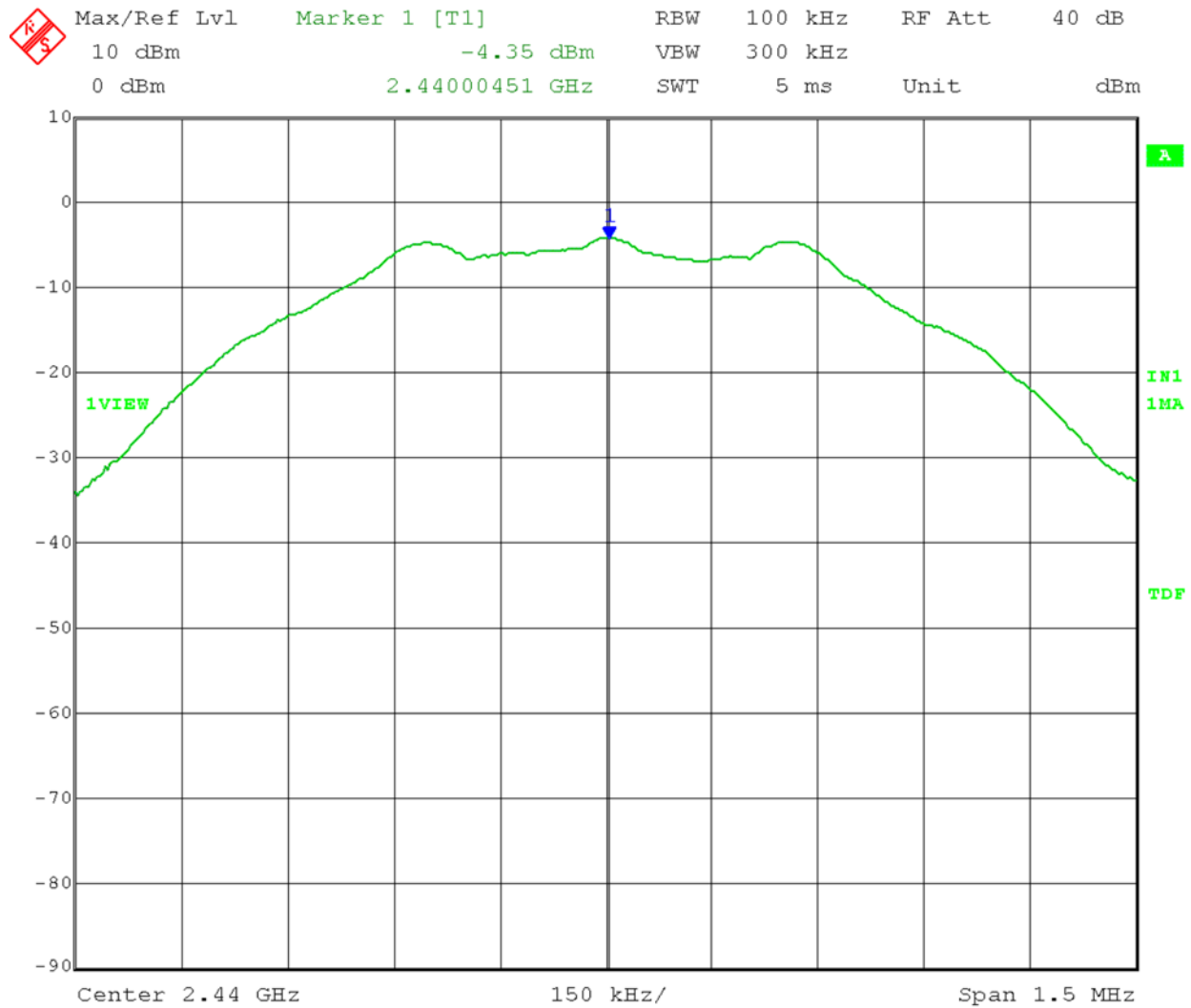


Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: Mid Channel: Ch.19 Frequency: 2440 MHz
Reference Level: -4.35 dBm
Limit: -4.35 dBm -20 dB = -24.35 dBm

Reference level measurement:-4.35dbm



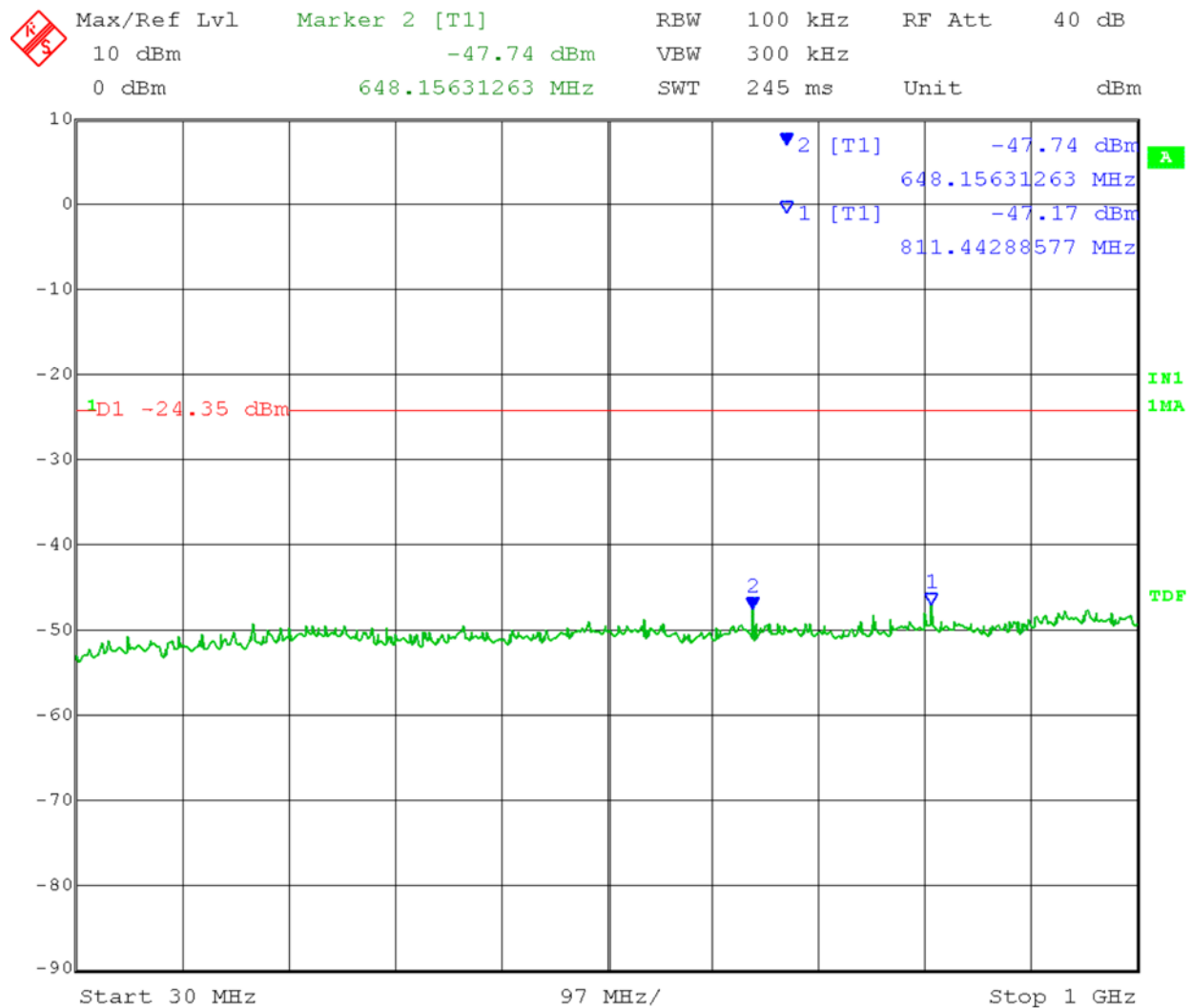
Date: 25.APR.2017 15:13:48

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: Mid Channel: Ch.19 Frequency: 2440 MHz
Reference Level: -4.35 dBm
Limit: -4.35 dBm -20 dB = -24.35 dBm

Reference level measurement:-4.35dbm

Frequency Range: 30-1000 MHz

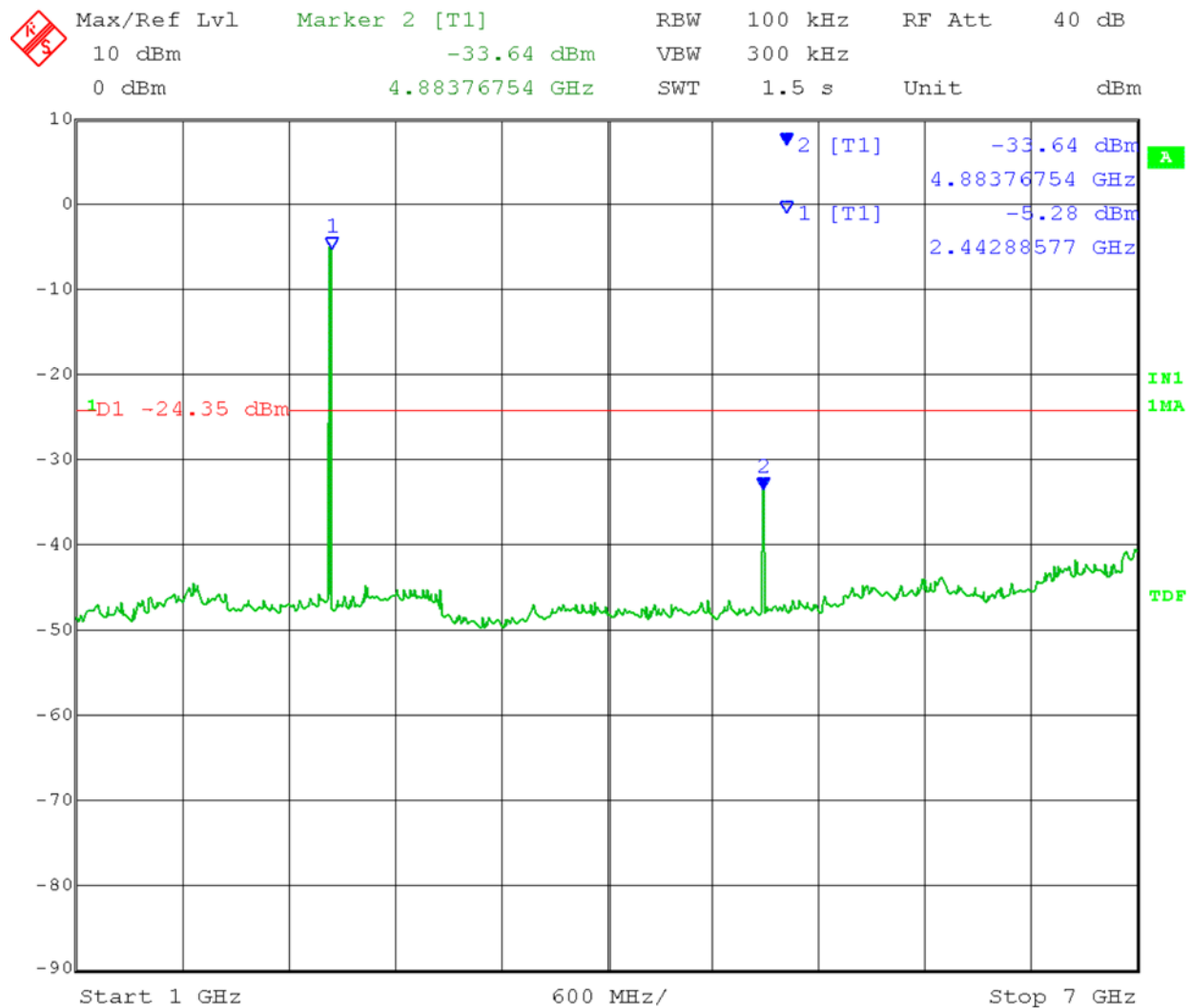


Date: 25.APR.2017 15:17:01

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: Mid Channel: Ch.19 Frequency: 2440 MHz
Reference Level: -4.35 dBm
Limit: -4.35 dBm -20 dB = -24.35 dBm

Reference level measurement:-4.35dbm Frequency Range: 1 – 7 GHz

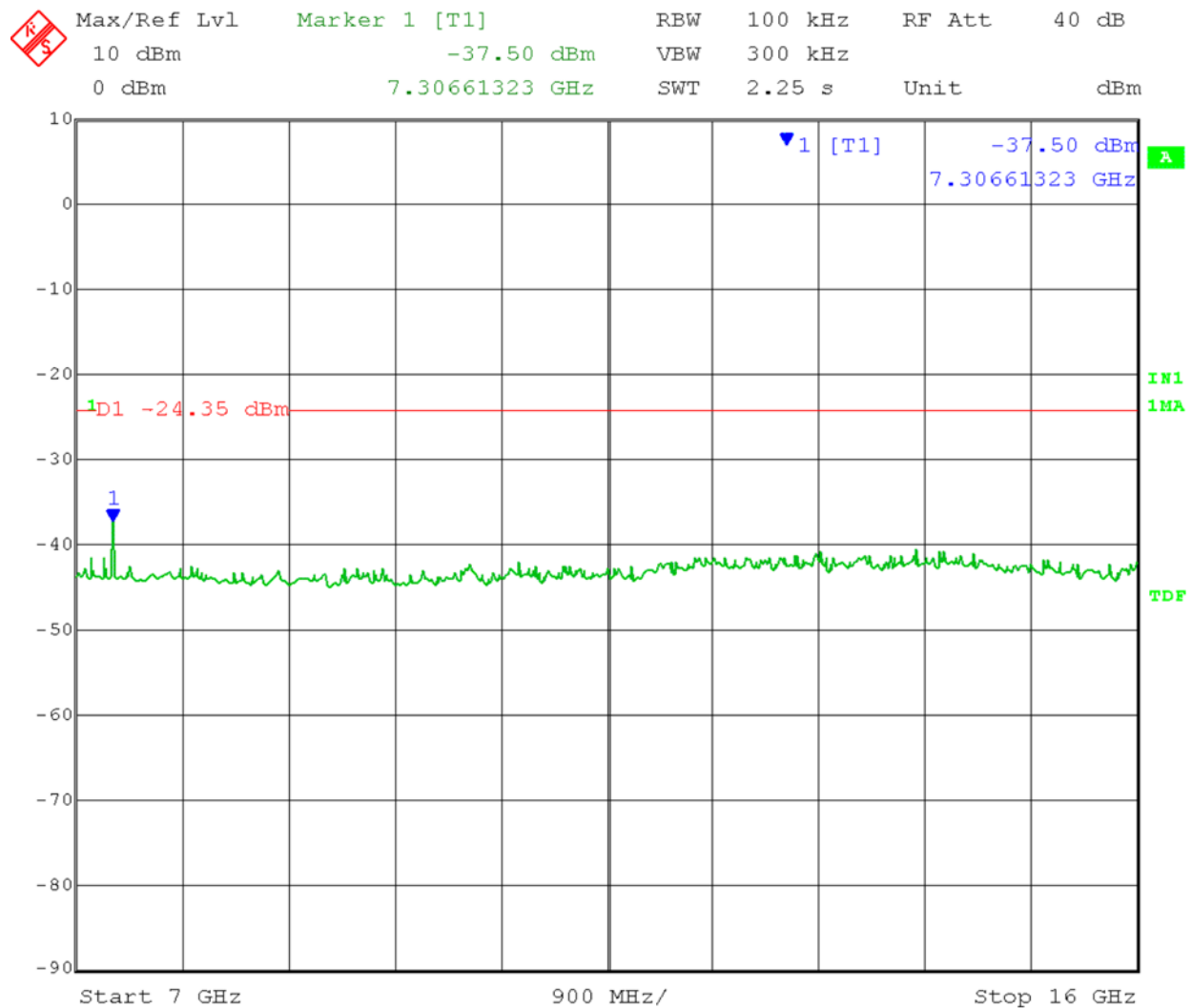


Date: 25.APR.2017 15:19:18

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: Mid Channel: Ch.19 Frequency: 2440 MHz
Reference Level: -4.35 dBm
Limit: -4.35 dBm -20 dB = -24.35 dBm

Reference level measurement:-4.35dbm Frequency Range: 7-16 GHz



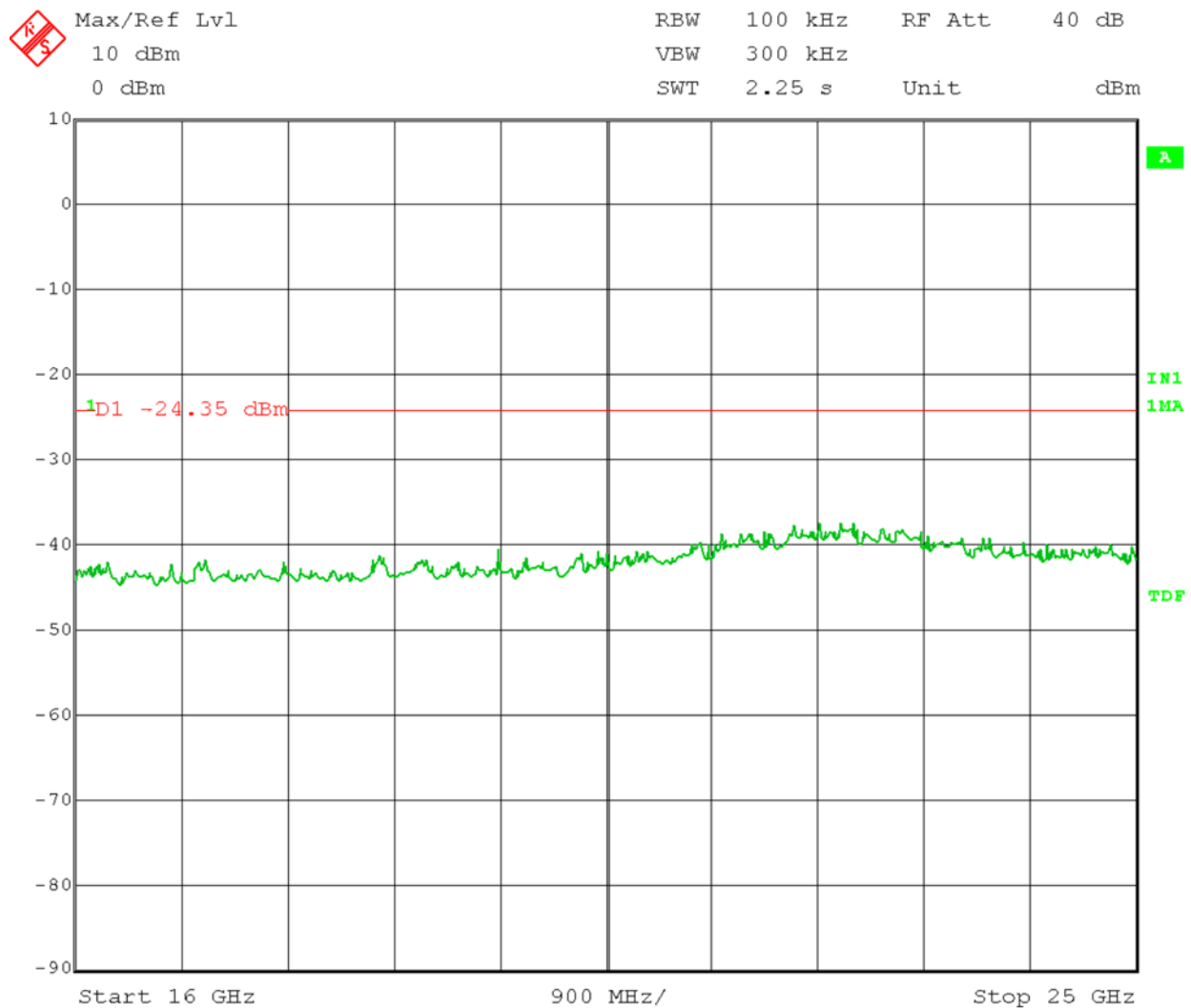
Date: 25.APR.2017 15:21:54

Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: Mid Channel: Ch.19 Frequency: 2440 MHz
Reference Level: -4.35 dBm
Limit: -4.35 dBm -20 dB = -24.35 dBm

