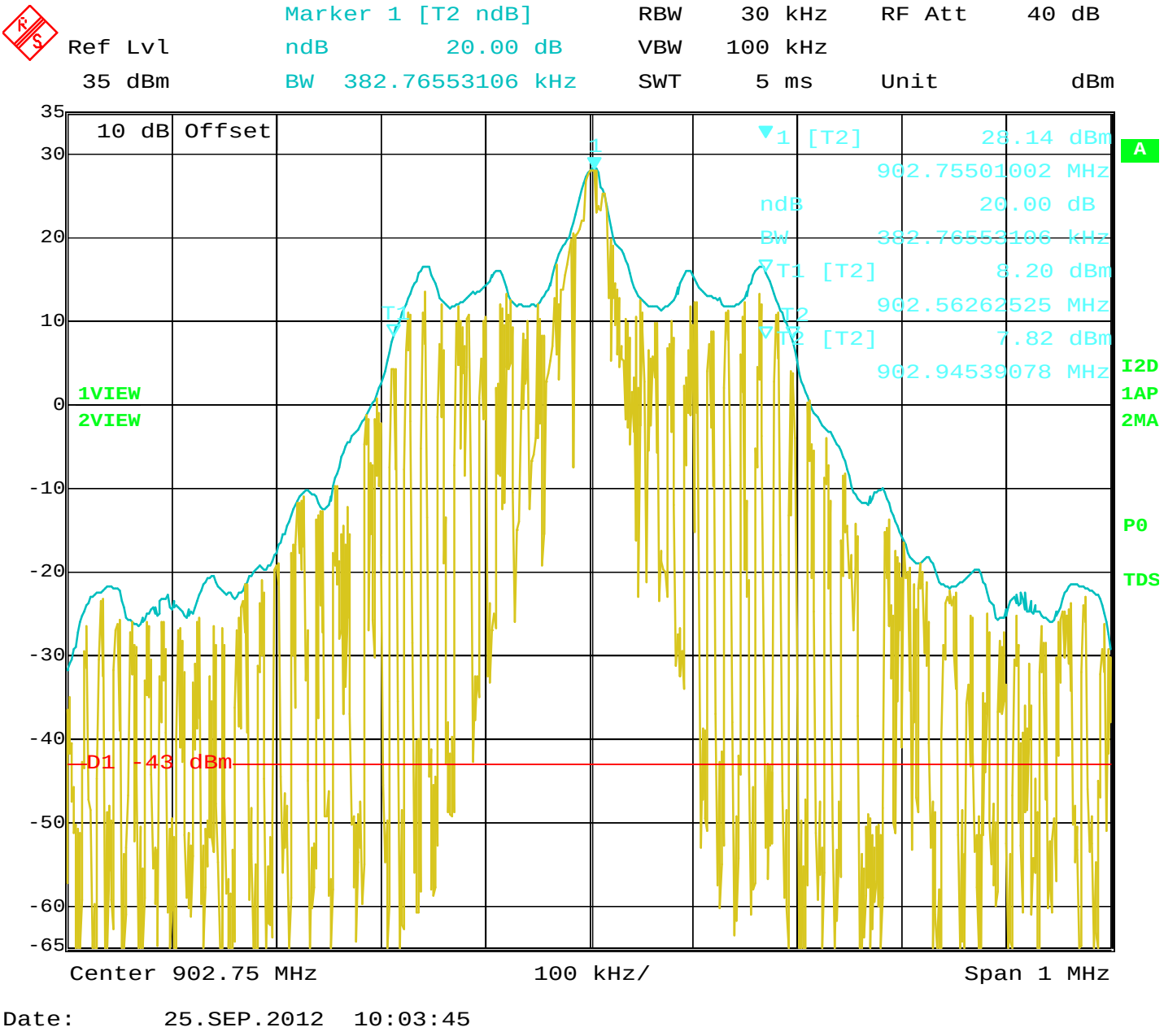
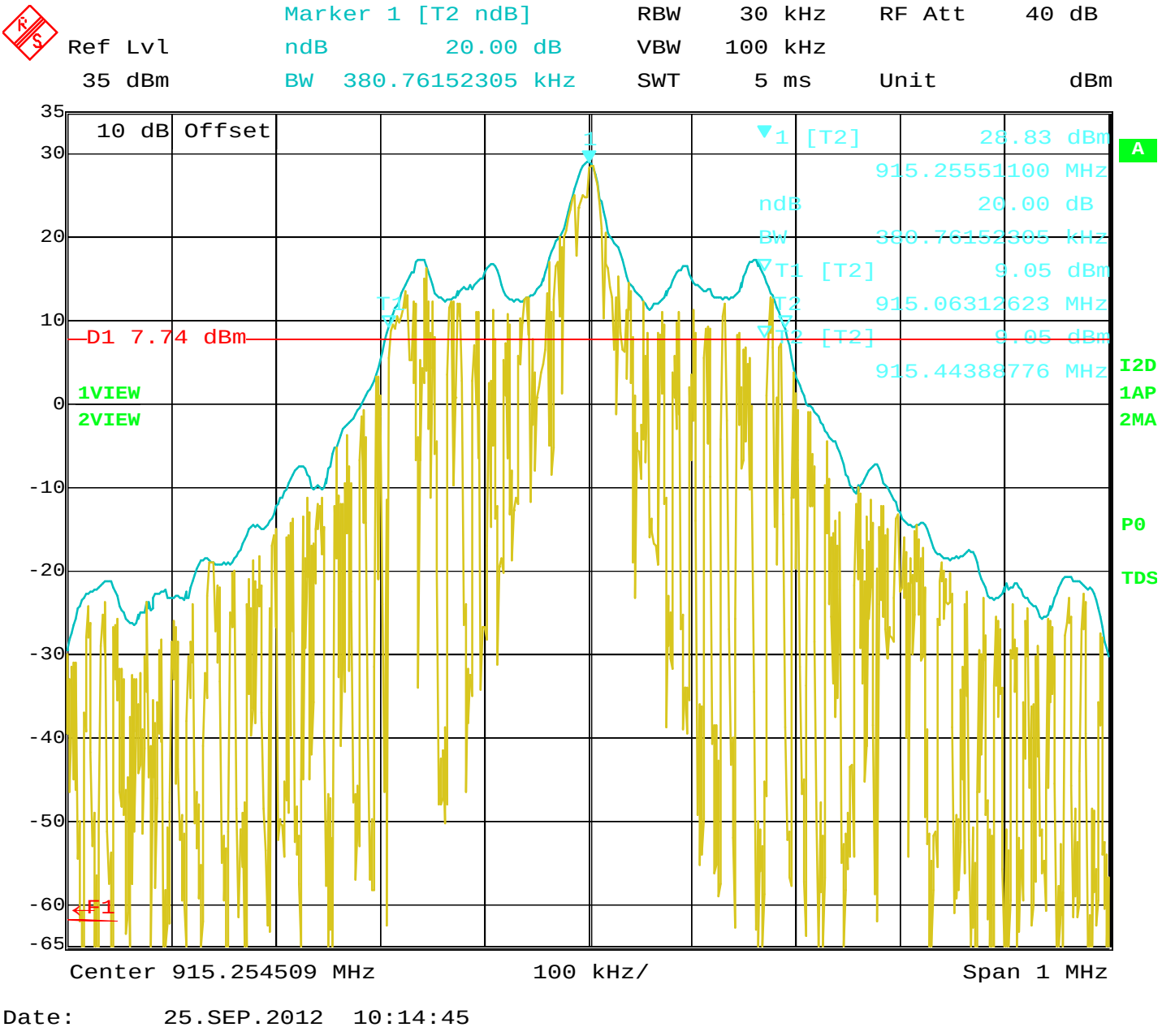
-20 dB BANDWIDTH

