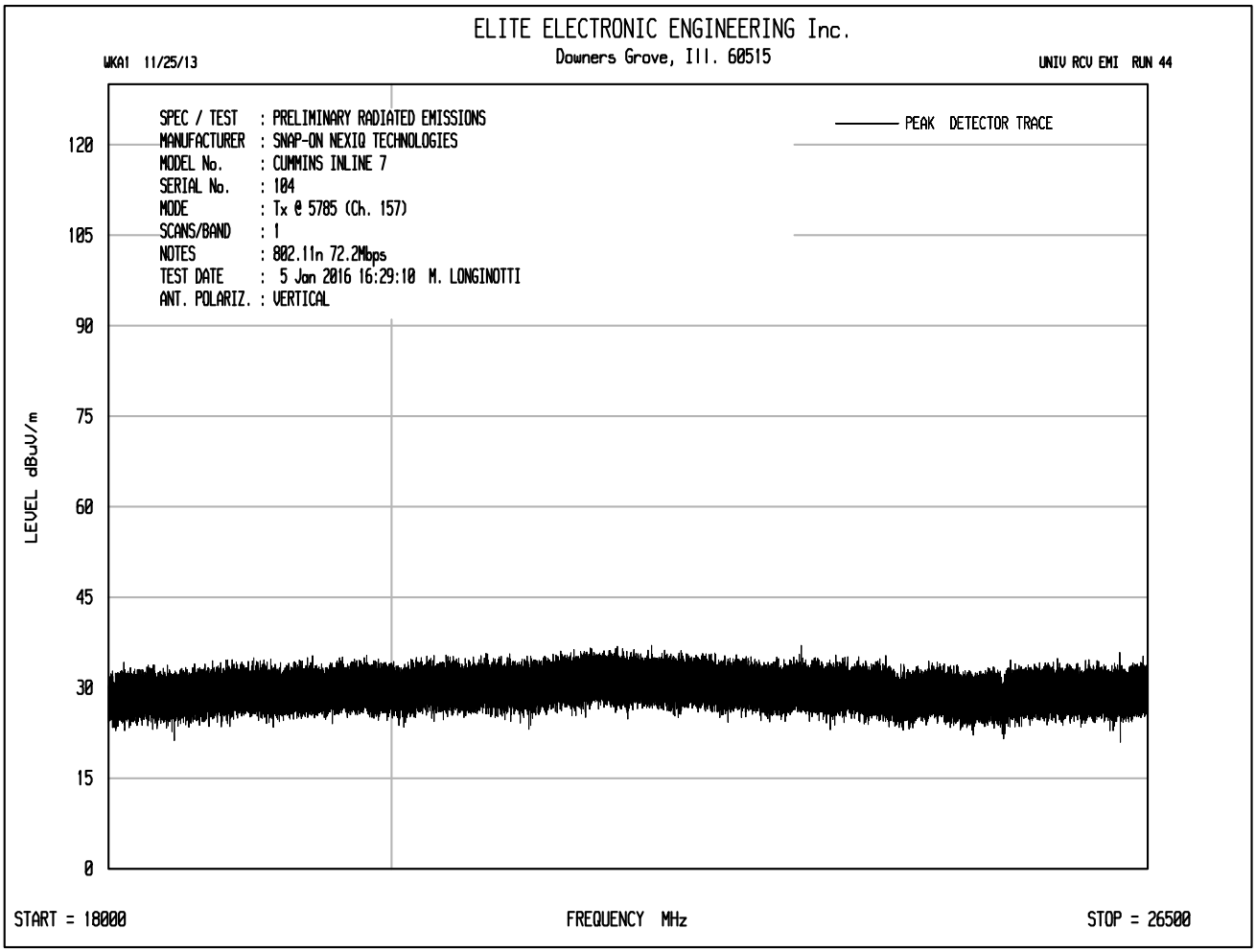

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 72
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 3 Dec 2015 10:50:29 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000

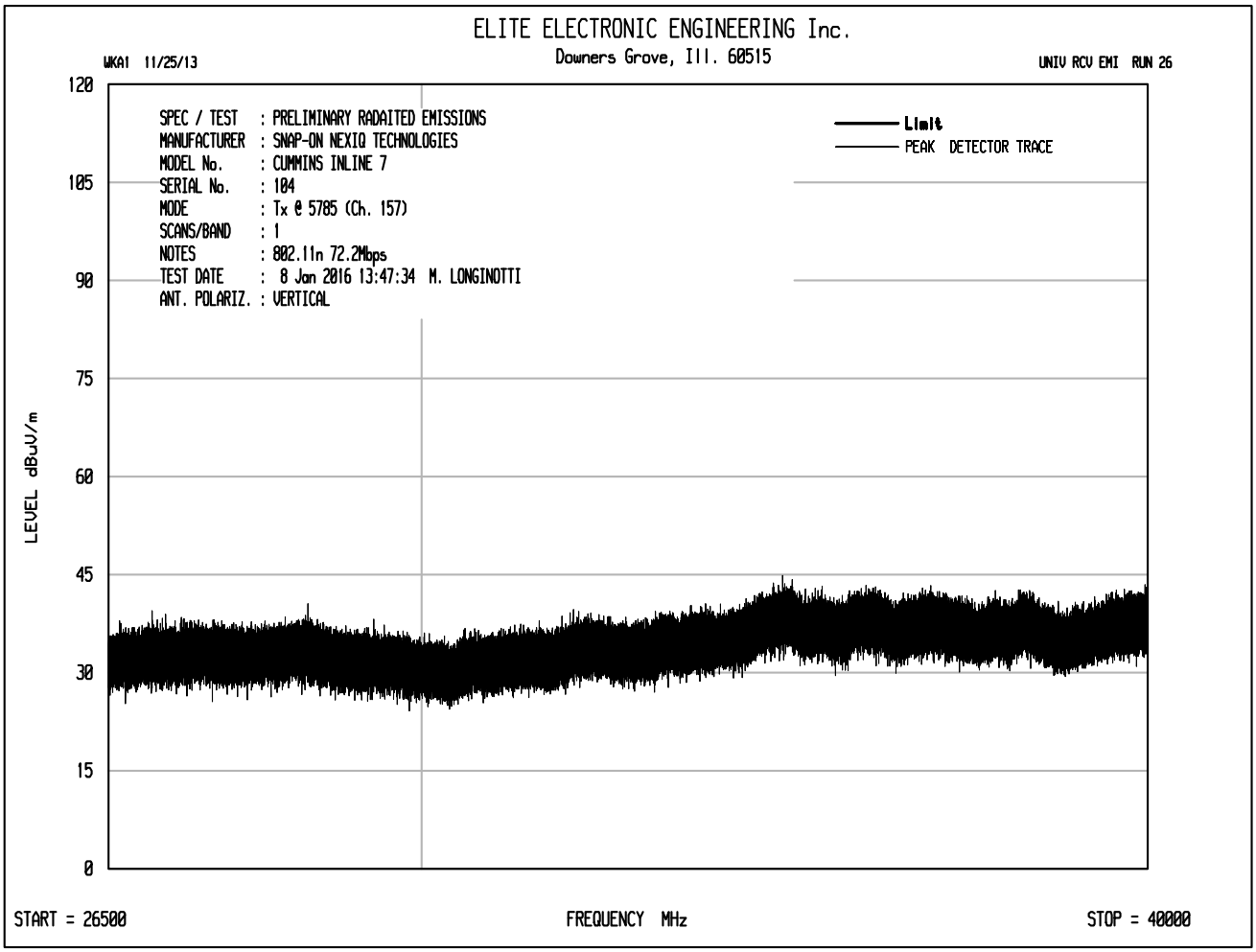

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 34
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72 Mb/SEC
TEST DATE : 20 Nov 2015 16:13:49 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

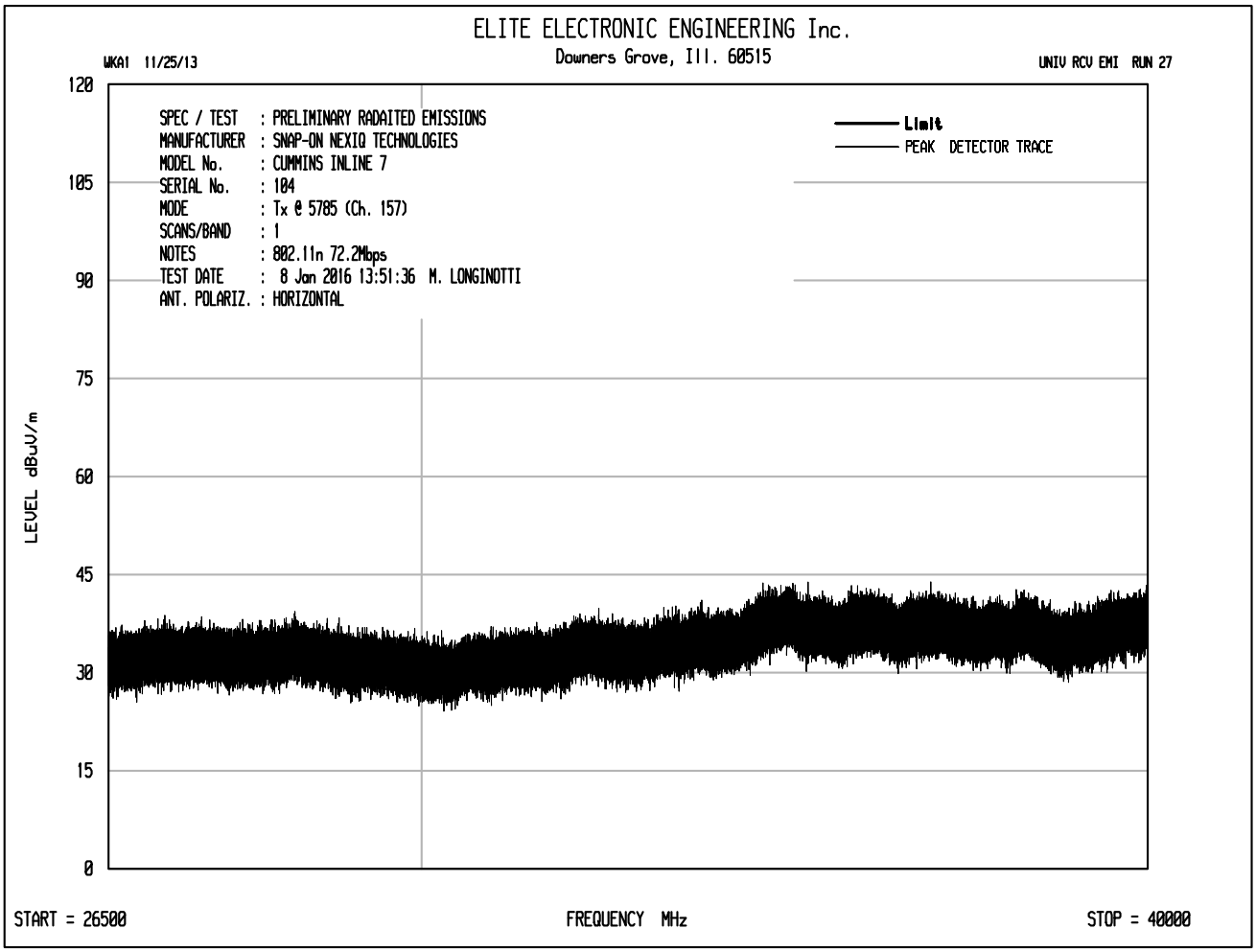

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 48
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5758MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 2 Dec 2015 16:01:30 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 71
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785MHz (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 3 Dec 2015 10:47:27 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 43
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 5 Jan 2016 16:26:24 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 44
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 5 Jan 2016 16:29:10 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 26
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 8 Jan 2016 13:47:34 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 27
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5785 (Ch. 157)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 8 Jan 2016 13:51:36 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5785MHz, 802.11a 6 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11570.00	H	47.7	Ambient	7.8	38.6	-39.2	54.9	556.6	5000.0	-19.1
11570.00	V	48.3	Ambient	7.8	38.6	-39.2	55.5	596.4	5000.0	-18.5

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5785MHz, 802.11a 6 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11570.00	H	36.2	Ambient	7.8	38.6	-39.2	43.4	148.1	500.0	-10.6
11570.00	V	36.3	Ambient	7.8	38.6	-39.2	43.5	149.8	500.0	-10.5

Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5785MHz, 802.11n 72.2 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11570.00	H	49.2	Ambient	7.8	38.6	-39.2	56.4	661.5	5000.0	-17.6
11570.00	V	47.9	Ambient	7.8	38.6	-39.2	55.1	569.5	5000.0	-18.9

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

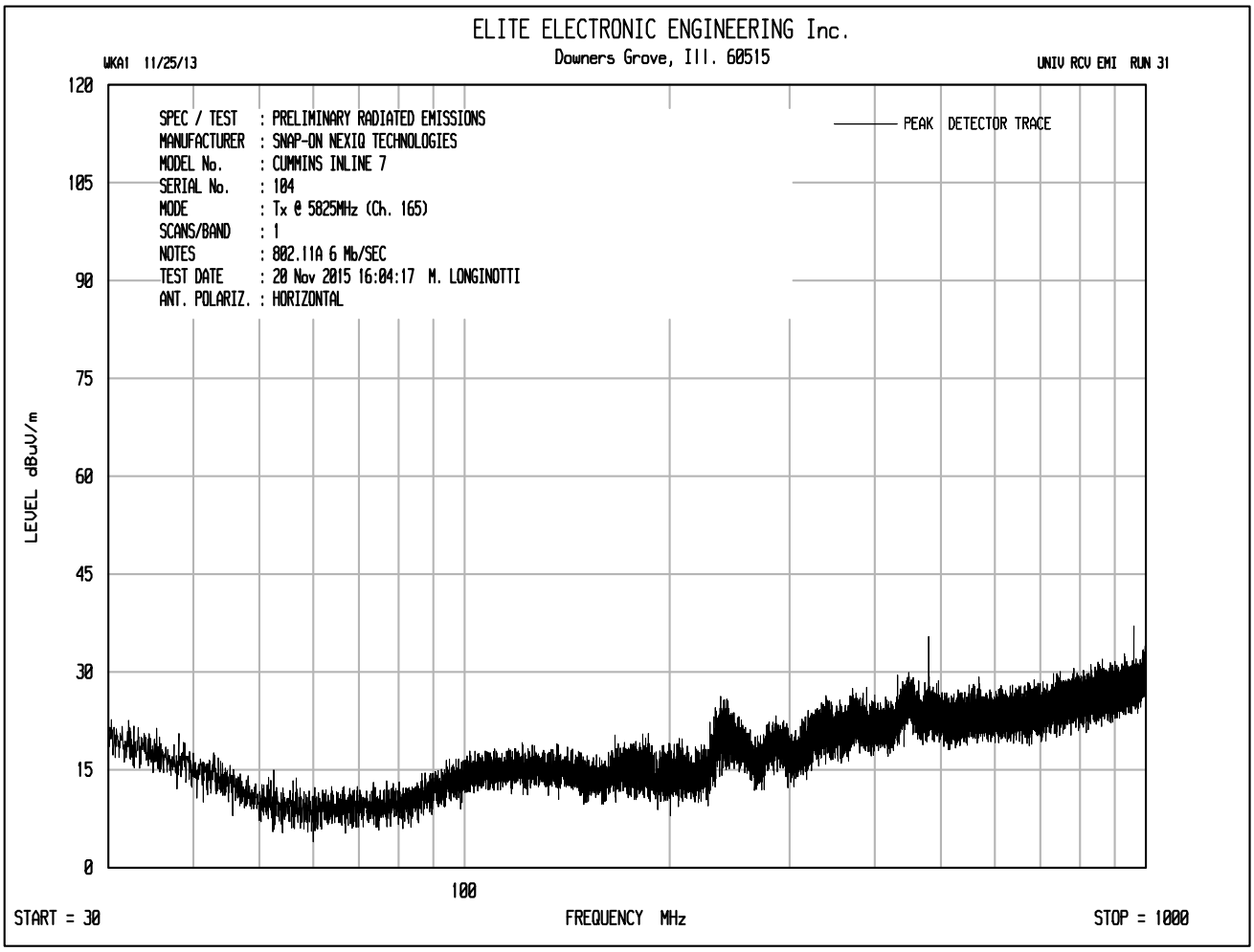
Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

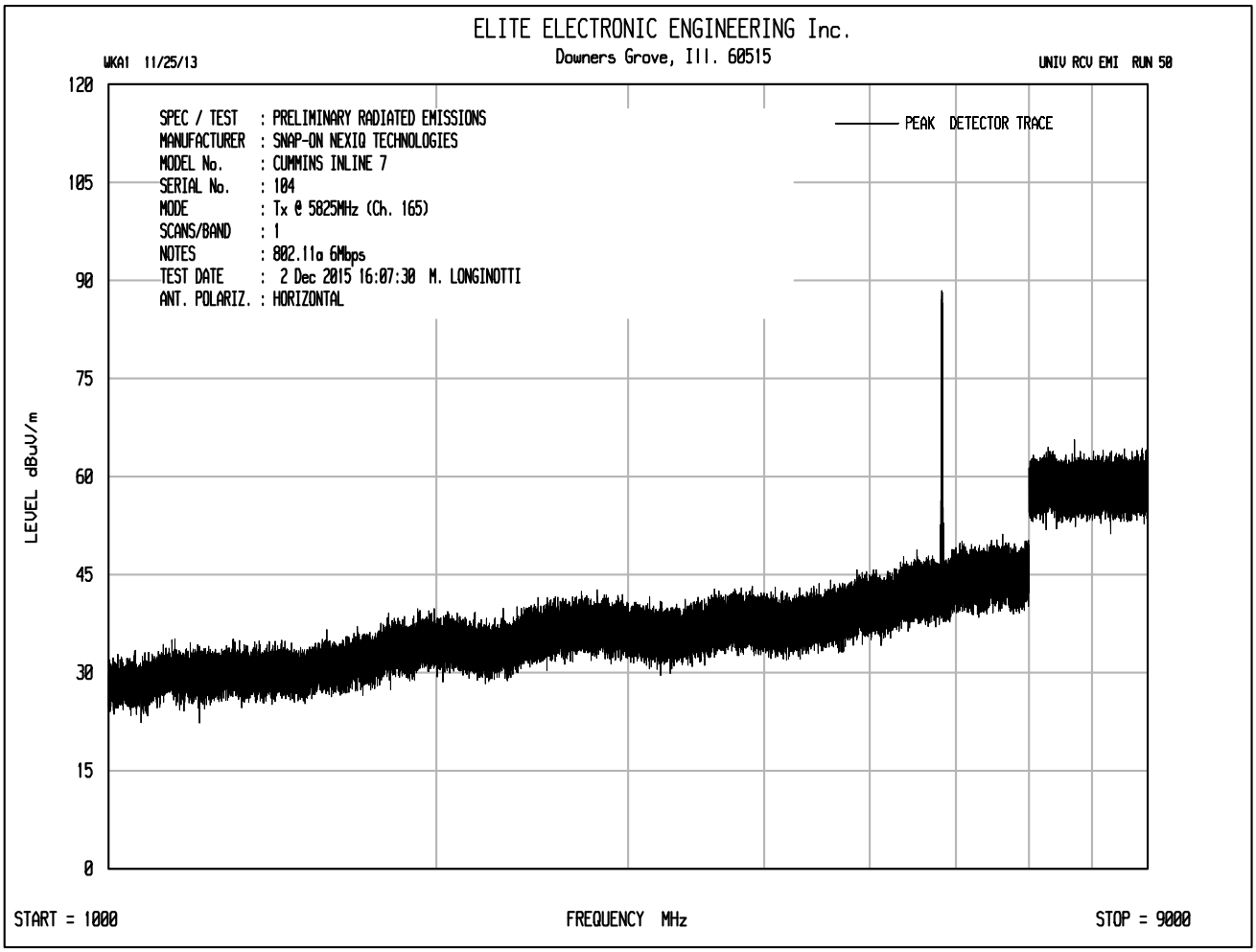
Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5785MHz, 802.11n 72.2 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