Reference level measurement:-4.35dbm

Frequency Range: 16-25 GHz

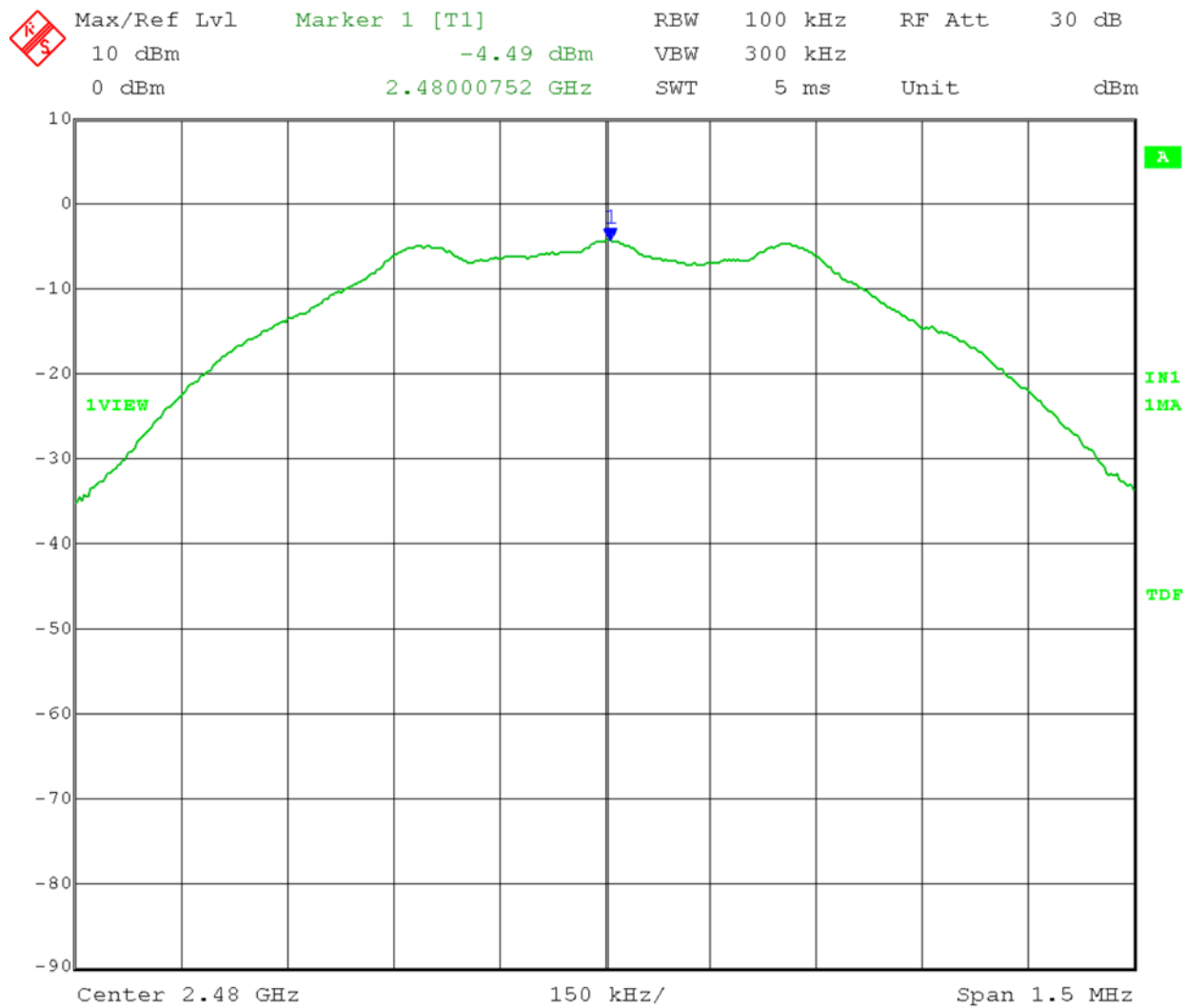


Date: 25.APR.2017 15:23:51

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: High Channel: Ch.39 Frequency: 2480 MHz
Reference Level: -4.49 dBm
Limit: -4.49 dBm -20 dB = -24.49 dBm

Reference Level Measurement: -4.49dbm



Date: 25.APR.2017 14:59:16

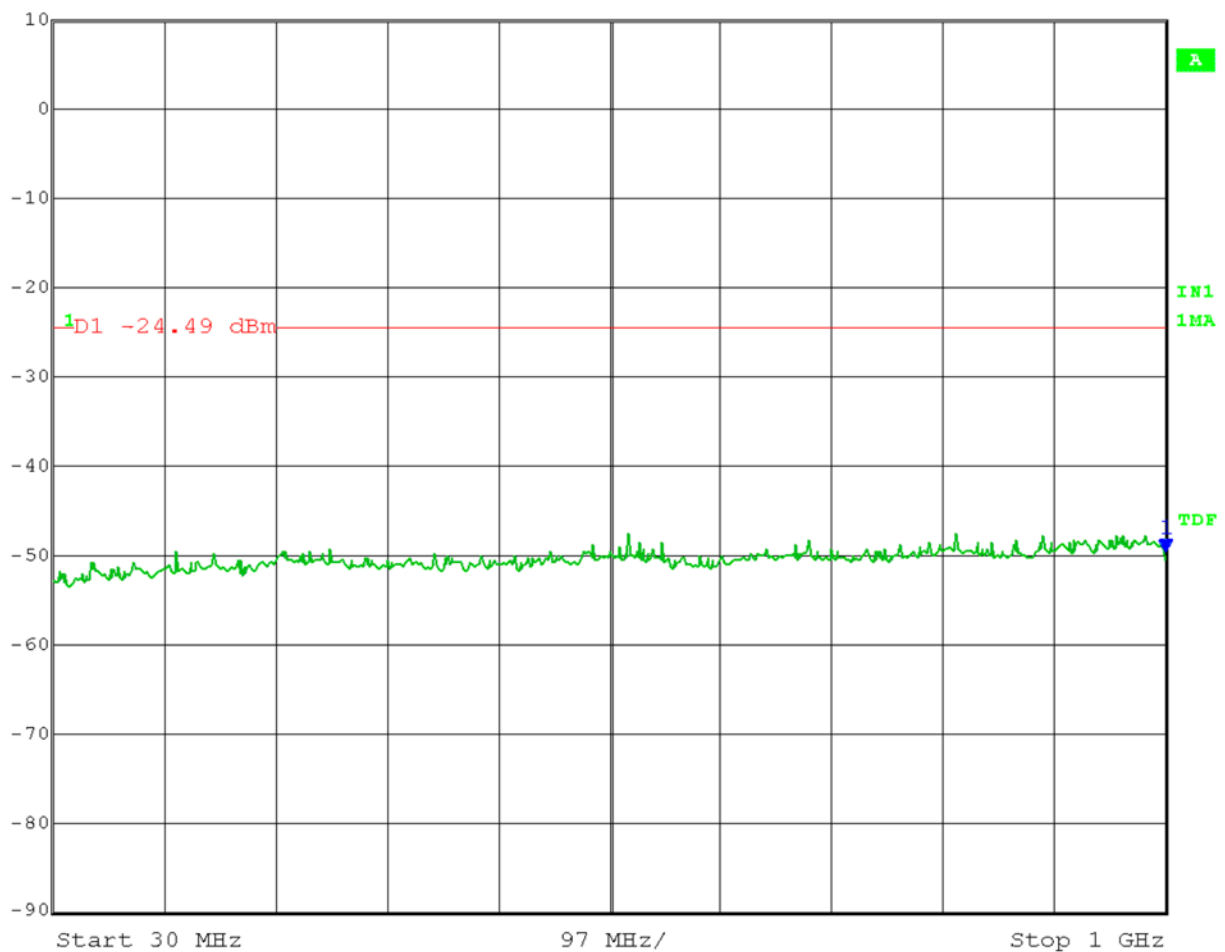
Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: High Channel: Ch.39 Frequency: 2480 MHz
Reference Level: -4.49 dBm
Limit: -4.49 dBm -20 dB = -24.49 dBm

Reference Level Measurement: -4.49dbm

Frequency Range: 30-1000 MHz

	Max/Ref Lvl	Marker 1 [T1]	RBW	100 kHz	RF Att	40 dB
	10 dBm	-49.56 dBm	VBW	300 kHz		
	0 dBm	1.00000000 GHz	SWT	245 ms	Unit	dBm



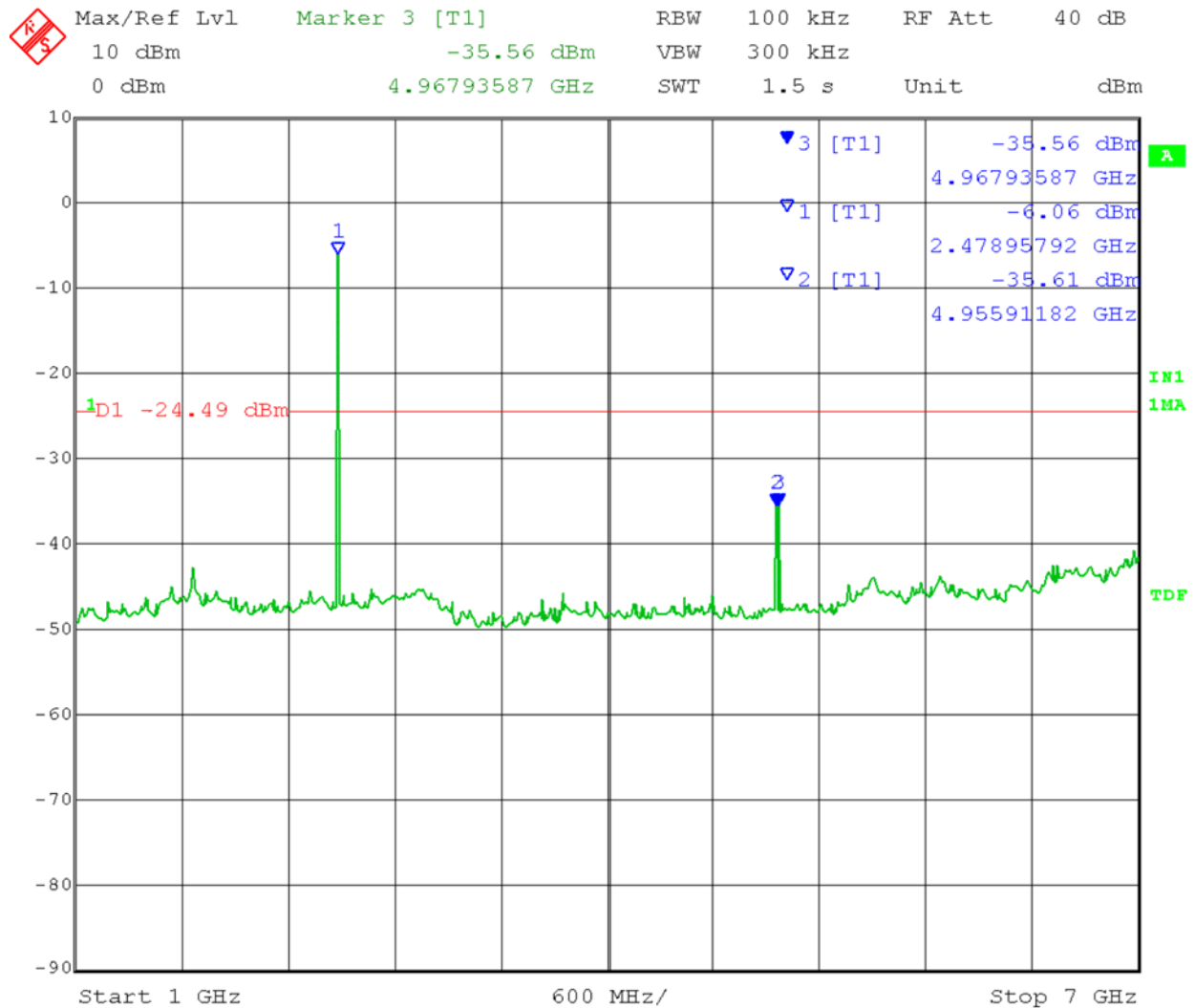
Date: 25.APR.2017 15:01:52

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: High Channel: Ch.39 Frequency: 2480 MHz
Reference Level: -4.49 dBm
Limit: -4.49 dBm -20 dB = -24.49 dBm

Reference Level Measurement: -4.49dbm

Frequency Range: 1 – 7 GHz



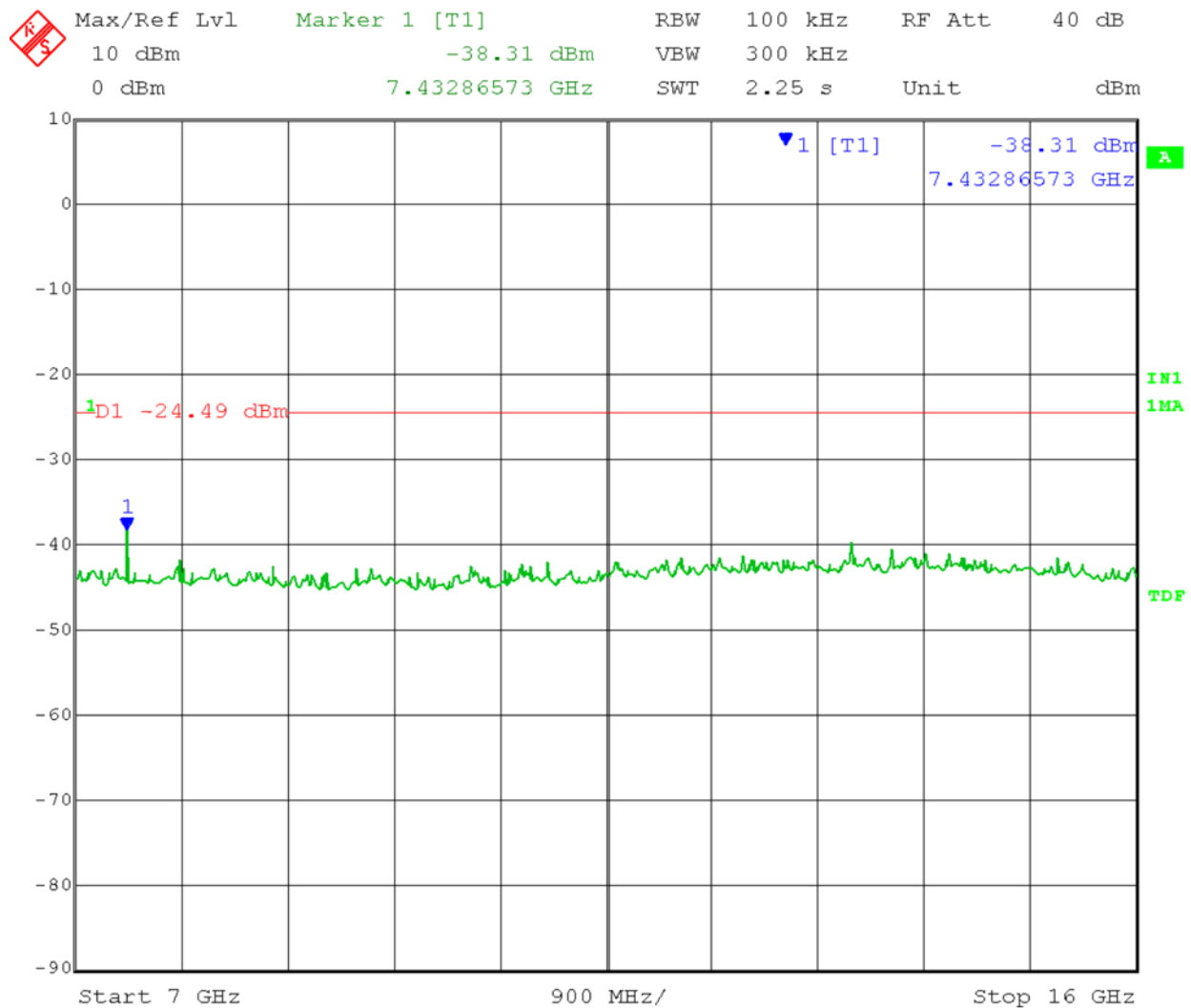
Date: 25.APR.2017 15:04:34

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: High Channel: Ch.39 Frequency: 2480 MHz
Reference Level: -4.49 dBm
Limit: -4.49 dBm -20 dB = -24.49 dBm