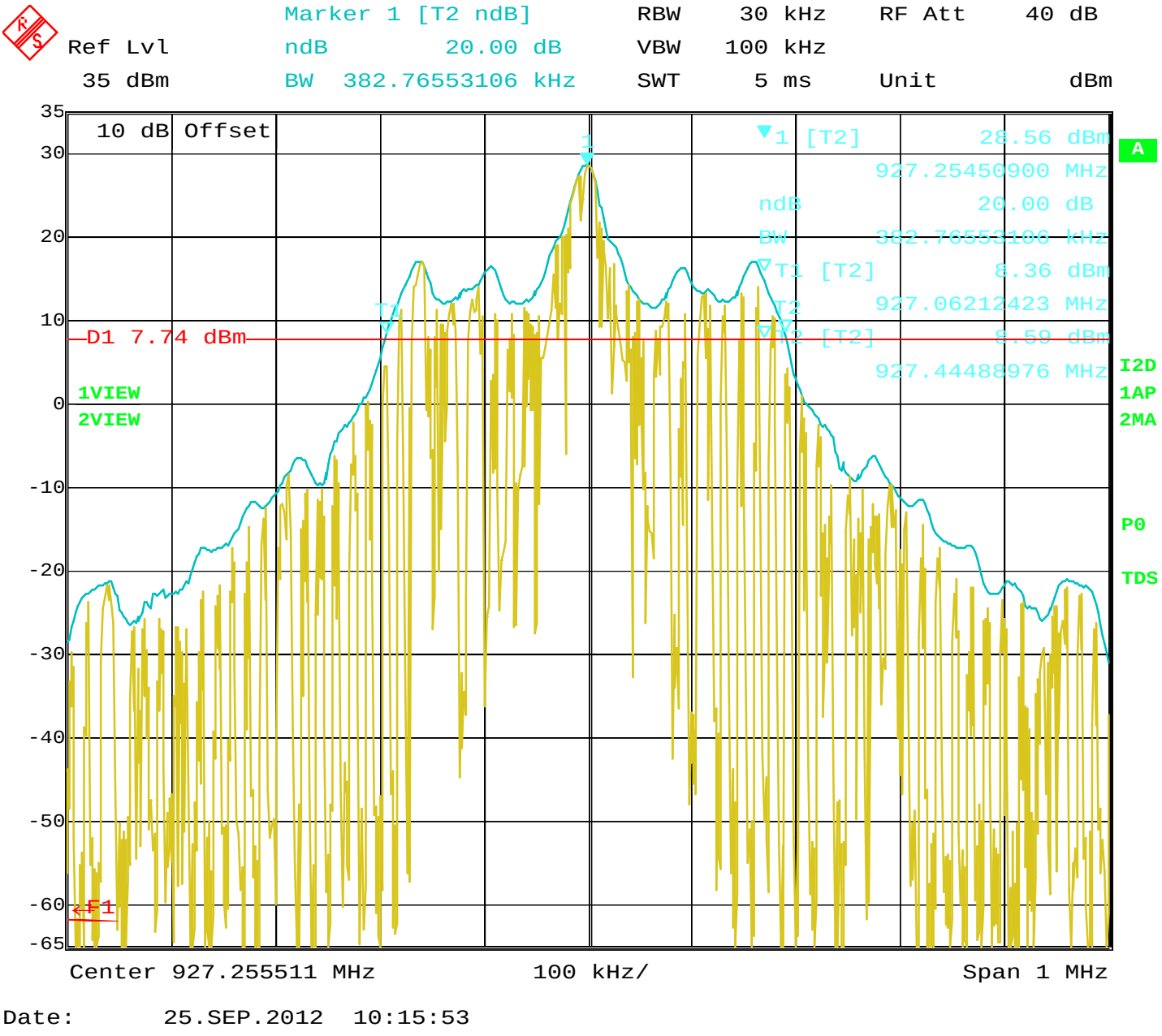
DATA SHEETS



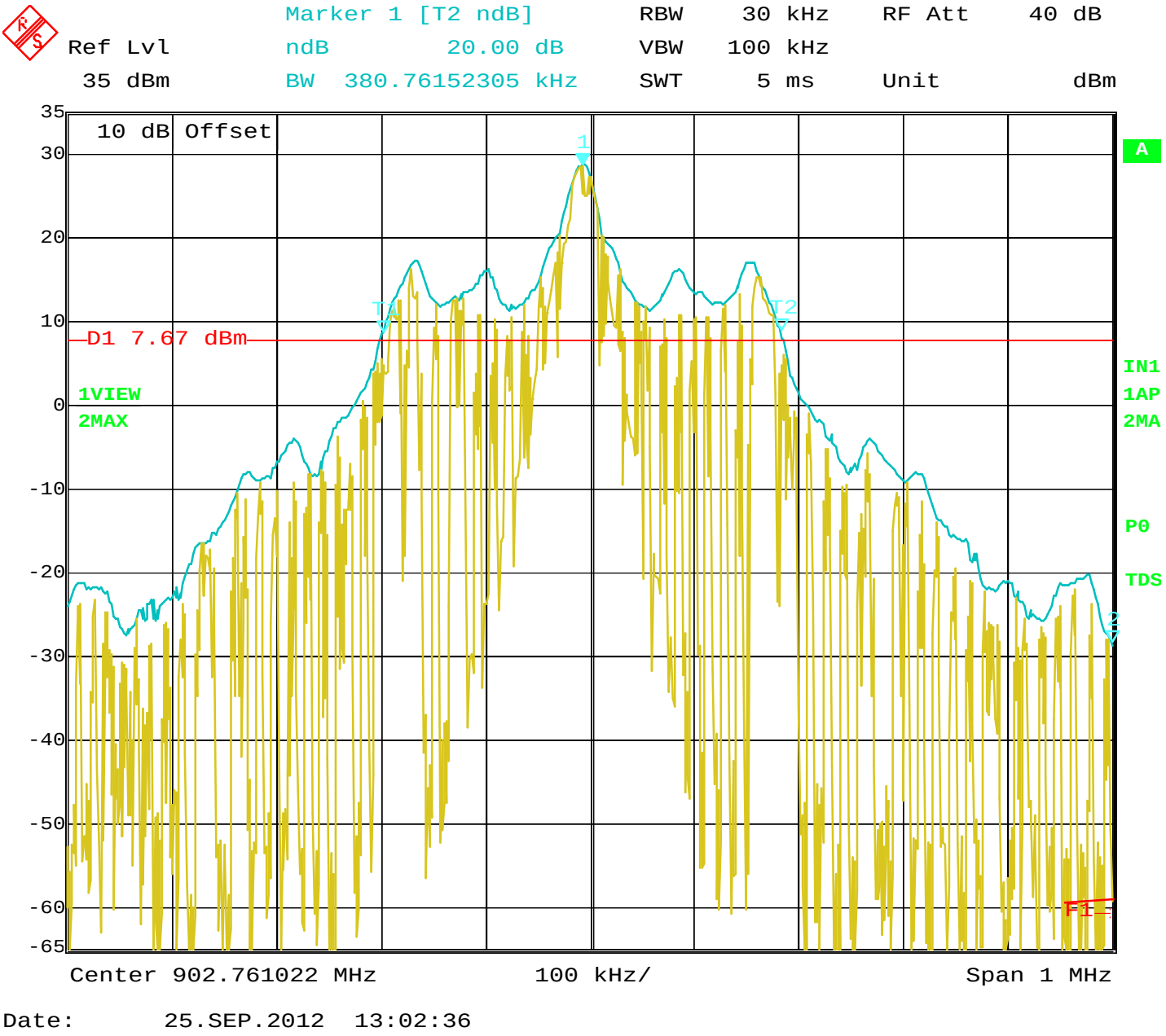
20 dB Bandwidth of Fundamental – Low Channel – eNode Only



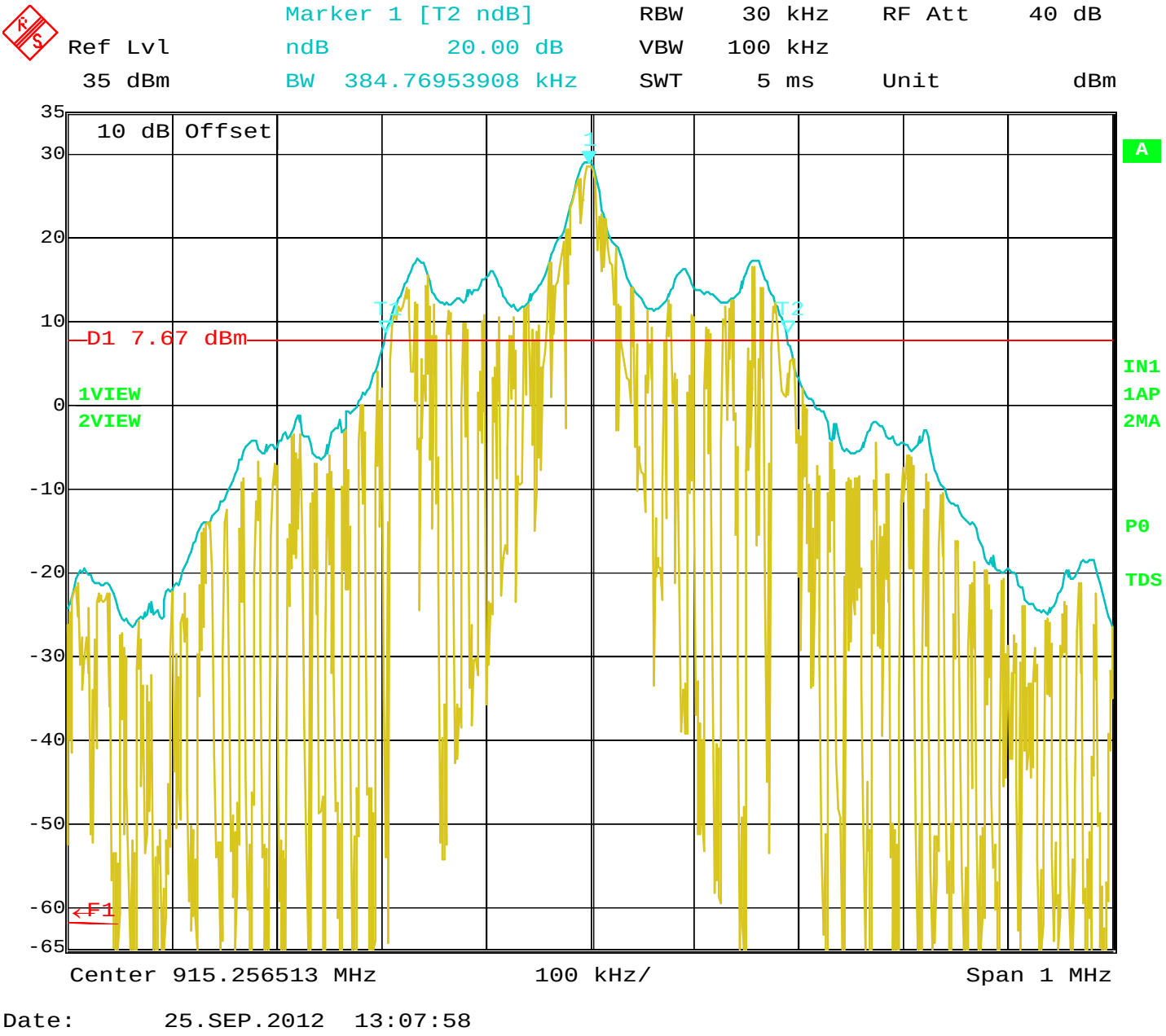
20 dB Bandwidth of Fundamental – Middle Channel – eNode Only