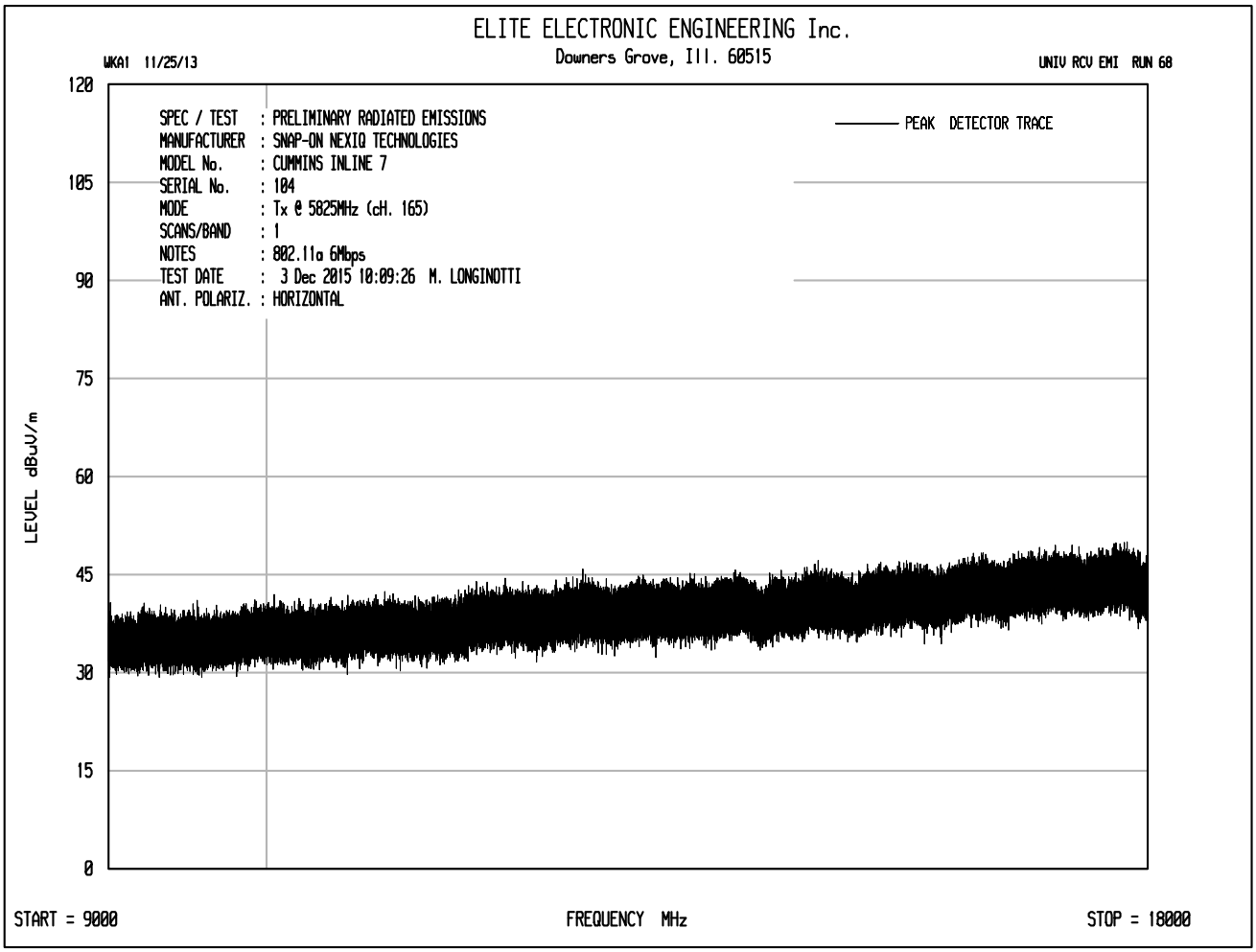
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11570.00	H	36.2	Ambient	7.8	38.6	-39.2	43.4	148.1	500.0	-10.6
11570.00	V	36.2	Ambient	7.8	38.6	-39.2	43.4	148.1	500.0	-10.6

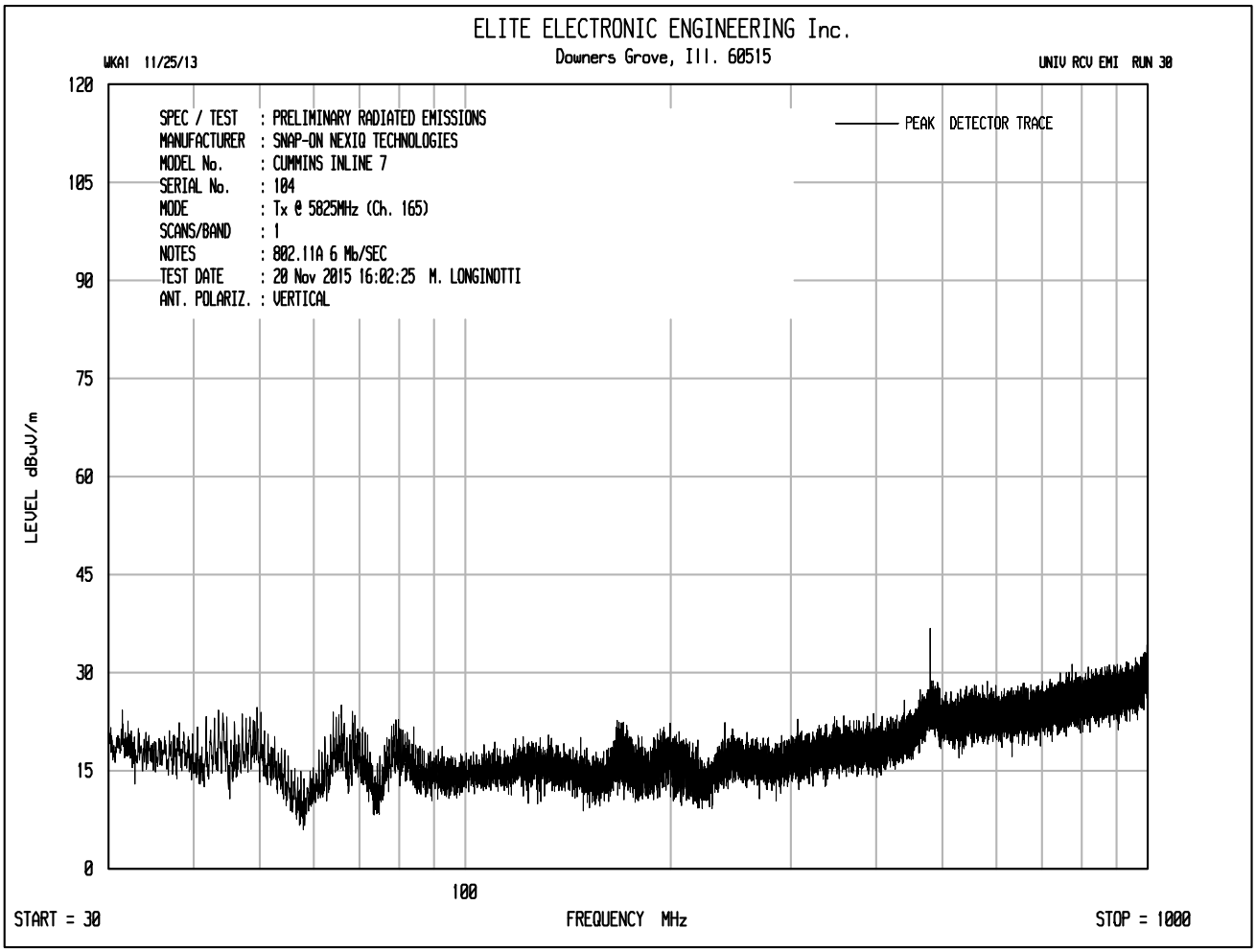
Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

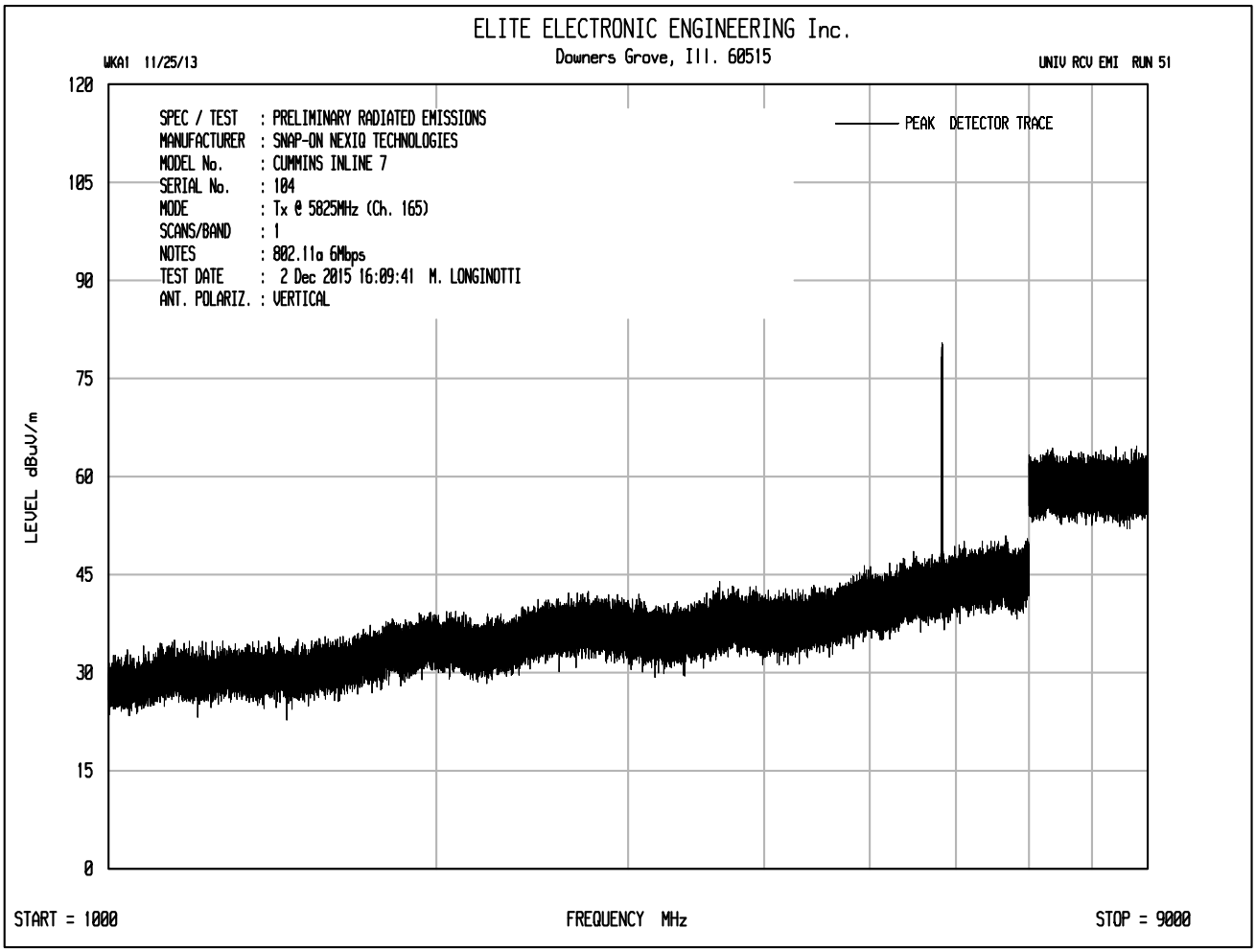
Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

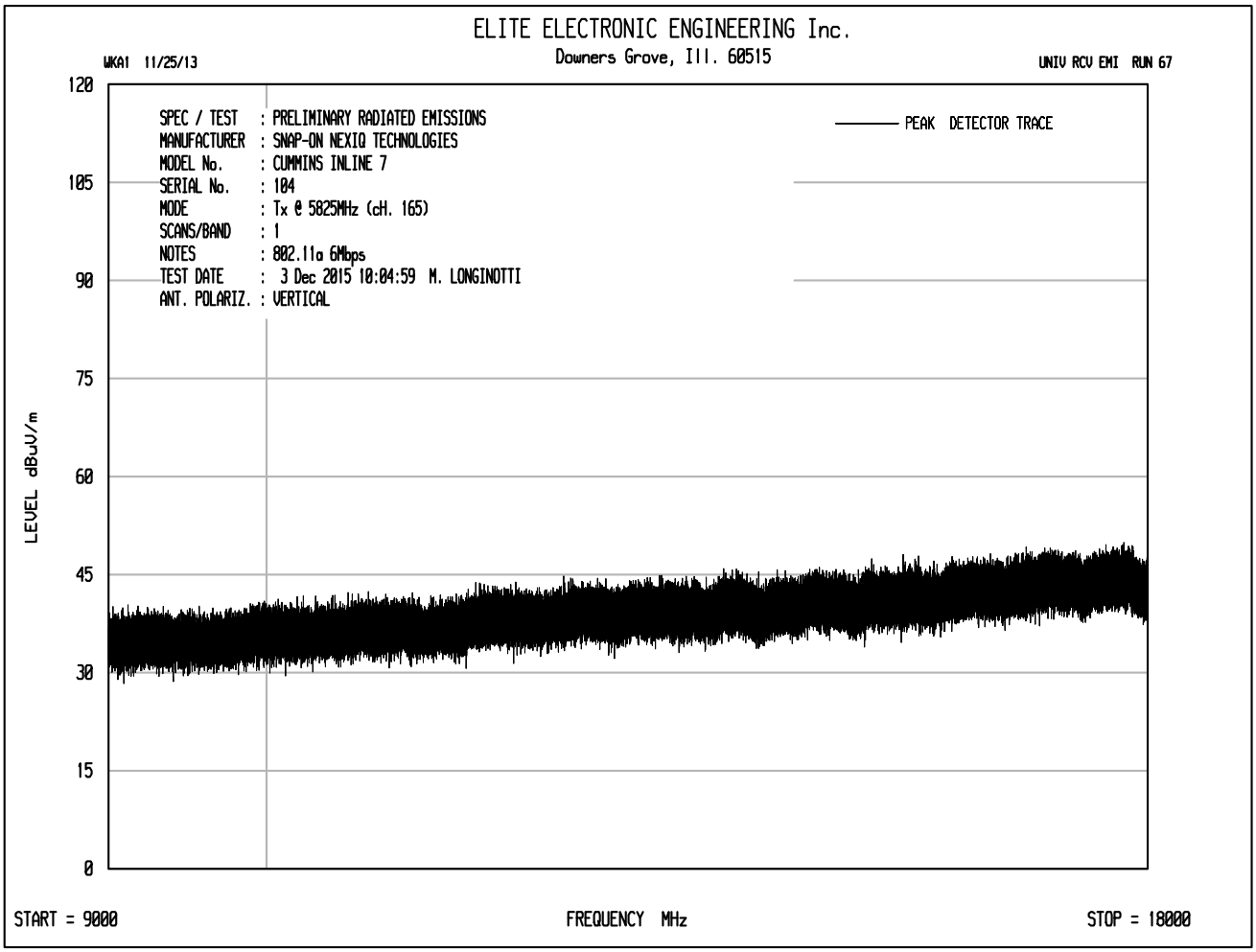

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 31
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11A 6 Mb/SEC
TEST DATE : 20 Nov 2015 16:04:17 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

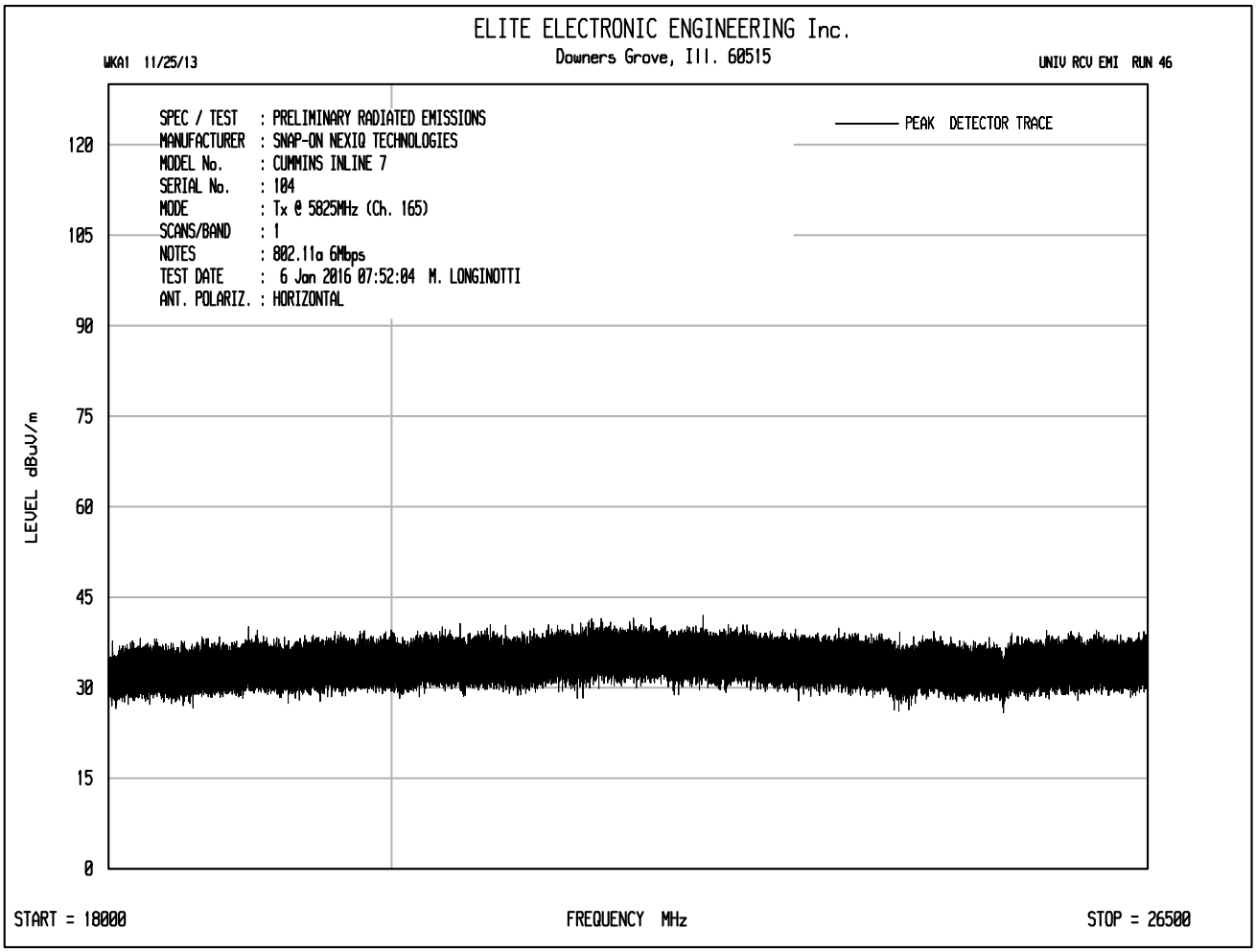

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 50
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 2 Dec 2015 16:07:30 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

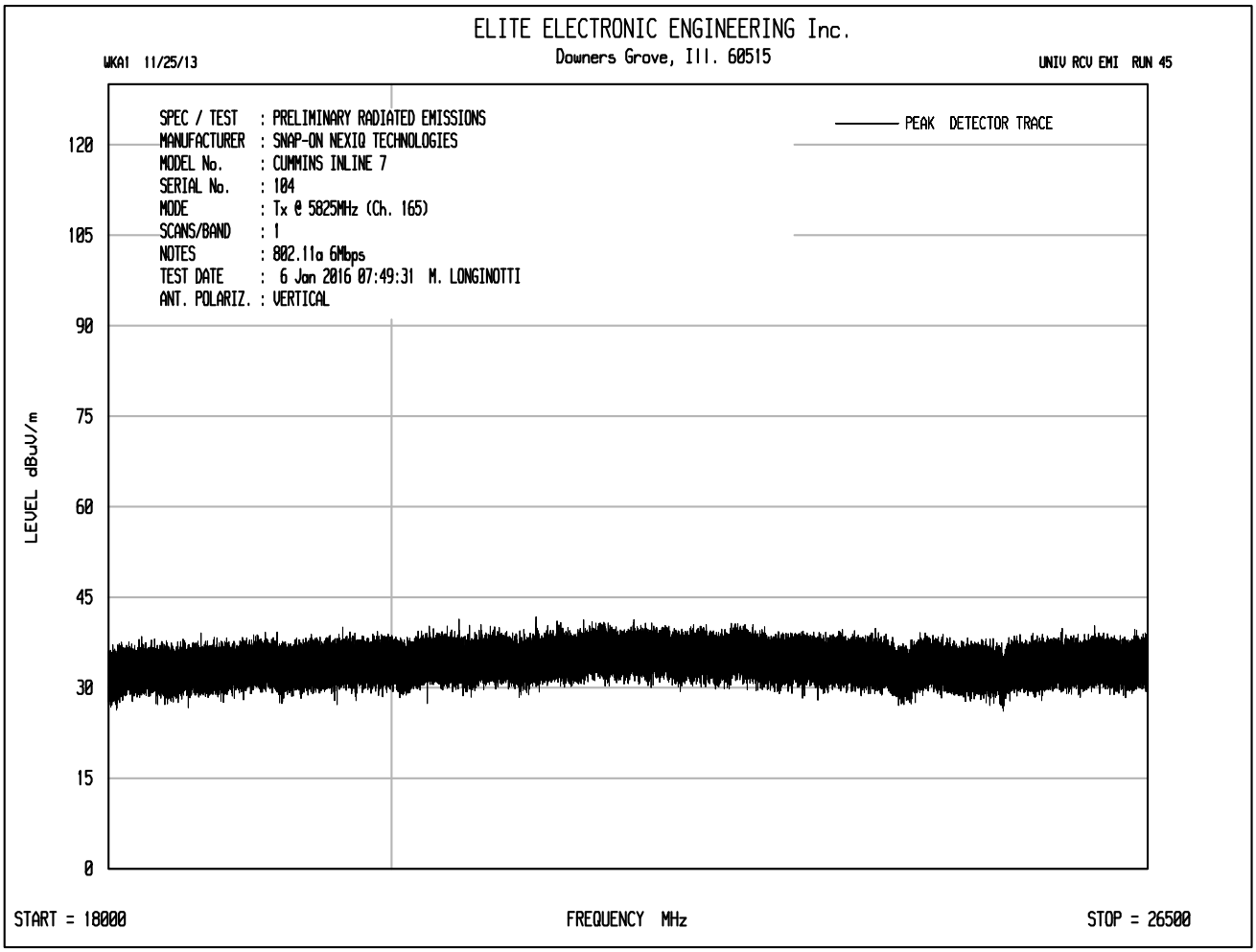

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 68
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (cH. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 3 Dec 2015 10:09:26 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000