Reference Level Measurement: -4.49dbm

Frequency Range: 7-16 GHz



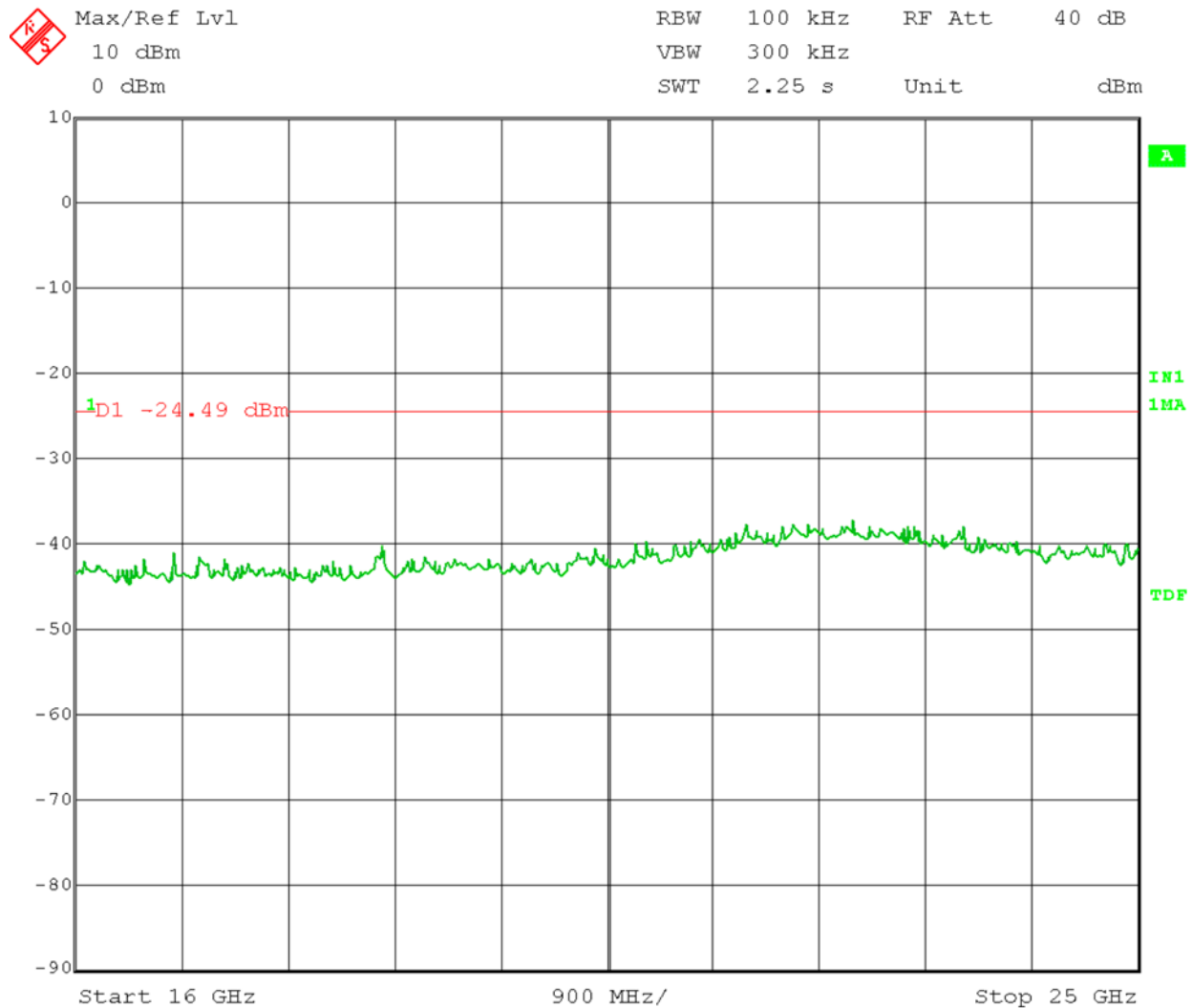
Date: 25.APR.2017 15:07:27

Test Date: 4-25-2017
Company: Beam Authentic
EUT: Beam 1
Test: Spurious Emissions - Conducted
Operator: Paul L

Comment: High Channel: Ch.39 Frequency: 2480 MHz
Reference Level: -4.49 dBm
Limit: -4.49 dBm -20 dB = -24.49 dBm

Reference Level Measurement: -4.49dbm

Frequency Range: 16-25 GHz



Date: 25.APR.2017 15:09:13



Company:	Beam Authentic
Model Tested:	BEAM1
Report Number:	22720
DLS Project:	8791

166 South Carter, Genoa City, WI 53128

Appendix B

B8.0 Emissions in Restricted Frequency Bands – Radiated

Rule Part: FCC Part 15.247(d), 15.205(a), 15.209(a)

Test Procedure: ANSI C63.10-2013, sections 11.12 & 11.12.1

Limit: FCC 15.209

Results: Compliant

Notes: The EUT was set to transmit continuously (62% Duty Cycle) at its maximum power level at the low, middle and high channels of the operating band. Peak measurements were taken with RBW = 1 MHz, VBW = 3 MHz. Average measurements were taken with RBW = 1 MHz, VBW = 3MHz. A voltage duty cycle correction factor of 4.152 dB was added to the Average measurements.

No emissions were found from 30-1000MHz or 18-25GHz.

Radiated Emissions in Restricted Bands – 1 GHz to 25 GHz

1 GHz to 18 GHz Tested at a 3 Meter Distance

EUT:

Beam 1

Manufacturer:

Beam Authentic

Operating Condition:

70deg F 35%R.H.

Test Site:

G1

Operator:

Paul L

Test Specification:

Low channel: 2402MHz, 62% Duty Cycle, 4.152dB Duty Cycle Correction Factor

Comment:

FCC Pt15.247 FCCPart15.205

Date:

04-25-2017

Notes:

All other emissions at least 20 dB under the limit. No emissions found from 30-1000MHz or 18-25GHz

Frequency (MHz)	Measurement Type	Antenna Polarization	Level (dBuV)	Antenna Factor (dB/m)	System Loss (dB)	Duty Cycle Correction (dB)	Total Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	EUT Angle (deg)	Comment
4804.00	Max Peak	Vert	58.76	32.84	-36.6	0	55.0	74	19.0	1.4	252	RB 2nd Harmonic
4804.00	Average	Vert	48.29	32.84	-36.6	4.152	48.7	54	5.3	1.4	252	RB 2nd Harmonic
4804.00	Max Peak	Horz	56.46	32.84	-36.6	0	52.7	74	21.3	2.1	364	RB 2nd Harmonic
4804.00	Average	Horz	45.92	32.84	-36.6	4.152	46.3	54	7.7	2.1	364	RB 2nd Harmonic

Radiated Emissions in Restricted Bands – 1 GHz to 25 GHz 1 GHz to 18 GHz Tested at a 3 Meter Distance

EUT:

Beam 1

Manufacturer:

Beam Authentic

Operating Condition:

70deg F 35%R.H.

Test Site:

G1

Operator:

Paul L

Test Specification:

Mid channel: 2440MHz, 62% Duty Cycle, 4.152dB Duty Cycle Correction Factor

Comment:

FCC Pt15.247 FCCPart15.205

Date:

04-25-2017

Notes:

All other emissions at least 20 dB under the limit. No emissions found from 30-1000MHz or 18-25GHz

Frequency (MHz)	Measurement Type	Antenna Polarization	Level (dBuV)	Antenna Factor (dB/m)	System Loss (dB)	Duty Cycle Correction (dB)	Total Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	EUT Angle (deg)	Comment
4880.00	Max Peak	Vert	56.31	32.99	-36.6	0	52.7	74	21.3	1.6	91	RB 2nd Harmonic
4880.00	Average	Vert	46.19	32.99	-36.6	4.152	46.7	54	7.3	1.6	91	RB 2nd Harmonic
4880.00	Max Peak	Horz	55.51	32.99	-36.6	0	51.9	74	22.1	2.6	242	RB 2nd Harmonic
4880.00	Average	Horz	45.51	32.99	-36.6	4.152	46.1	54	7.9	2.6	242	RB 2nd Harmonic
7320.00	Max Peak	Vert	57.14	36.46	-33.8	0	59.8	74	14.2	1.2	20	RB 3rd Harmonic
7320.00	Average	Vert	46.71	36.46	-33.8	4.152	53.5	54	0.5	1.2	20	RB 3rd Harmonic
7320.00	Max Peak	Horz	56.44	36.46	-33.8	0	59.1	74	14.9	1.3	6	RB 3rd Harmonic
7320.00	Average	Horz	45.92	36.46	-33.8	4.152	52.7	54	1.3	1.3	6	RB 3rd Harmonic

Radiated Emissions in Restricted Bands – 1 GHz to 25 GHz 1 GHz to 18 GHz Tested at a 3 Meter Distance

EUT:

Beam 1

Manufacturer:

Beam Authentic

Operating Condition:

70deg F 35%R.H.

Test Site:

G1

Operator:

Paul L

Test Specification:

High channel: 2480MHz, 62% Duty Cycle, 4.152dB Duty Cycle Correction Factor

Comment:

FCC Pt15.247 FCCPart15.205

Date:

04-25-2017

Notes:

All other emissions at least 20 dB under the limit. No emissions found from 30-1000MHz or 18-25GHz

Frequency (MHz)	Measurement Type	Antenna Polarization	Level (dBuV)	Antenna Factor (dB/m)	System Loss (dB)	Duty Cycle Correction (dB)	Total Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	EUT Angle (deg)	Comment
4960.00	Max Peak	Vert	55.42	33.08	-36.7	0	51.8	74	22.2	1.1	264	2nd Harmonic
4960.00	Average	Vert	45.19	33.08	-36.7	4.152	45.7	54	8.3	1.1	264	2nd Harmonic
4960.00	Max Peak	Horz	54.12	33.08	-36.7	0	50.5	74	23.5	1.4	124	2nd Harmonic
4960.00	Average	Horz	44.26	33.08	-36.7	4.152	44.8	54	9.2	1.4	124	2nd Harmonic
7440.40	Max Peak	Vert	54.74	36.56	-33.0	0	58.3	74	15.7	1.5	331	3rd Harmonic
7440.40	Average	Vert	44.21	36.56	-33.0	4.152	51.9	54	2.1	1.5	331	3rd Harmonic
7440.40	Max Peak	Horz	60.10	36.56	-33.0	0	58.4	74	15.6	1.5	21	3rd Harmonic
7440.40	Average	Horz	44.26	36.56	-33.0	4.152	52.0	54	2.0	1.5	21	3rd Harmonic



Company:	Beam Authentic
Model Tested:	BEAM1
Report Number:	22720
DLS Project:	8791

166 South Carter, Genoa City, WI 53128

Appendix B

B9.0 AC Line Conducted Emissions

Rule Part: FCC 15.207

Test Procedure: ANSI C63.10-2013, section 6.2

Limit: FCC 15.207(a)

Results: Compliant

Notes: This was an AC line conducted emissions measurement.
The EUT was powered from an Apple 5W USB Poweer Adapter, model MD810LL/A with an input of 120V and 240V / 60 Hz.

AC line conducted emissions were explored with a baseline fully charged battery operated unit, a unit charging a discharged battery while displaying data, and a fully charged unit connected to the AC mains. Data was supplied for all three conditions.

PMM NARDA REPORT: Beam 120V 60Hz Charging L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

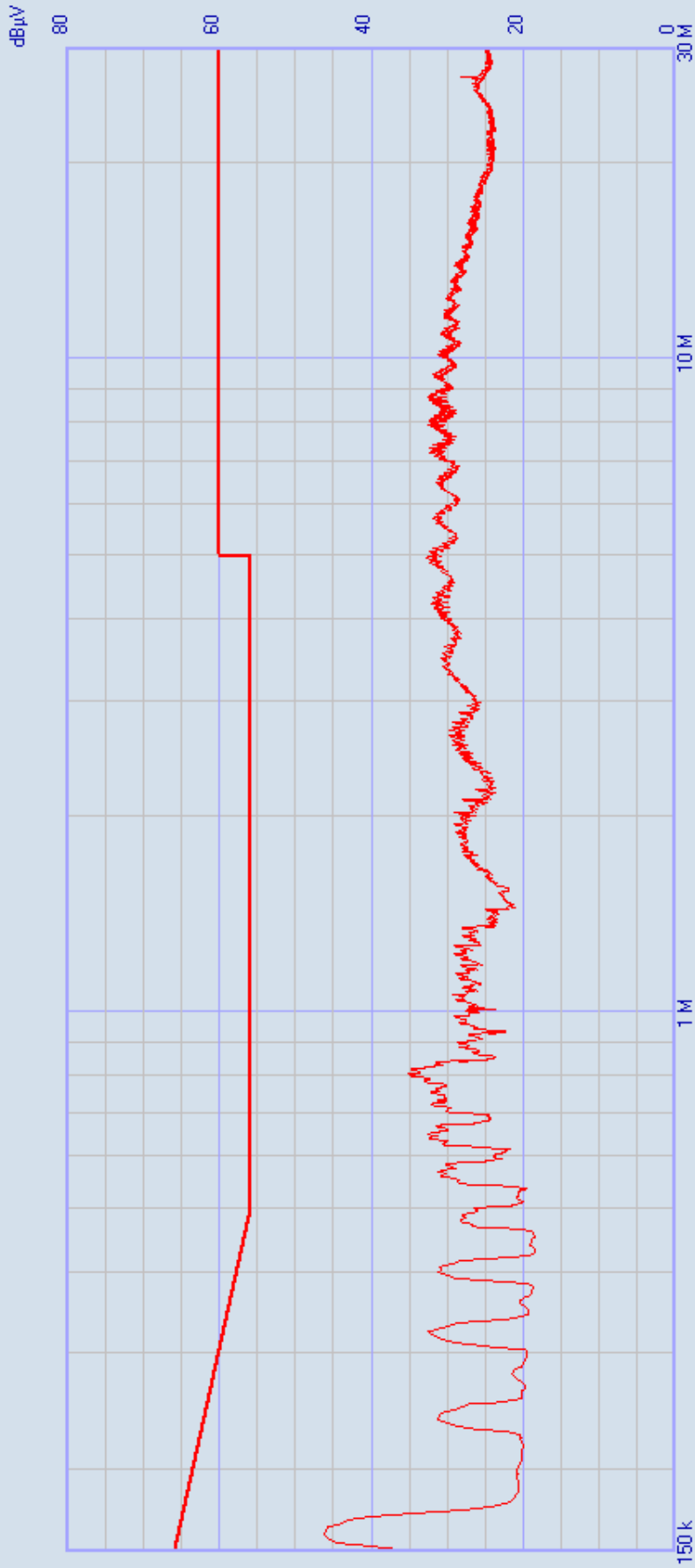
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Charging L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak

Beam 120V 60Hz Charging L1 31/03/2017 09:57:13
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 22 dB

	Frequency [MHz]	QPeak [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1	0.15409	44.70	65.78	-21.08	1.59	9.98	2.14	0.15
2	0.156135	45.77	65.67	-19.90	1.57	9.98	2.12	0.14
3	0.15818	46.27	65.56	-19.29	1.54	9.99	2.10	0.13
4	0.160225	46.05	65.45	-19.40	1.51	9.99	2.07	0.12
5	0.16227	45.67	65.35	-19.68	1.49	10.00	2.05	0.11
6	0.164315	44.39	65.24	-20.85	1.46	10.00	2.03	0.10
7	0.79622	34.23	56.00	-21.77	0.36	10.20	0.54	0.16
8	0.798265	35.04	56.00	-20.96	0.36	10.20	0.54	0.16
9	0.80031	35.10	56.00	-20.90	0.36	10.20	0.54	0.16
10	0.802355	34.34	56.00	-21.66	0.35	10.20	0.53	0.17
11	0.81258	34.14	56.00	-21.86	0.35	10.20	0.53	0.17
12	0.814625	34.59	56.00	-21.41	0.35	10.20	0.52	0.17
13	0.81667	34.05	56.00	-21.95	0.35	10.20	0.52	0.17

PMM NARDA REPORT: Beam 120V 60Hz Charging L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

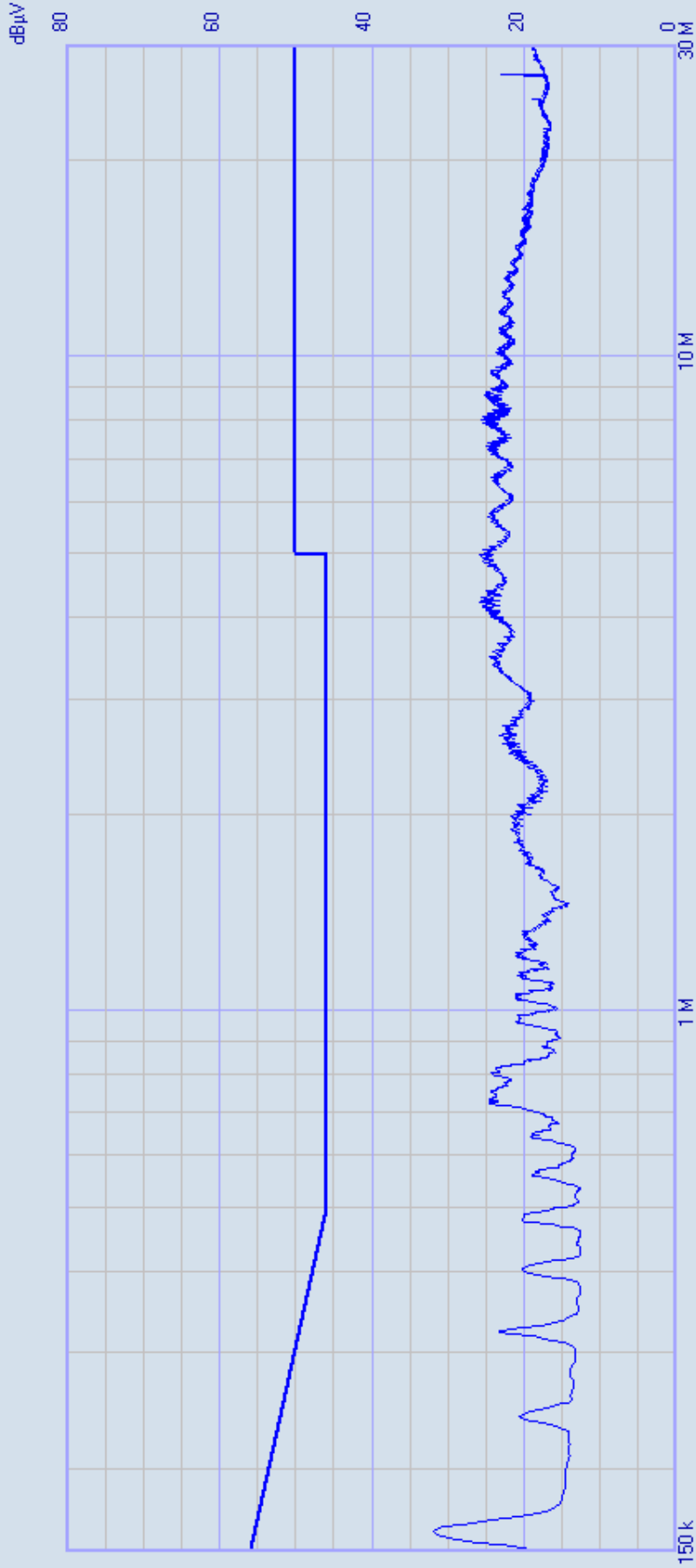
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Charging L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors:
C-Avg