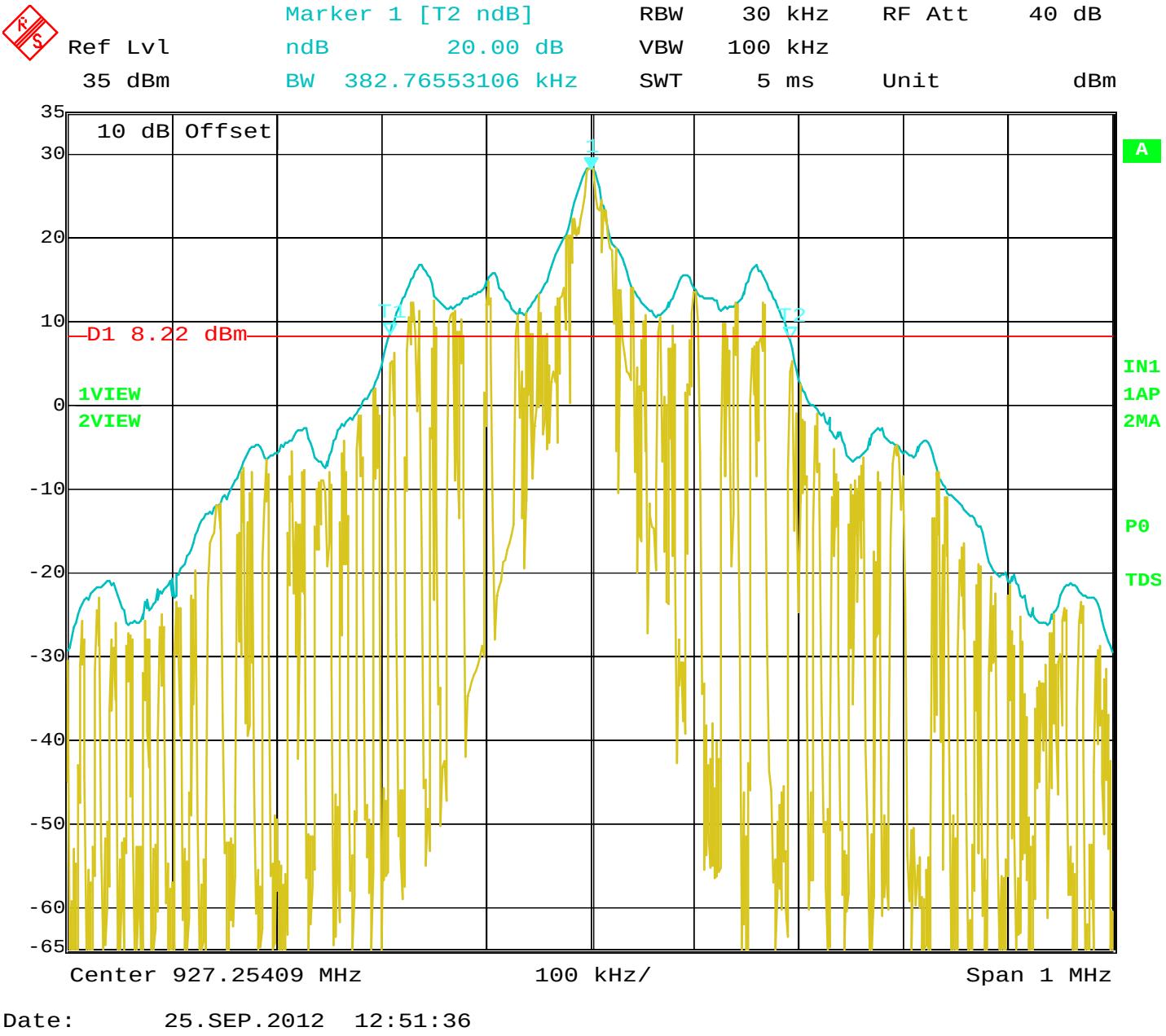
20 dB Bandwidth of Fundamental – High Channel – eNode Only



20 dB Bandwidth of Fundamental – Low Channel – eNode with RF eXpander



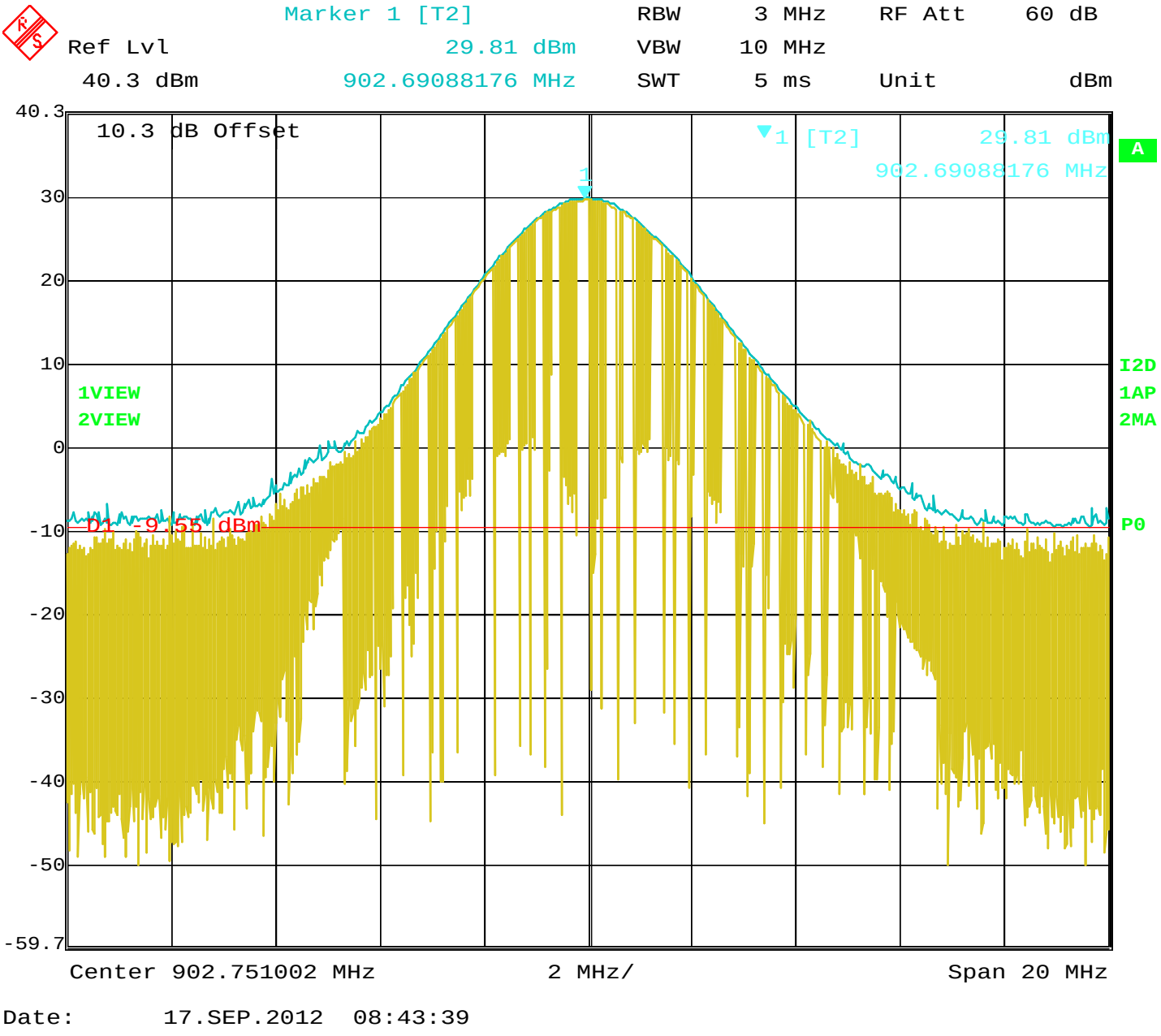
20 dB Bandwidth of Fundamental – Middle Channel – eNode with RF eXpander



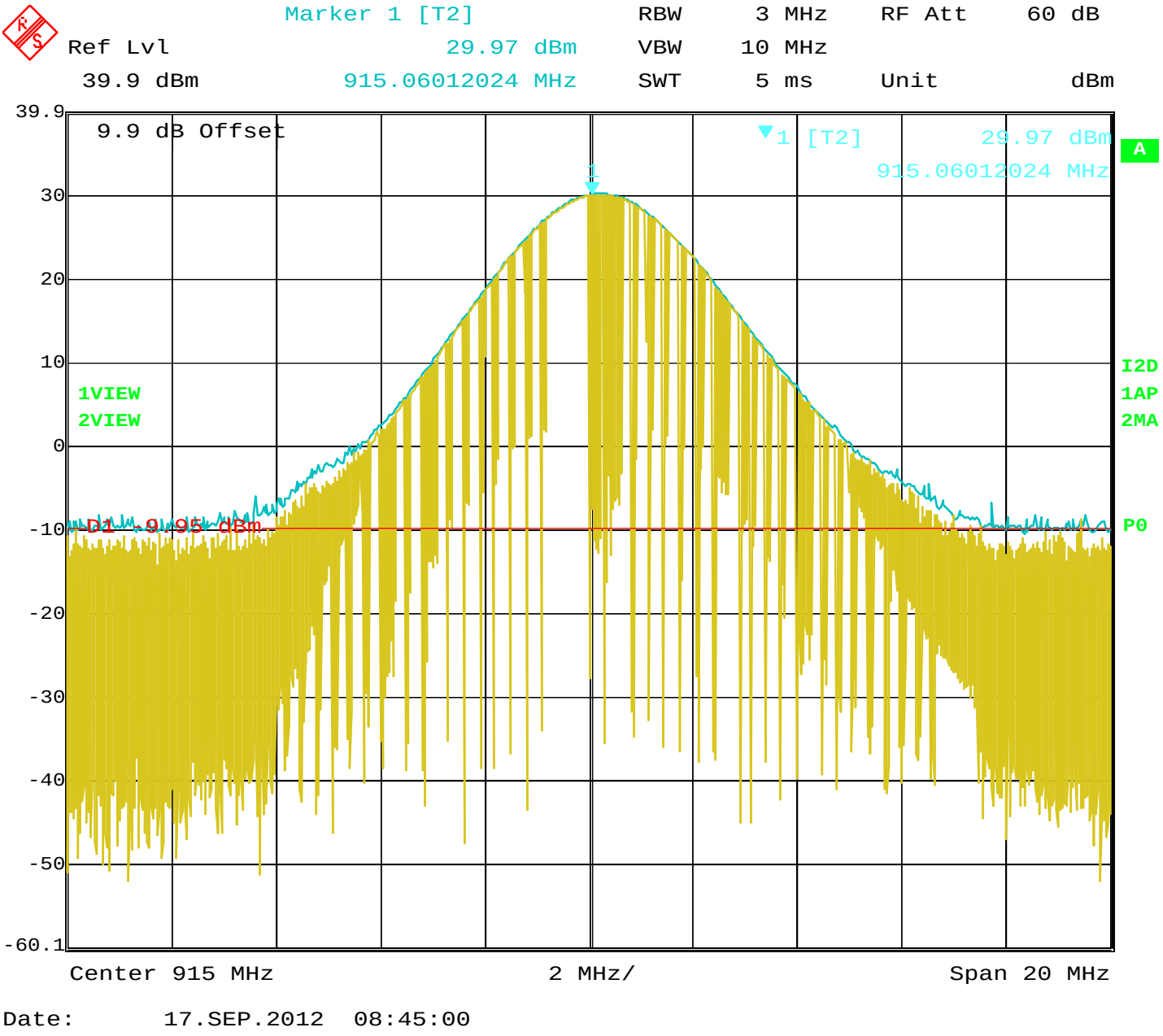
20 dB Bandwidth of Fundamental – High Channel – eNode with RF eXpander