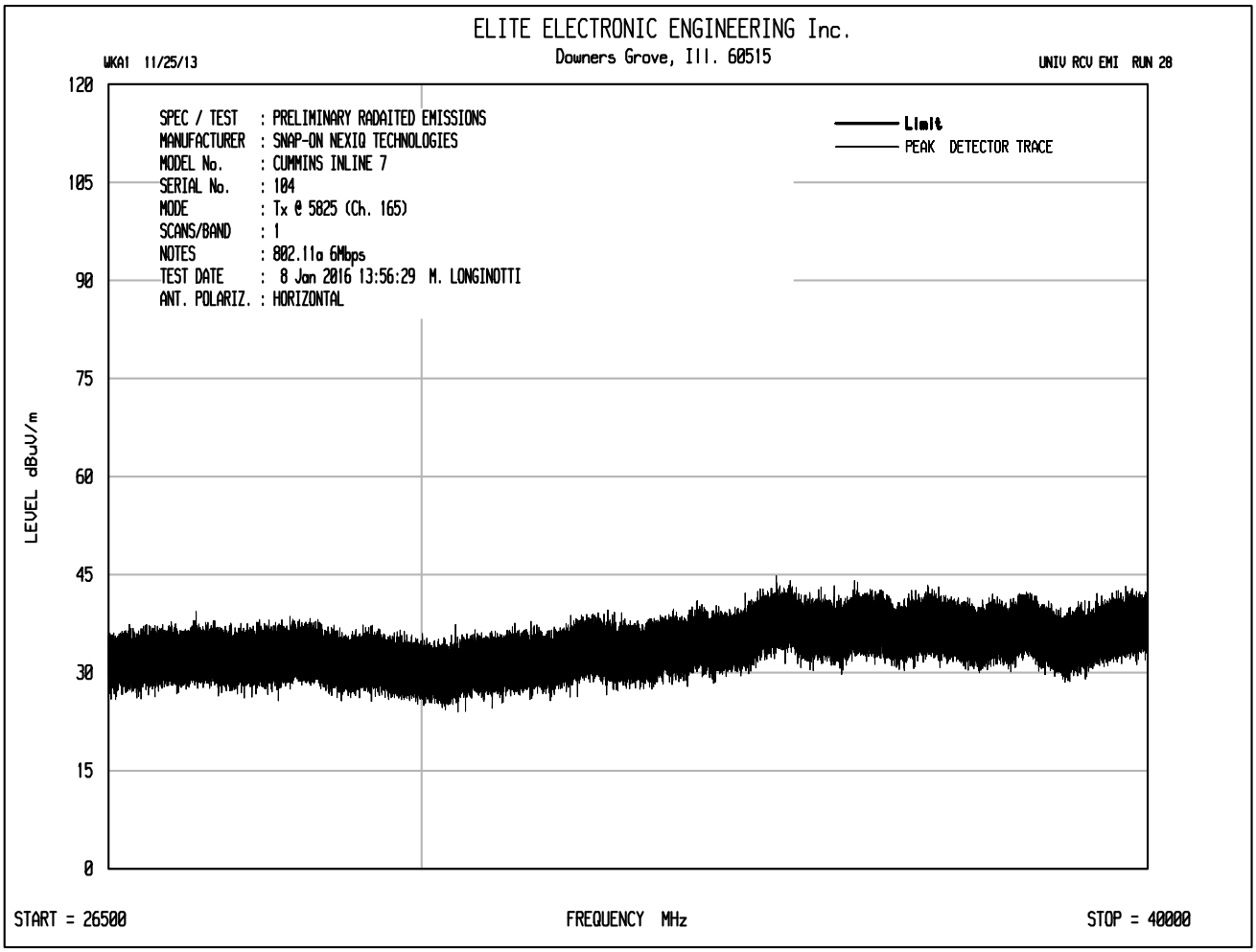

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 30
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11A 6 Mb/SEC
TEST DATE : 20 Nov 2015 16:02:25 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

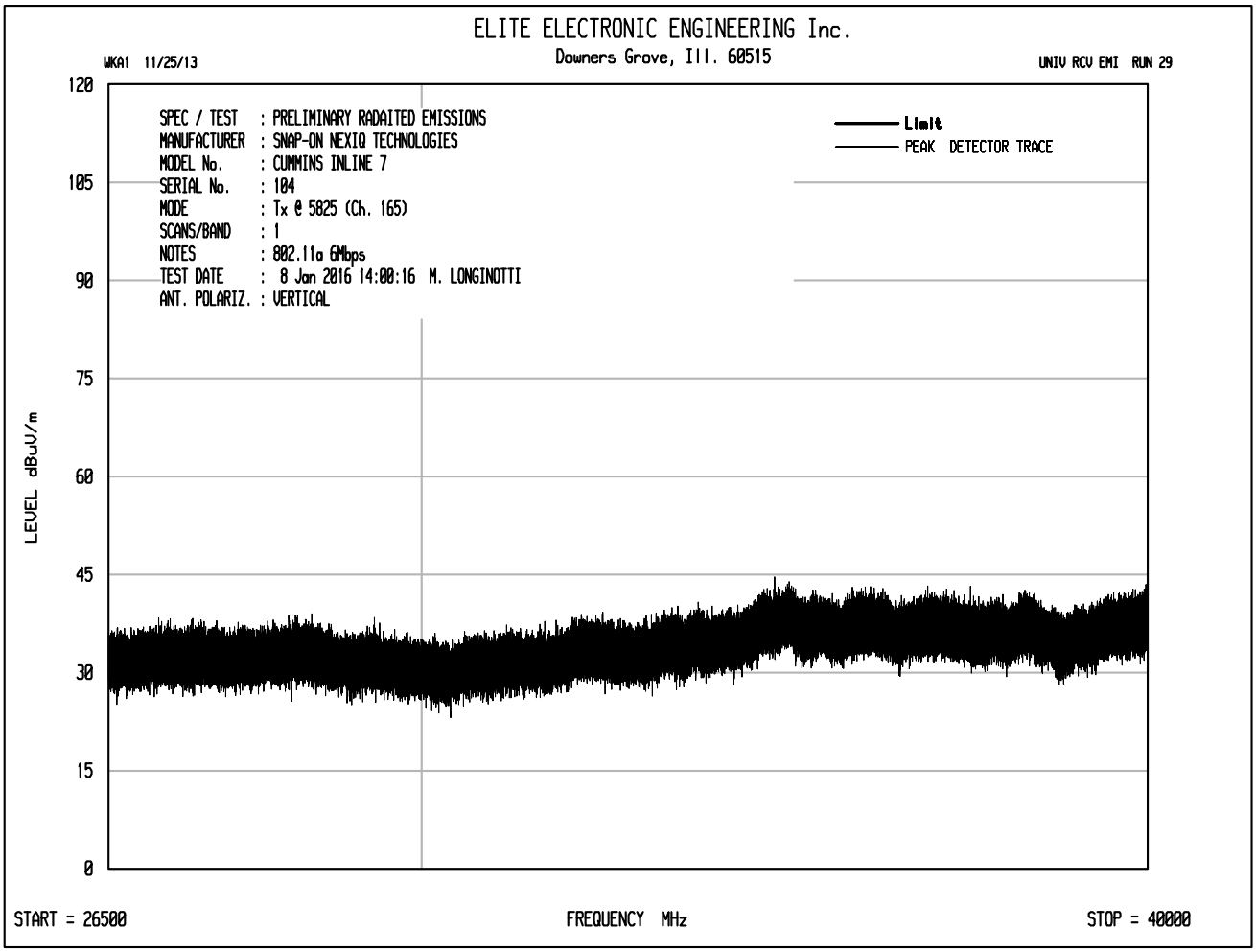

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 51
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 2 Dec 2015 16:09:41 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

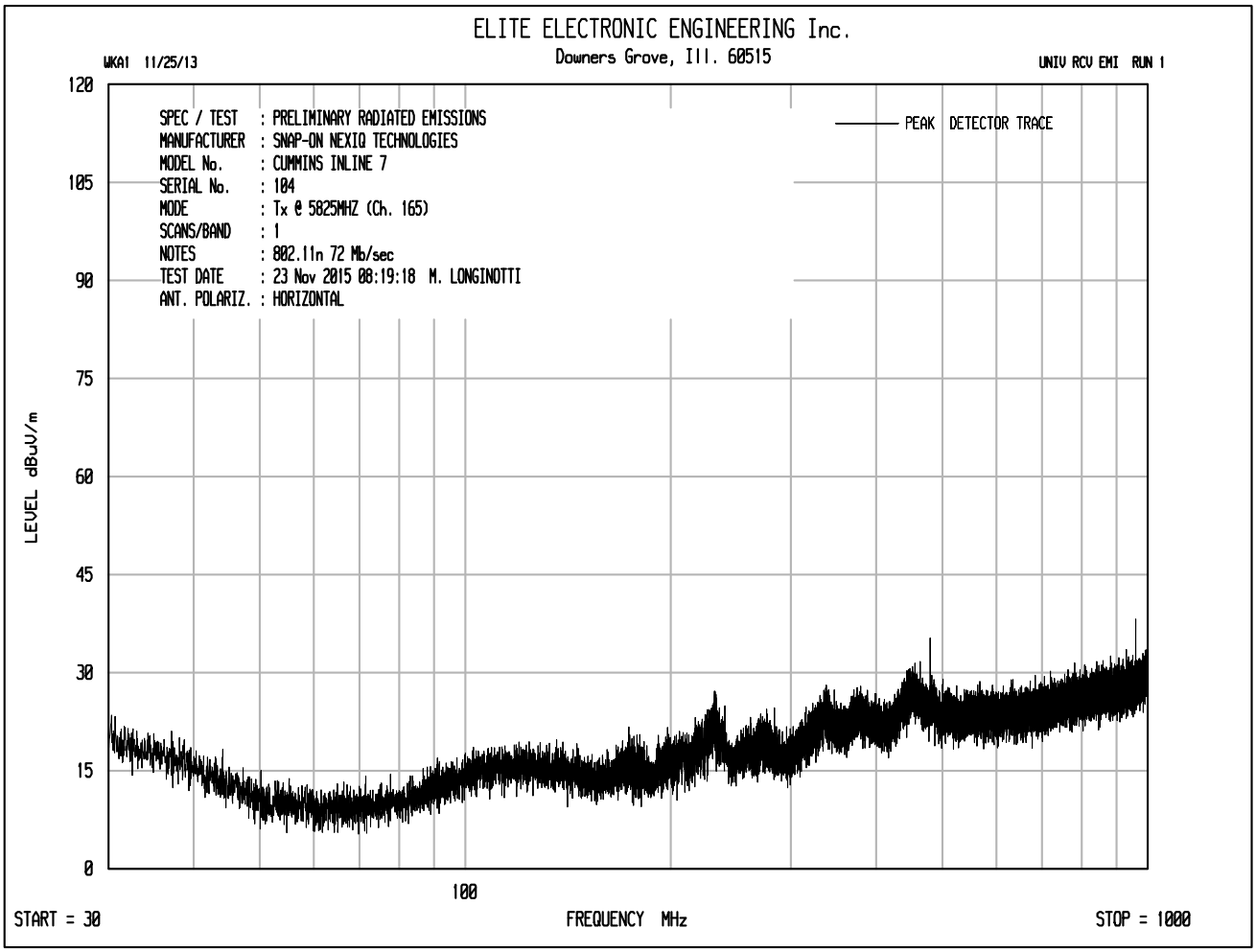

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 67
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (cH. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 3 Dec 2015 10:04:59 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000

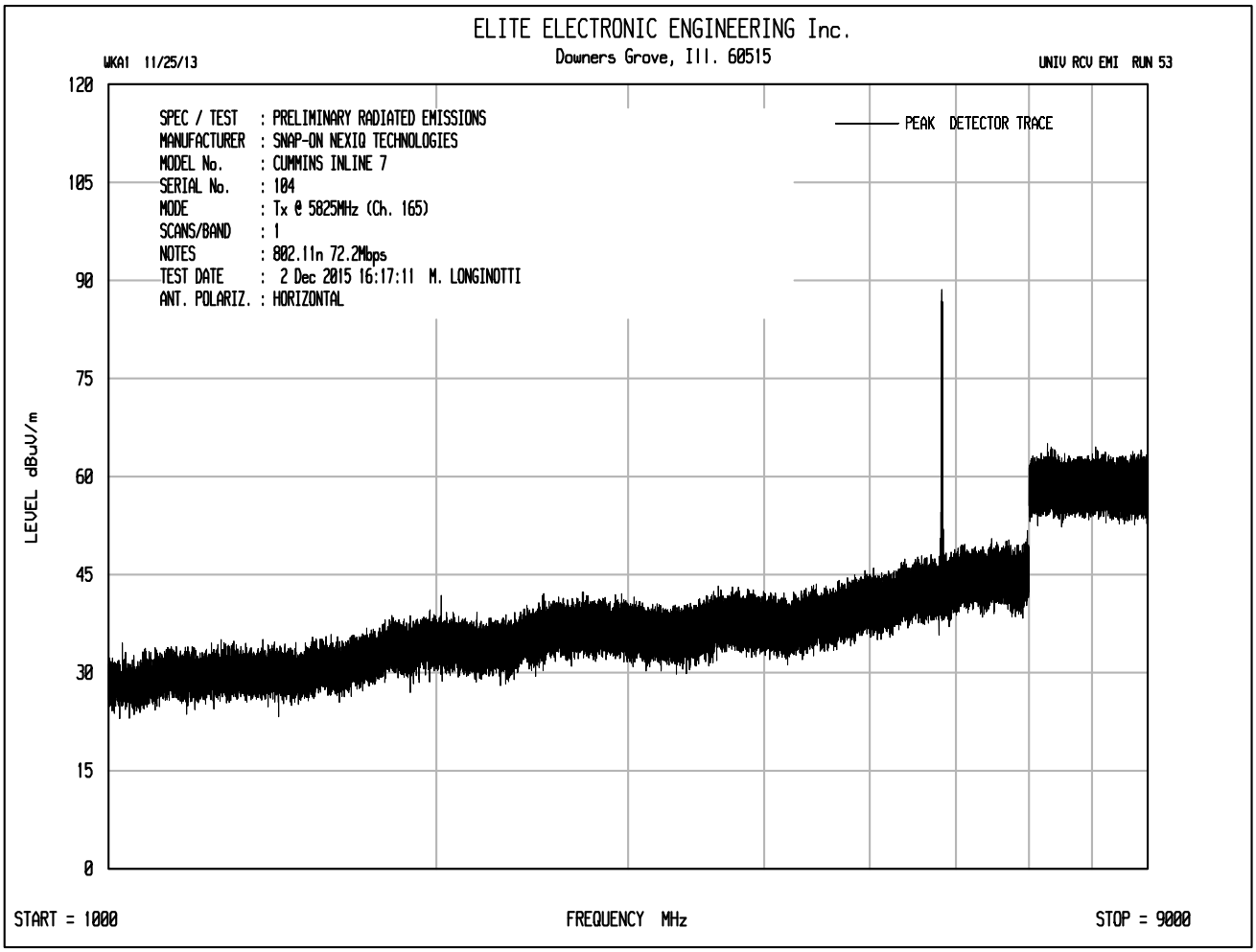

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 46
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 6 Jan 2016 07:52:04 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500

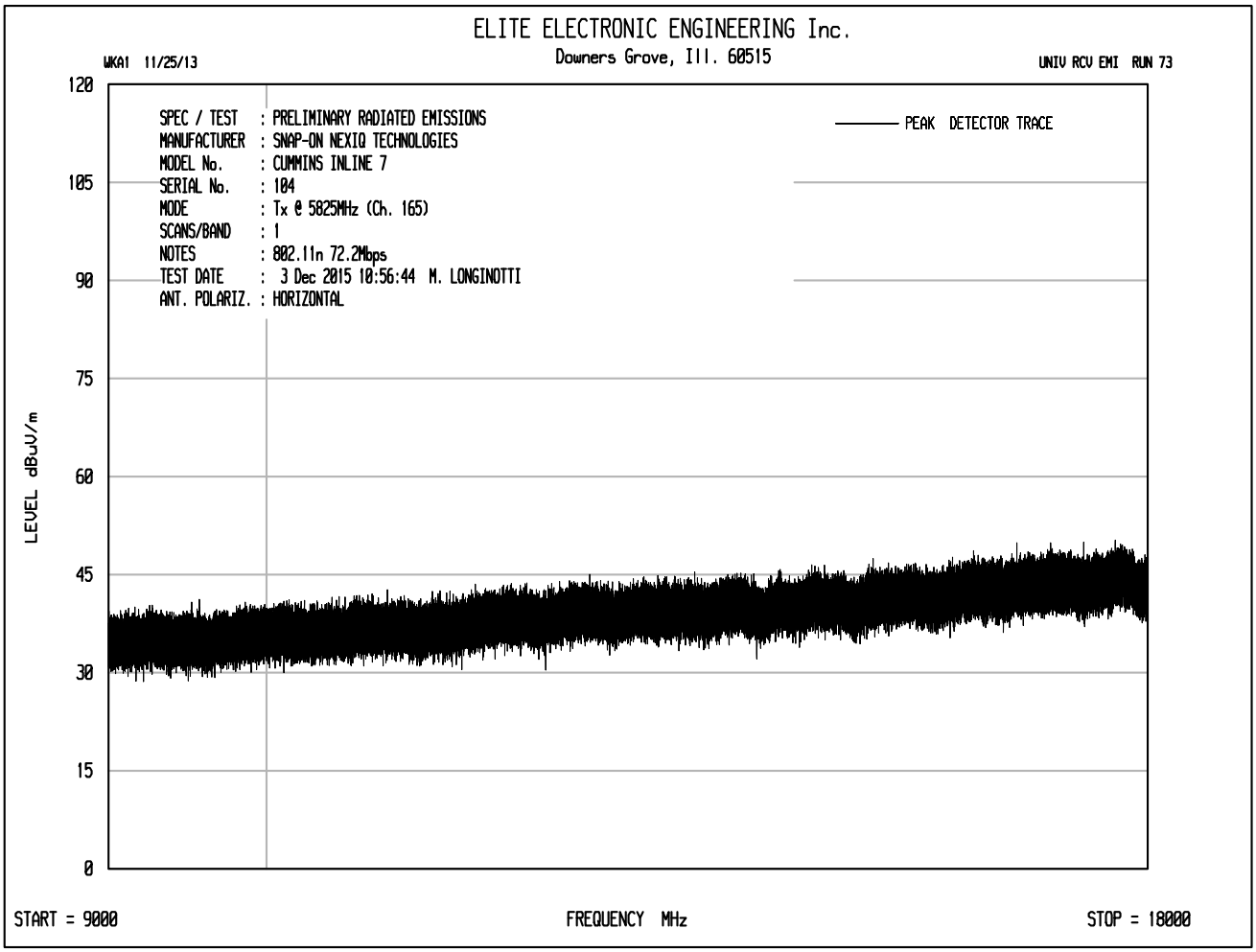

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 45
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 6 Jan 2016 07:49:31 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500