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam 120V 60Hz Charging L1 31/03/2017 09:57:13
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 20.5 dB

Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 4.188875	25.54	46.00	-20.46	0.27	10.23	0.22	0.40
2 4.19092	25.70	46.00	-20.30	0.27	10.23	0.22	0.40
3 4.192965	25.60	46.00	-20.40	0.27	10.23	0.22	0.40
4 4.270675	25.52	46.00	-20.48	0.27	10.23	0.22	0.40
5 4.9353	25.50	46.00	-20.50	0.27	10.23	0.20	0.43
6 4.937345	25.73	46.00	-20.27	0.27	10.23	0.20	0.43
7 4.93939	25.84	46.00	-20.16	0.27	10.23	0.20	0.43
8 4.941435	25.76	46.00	-20.24	0.27	10.23	0.20	0.43
9 4.94348	25.60	46.00	-20.40	0.27	10.23	0.20	0.43

PMM NARDA REPORT: Beam 120V 60Hz Charging L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

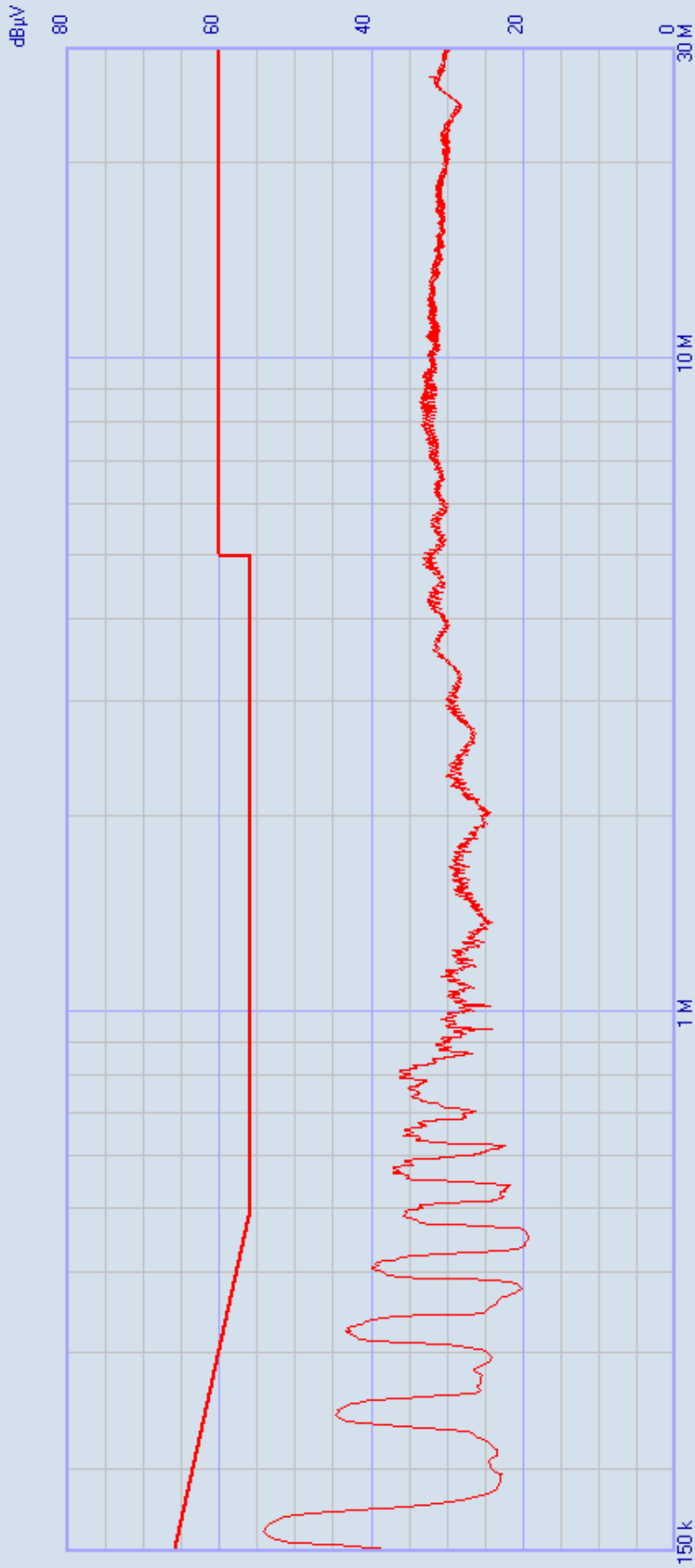
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C	1500 ms	9 kHz	10	OFF	ON	...
			Class B V QP							
			Class B V AV							

Ancillary = General

Limits: **Class B V QP**

Factors: **QPeak**

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

Beam 120V 60Hz Charging L2 31/03/2017 10:12:21
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 18 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1	0.15409	50.57	-15.21	1.59	9.98	2.14	0.15
2	0.156135	53.10	-12.57	1.57	9.98	2.12	0.14
3	0.15818	53.81	-11.75	1.54	9.99	2.10	0.13
4	0.160225	54.25	-11.20	1.51	9.99	2.07	0.12
5	0.16227	53.89	-11.46	1.49	10.00	2.05	0.11
6	0.164315	53.64	-11.60	1.46	10.00	2.03	0.10
7	0.16636	52.42	-12.72	1.43	10.01	2.01	0.09
8	0.168405	51.35	-13.69	1.41	10.01	1.99	0.09
9	0.17045	48.17	-16.77	1.39	10.01	1.97	0.08
10	0.23998	44.39	-17.71	0.89	10.07	1.54	0.10
11	0.242025	44.77	-17.26	0.89	10.08	1.53	0.09
12	0.24407	44.27	-17.69	0.88	10.10	1.51	0.09
13	0.246115	44.38	-17.51	0.87	10.11	1.50	0.09
14	0.31769	42.06	-17.71	0.66	10.14	1.24	0.06
15	0.319735	42.42	-17.29	0.65	10.14	1.23	0.06
16	0.32178	43.17	-16.49	0.65	10.14	1.22	0.06
17	0.323825	43.44	-16.17	0.64	10.14	1.21	0.06
18	0.32587	42.76	-16.80	0.64	10.14	1.21	0.06
19	0.327915	43.17	-16.33	0.64	10.14	1.20	0.06
20	0.32996	42.49	-16.96	0.63	10.14	1.19	0.07
21	0.332005	41.46	-17.94	0.63	10.14	1.19	0.07
22	0.40358	39.83	-17.95	0.53	10.14	1.00	0.10
23	0.405625	39.82	-17.92	0.53	10.14	0.99	0.10

PMM NARDA REPORT: Beam 120V 60Hz Charging L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

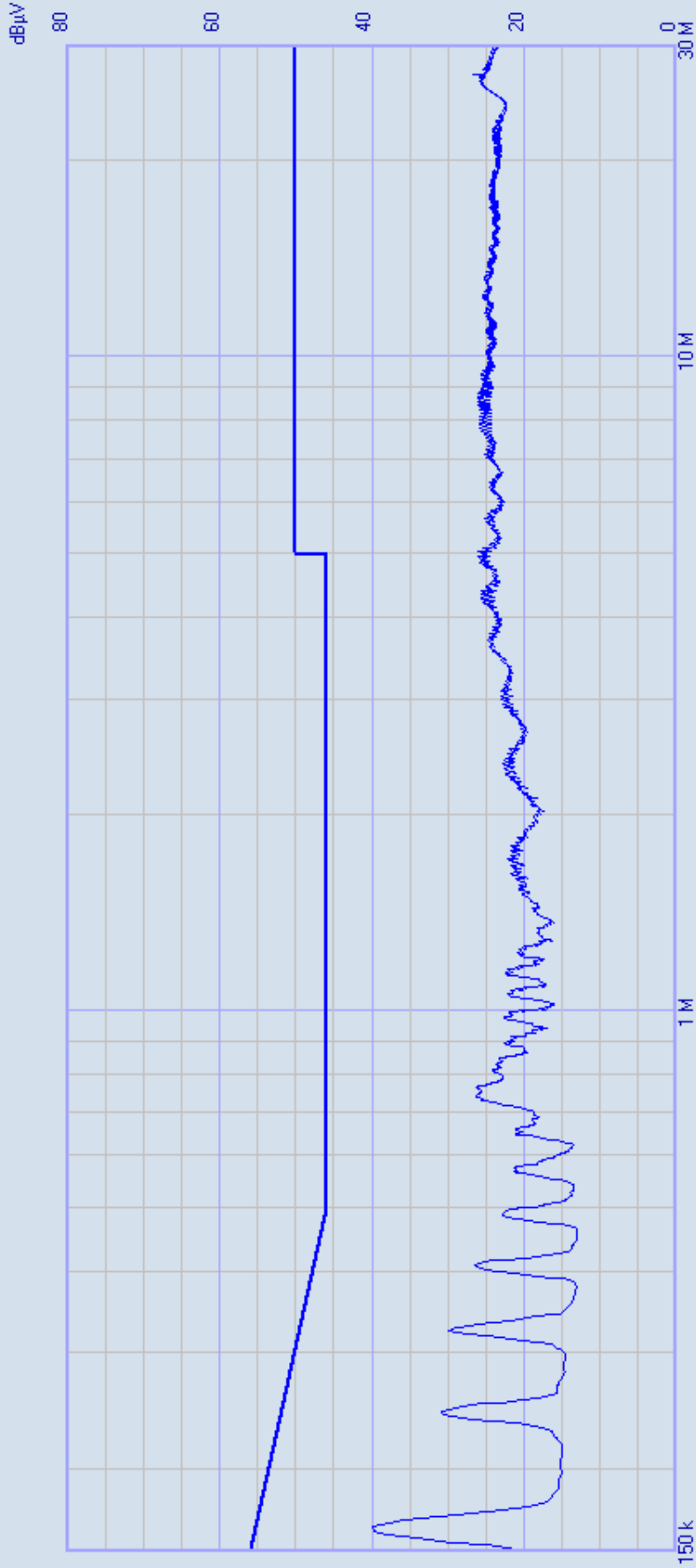
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Charging L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits: Class B V AV

Factors: LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg

Beam 120V 60Hz Charging L2 31/03/2017 10:12:21
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 20 dB

Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.15818	37.93	55.56	-17.63	1.54	9.99	2.10	0.13
2 0.160225	39.72	55.45	-15.73	1.51	9.99	2.07	0.12
3 0.16227	39.99	55.35	-15.36	1.49	10.00	2.05	0.11
4 0.164315	38.86	55.24	-16.38	1.46	10.00	2.03	0.10
5 0.16636	35.73	55.14	-19.41	1.43	10.01	2.01	0.09
6 0.323825	29.77	49.61	-19.84	0.64	10.14	1.21	0.06
7 0.32587	29.96	49.56	-19.60	0.64	10.14	1.21	0.06
8 0.741005	26.14	46.00	-19.86	0.36	10.20	0.59	0.16
9 0.74305	26.14	46.00	-19.86	0.36	10.20	0.58	0.16
10 0.745095	26.03	46.00	-19.97	0.36	10.20	0.58	0.16
11 0.75941	26.04	46.00	-19.96	0.36	10.20	0.57	0.16
12 0.761455	26.15	46.00	-19.85	0.36	10.20	0.57	0.16
13 4.908715	26.05	46.00	-19.95	0.27	10.23	0.20	0.43
14 4.91076	26.00	46.00	-20.00	0.27	10.23	0.20	0.43
15 4.91894	26.01	46.00	-19.99	0.27	10.23	0.20	0.43
16 4.920985	26.02	46.00	-19.98	0.27	10.23	0.20	0.43

PMM NARDA REPORT: Beam 240V 60Hz Charging L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

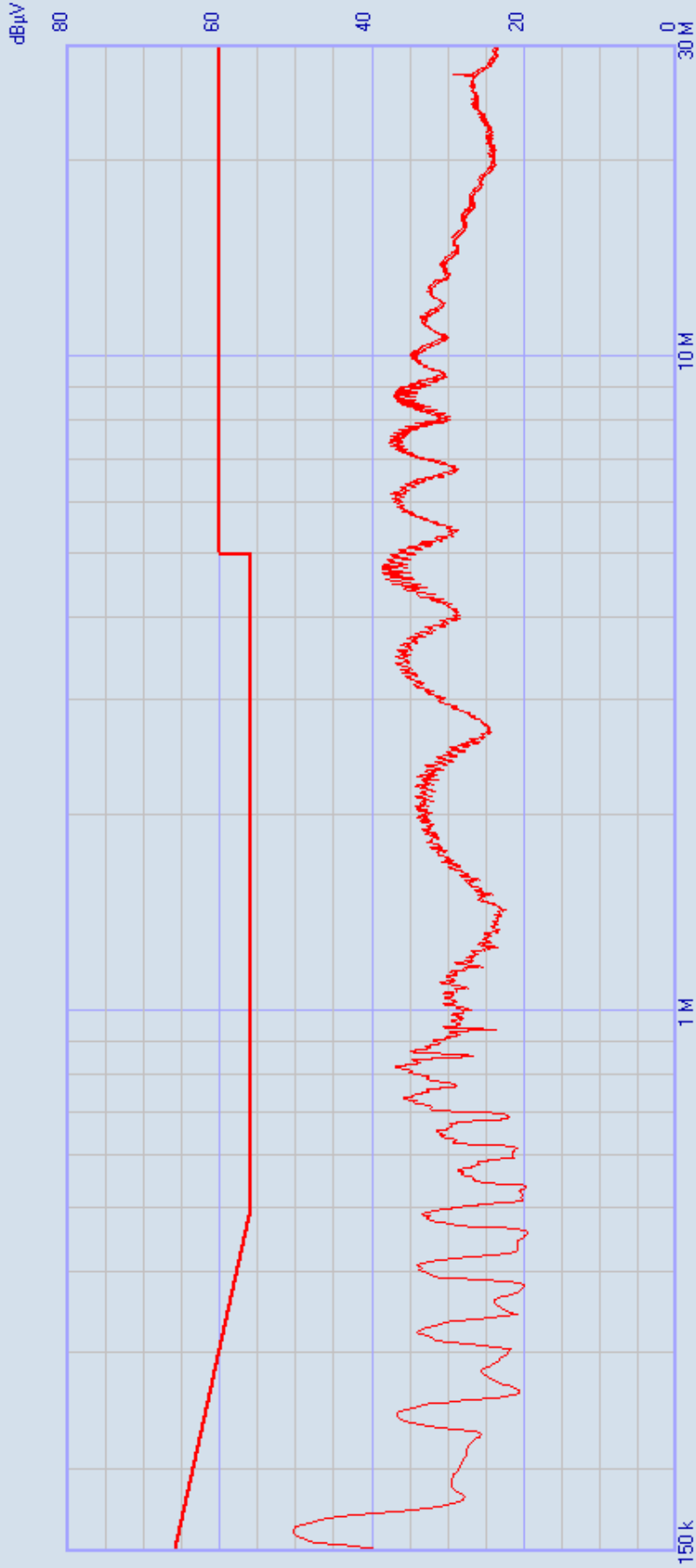
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak

Beam 240V 60Hz Charging L1 31/03/2017 10:26:19
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 17.5 dB

Frequency [MHz]	QPeak [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.156135	49.23	65.67	-16.44	1.57	9.98	2.12	0.14
2 0.15818	50.10	65.56	-15.46	1.54	9.99	2.10	0.13
3 0.160225	50.24	65.45	-15.21	1.51	9.99	2.07	0.12
4 0.16227	50.05	65.35	-15.30	1.49	10.00	2.05	0.11
5 0.164315	48.95	65.24	-16.29	1.46	10.00	2.03	0.10
6 4.63673	38.55	56.00	-17.45	0.28	10.23	0.21	0.41
7 4.70626	38.61	56.00	-17.39	0.27	10.23	0.21	0.42
8 4.708305	38.62	56.00	-17.38	0.27	10.23	0.21	0.42
9 4.716485	38.52	56.00	-17.48	0.27	10.23	0.21	0.42
10 4.71853	38.60	56.00	-17.40	0.27	10.23	0.21	0.42
11 4.720575	38.64	56.00	-17.36	0.27	10.23	0.21	0.42
12 4.786015	38.52	56.00	-17.48	0.27	10.23	0.21	0.42

PMM NARDA REPORT: Beam 240V 60Hz Charging L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