PEAK POWER

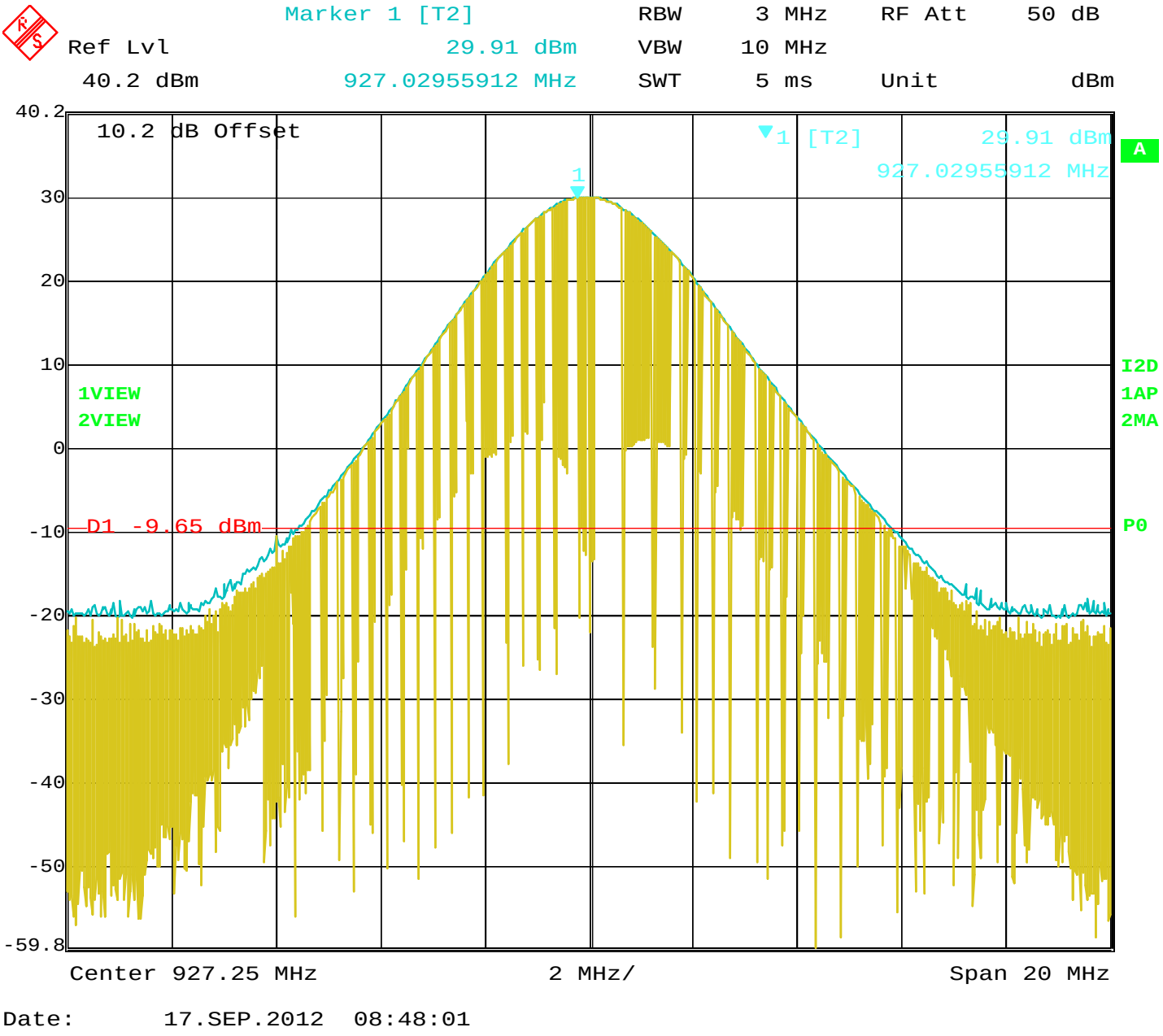
DATA SHEETS



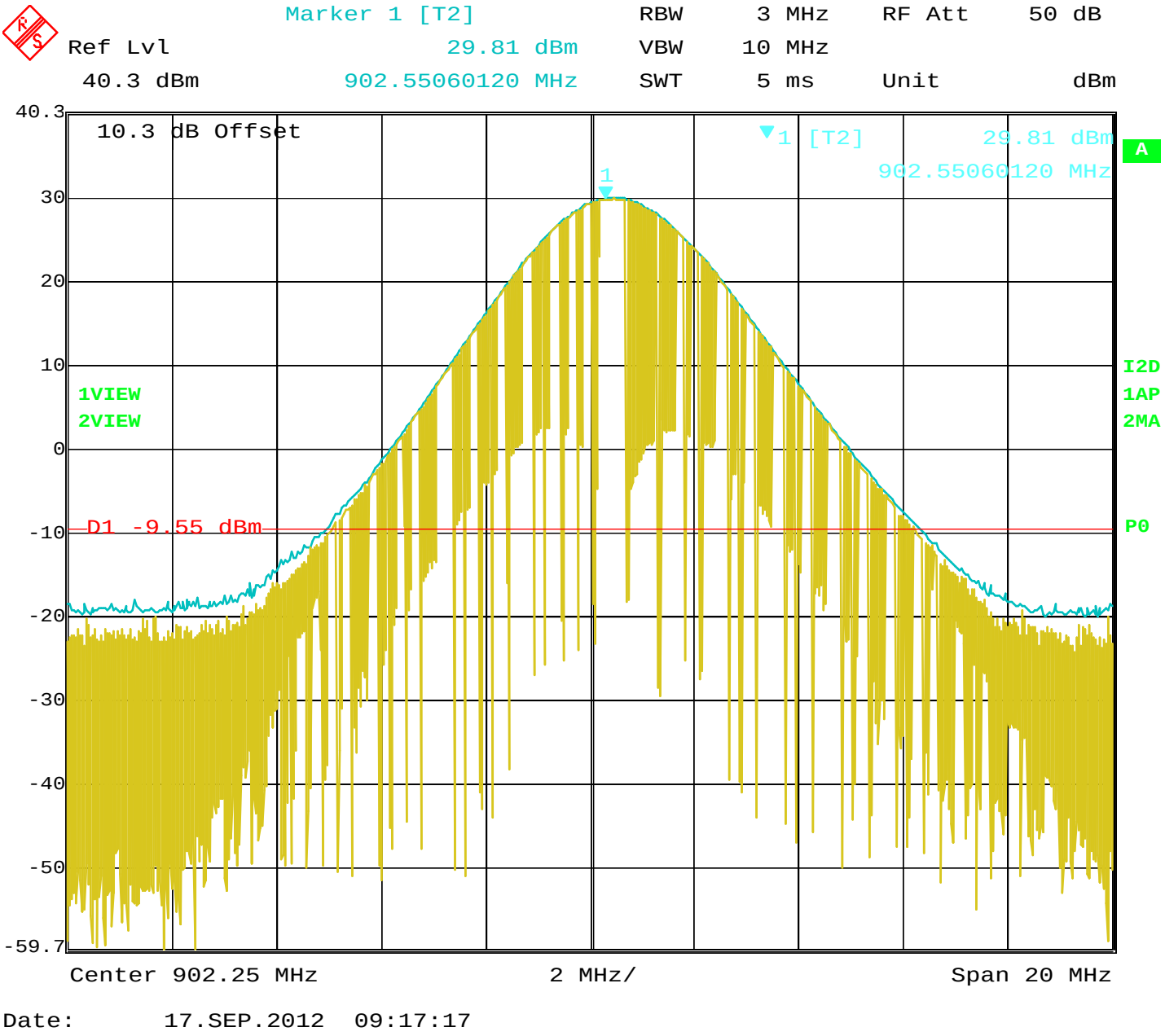
Peak Power Output – Low Channel – Antenna Port #1 – Worst Case – eNode Only