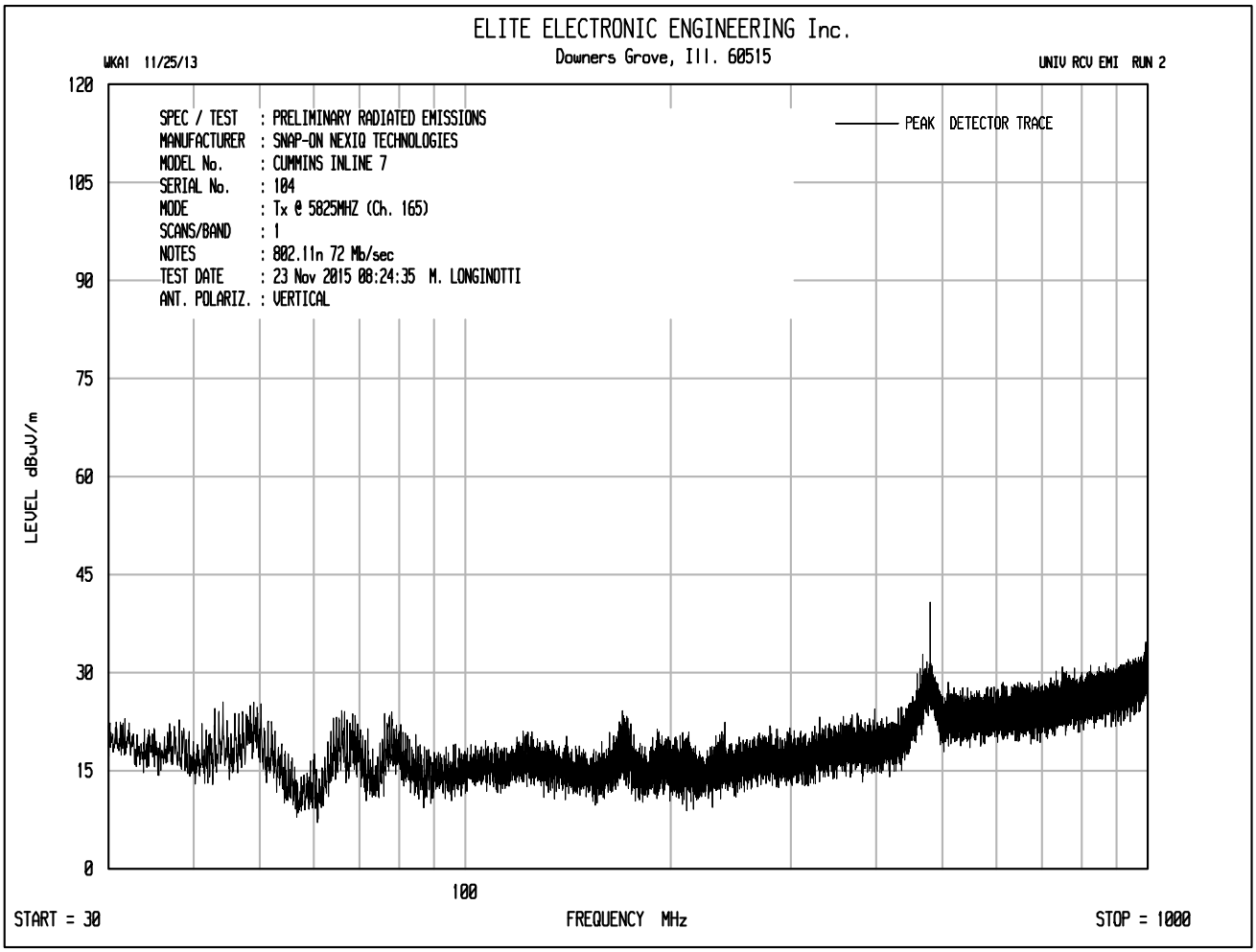

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 20
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825 (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 8 Jan 2016 13:56:29 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

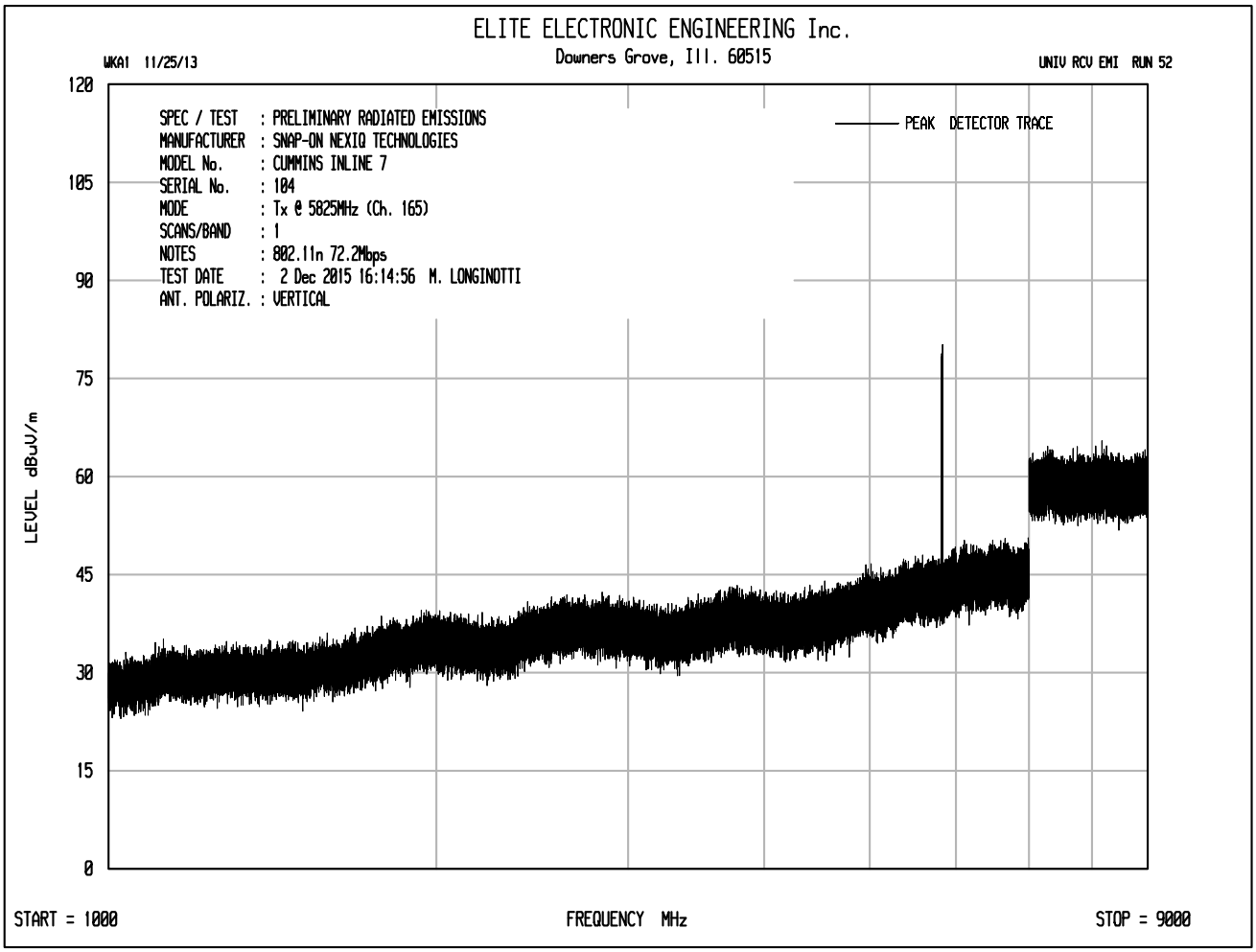

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 29
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825 (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11a 6Mbps
TEST DATE : 8 Jan 2016 14:00:16 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

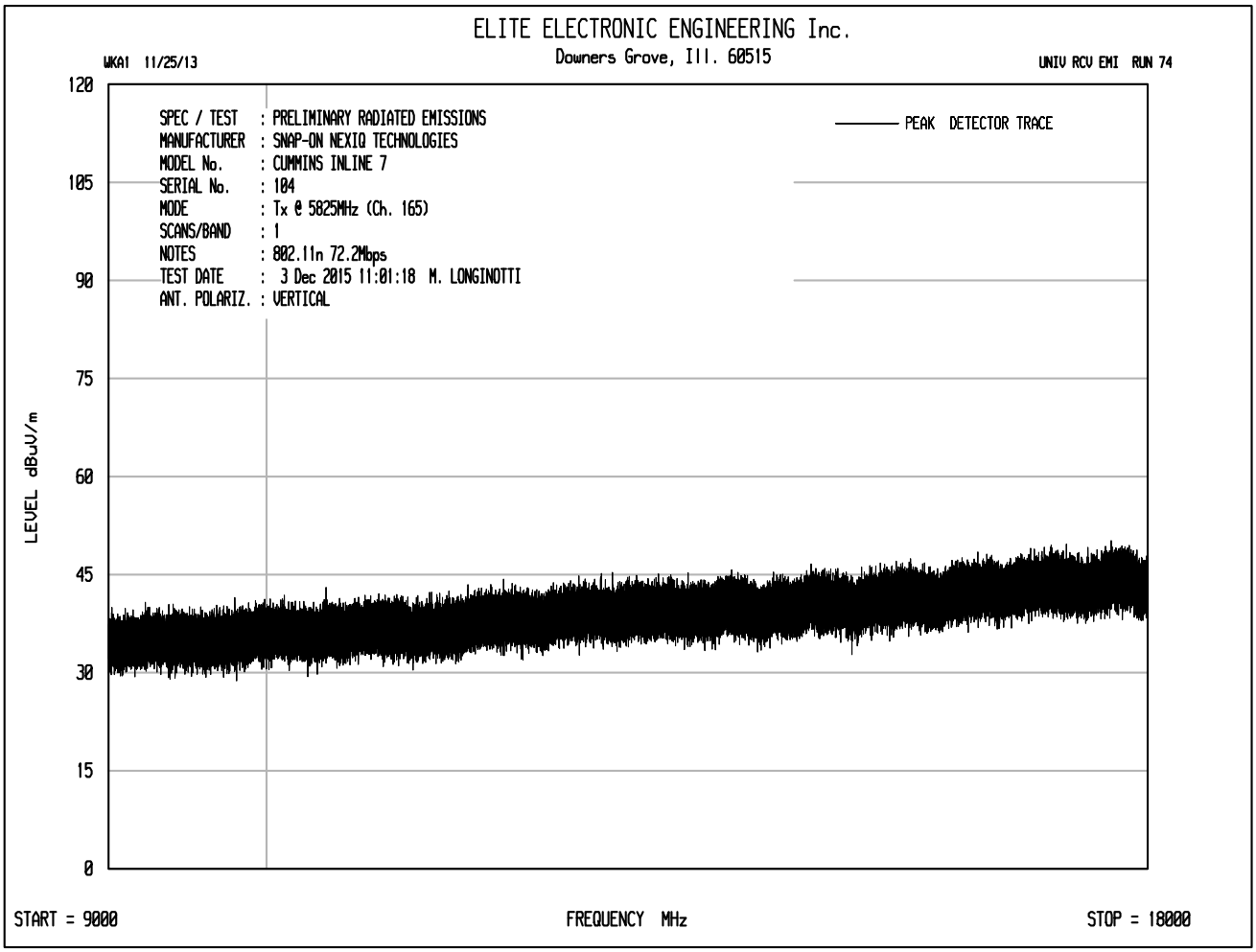

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 1
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHZ (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72 Mb/sec
TEST DATE : 23 Nov 2015 08:19:18 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

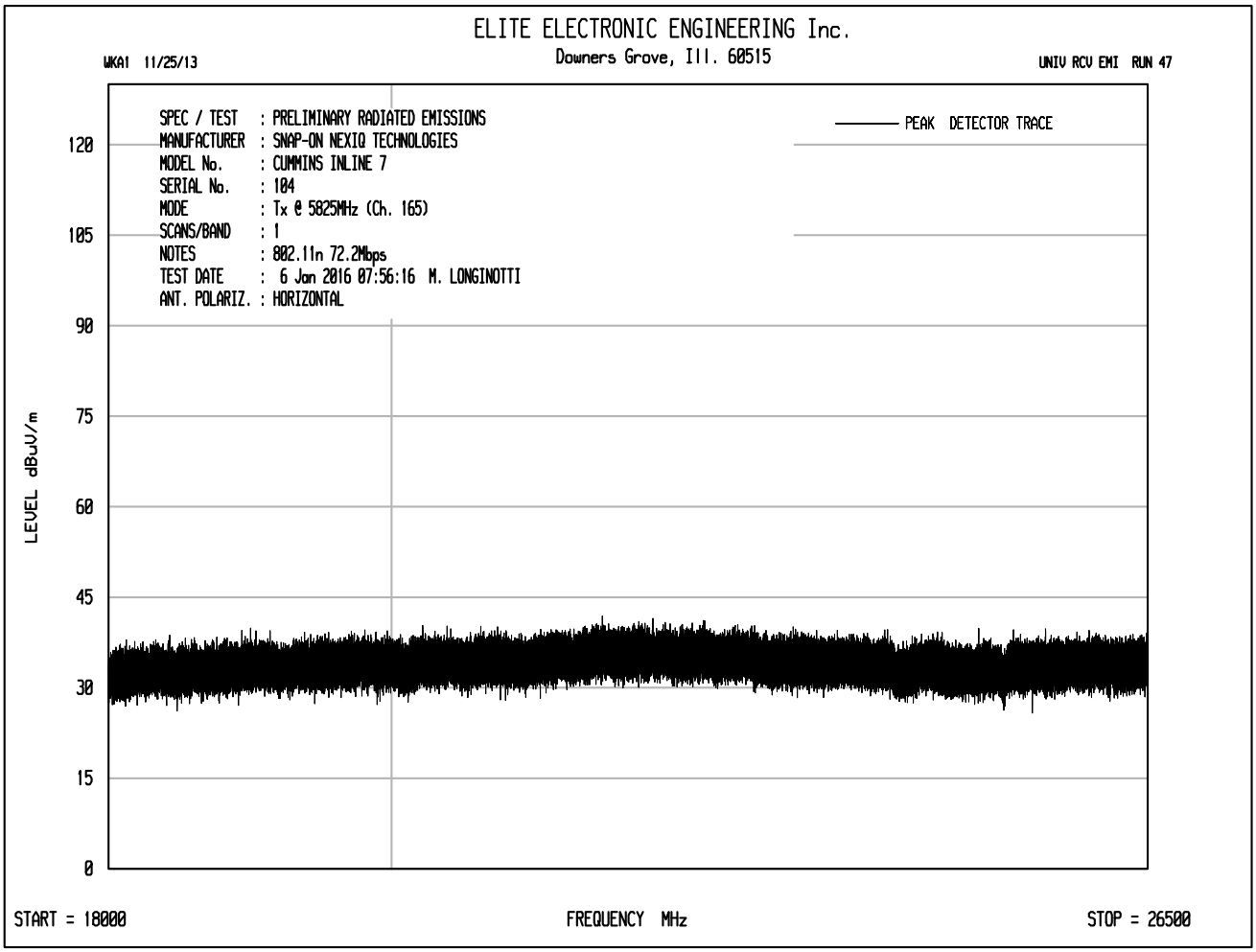

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 53
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 2 Dec 2015 16:17:11 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

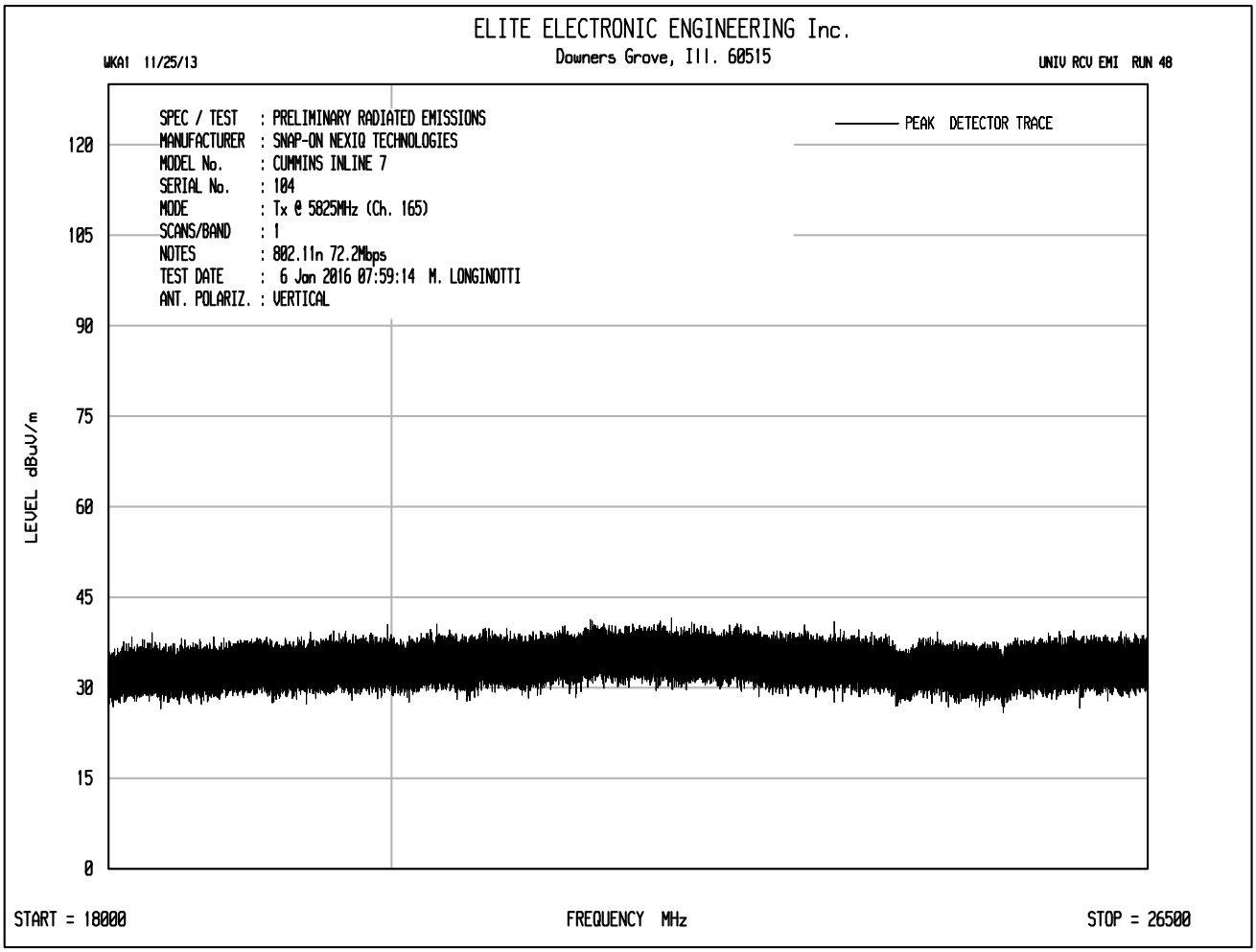

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 73
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 3 Dec 2015 10:56:44 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
120
105
90
75
60
45
30
15
0
LEVEL dBuV/m
START = 9000
FREQUENCY MHz
STOP = 18000

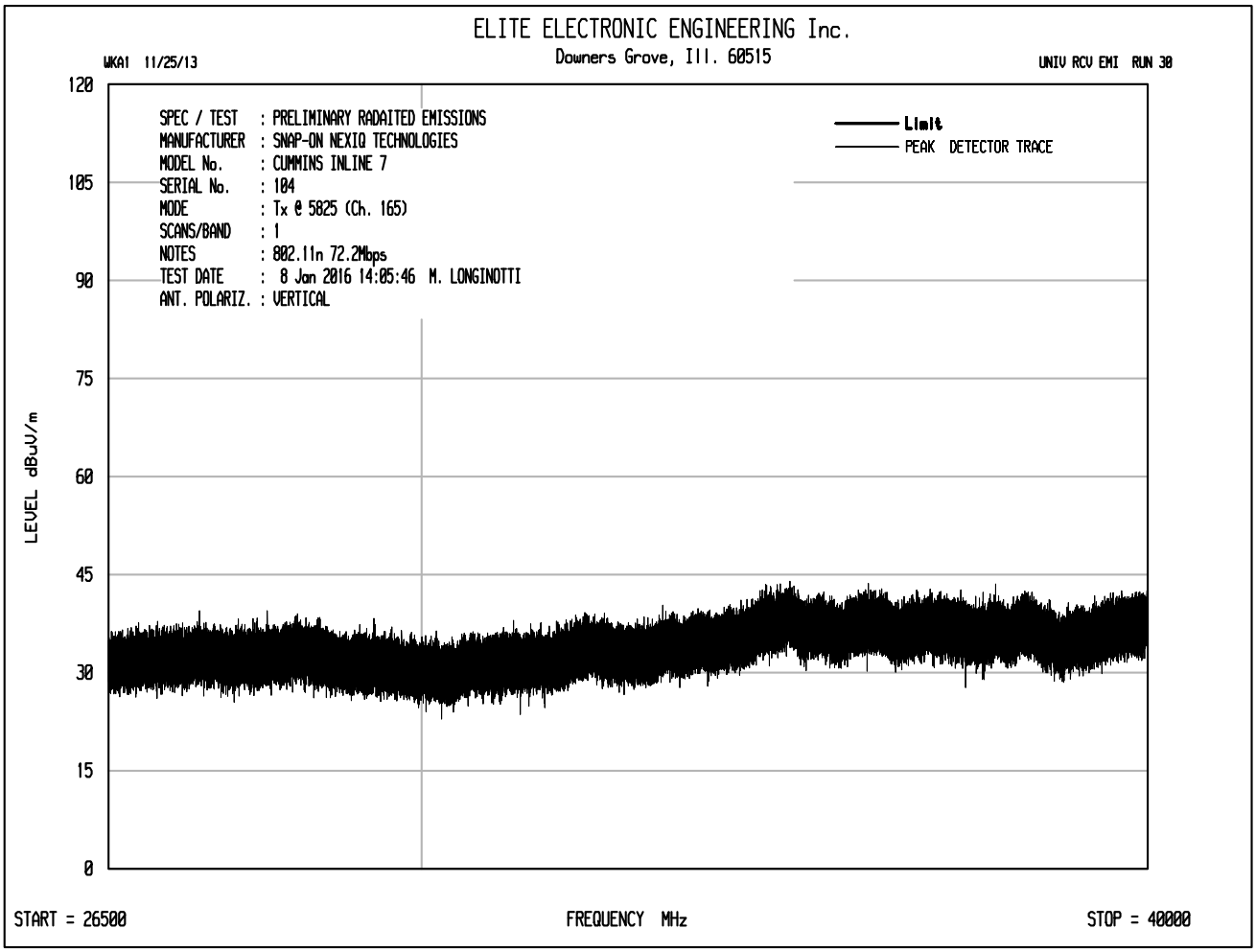

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 2
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHZ (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72 Mb/sec
TEST DATE : 23 Nov 2015 08:24:35 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