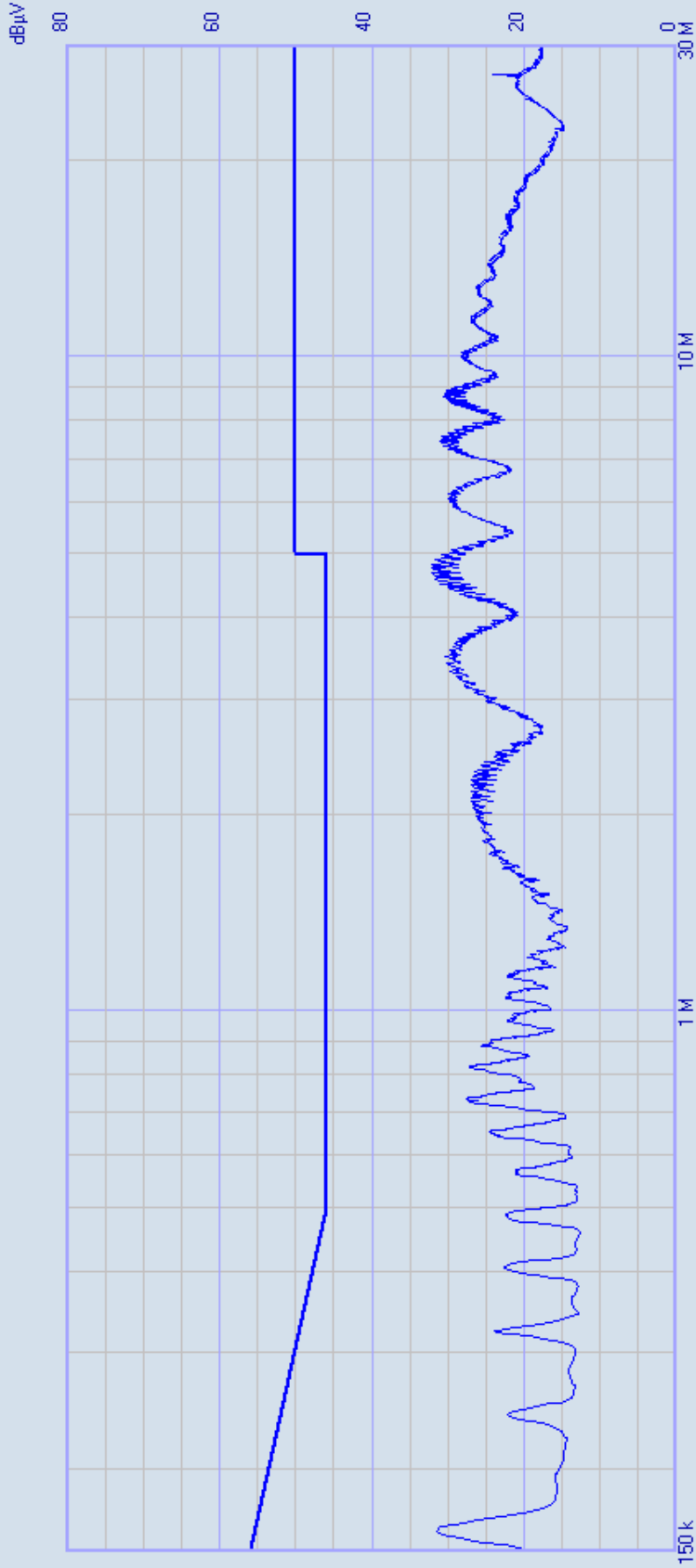
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Charging L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits: Class B V AV

Factors: LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg

Beam 240V 60Hz Charging L1 31/03/2017 10:26:19
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 14 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 4.63264	32.06	46.00	-13.94	0.28	10.23	0.21	0.41
2 4.634685	32.04	46.00	-13.96	0.28	10.23	0.21	0.41
3 4.63673	32.04	46.00	-13.96	0.28	10.23	0.21	0.41
4 4.638775	32.06	46.00	-13.94	0.28	10.23	0.21	0.41
5 4.64082	32.04	46.00	-13.96	0.28	10.23	0.21	0.41
6 4.642865	32.05	46.00	-13.95	0.28	10.23	0.21	0.41
7 4.704215	32.03	46.00	-13.97	0.27	10.23	0.21	0.42
8 4.70626	32.13	46.00	-13.87	0.27	10.23	0.21	0.42
9 4.708305	32.16	46.00	-13.84	0.27	10.23	0.21	0.42
10 4.71035	32.19	46.00	-13.81	0.27	10.23	0.21	0.42
11 4.712395	32.16	46.00	-13.84	0.27	10.23	0.21	0.42
12 4.71444	32.16	46.00	-13.84	0.27	10.23	0.21	0.42
13 4.716485	32.16	46.00	-13.84	0.27	10.23	0.21	0.42
14 4.71853	32.15	46.00	-13.85	0.27	10.23	0.21	0.42
15 4.720575	32.17	46.00	-13.83	0.27	10.23	0.21	0.42
16 4.72262	32.09	46.00	-13.91	0.27	10.23	0.21	0.42
17 4.78806	32.02	46.00	-13.98	0.27	10.23	0.21	0.42
18 4.790105	32.08	46.00	-13.92	0.27	10.23	0.21	0.42
19 4.79215	32.10	46.00	-13.90	0.27	10.23	0.21	0.42
20 4.794195	32.02	46.00	-13.98	0.27	10.23	0.21	0.42

PMM NARDA REPORT: Beam 240V 60Hz Charging L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

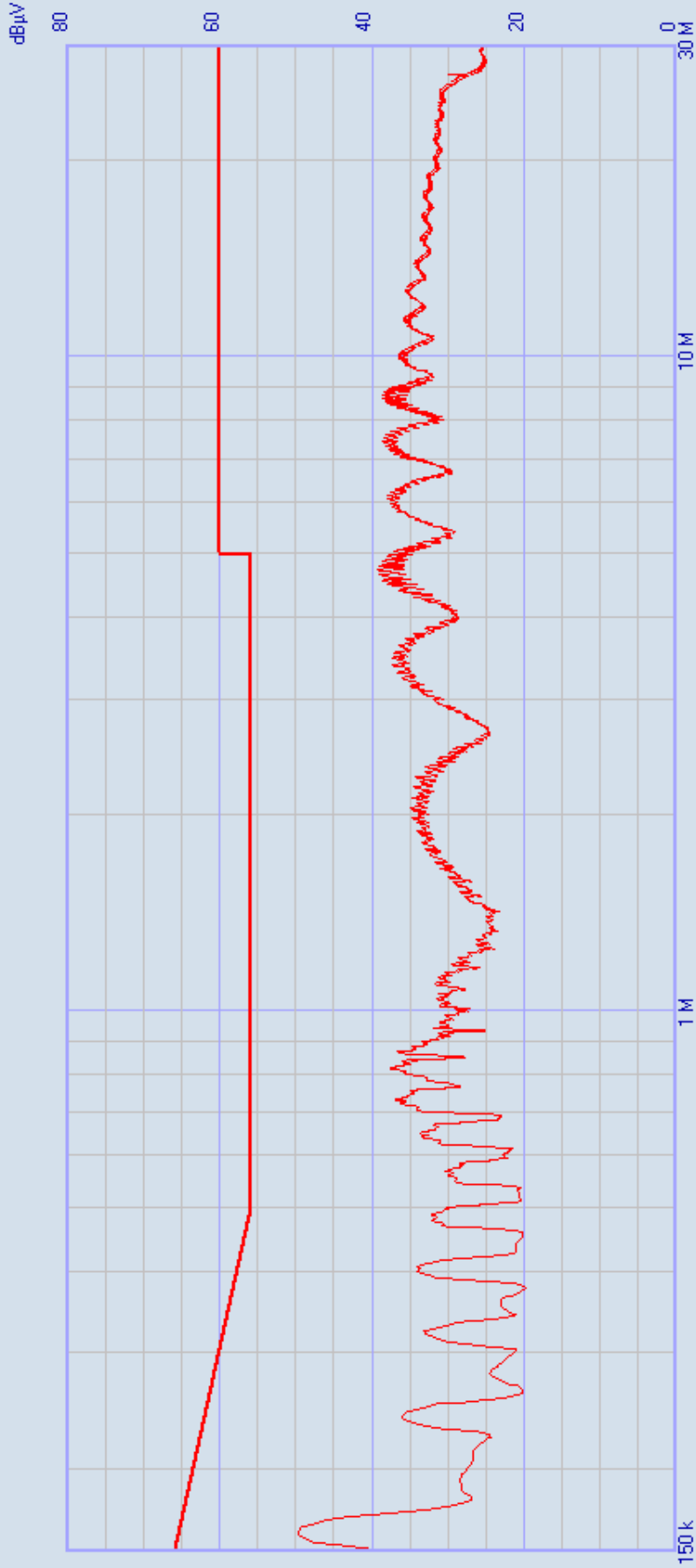
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Charging L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
QPeak

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam 240V 60Hz Charging L2 31/03/2017 10:36:05
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 17 dB

	Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1	0.156135	49.12	65.67	-16.55	1.57	9.98	2.12	0.14
2	0.15818	49.75	65.56	-15.81	1.54	9.99	2.10	0.13
3	0.160225	49.67	65.45	-15.78	1.51	9.99	2.07	0.12
4	0.16227	49.32	65.35	-16.03	1.49	10.00	2.05	0.11
5	4.62037	39.02	56.00	-16.98	0.28	10.23	0.21	0.41
6	4.6899	39.16	56.00	-16.84	0.27	10.23	0.21	0.42
7	4.691945	39.11	56.00	-16.89	0.27	10.23	0.21	0.42
8	4.704215	39.10	56.00	-16.90	0.27	10.23	0.21	0.42
9	4.70626	39.04	56.00	-16.96	0.27	10.23	0.21	0.42
10	4.769655	39.03	56.00	-16.97	0.27	10.23	0.21	0.42

PMM NARDA REPORT: Beam 240V 60Hz Charging L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

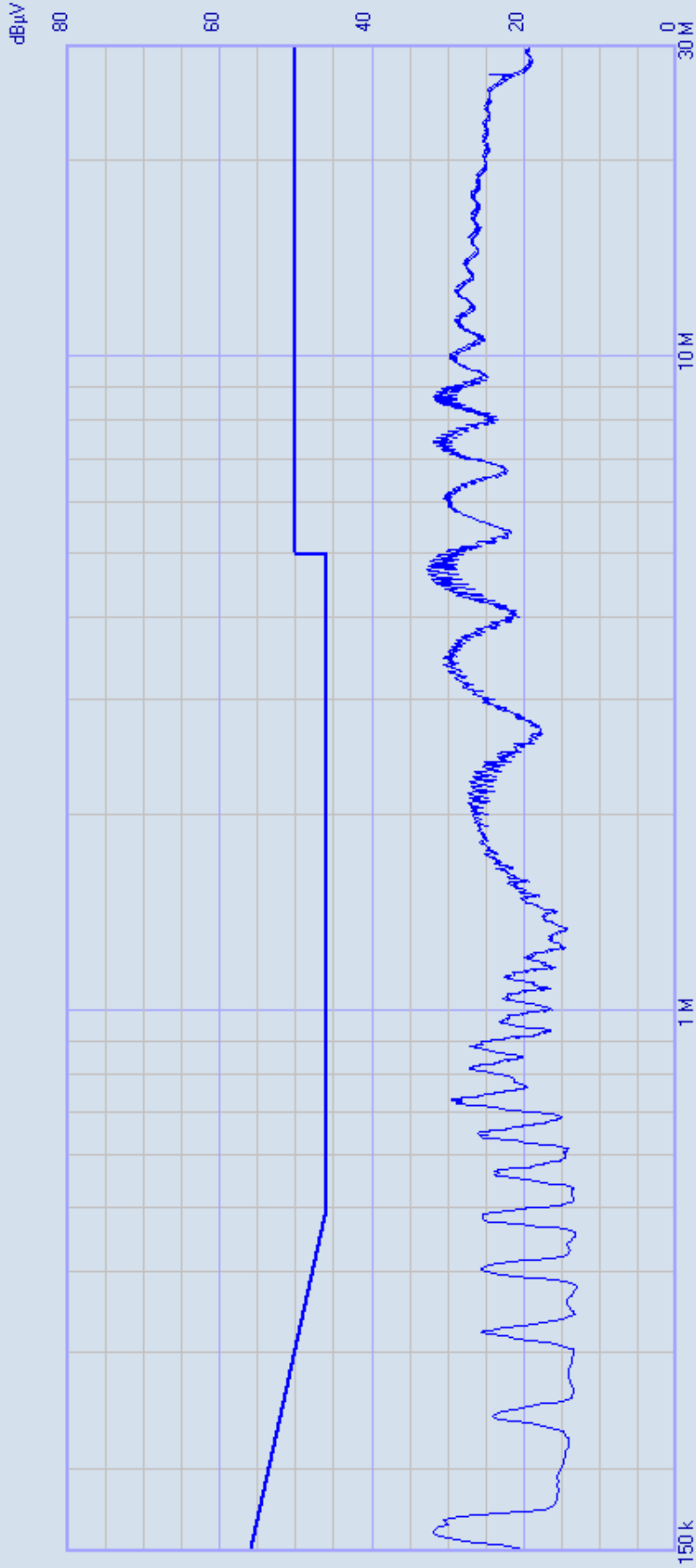
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Charging Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1 0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits: Class B V AV

Factors: LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg



Beam 240V 60Hz Charging L2 31/03/2017 10:36:05
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 13.5 dB

Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 4.61628	32.52	46.00	-13.48	0.28	10.23	0.21	0.41
2 4.618325	32.61	46.00	-13.39	0.28	10.23	0.21	0.41
3 4.62037	32.57	46.00	-13.43	0.28	10.23	0.21	0.41
4 4.687855	32.51	46.00	-13.49	0.27	10.23	0.21	0.42
5 4.6899	32.61	46.00	-13.39	0.27	10.23	0.21	0.42
6 4.691945	32.64	46.00	-13.36	0.27	10.23	0.21	0.42
7 4.69399	32.65	46.00	-13.35	0.27	10.23	0.21	0.42
8 4.696035	32.64	46.00	-13.36	0.27	10.23	0.21	0.42
9 4.69808	32.67	46.00	-13.33	0.27	10.23	0.21	0.42
10 4.700125	32.64	46.00	-13.36	0.27	10.23	0.21	0.42
11 4.70217	32.60	46.00	-13.40	0.27	10.23	0.21	0.42
12 4.704215	32.61	46.00	-13.39	0.27	10.23	0.21	0.42
13 4.70626	32.54	46.00	-13.46	0.27	10.23	0.21	0.42
14 4.7717	32.54	46.00	-13.46	0.27	10.23	0.21	0.42
15 4.773745	32.62	46.00	-13.38	0.27	10.23	0.21	0.42
16 4.77579	32.59	46.00	-13.41	0.27	10.23	0.21	0.42
17 4.777835	32.55	46.00	-13.45	0.27	10.23	0.21	0.42

PMM NARDA REPORT: Beam 120V 60Hz Battery Charged L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

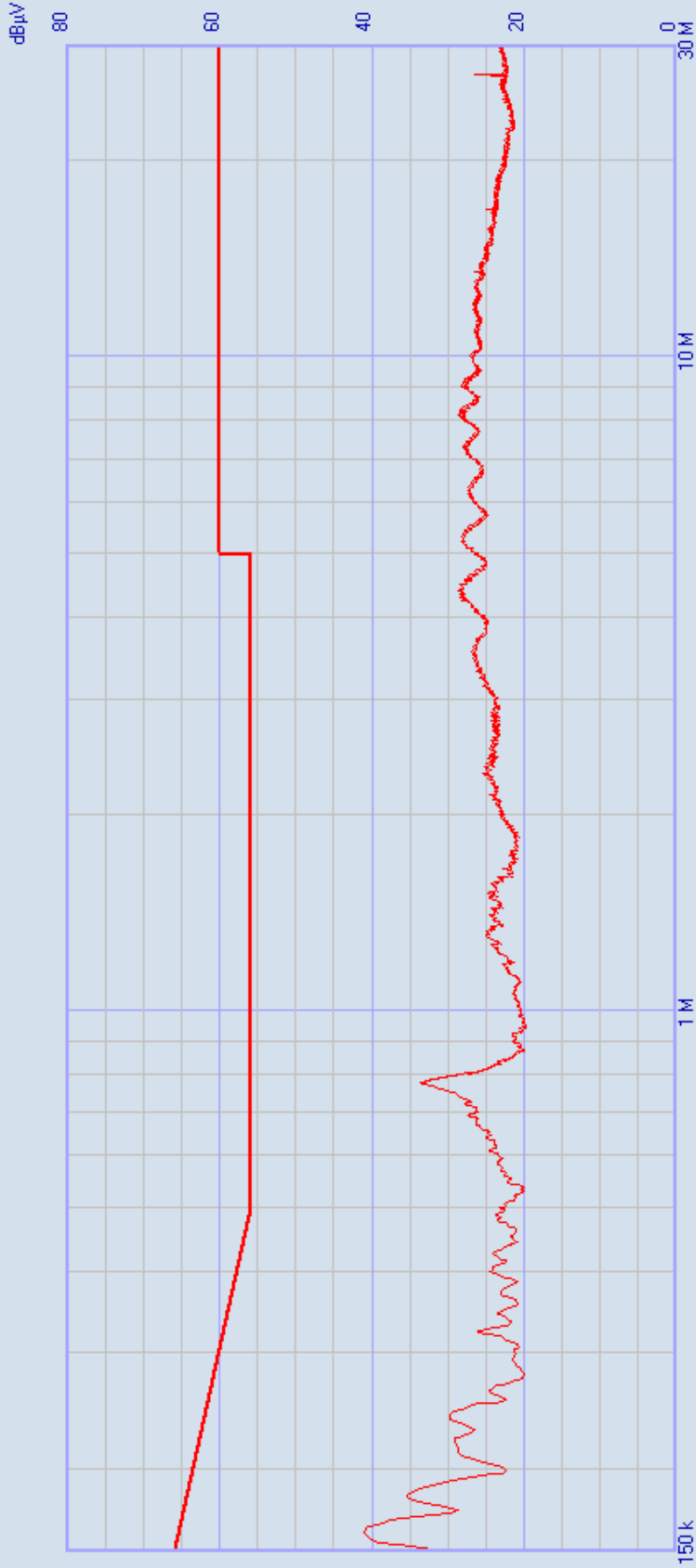
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Battery Fully Charged; Cable connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Battery Charged L1

Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak



Beam 120V 60Hz Battery Charged L1 31/03/2017 11:09:33
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 24 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.76759	32.24	56.00	-23.76	0.36	10.20	0.56	0.16
2 0.769635	32.82	56.00	-23.18	0.36	10.20	0.56	0.16
3 0.77168	33.41	56.00	-22.59	0.36	10.20	0.56	0.16
4 0.773725	33.60	56.00	-22.40	0.36	10.20	0.56	0.16
5 0.77577	33.40	56.00	-22.60	0.36	10.20	0.56	0.16
6 0.777815	33.07	56.00	-22.93	0.36	10.20	0.55	0.16
7 0.77986	32.95	56.00	-23.05	0.36	10.20	0.55	0.16
8 0.781905	32.78	56.00	-23.22	0.36	10.20	0.55	0.16
9 0.78395	32.39	56.00	-23.61	0.36	10.20	0.55	0.16

PMM NARDA REPORT: Beam 120V 60Hz Battery Charged L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70 °F
Humidity : 32%
Test Specs : Line 1: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