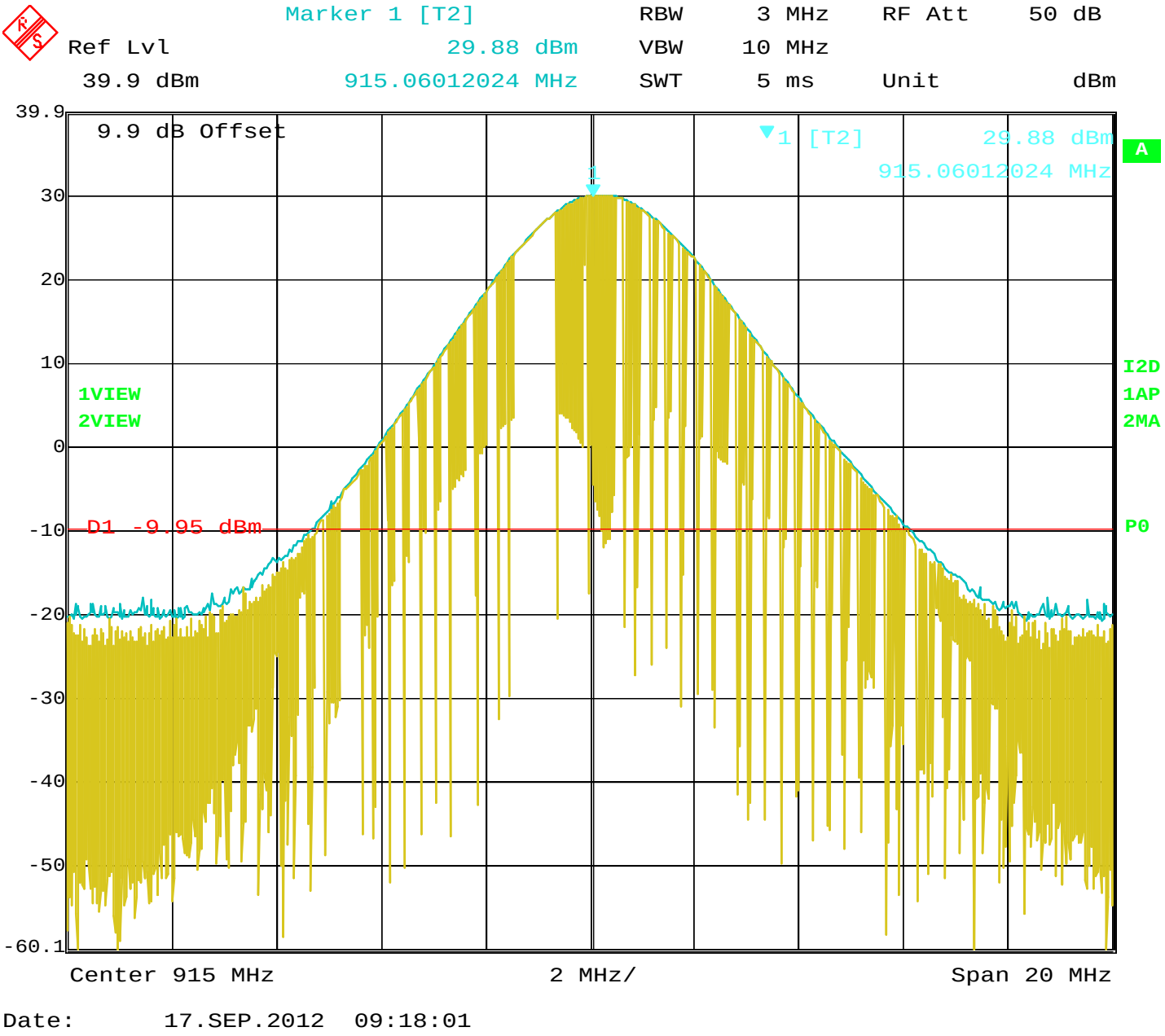
Peak Power Output – Middle Channel – Antenna Port #1 – Worst Case – eNode Only



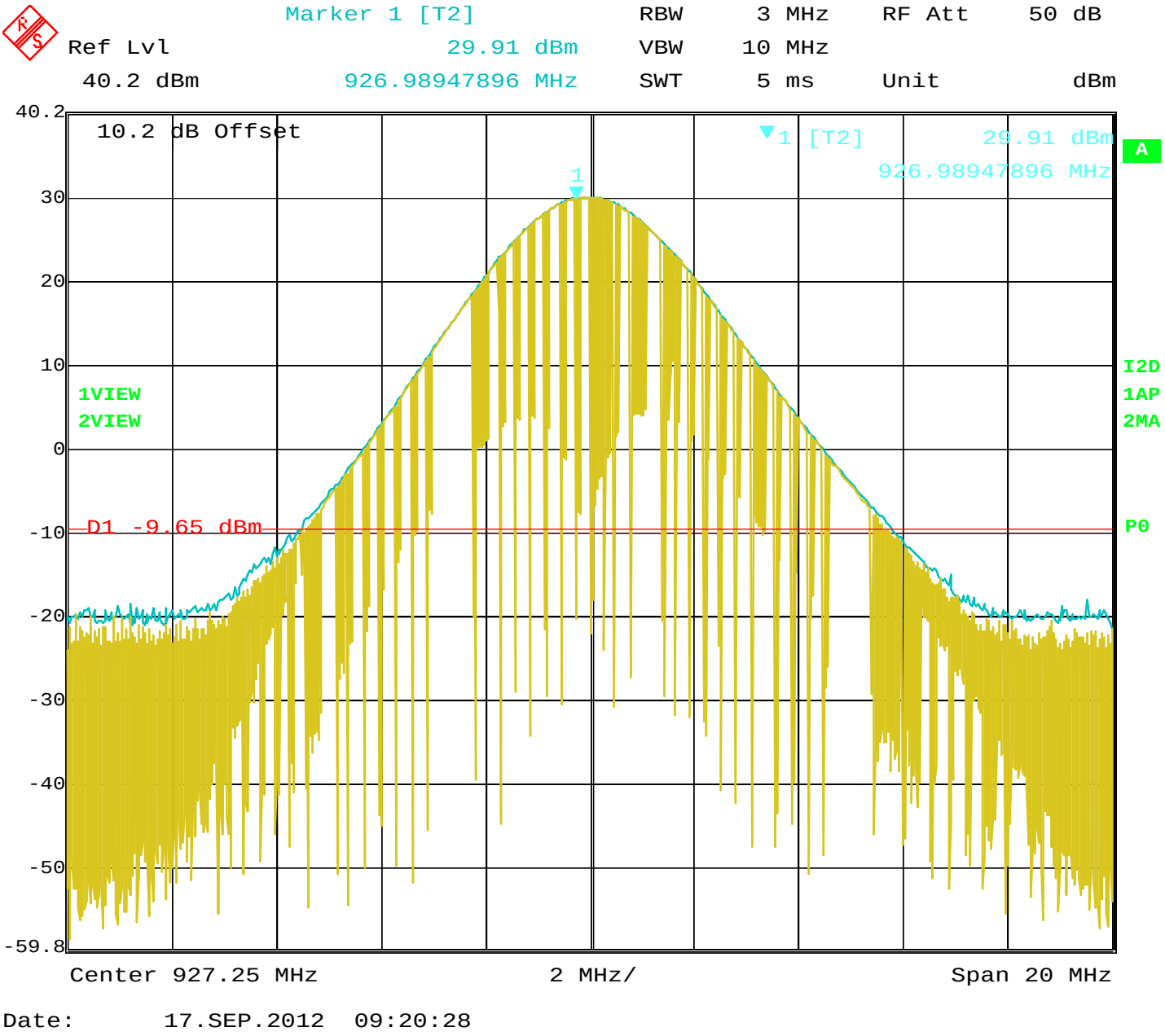
Peak Power Output – High Channel – Antenna Port #1 – Worst Case – eNode Only



Peak Power Output – Low Channel – Antenna Port #1 – Worst Case – eNode with RF eXpander



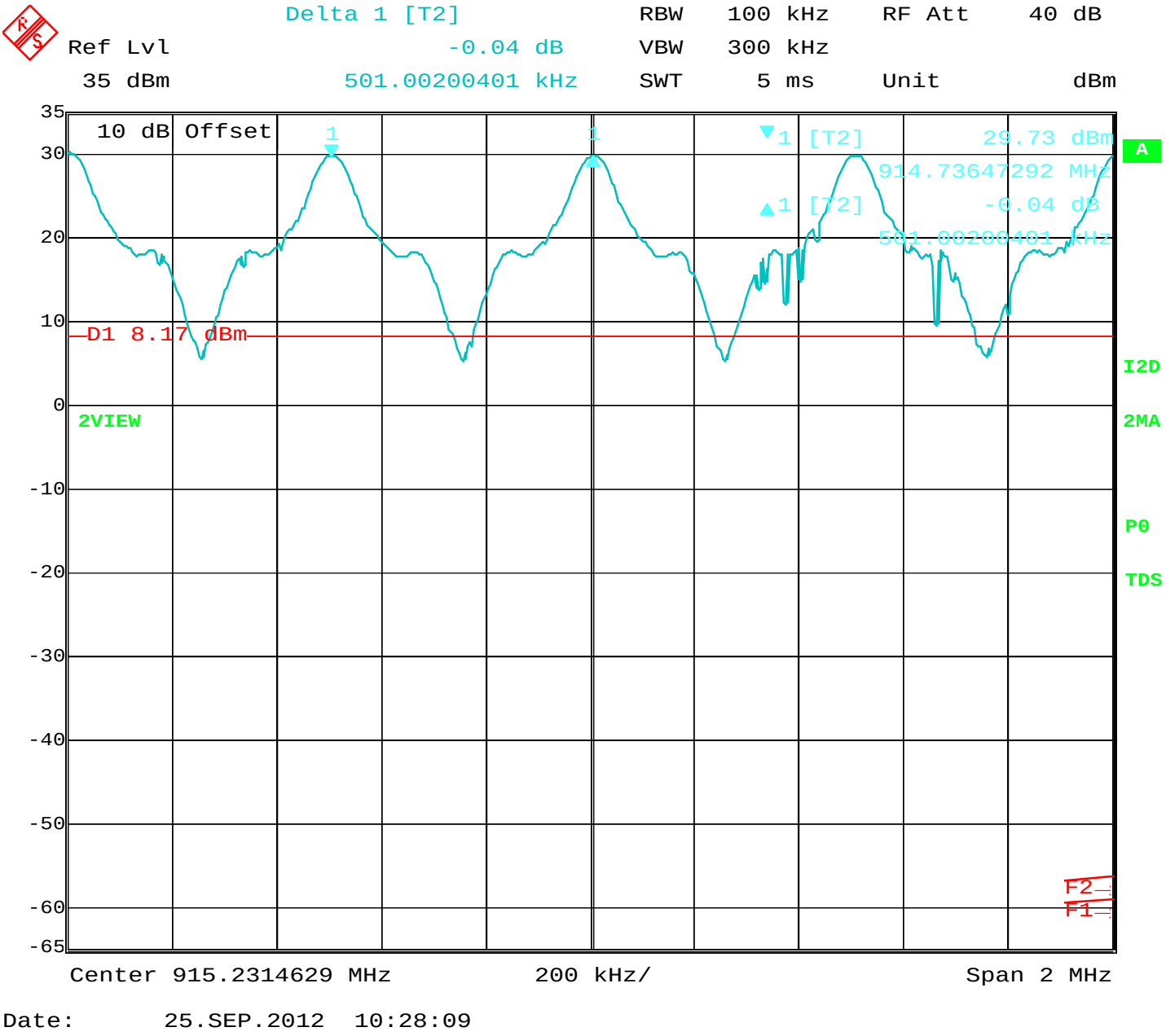
Peak Power Output – Middle Channel – Antenna Port #1 – Worst Case – eNode with RF eXpander