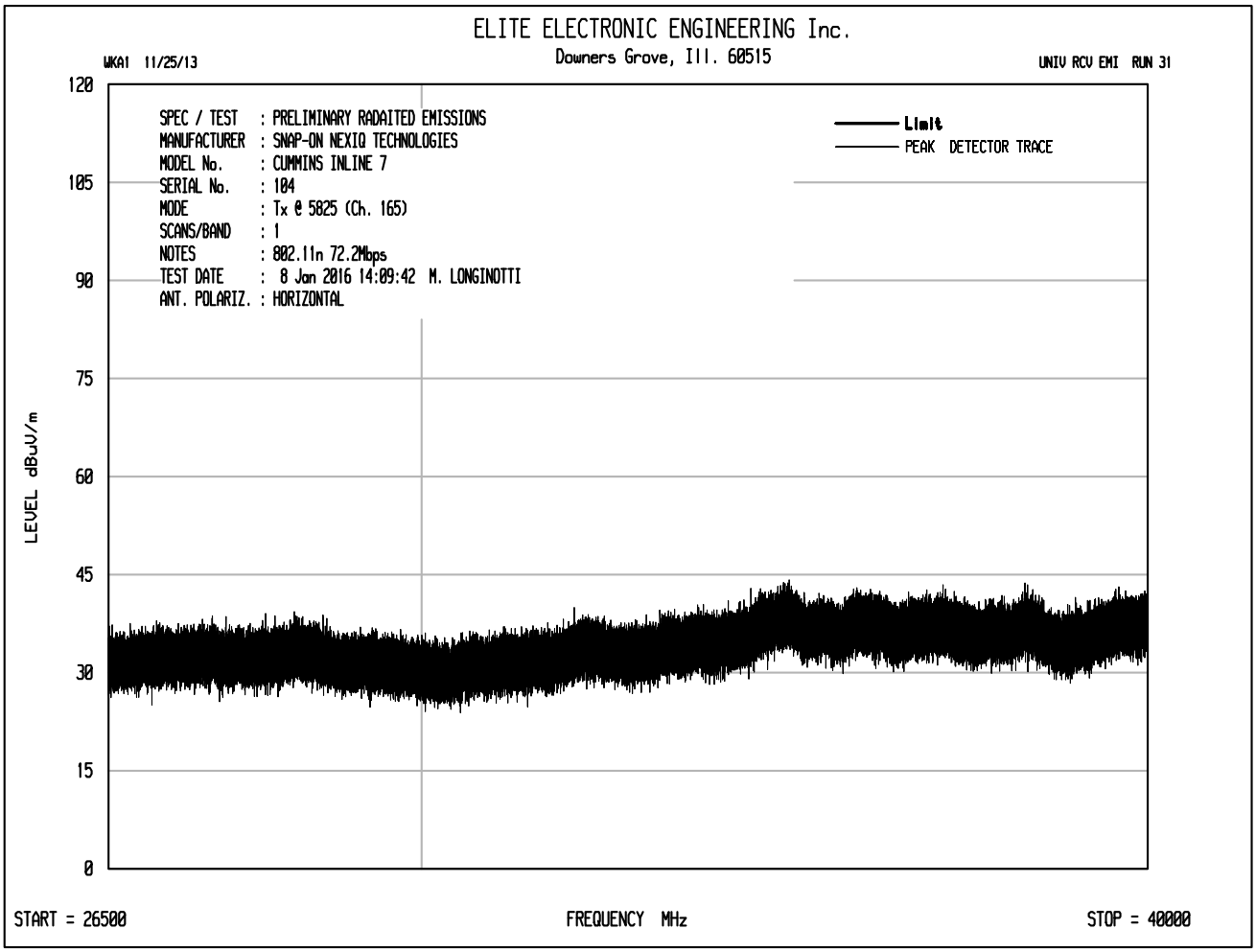

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 52
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 2 Dec 2015 16:14:56 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 74
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 3 Dec 2015 11:01:18 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 47
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 6 Jan 2016 07:56:16 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 48
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825MHz (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 6 Jan 2016 07:59:14 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 30
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825 (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 8 Jan 2016 14:05:46 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
120
105
90
75
60
45
30
15
0
LEVEL dBuV/m
START = 26500
FREQUENCY MHz
STOP = 40000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 31
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5825 (Ch. 165)
SCANS/BAND : 1
NOTES : 802.11n 72.2Mbps
TEST DATE : 8 Jan 2016 14:09:42 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5825MHz, 802.11a 6 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11650.00	H	48.3	Ambient	7.8	38.7	-39.2	55.6	605.8	5000.0	-18.3
11650.00	V	48.5	Ambient	7.8	38.7	-39.2	55.8	619.9	5000.0	-18.1

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5825MHz, 802.11a 6 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11650.00	H	36.0	Ambient	7.8	38.7	-39.2	43.3	147.0	500.0	-10.6
11650.00	V	36.4	Ambient	7.8	38.7	-39.2	43.7	153.9	500.0	-10.2

Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5825MHz, 802.11n 72.2 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11650.00	H	48.5	Ambient	7.8	38.7	-39.2	55.8	619.9	5000.0	-18.1
11650.00	V	48.7	Ambient	7.8	38.7	-39.2	56.0	634.4	5000.0	-17.9

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

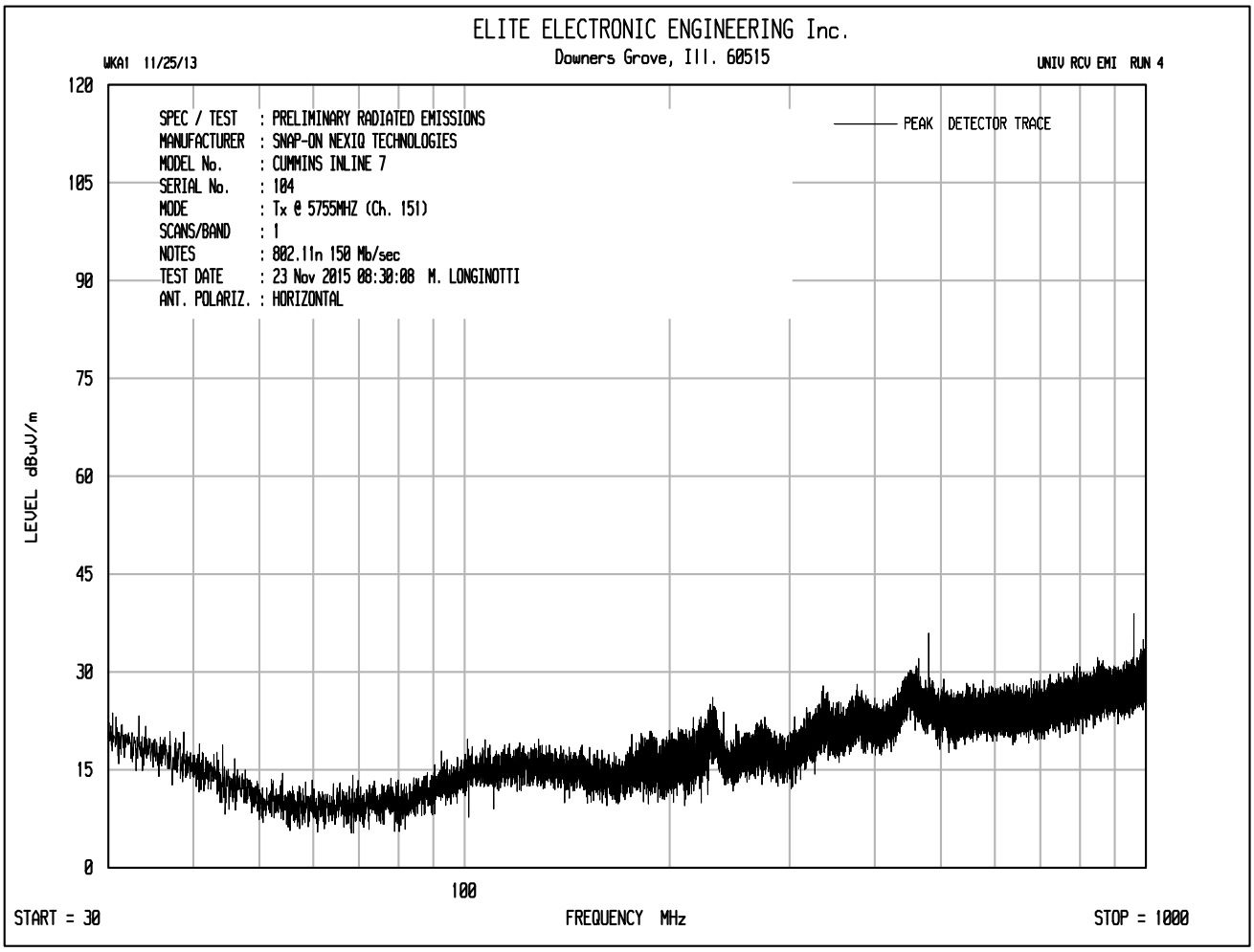
Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

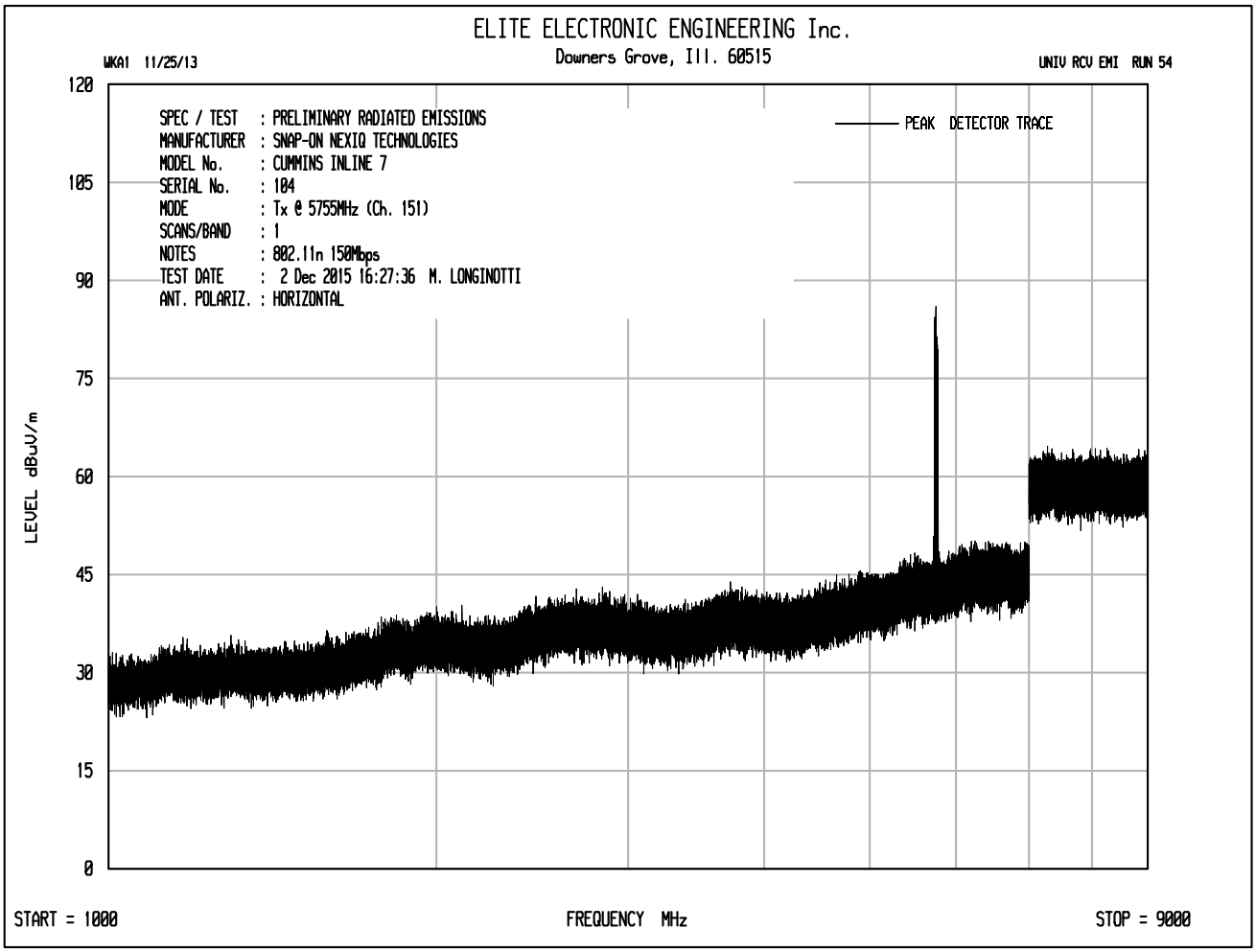
Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5825MHz, 802.11n 72.2 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

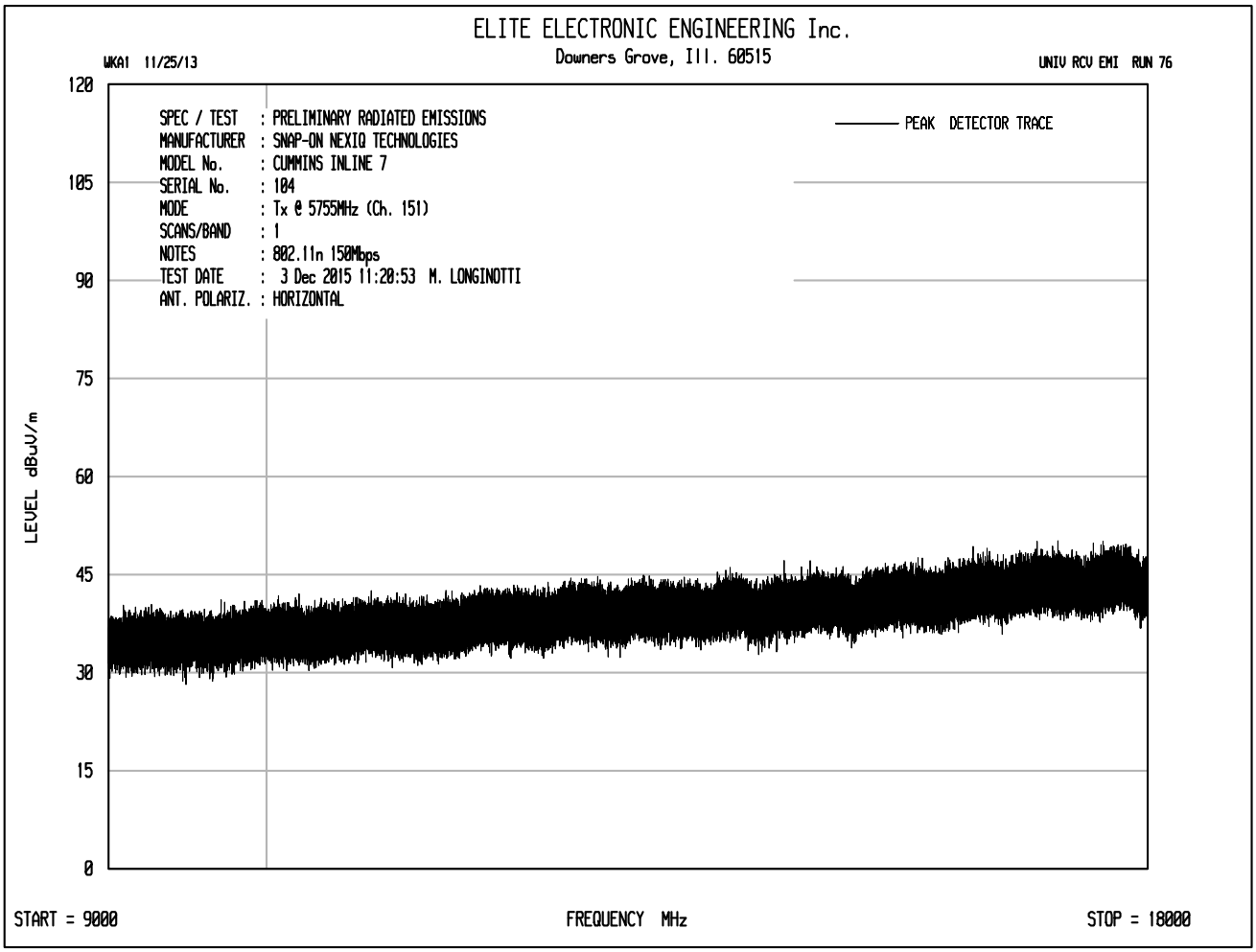
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11650.00	H	35.9	Ambient	7.8	38.7	-39.2	43.2	145.3	500.0	-10.7
11650.00	V	36.3	Ambient	7.8	38.7	-39.2	43.6	152.2	500.0	-10.3

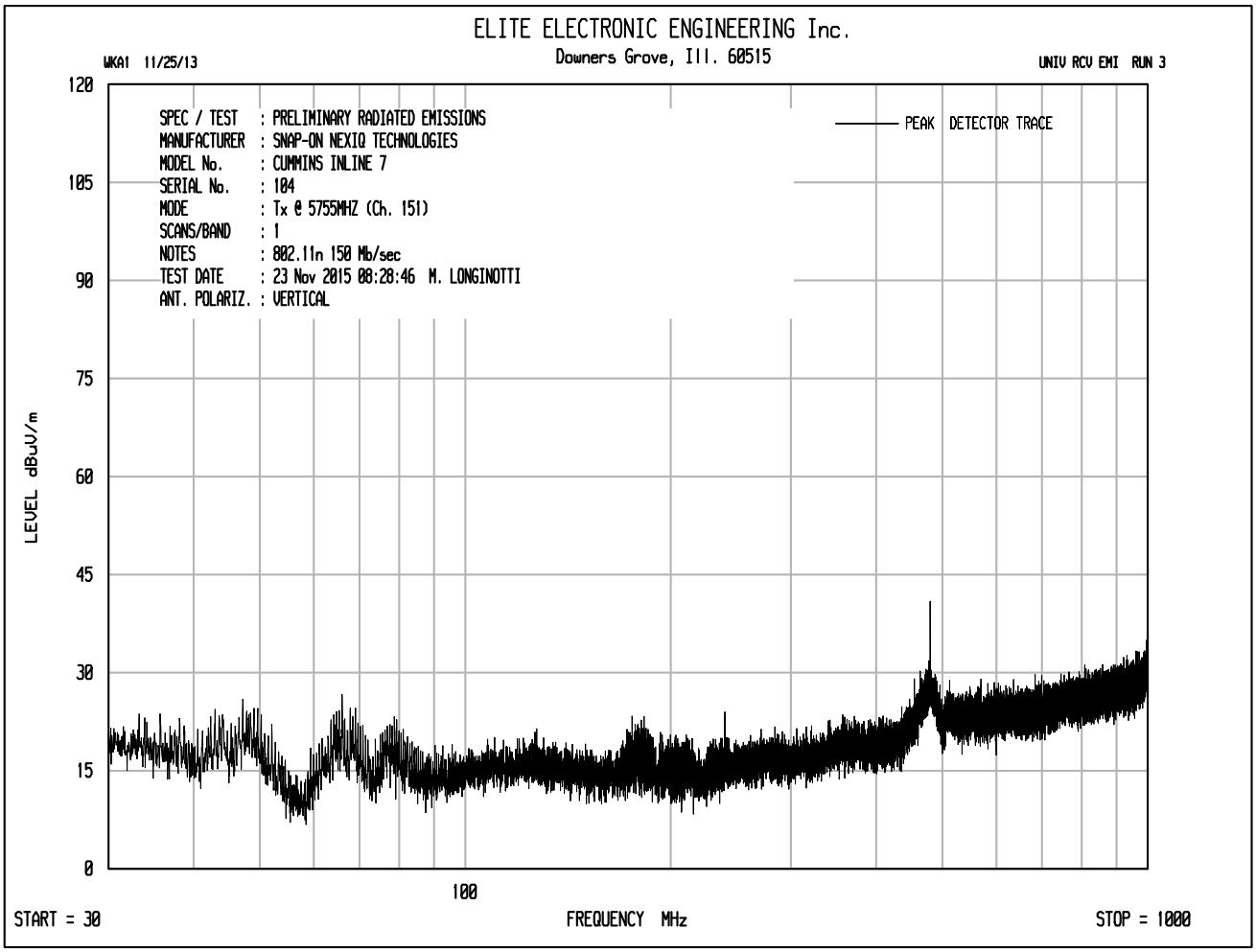
Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