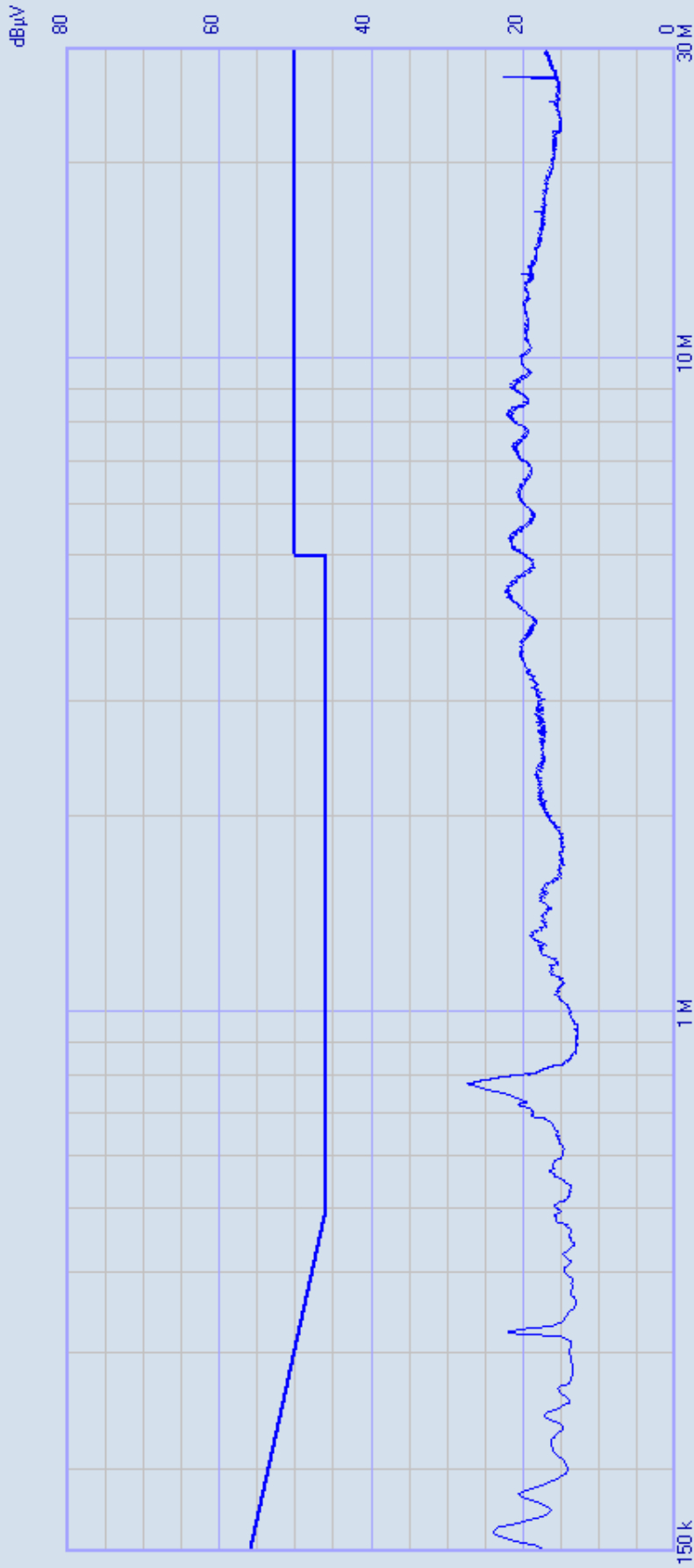
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Battery Fully Charged; Cable connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Battery Charged L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors: C-Avg

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam 120V 60Hz Battery Charged L1 31/03/2017 11:09:33
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 20 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.76759	26.09	46.00	-19.91	0.36	10.20	0.56	0.16
2 0.769635	26.66	46.00	-19.34	0.36	10.20	0.56	0.16
3 0.77168	27.14	46.00	-18.86	0.36	10.20	0.56	0.16
4 0.773725	27.32	46.00	-18.68	0.36	10.20	0.56	0.16
5 0.77577	27.23	46.00	-18.77	0.36	10.20	0.56	0.16
6 0.777815	26.84	46.00	-19.16	0.36	10.20	0.55	0.16
7 0.77986	26.37	46.00	-19.63	0.36	10.20	0.55	0.16
8 0.781905	26.02	46.00	-19.98	0.36	10.20	0.55	0.16

PMM NARDA REPORT: Beam 120V 60Hz Battery Charged L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

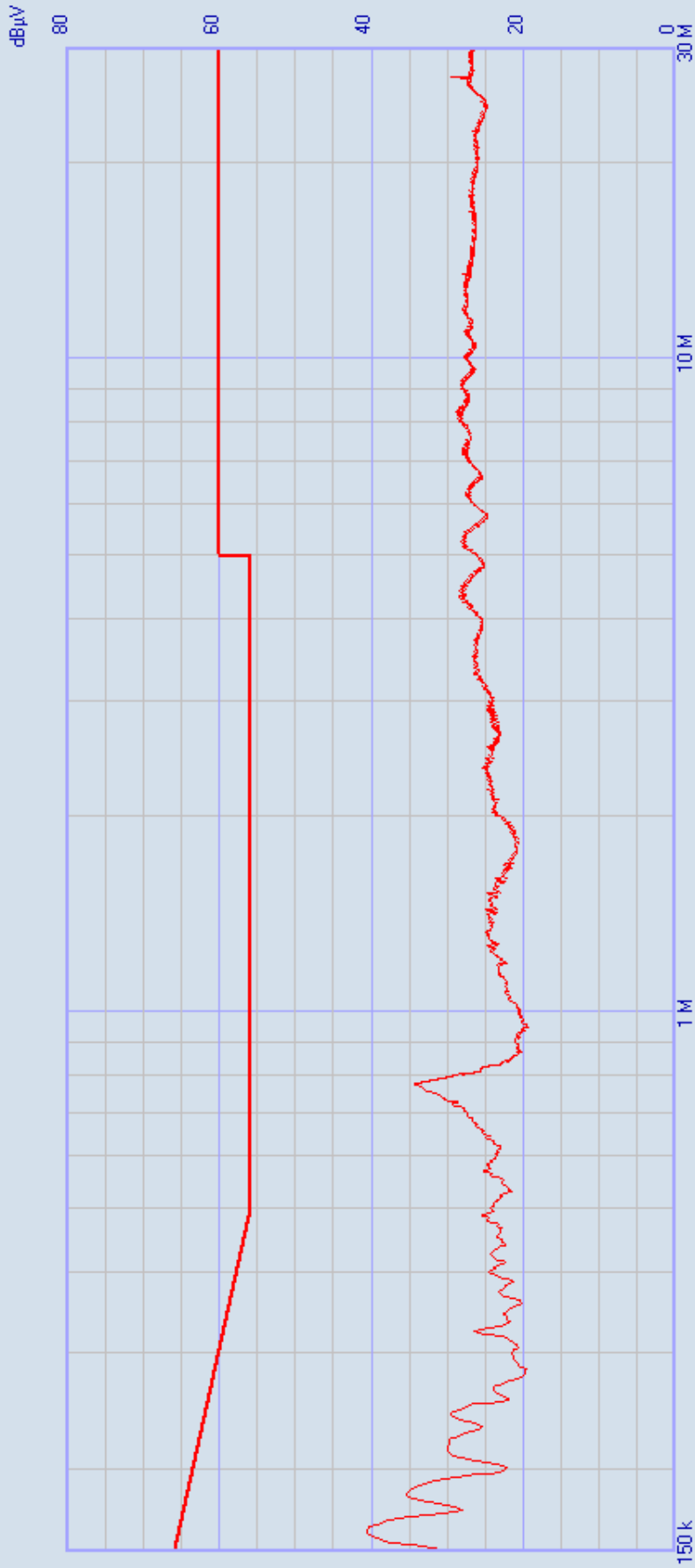
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Battery Fully Charged; Cable Connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Battery Charged L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak



Beam 120V 60Hz Battery Charged L2 31/03/2017 11:15:54
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 24 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.753275	32.41	56.00	-23.59	0.36	10.20	0.57	0.16
2 0.75532	32.85	56.00	-23.15	0.36	10.20	0.57	0.16
3 0.757365	32.94	56.00	-23.06	0.36	10.20	0.57	0.16
4 0.75941	32.97	56.00	-23.03	0.36	10.20	0.57	0.16
5 0.761455	33.14	56.00	-22.86	0.36	10.20	0.57	0.16
6 0.7635	33.22	56.00	-22.78	0.36	10.20	0.57	0.16
7 0.765545	33.31	56.00	-22.69	0.36	10.20	0.56	0.16
8 0.76759	33.63	56.00	-22.37	0.36	10.20	0.56	0.16
9 0.769635	33.83	56.00	-22.17	0.36	10.20	0.56	0.16
10 0.77168	34.19	56.00	-21.81	0.36	10.20	0.56	0.16
11 0.773725	34.35	56.00	-21.65	0.36	10.20	0.56	0.16
12 0.77577	34.22	56.00	-21.78	0.36	10.20	0.56	0.16
13 0.777815	33.75	56.00	-22.25	0.36	10.20	0.55	0.16
14 0.77986	33.38	56.00	-22.62	0.36	10.20	0.55	0.16
15 0.781905	32.97	56.00	-23.03	0.36	10.20	0.55	0.16
16 0.78395	32.39	56.00	-23.61	0.36	10.20	0.55	0.16

PMM NARDA REPORT: Beam 120V 60Hz Battery Charged L2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

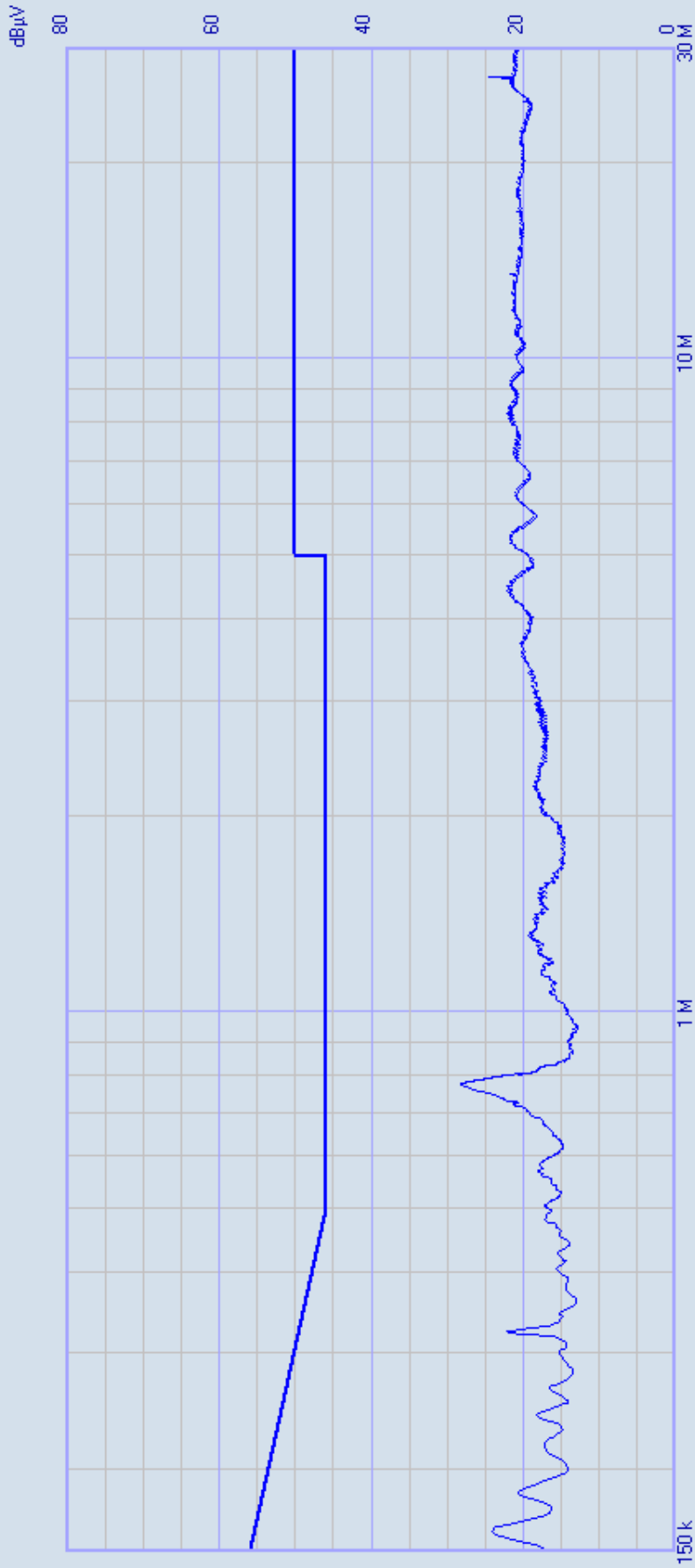
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 120V 60Hz; Battery Fully Charged; Cable Connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 120V 60Hz Battery Charged L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg

Beam 120V 60Hz Battery Charged L2 31/03/2017 11:15:54
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 20 dB

Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.757365	26.28	46.00	-19.72	0.36	10.20	0.57	0.16
2 0.75941	26.61	46.00	-19.39	0.36	10.20	0.57	0.16
3 0.761455	26.78	46.00	-19.22	0.36	10.20	0.57	0.16
4 0.7635	27.00	46.00	-19.00	0.36	10.20	0.57	0.16
5 0.765545	27.22	46.00	-18.78	0.36	10.20	0.56	0.16
6 0.76759	27.52	46.00	-18.48	0.36	10.20	0.56	0.16
7 0.769635	27.88	46.00	-18.12	0.36	10.20	0.56	0.16
8 0.77168	28.12	46.00	-17.88	0.36	10.20	0.56	0.16
9 0.773725	28.24	46.00	-17.76	0.36	10.20	0.56	0.16
10 0.77577	28.21	46.00	-17.79	0.36	10.20	0.56	0.16
11 0.777815	27.89	46.00	-18.11	0.36	10.20	0.55	0.16
12 0.77986	27.44	46.00	-18.56	0.36	10.20	0.55	0.16
13 0.781905	26.96	46.00	-19.04	0.36	10.20	0.55	0.16
14 0.78395	26.40	46.00	-19.60	0.36	10.20	0.55	0.16



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

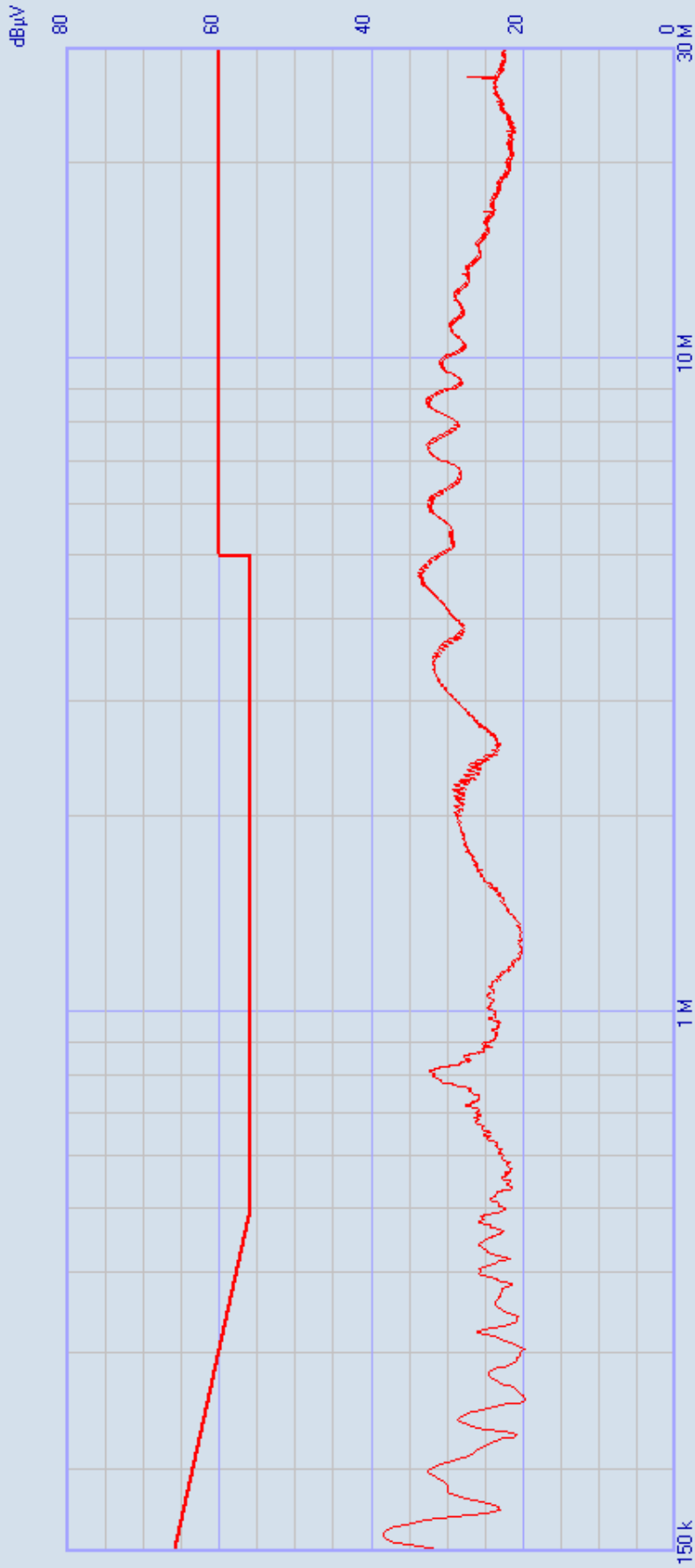
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240 V 60 Hz; Battery Fully Charged; Cable connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Battery Charged L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
QPeak

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam 240V 60Hz Battery Charged L1 31/03/2017 10:48:59
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 22.5 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 4.58765	33.53	56.00	-22.47	0.28	10.23	0.21	0.41
2 4.589695	33.60	56.00	-22.40	0.28	10.23	0.21	0.41
3 4.59174	33.58	56.00	-22.42	0.28	10.23	0.21	0.41
4 4.62446	33.56	56.00	-22.44	0.28	10.23	0.21	0.41
5 4.626505	33.52	56.00	-22.48	0.28	10.23	0.21	0.41
6 4.62855	33.66	56.00	-22.34	0.28	10.23	0.21	0.41
7 4.630595	33.72	56.00	-22.28	0.28	10.23	0.21	0.41
8 4.63264	33.72	56.00	-22.28	0.28	10.23	0.21	0.41
9 4.634685	33.53	56.00	-22.47	0.28	10.23	0.21	0.41
10 4.663315	33.58	56.00	-22.42	0.28	10.23	0.21	0.42
11 4.66536	33.59	56.00	-22.41	0.27	10.23	0.21	0.42
12 4.667405	33.66	56.00	-22.34	0.27	10.23	0.21	0.42
13 4.66945	33.67	56.00	-22.33	0.27	10.23	0.21	0.42
14 4.671495	33.74	56.00	-22.26	0.27	10.23	0.21	0.42
15 4.67354	33.65	56.00	-22.35	0.27	10.23	0.21	0.42
16 4.708305	33.62	56.00	-22.38	0.27	10.23	0.21	0.42
17 4.71035	33.59	56.00	-22.41	0.27	10.23	0.21	0.42
18 4.712395	33.60	56.00	-22.40	0.27	10.23	0.21	0.42
19 4.71444	33.58	56.00	-22.42	0.27	10.23	0.21	0.42