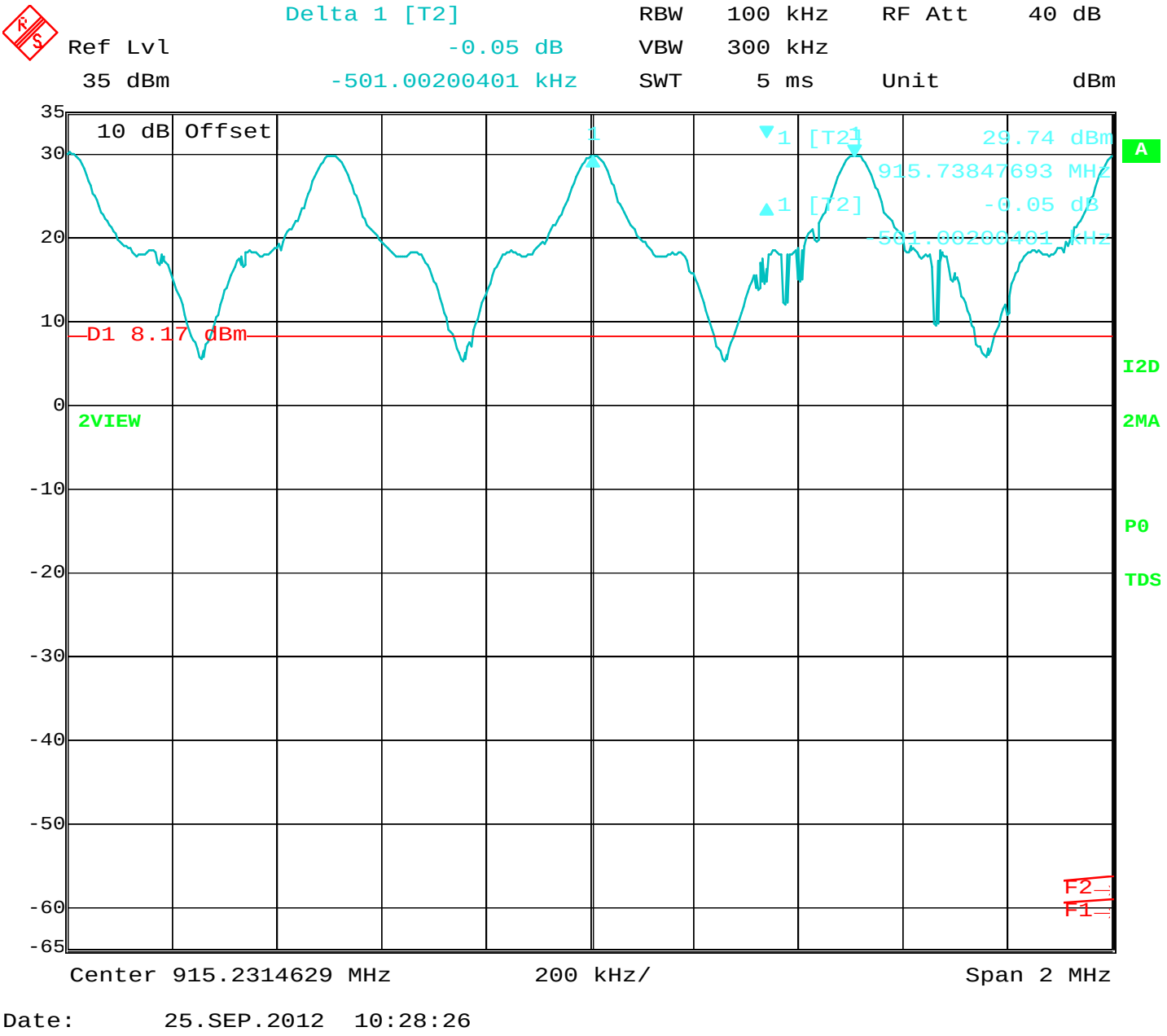
Peak Power Output – High Channel – Antenna Port #1 – Worst Case – eNode with RF eXpander