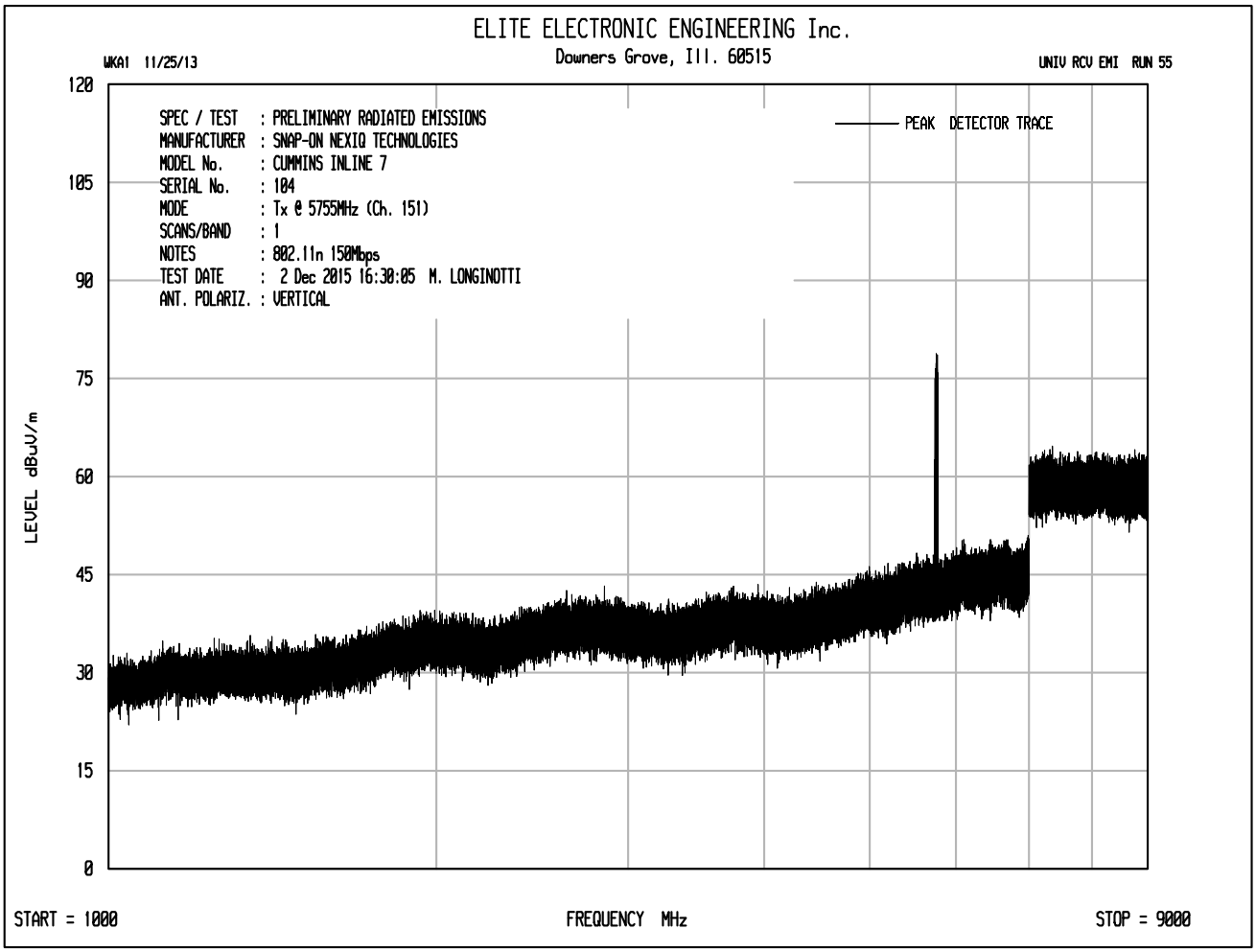
Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

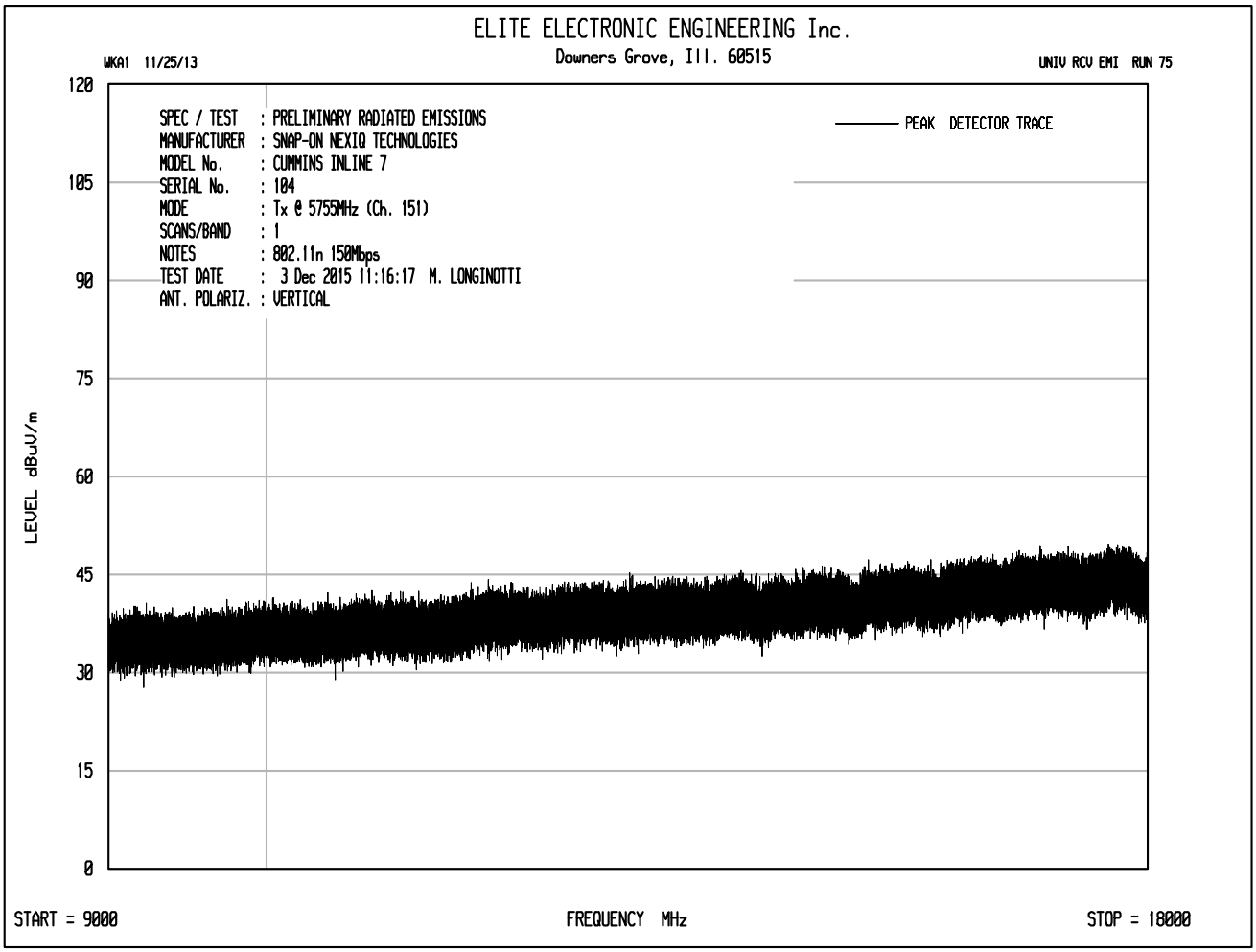

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 4
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHZ (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150 Mb/sec
TEST DATE : 23 Nov 2015 08:30:08 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

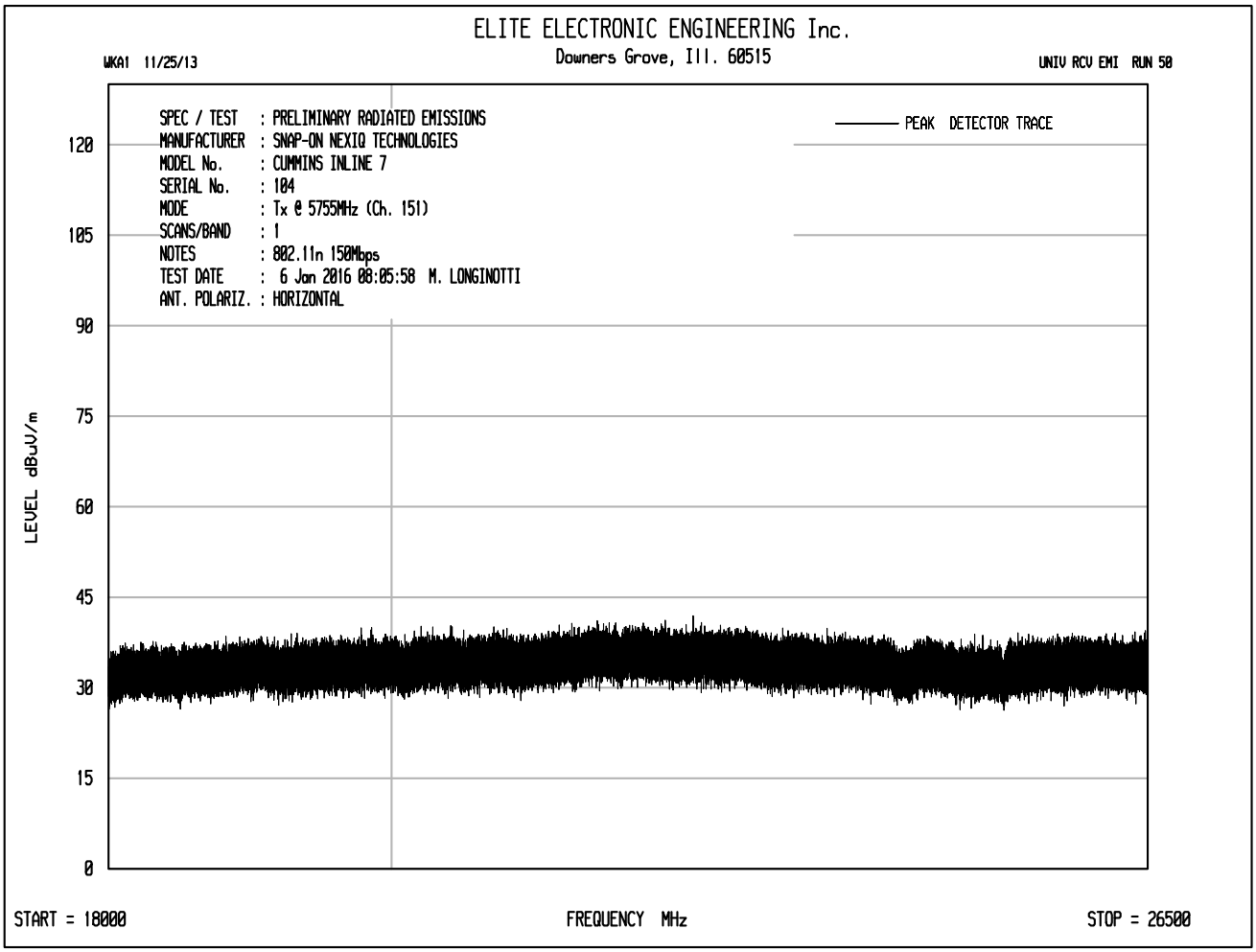

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 54
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 2 Dec 2015 16:27:36 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

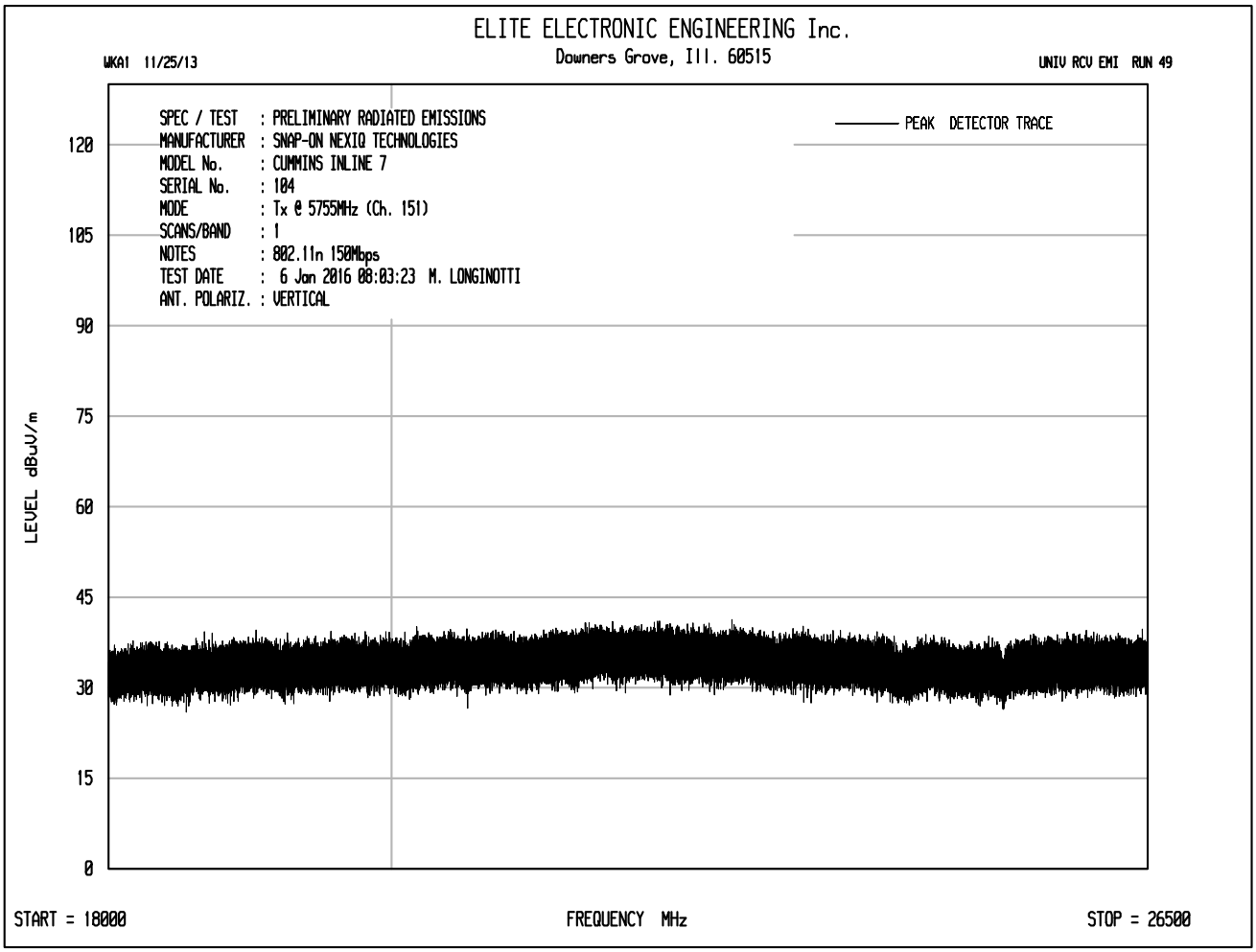

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 76
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 3 Dec 2015 11:20:53 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000

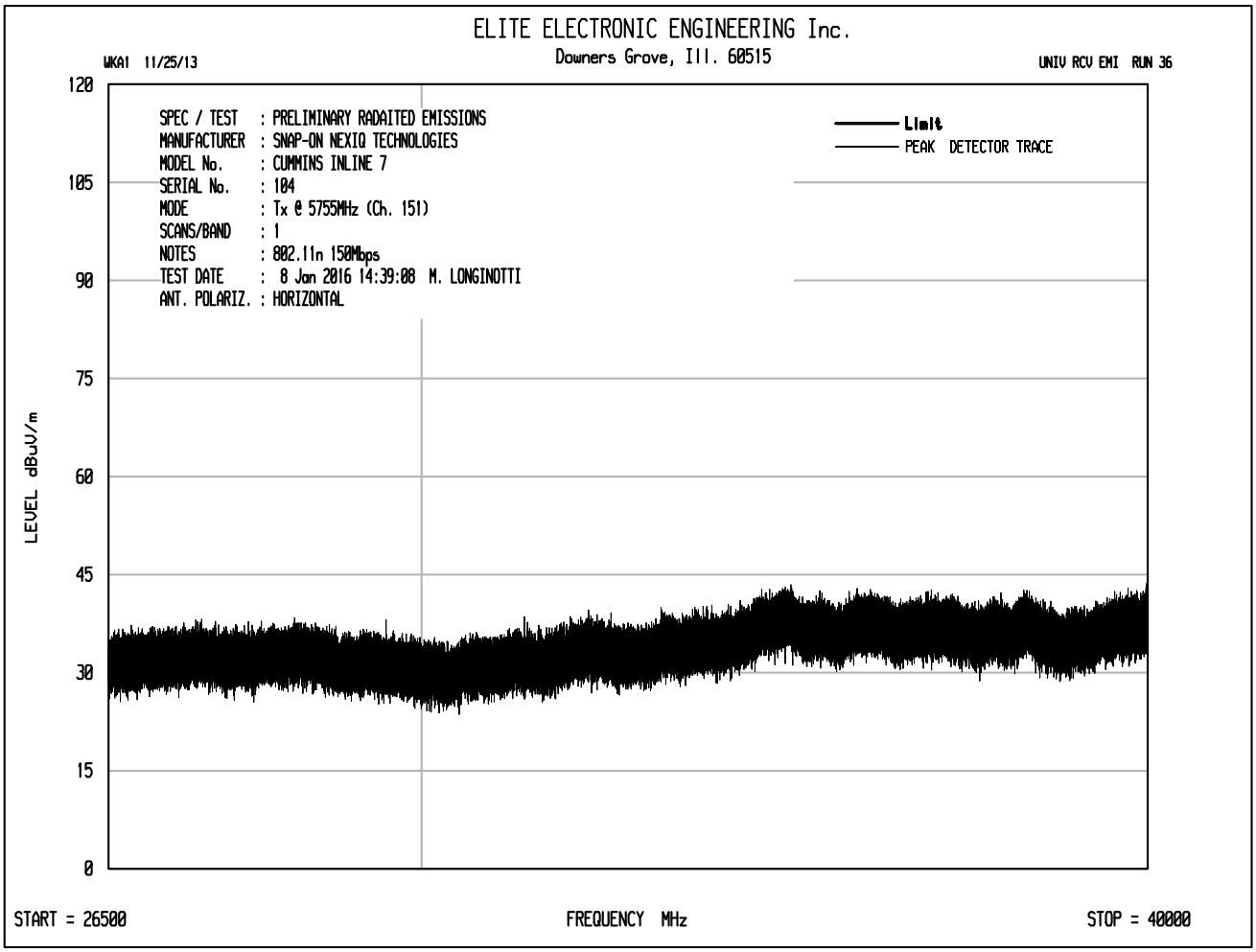

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 3
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHZ (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150 Mb/sec
TEST DATE : 23 Nov 2015 08:28:46 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

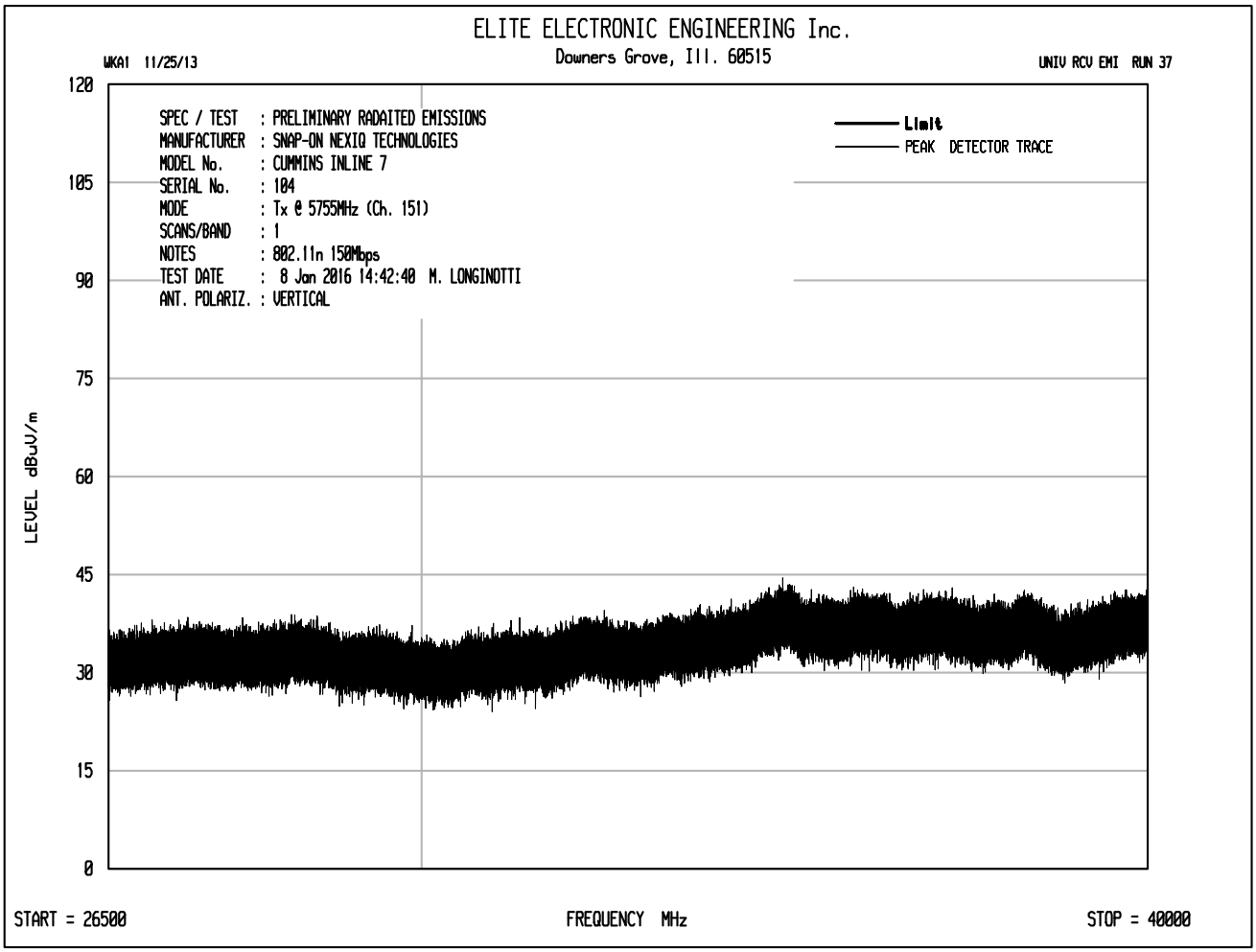

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 55
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 2 Dec 2015 16:30:05 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 75
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 3 Dec 2015 11:16:17 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 50
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 6 Jan 2016 08:05:58 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 49
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 6 Jan 2016 08:03:23 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 36
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 8 Jan 2016 14:39:08 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 37
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5755MHz (Ch. 151)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 8 Jan 2016 14:42:40 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5755MHz, 802.11n 150 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11510.00	H	47.7	Ambient	7.8	38.5	-39.2	54.8	550.0	5000.0	-19.2
11510.00	V	47.8	Ambient	7.8	38.5	-39.2	54.9	556.4	5000.0	-19.1
23020.00	H	36.1	Ambient	2.3	40.6	-30.0	49.0	282.1	5000.0	-25.0
23020.00	V	36.6	Ambient	2.3	40.6	-30.0	49.5	298.8	5000.0	-24.5