PMM NARDA REPORT: Beam 240V 60Hz Battery Charged L1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

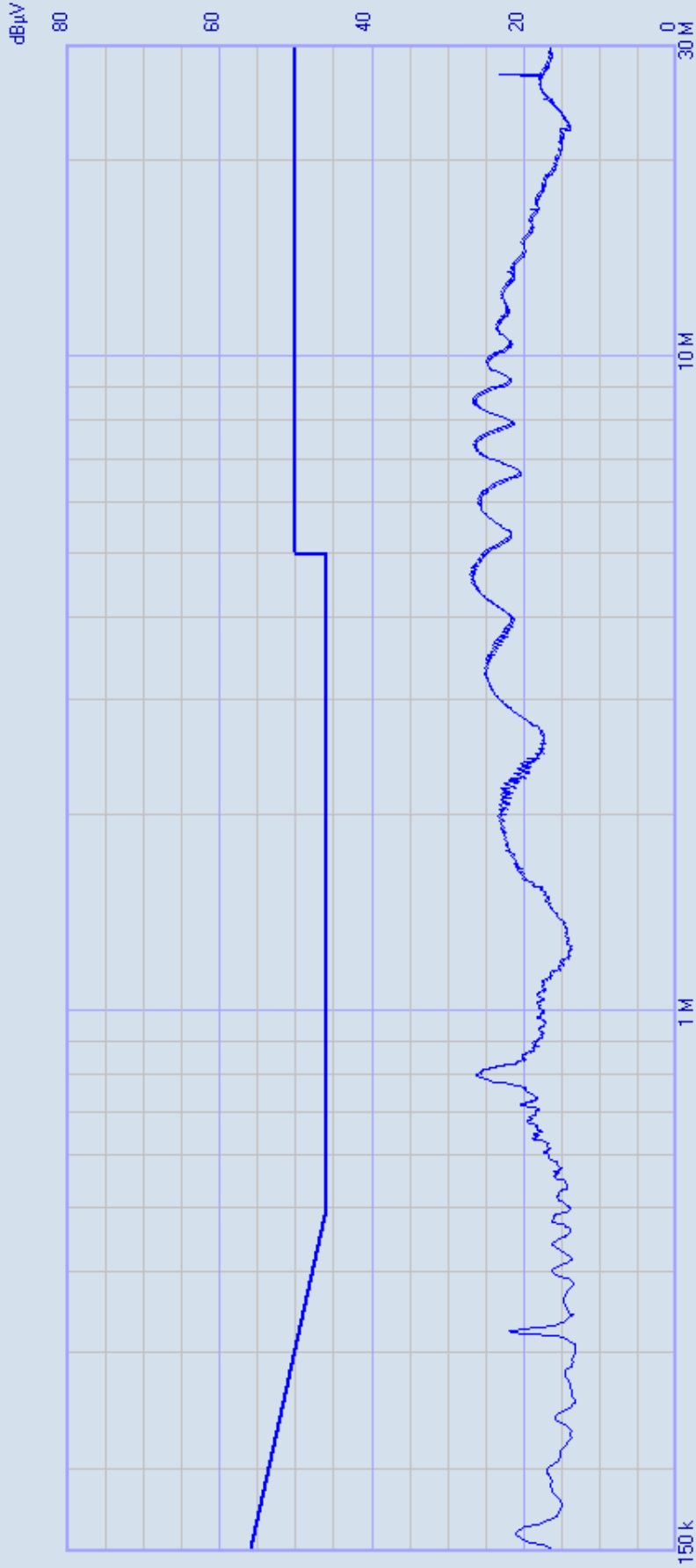
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240 V 60 Hz; Battery Fully Charged; Cable Connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Battery Charged L1

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors: C-Avg

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam 240V 60Hz Battery Charged L1 31/03/2017 10:48:59
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 19.25 dB

Frequency [MHz]	C-Avg [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 4.471085	26.76	46.00	-19.24	0.27	10.23	0.22	0.41
2 4.507895	26.85	46.00	-19.15	0.28	10.23	0.22	0.41
3 4.50994	26.87	46.00	-19.13	0.28	10.23	0.22	0.41
4 4.511985	26.85	46.00	-19.15	0.28	10.23	0.22	0.41
5 4.54675	26.76	46.00	-19.24	0.28	10.23	0.21	0.41
6 4.548795	26.86	46.00	-19.14	0.28	10.23	0.21	0.41
7 4.55084	26.94	46.00	-19.06	0.28	10.23	0.21	0.41
8 4.552885	26.93	46.00	-19.07	0.28	10.23	0.21	0.41
9 4.55493	26.85	46.00	-19.15	0.28	10.23	0.21	0.41
10 4.556975	26.76	46.00	-19.24	0.28	10.23	0.21	0.41
11 4.585605	26.81	46.00	-19.19	0.28	10.23	0.21	0.41
12 4.58765	26.87	46.00	-19.13	0.28	10.23	0.21	0.41
13 4.589695	26.95	46.00	-19.05	0.28	10.23	0.21	0.41
14 4.59174	26.92	46.00	-19.08	0.28	10.23	0.21	0.41
15 4.593785	26.88	46.00	-19.12	0.28	10.23	0.21	0.41
16 4.59583	26.81	46.00	-19.19	0.28	10.23	0.21	0.41
17 4.597875	26.75	46.00	-19.25	0.28	10.23	0.21	0.41
18 4.626505	26.77	46.00	-19.23	0.28	10.23	0.21	0.41
19 4.62855	26.94	46.00	-19.06	0.28	10.23	0.21	0.41
20 4.630595	27.02	46.00	-18.98	0.28	10.23	0.21	0.41
21 4.63264	27.02	46.00	-18.98	0.28	10.23	0.21	0.41
22 4.634685	26.94	46.00	-19.06	0.28	10.23	0.21	0.41
23 4.63673	26.81	46.00	-19.19	0.28	10.23	0.21	0.41
24 4.663315	26.78	46.00	-19.22	0.28	10.23	0.21	0.42
25 4.66536	26.75	46.00	-19.25	0.27	10.23	0.21	0.42
26 4.667405	26.82	46.00	-19.18	0.27	10.23	0.21	0.42
27 4.66945	26.90	46.00	-19.10	0.27	10.23	0.21	0.42
28 4.671495	26.92	46.00	-19.08	0.27	10.23	0.21	0.42
29 4.67354	26.88	46.00	-19.12	0.27	10.23	0.21	0.42
30 4.675585	26.76	46.00	-19.24	0.27	10.23	0.21	0.42
31 4.708305	26.75	46.00	-19.25	0.27	10.23	0.21	0.42
32 4.71035	26.87	46.00	-19.13	0.27	10.23	0.21	0.42
33 4.712395	26.88	46.00	-19.12	0.27	10.23	0.21	0.42
34 4.71444	26.80	46.00	-19.20	0.27	10.23	0.21	0.42



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

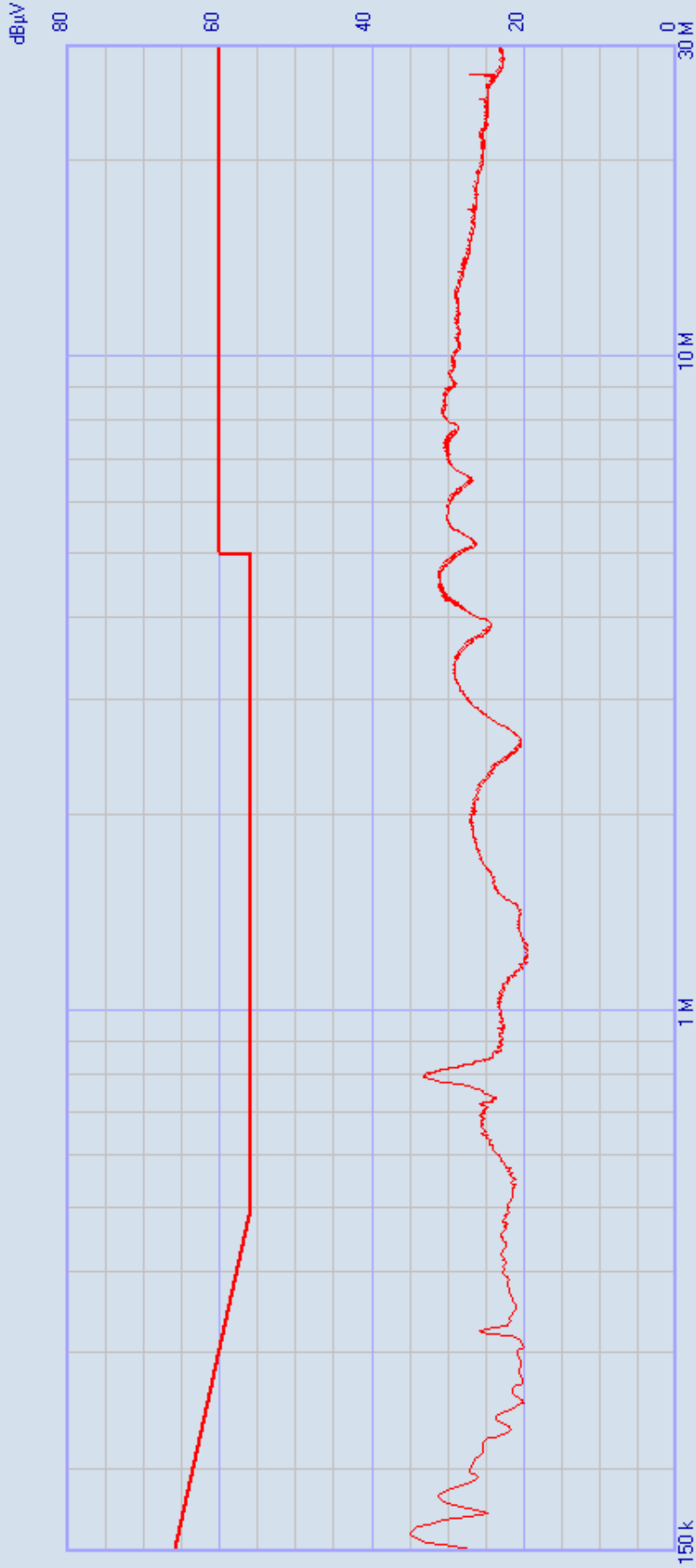
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Battery Fully Charged; Cable Connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Battery Charged L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak

Beam 240V 60Hz Battery Charged L2 31/03/2017 11:02:12
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 24 dB

Frequency [MHz]	QPeak [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.78804	32.40	56.00	-23.60	0.36	10.20	0.55	0.16
2 0.790085	32.73	56.00	-23.27	0.36	10.20	0.54	0.16
3 0.79213	33.18	56.00	-22.82	0.36	10.20	0.54	0.16
4 0.794175	33.23	56.00	-22.77	0.36	10.20	0.54	0.16
5 0.79622	33.06	56.00	-22.94	0.36	10.20	0.54	0.16
6 0.798265	32.92	56.00	-23.08	0.36	10.20	0.54	0.16
7 0.80031	32.78	56.00	-23.22	0.36	10.20	0.54	0.16
8 0.802355	32.35	56.00	-23.65	0.35	10.20	0.53	0.17



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

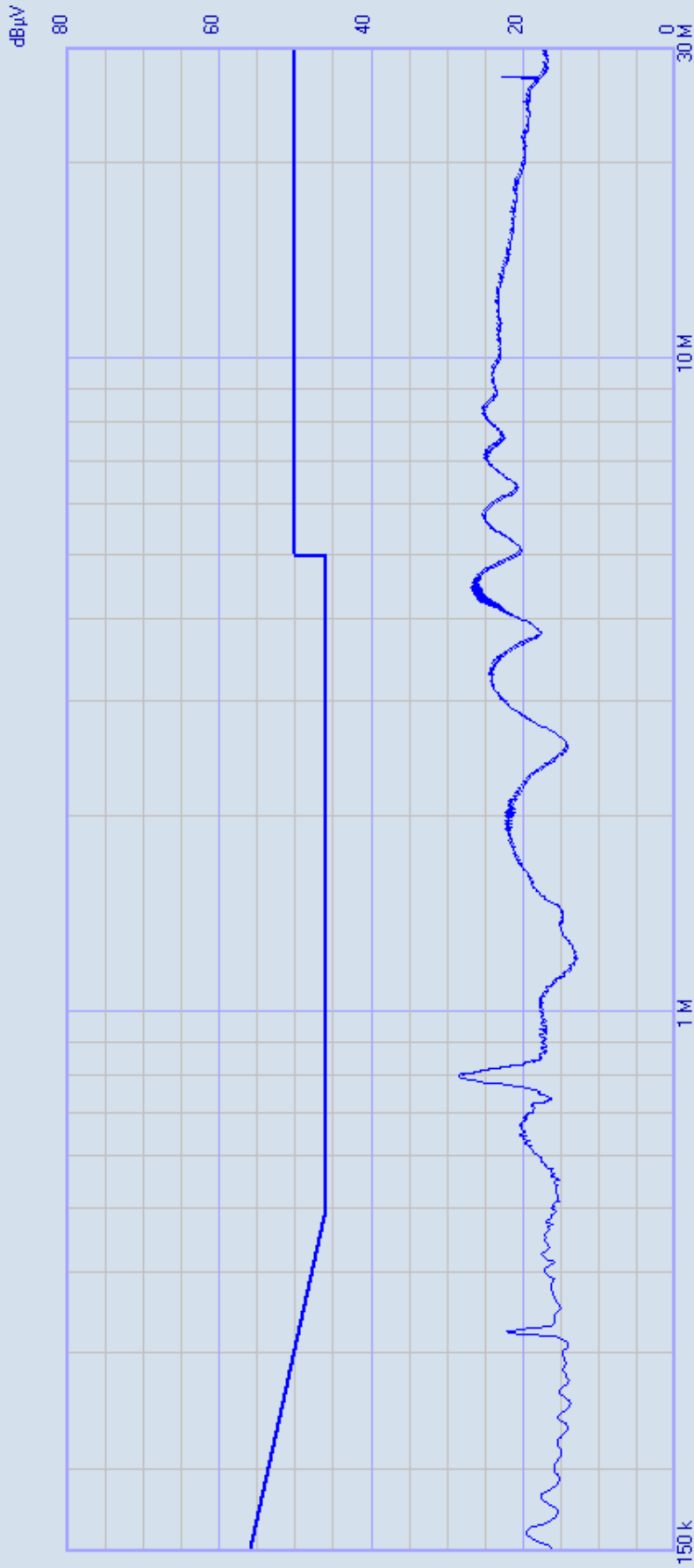
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 240V 60Hz; Battery Fully Charged; Cable connected

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam 240V 60Hz Battery Charged L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors: LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg



Beam 240V 60Hz Battery Charged L2 31/03/2017 11:02:12
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 19.25 dB

Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.78804	27.11	46.00	-18.89	0.36	10.20	0.55	0.16
2 0.790085	27.70	46.00	-18.30	0.36	10.20	0.54	0.16
3 0.79213	28.21	46.00	-17.79	0.36	10.20	0.54	0.16
4 0.794175	28.49	46.00	-17.51	0.36	10.20	0.54	0.16
5 0.79622	28.46	46.00	-17.54	0.36	10.20	0.54	0.16
6 0.798265	28.33	46.00	-17.67	0.36	10.20	0.54	0.16
7 0.80031	28.11	46.00	-17.89	0.36	10.20	0.54	0.16
8 0.802355	27.70	46.00	-18.30	0.35	10.20	0.53	0.17
9 0.8044	27.09	46.00	-18.91	0.35	10.20	0.53	0.17
10 4.434275	26.79	46.00	-19.21	0.27	10.23	0.22	0.41

PMM NARDA REPORT: Beam Battery I1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

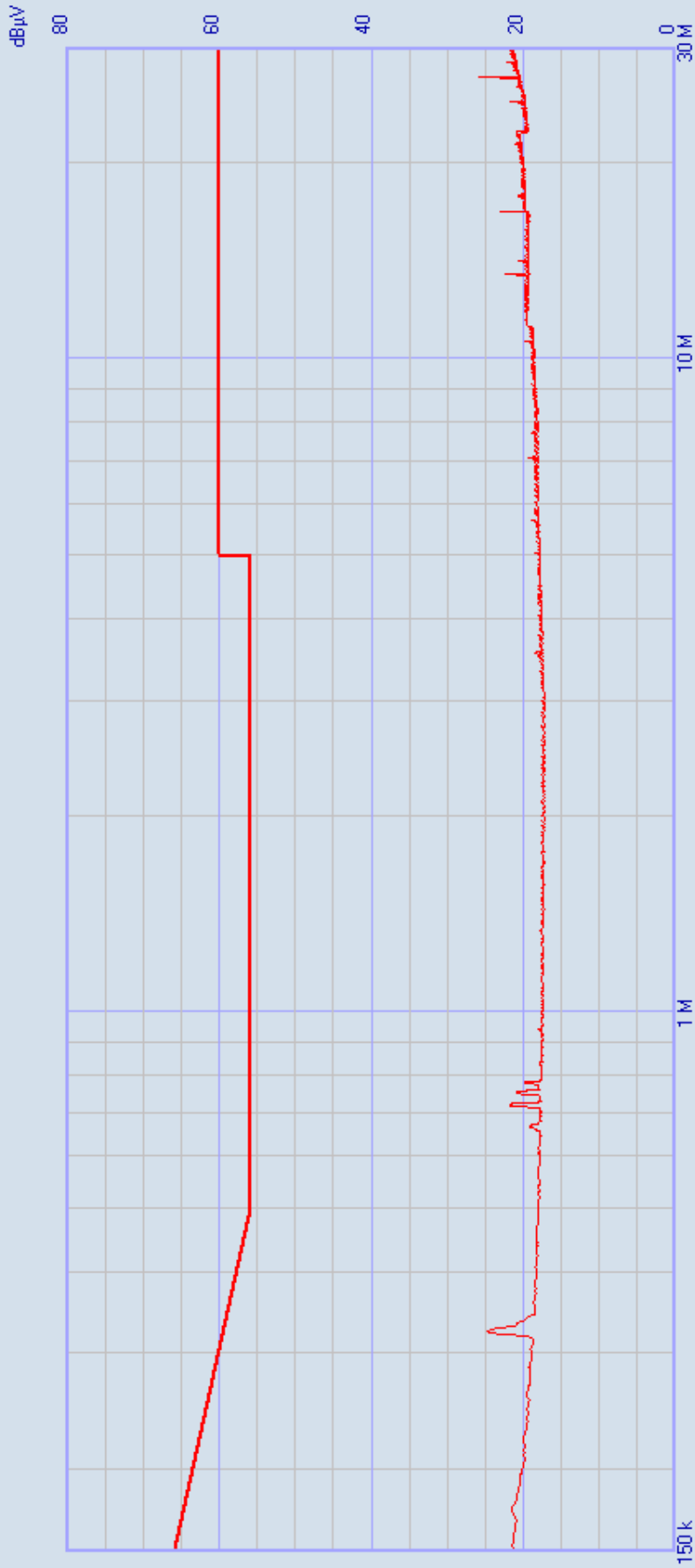
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam Button
Notes : 5VDC; Battery Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