CHANNEL SEPARATION TEST

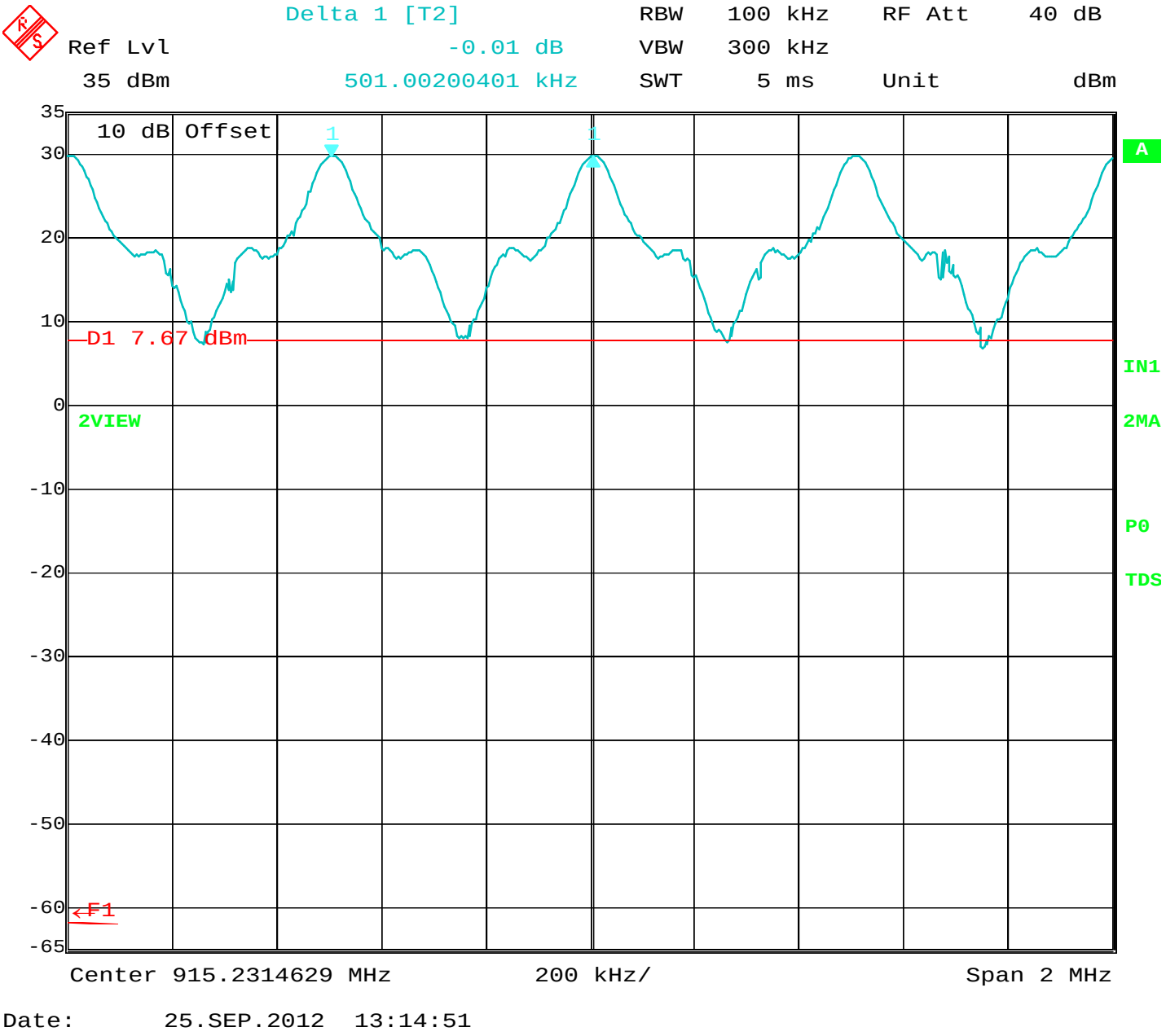
DATA SHEET



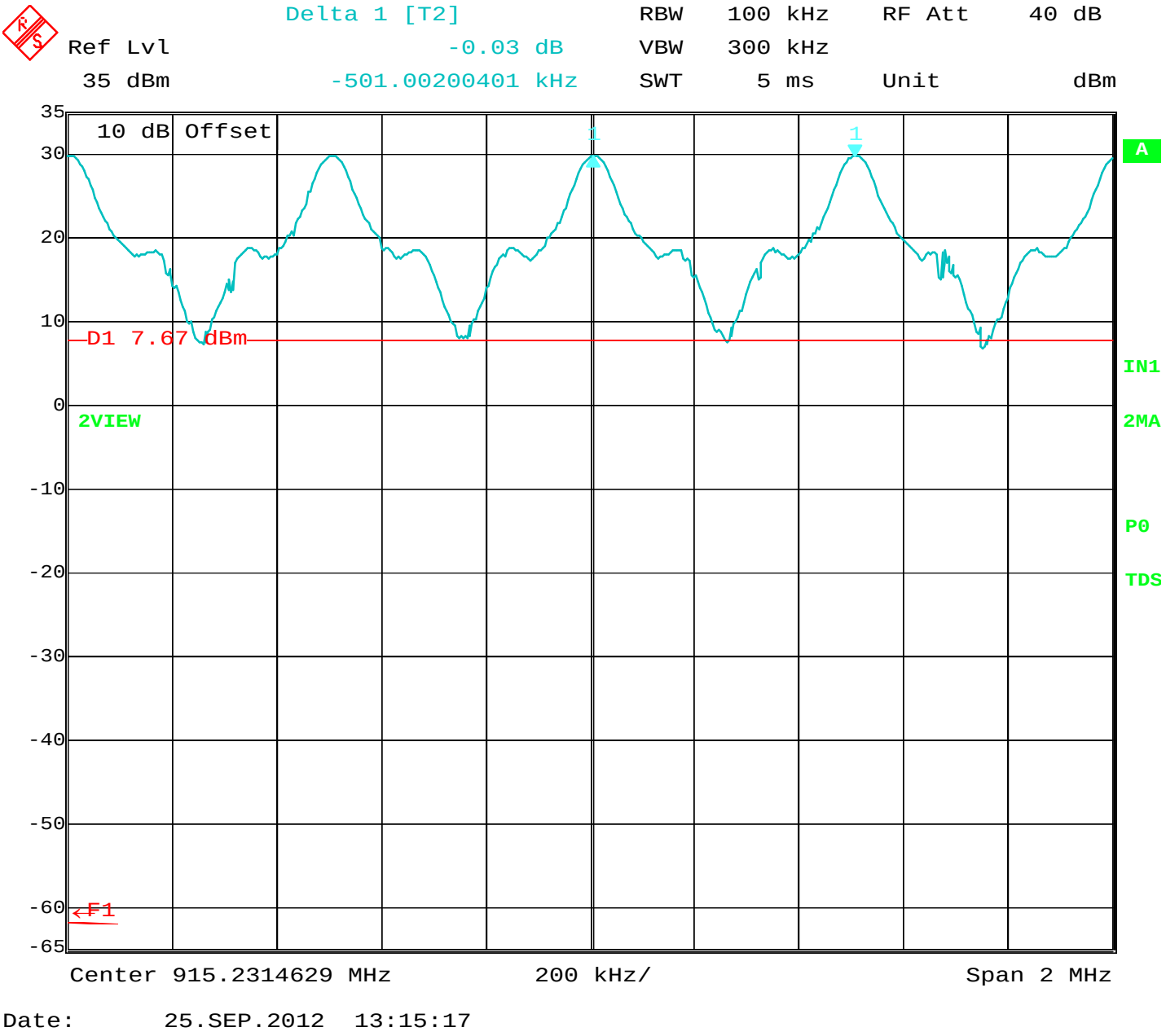
Channel Frequency Separation Test – Plot #1 – eNode Only



Channel Frequency Separation Test – Plot #2 – eNode Only



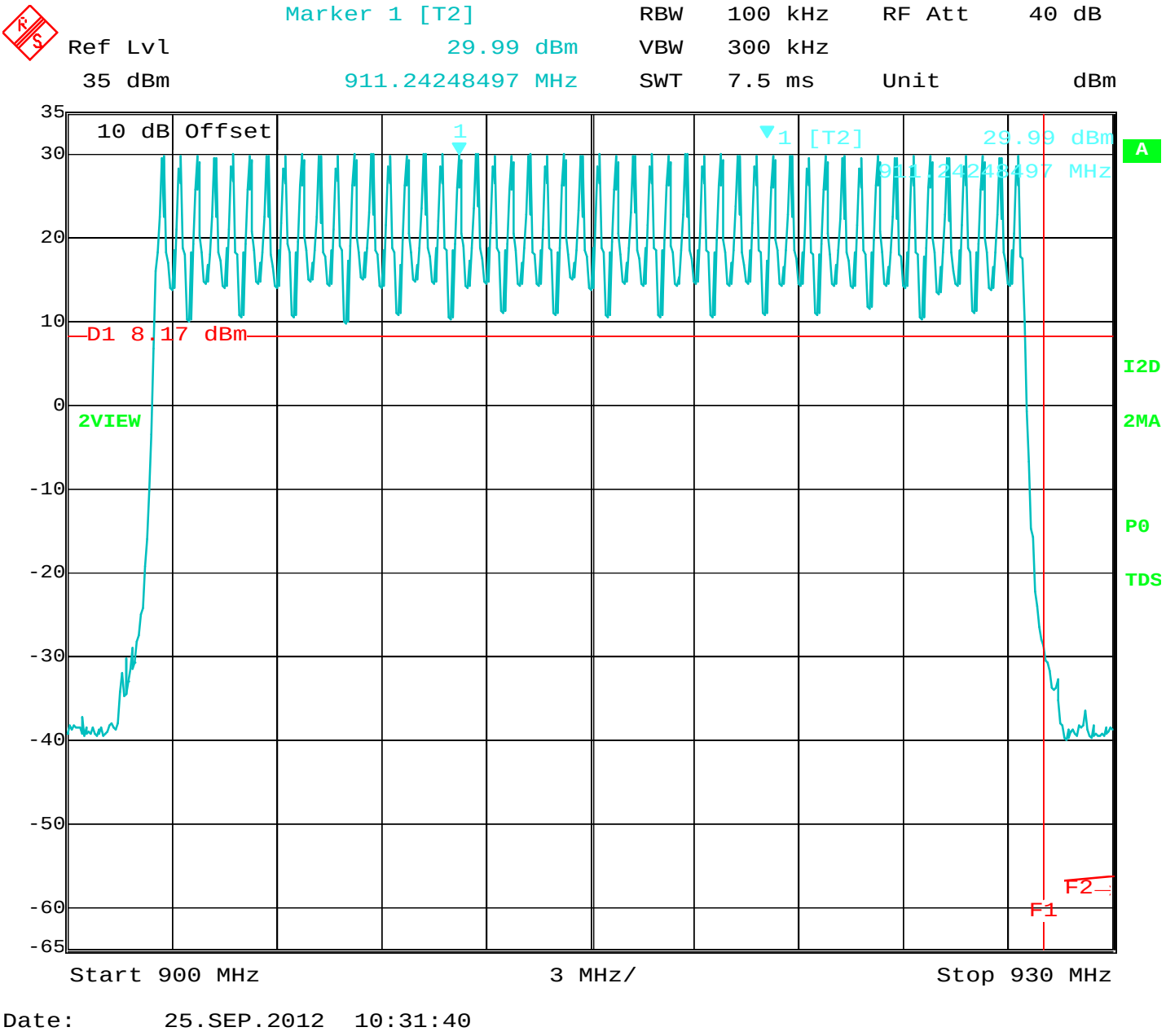
Channel Frequency Separation Test – Plot #1 – eNode with RF eXpander



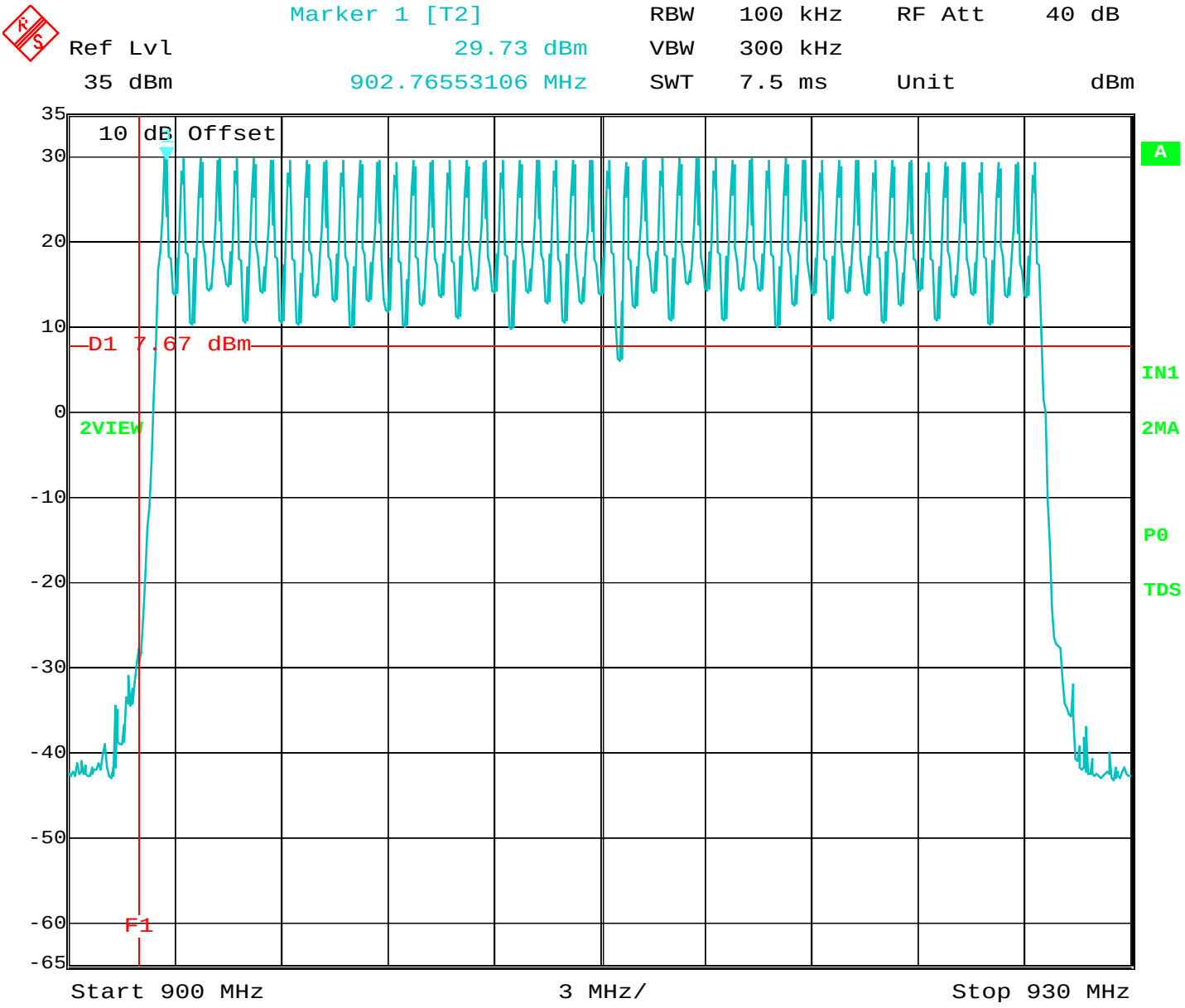
Channel Frequency Separation Test – Plot #2 – eNode with RF eXpander