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

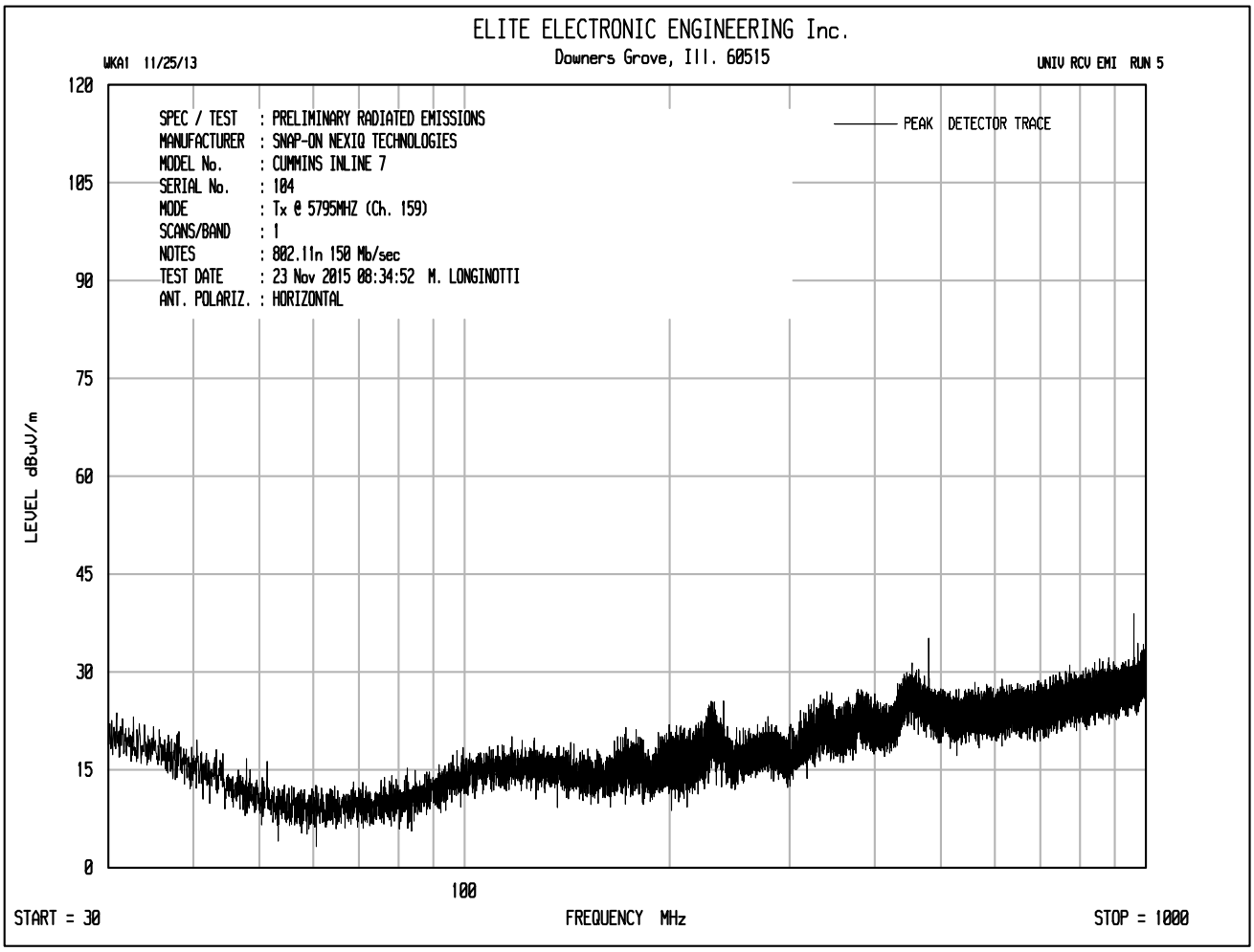
Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

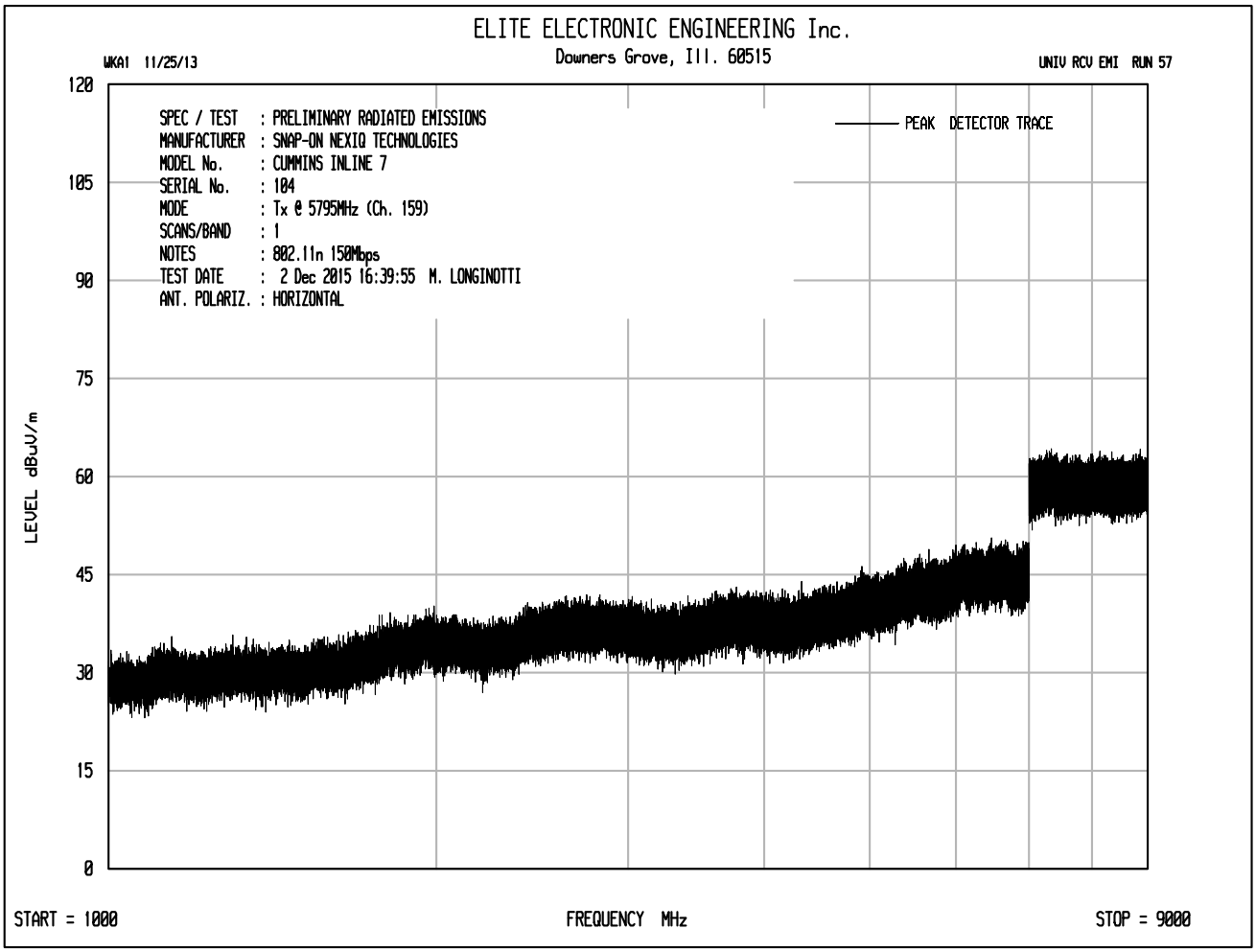
Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5755MHz, 802.11n 150 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

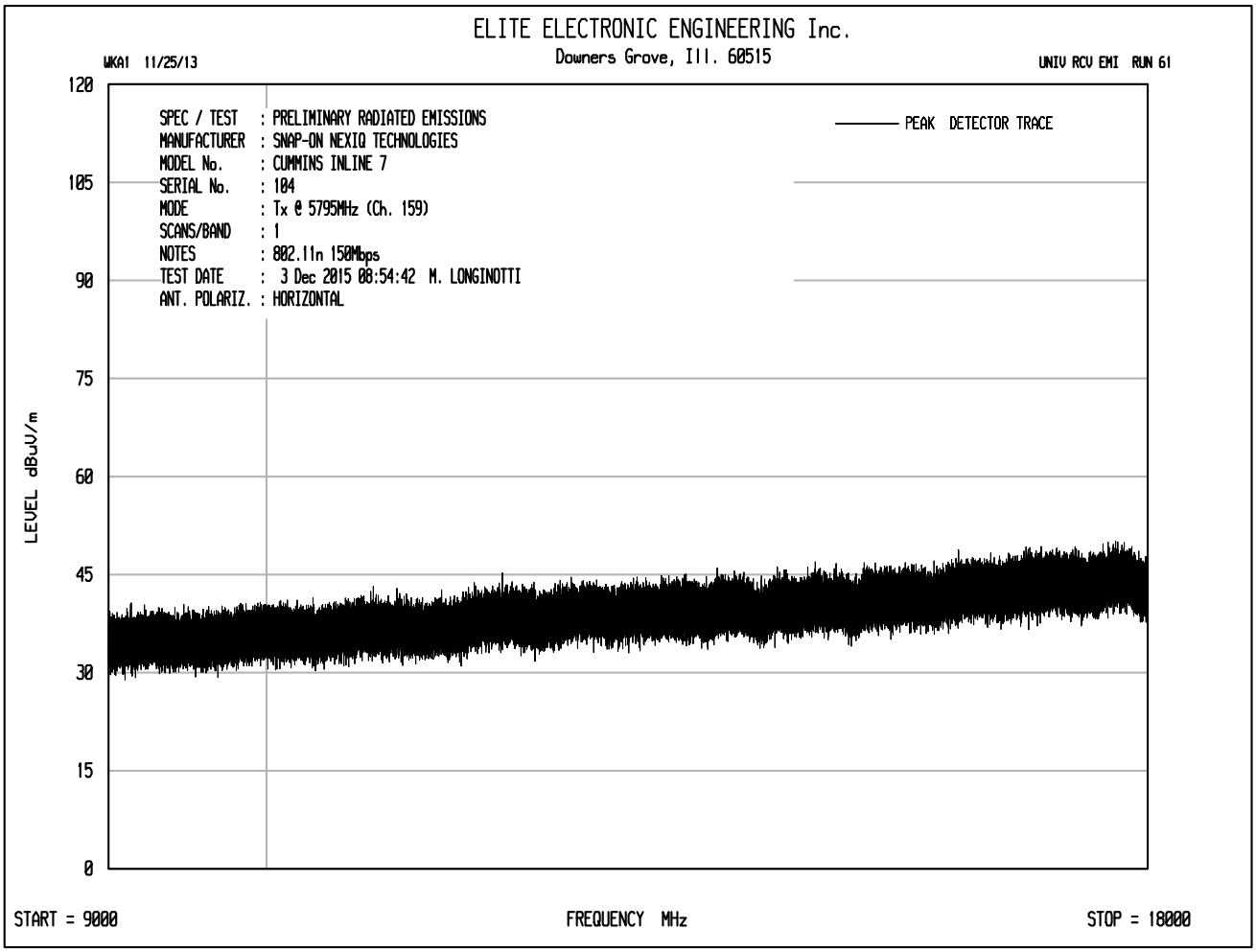
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11510.00	H	35.9	Ambient	7.8	38.5	-39.2	43.0	141.4	500.0	-11.0
11510.00	V	35.9	Ambient	7.8	38.5	-39.2	43.0	141.4	500.0	-11.0
23020.00	H	24.9	Ambient	2.3	40.6	-30.0	37.8	77.7	500.0	-16.2
23020.00	V	24.8	Ambient	2.3	40.6	-30.0	37.7	76.8	500.0	-16.3

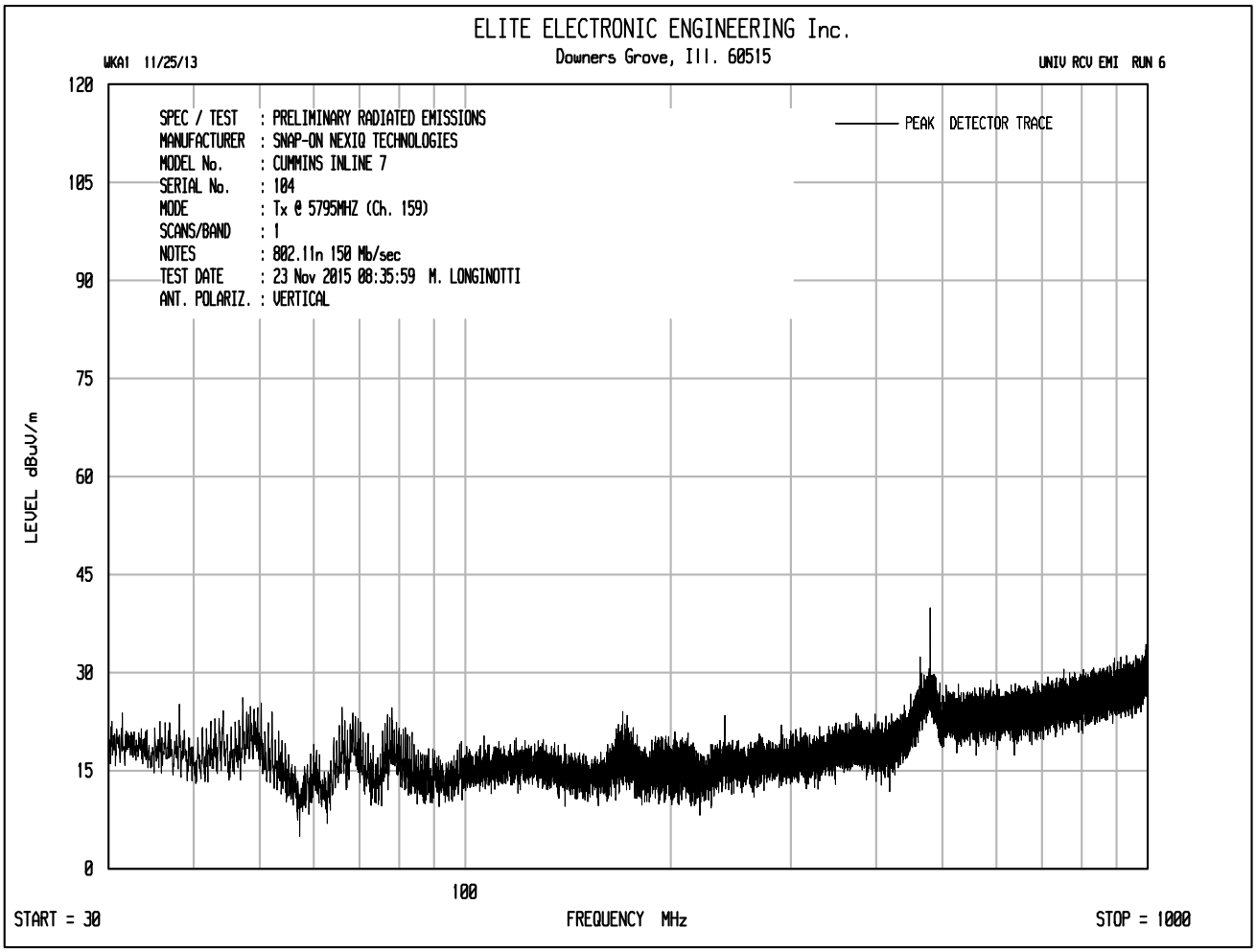
Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

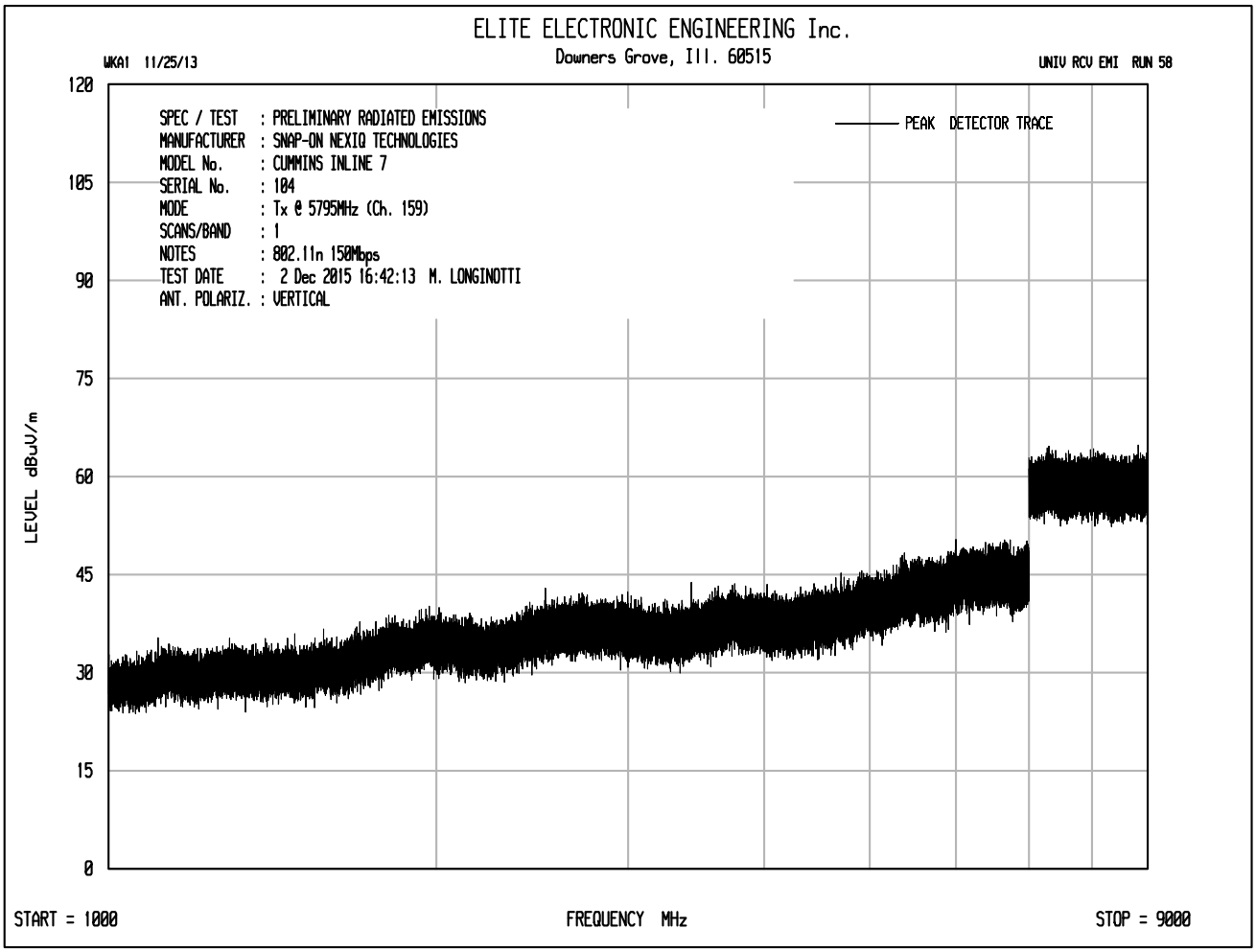
Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