QPeak

Beam Battery L1 31/03/2017 09:26:13
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 35 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.323825	24.62	59.61	-34.99	0.64	10.14	1.21	0.06
2 0.32587	24.80	59.56	-34.76	0.64	10.14	1.21	0.06
3 0.716465	21.68	56.00	-34.32	0.37	10.19	0.61	0.15
4 0.71851	21.76	56.00	-34.24	0.37	10.19	0.61	0.15
5 0.720555	21.38	56.00	-34.62	0.37	10.20	0.60	0.16
6 26.80044	25.79	60.00	-34.21	0.38	10.38	0.37	0.89
7 26.802485	25.88	60.00	-34.12	0.38	10.38	0.37	0.89
8 26.80453	25.59	60.00	-34.41	0.38	10.38	0.37	0.89

PMM NARDA REPORT: Beam Battery I1



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 1: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

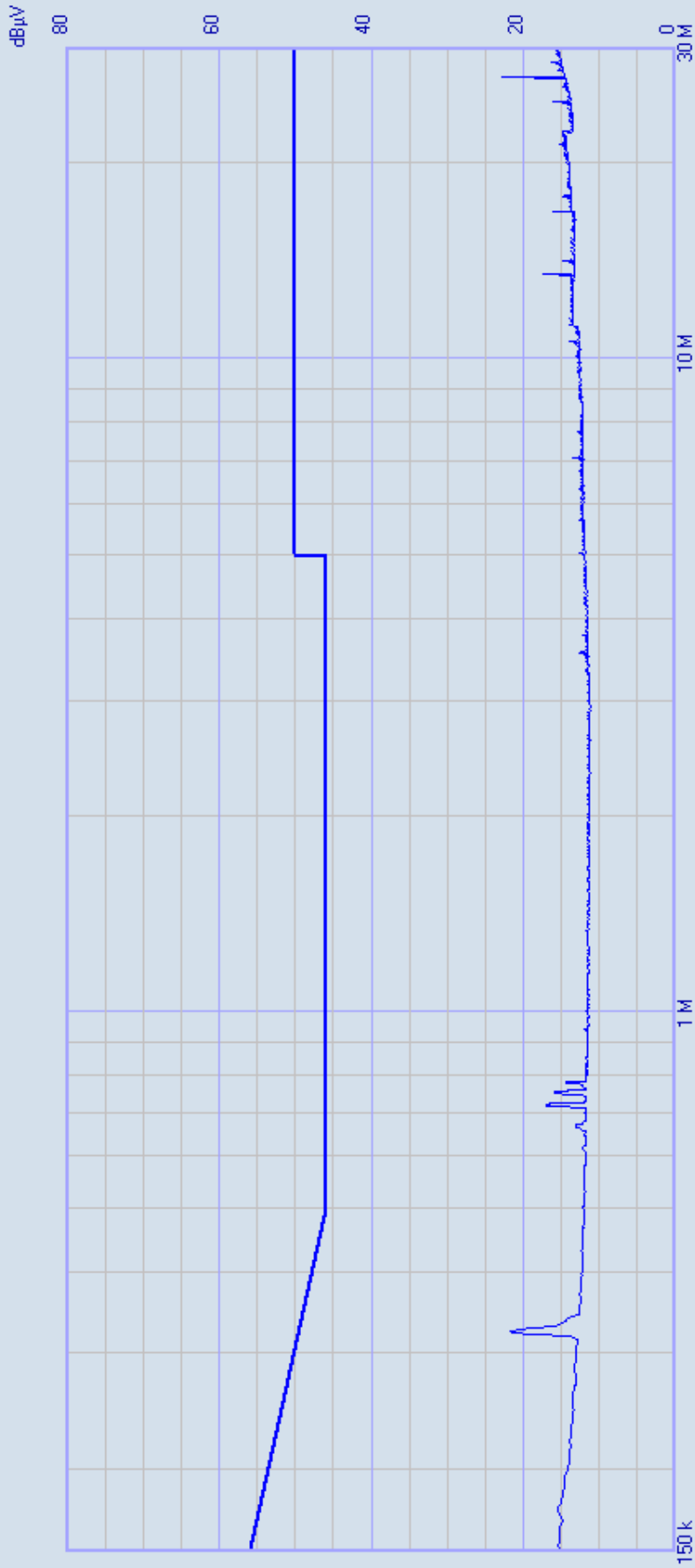
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 5VDC; Battery Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam Battery L1_000

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors: C-Avg

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

Beam Battery L1 31/03/2017 09:26:13
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 30 dB

	Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1	0.32178	21.54	49.66	-28.12	0.65	10.14	1.22	0.06
2	0.323825	21.77	49.61	-27.84	0.64	10.14	1.21	0.06
3	0.32587	21.57	49.56	-27.99	0.64	10.14	1.21	0.06
4	0.716465	16.85	46.00	-29.15	0.37	10.19	0.61	0.15
5	0.71851	16.95	46.00	-29.05	0.37	10.19	0.61	0.15
6	0.720555	16.45	46.00	-29.55	0.37	10.20	0.60	0.16
7	26.798395	20.21	50.00	-29.79	0.38	10.38	0.37	0.89
8	26.80044	22.57	50.00	-27.43	0.38	10.38	0.37	0.89
9	26.802485	22.70	50.00	-27.30	0.38	10.38	0.37	0.89
10	26.80453	22.18	50.00	-27.82	0.38	10.38	0.37	0.89

PMM NARDA REPORT: Beam Battery I2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: QP
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

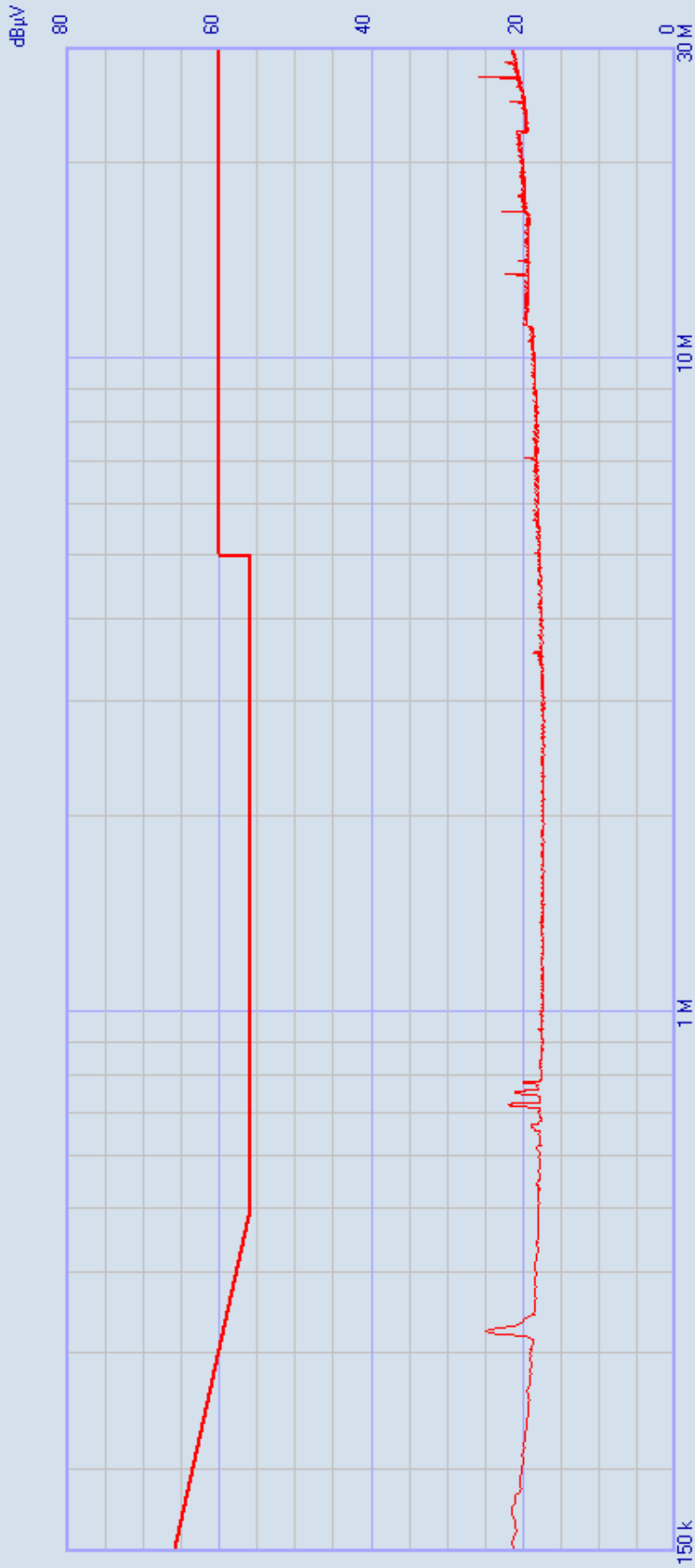
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 5VDC; Battery Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam Battery L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V QP

Factors:
QPeak

LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45



Beam Battery L2 31/03/2017 09:34:27
Rel. SW 2.22 (August 2015)
Rel. FW 1.54 20/04/16
Margin: 35 dB

Frequency [MHz]	QPeak [dBµV]	Limit Class B V.. [dBµV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1 0.323825	24.67	59.61	-34.94	0.64	10.14	1.21	0.06
2 0.32587	24.92	59.56	-34.64	0.64	10.14	1.21	0.06
3 0.716465	21.71	56.00	-34.29	0.37	10.19	0.61	0.15
4 0.71851	21.81	56.00	-34.19	0.37	10.19	0.61	0.15
5 0.720555	21.45	56.00	-34.55	0.37	10.20	0.60	0.16
6 26.80044	25.73	60.00	-34.27	0.38	10.38	0.37	0.89
7 26.802485	25.81	60.00	-34.19	0.38	10.38	0.37	0.89
8 26.80453	25.50	60.00	-34.50	0.38	10.38	0.37	0.89

PMM NARDA REPORT: Beam Battery I2



Report issuing date : 03-31-2017

Standard : FCC Part 15.207 ClassB
Test Type : Voltage Mains Test
Test Site : DLS O.F. Screen Room
Temperature : 70°F
Humidity : 32%
Test Specs : Line 2: Avg
Operator : Paul L
DLS Project # : 8791
Result : Pass

EUT

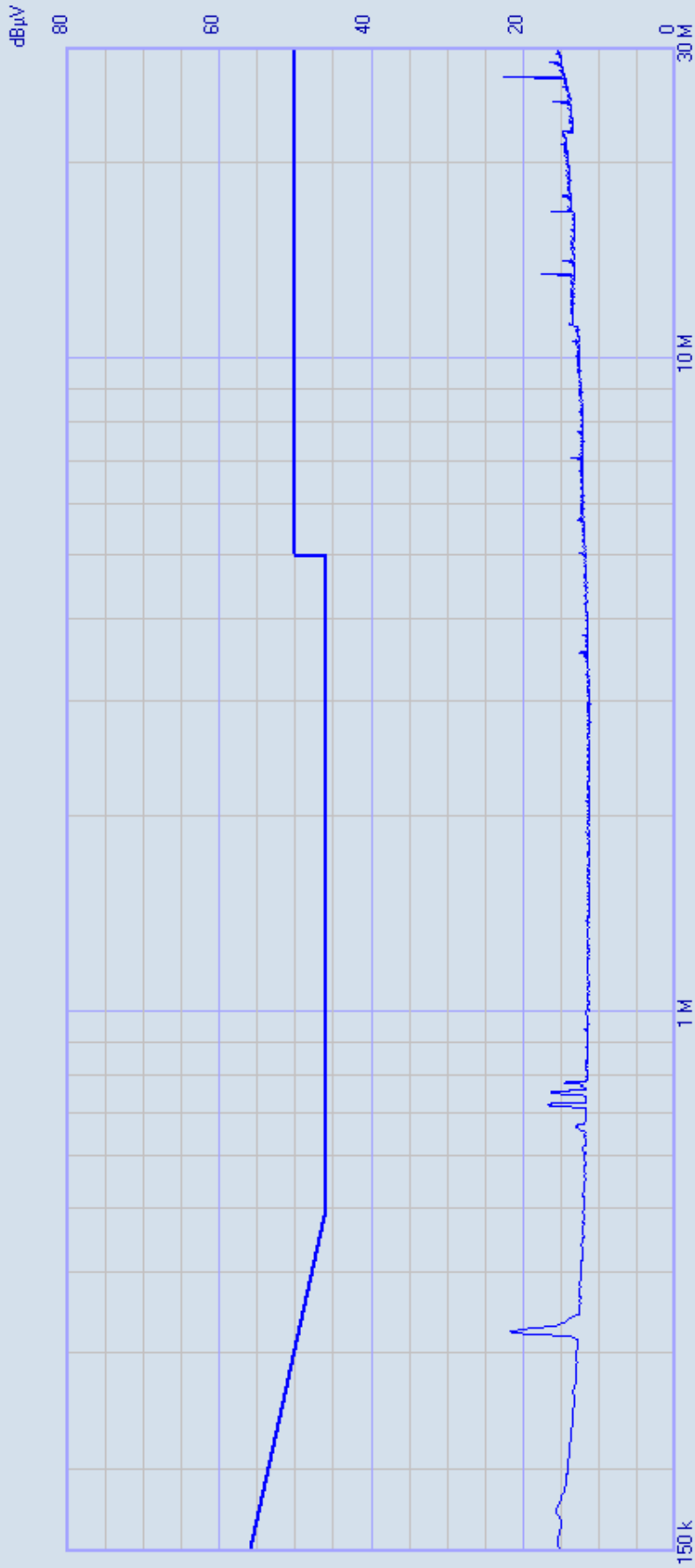
Manufacturer : Beam Authentic
Model : BEAM1
Product : Beam 1
Notes : 5VDC; Battery Mode

Testing Company : DLS Electronic Systems
Tel./Fax : 262-279-0210
Web site : <http://www.dlsemc.com>

Receiver Details

Model : PMM 9010F
Brand : Narda
S/N : 020WW40102
Last Calibration : 06/23/2016

NOTE: The column in the table that is labeled "delta" shows the margin in dB with respect to the limit. A negative number indicates the level of the emission is under the limit by the given value, while a positive number indicates the emission level is above the limit by the given value.



Beam Battery L2

	Start [MHz]	Stop [MHz]	Step	Detector	Hold Time	RBW	Min Att	Pre Amp	Pre Sel	Prompt start	Ancillary
1	0.15	30	AUTO (2.045 kHz)	P Q C Class B V QP Class B V AV	1500 ms	9 kHz	10	OFF	ON	...	...

Ancillary = General

Limits:
Class B V AV

Factors:
LISN DLS#128
EM-L705
DLS #592
Cables 43 & 45

C-Avg

Beam Battery L2 31/03/2017 09:34:27
 Rel. SW 2.22 (August 2015)
 Rel. FW 1.54 20/04/16
 Margin: 30 dB

	Frequency [MHz]	C-Avg [dBμV]	Limit Class B V.. [dBμV]	Delta [dB]	Factor LISN DLS#.. [dB]	Factor EM-L705 [dB]	Factor DLS #592 [dB]	Factor Cables 43.. [dB]
1	0.32178	21.56	49.66	-28.10	0.65	10.14	1.22	0.06
2	0.323825	21.77	49.61	-27.84	0.64	10.14	1.21	0.06
3	0.32587	21.55	49.56	-28.01	0.64	10.14	1.21	0.06
4	0.716465	16.51	46.00	-29.49	0.37	10.19	0.61	0.15
5	0.71851	16.60	46.00	-29.40	0.37	10.19	0.61	0.15
6	0.720555	16.16	46.00	-29.84	0.37	10.20	0.60	0.16
7	0.75123	16.19	46.00	-29.81	0.36	10.20	0.58	0.16
8	26.798395	20.20	50.00	-29.80	0.38	10.38	0.37	0.89
9	26.80044	22.50	50.00	-27.50	0.38	10.38	0.37	0.89
10	26.802485	22.64	50.00	-27.36	0.38	10.38	0.37	0.89
11	26.80453	22.18	50.00	-27.82	0.38	10.38	0.37	0.89



Company: Beam Authentic
 Model Tested: BEAM1
 Report Number: 22720
 DLS Project: 8791

166 South Carter, Genoa City, WI 53128

Appendix C – Measurement Uncertainty

Compliance with the limits in this standard are based on the results of the compliance measurement. Our calculated measurement uncertainty including the measurement instrumentation, associated connections between the various instruments in the measurement chain, and other contributions, are provided in this section of the test report.

Parameter	Expanded Uncertainty (K=2)
Occupied Channel Bandwidth	+/-1.14%
RF Output Power, Conducted	+/-0.89dB
Unwanted Emissions, Conducted	+/-2.62dB
All Emissions, Radiated	+/-4.95dB
DC and Low Frequency Voltages	+/-2.42%
Time	+/-0.01%
Duty Cycle	+/-0.05%

AC Line Conducted		Uncertainty (+ / - dB)
Contribution	Probability Distribution	
		150 kHz - 30 MHz
Combined Standard Uncertainty	Normal	1.05
Expanded Uncertainty	Normal (k=2)	2.10



166 South Carter, Genoa City, WI 53128

Company:	Beam Authentic
Model Tested:	BEAM1
Report Number:	22720
DLS Project:	8791

END OF REPORT

Revision #	Date	Comments	By
1.0	May 1, 2017	Initial Release	CB