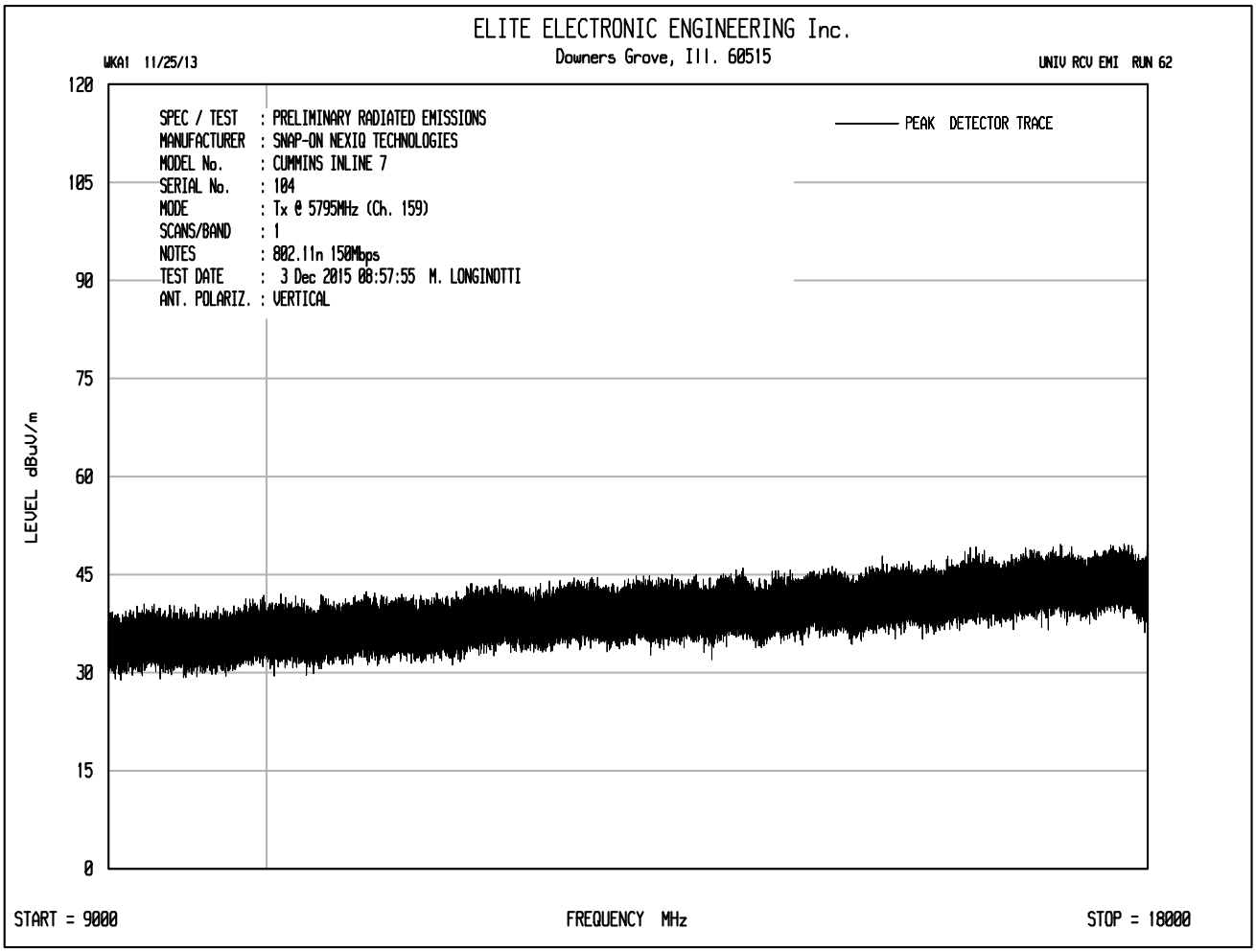

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 5
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHZ (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150 Mb/sec
TEST DATE : 23 Nov 2015 08:34:52 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

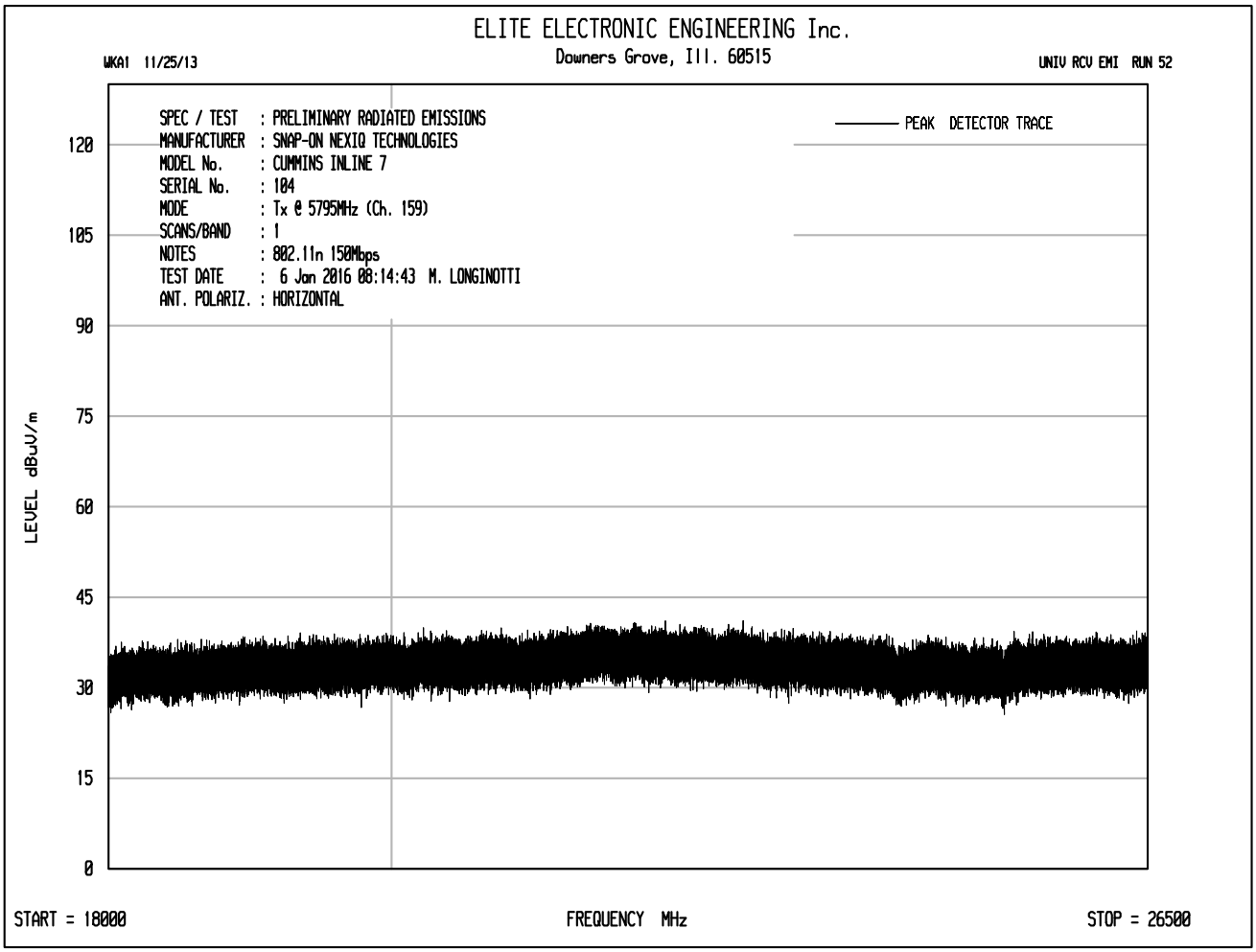

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 57
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 2 Dec 2015 16:39:55 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000

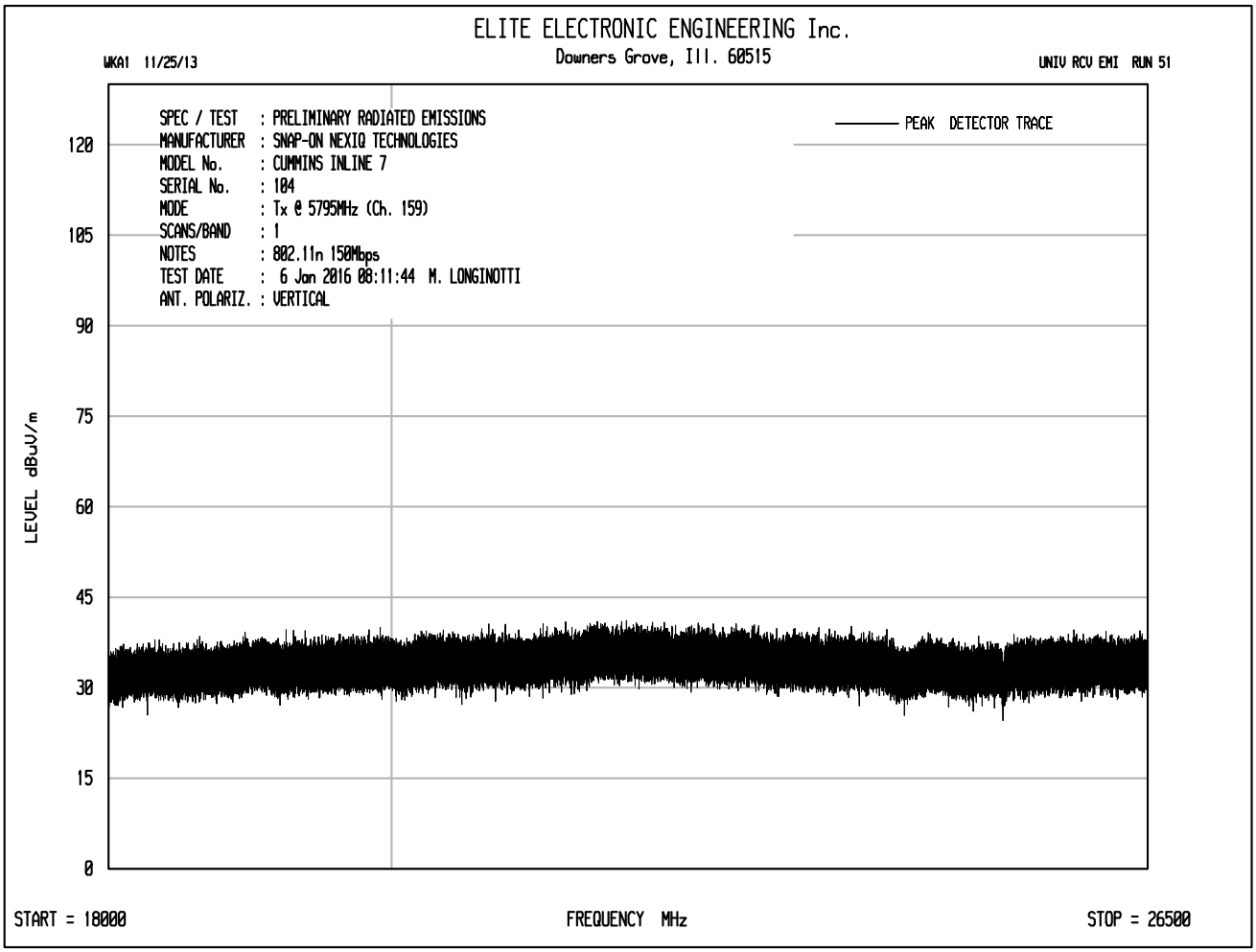

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 61
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 3 Dec 2015 08:54:42 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000

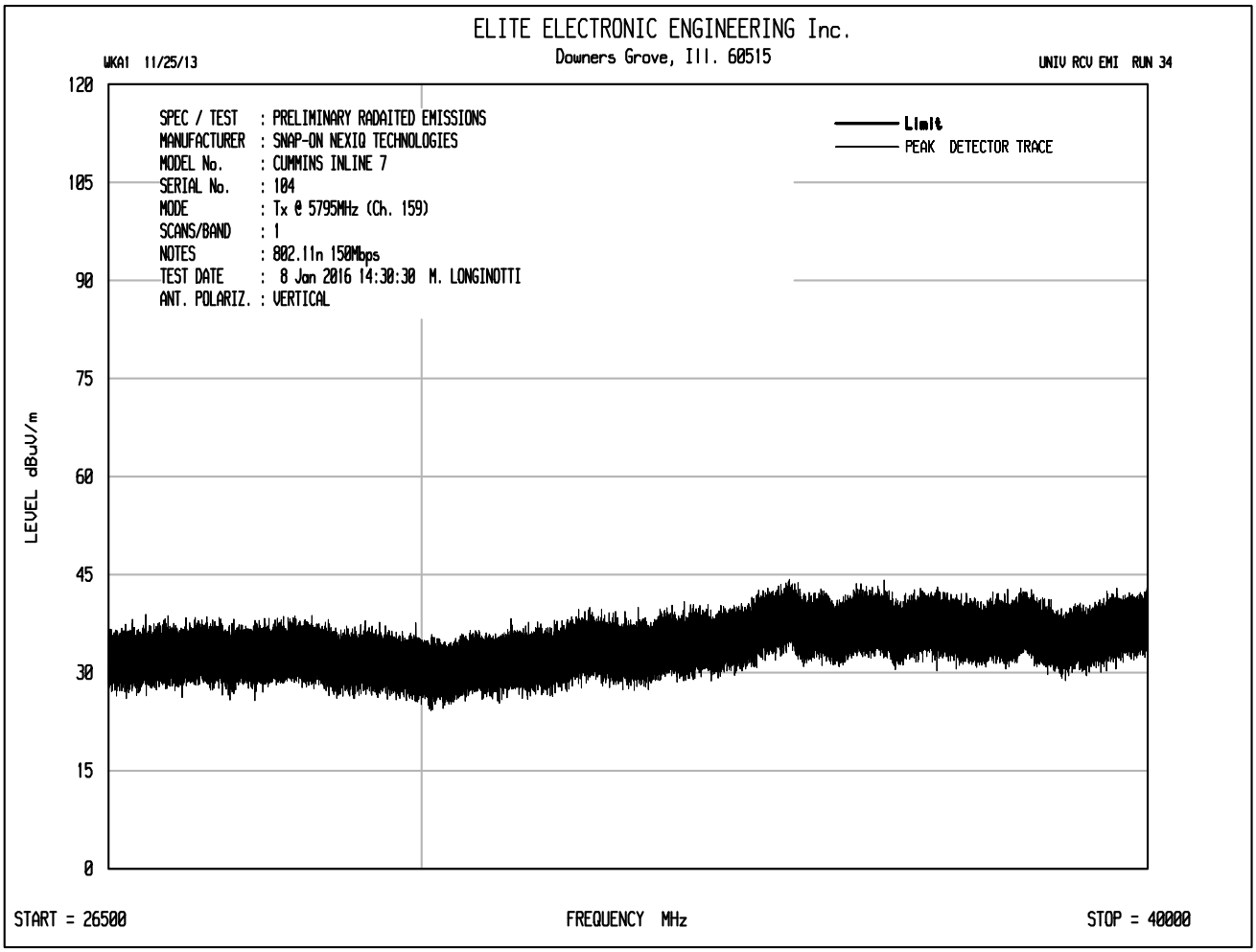

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 6
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHZ (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150 Mb/sec
TEST DATE : 23 Nov 2015 08:35:59 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
100
START = 30
FREQUENCY MHz
STOP = 1000

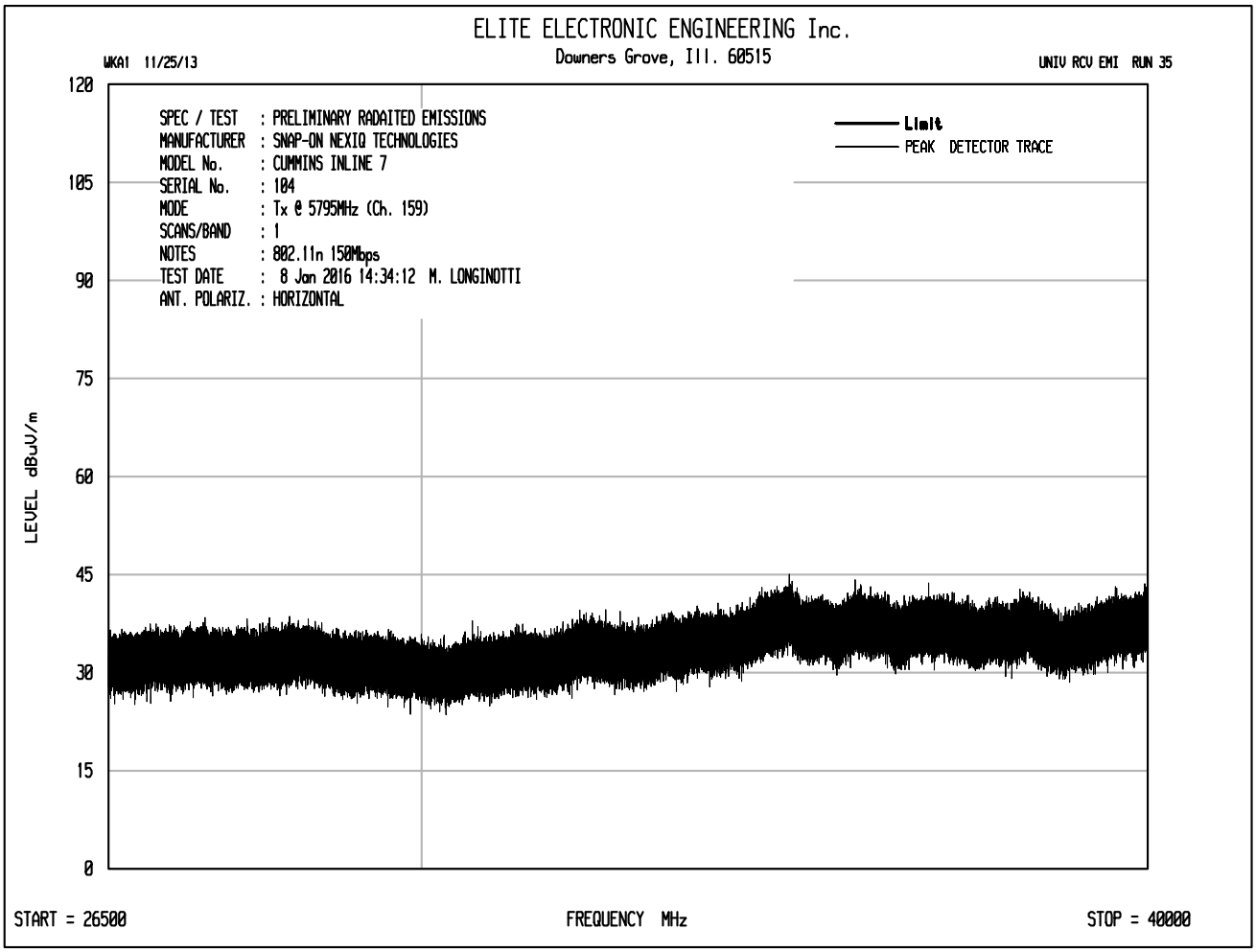

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 58
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 2 Dec 2015 16:42:13 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 1000
FREQUENCY MHz
STOP = 9000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 62
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 3 Dec 2015 08:57:55 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 9000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 52
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 6 Jan 2016 08:14:43 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 51
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 6 Jan 2016 08:11:44 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 26500


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 34
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 8 Jan 2016 14:30:30 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
120
105
90
75
60
45
30
15
0
LEVEL dBuV/m
START = 26500
FREQUENCY MHz
STOP = 40000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
WKA1 11/25/13
UNIV RCV EMI RUN 35
SPEC / TEST : PRELIMINARY RADAITED EMISSIONS
MANUFACTURER : SNAP-ON NEXIQ TECHNOLOGIES
MODEL No. : CUMMINS INLINE 7
SERIAL No. : 104
MODE : Tx @ 5795MHz (Ch. 159)
SCANS/BAND : 1
NOTES : 802.11n 150Mbps
TEST DATE : 8 Jan 2016 14:34:12 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 26500
FREQUENCY MHz
STOP = 40000

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5795MHz, 802.11n 150 Mb/sec
Test Distance : 3 meters
Notes : Peak Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Peak Total dBuV/m at 3m	Peak Total uV/m at 3 m	Peak Limit uV/m at 3 m	Margin (dB)
11590.00	H	49.1	Ambient	7.8	38.6	-39.2	56.3	656.5	5000.0	-17.6
11590.00	V	48.4	Ambient	7.8	38.6	-39.2	55.6	605.6	5000.0	-18.3

Peak Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Peak Total (uV/m) = 10^(Peak Total (dBuV/m)/20)

Manufacturer : Snap-On Nexiq Technologies
Model No. : Cummins INLINE 7
Serial No. : 104
Date Tested : November 20, 2015 through January 8, 2016
Test Performed : Radiated Spurious Emissions in Restricted Bands
Mode : Transmit at 5755MHz, 802.11n 150 Mb/sec
Test Distance : 3 meters
Notes : Average Readings with a 1MHz RBW

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	CBL Fac (dB)	Ant Fac (dB)	Pre Amp (dB)	Average Total dBuV/m at 3m	Average Total uV/m at 3 m	Average Limit uV/m at 3 m	Margin (dB)
11590.00	H	36.1	Ambient	7.8	38.6	-39.2	43.3	147.0	500.0	-10.6
11590.00	V	36.4	Ambient	7.8	38.6	-39.2	43.6	152.1	500.0	-10.3

Average Total (dBuV/m) = Meter Reading (dBuV) + CBL Fac (dB) + Ant Fac (dB) + Pre Amp (dB)

Average Total (uV/m) = 10^(Peak Total (dBuV/m)/20)