NUMBER OF FREQUENCIES

DATA SHEETS



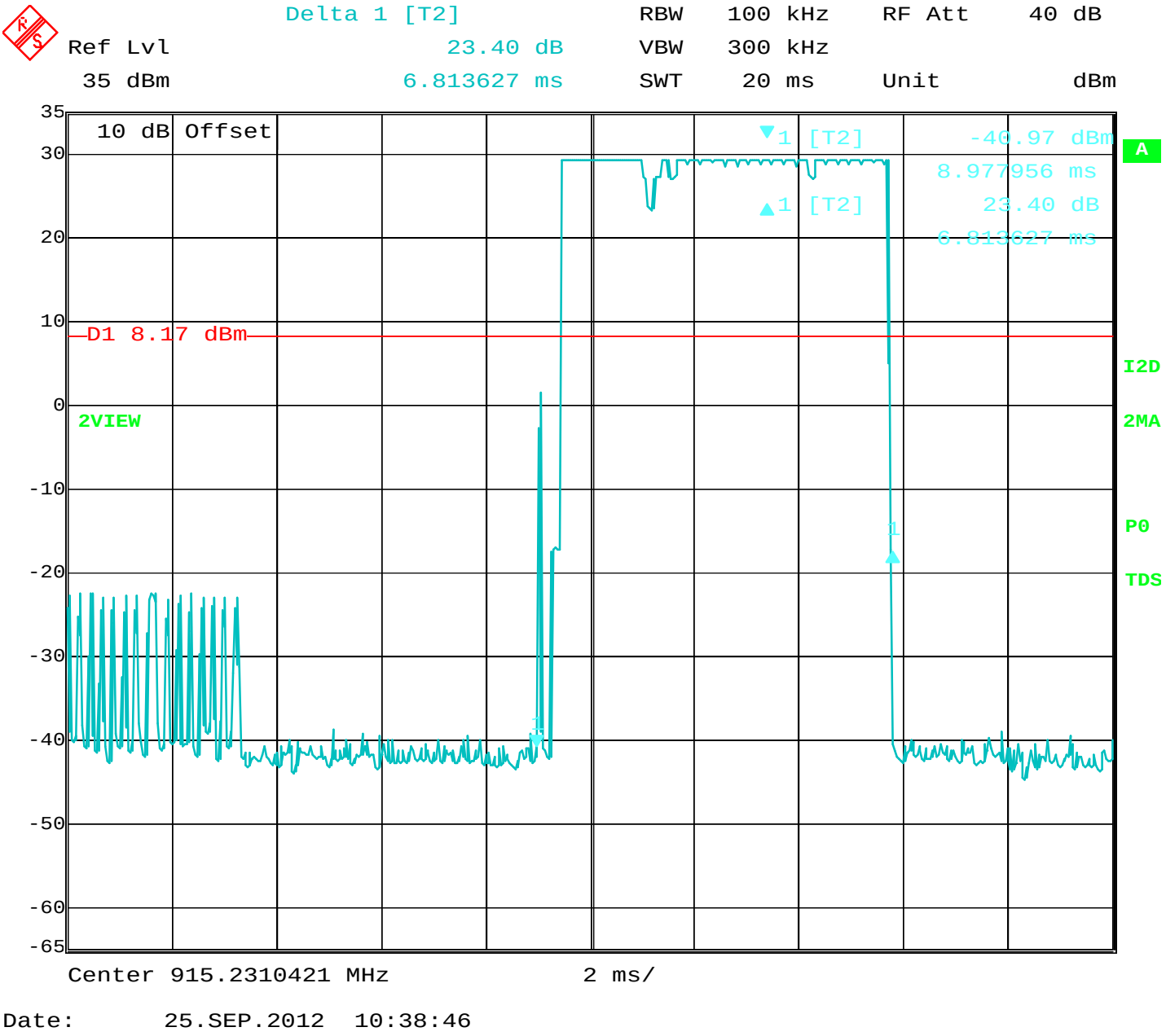
Number of Frequencies (50 Total) – eNode Only



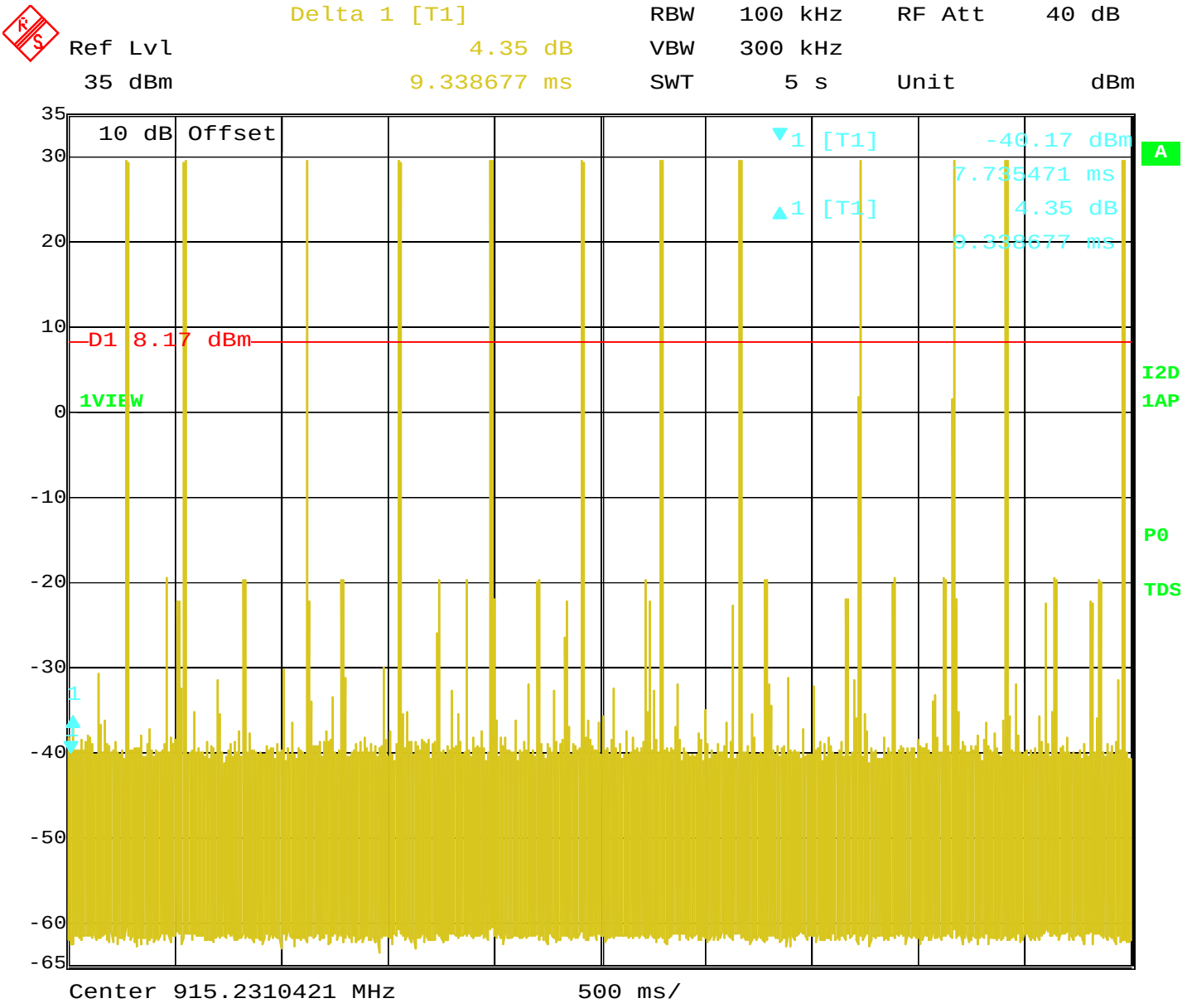
Number of Frequencies (50 Total) – eNode with RF eXpander

TIME OF OCCUPANCY

DATA SHEETS

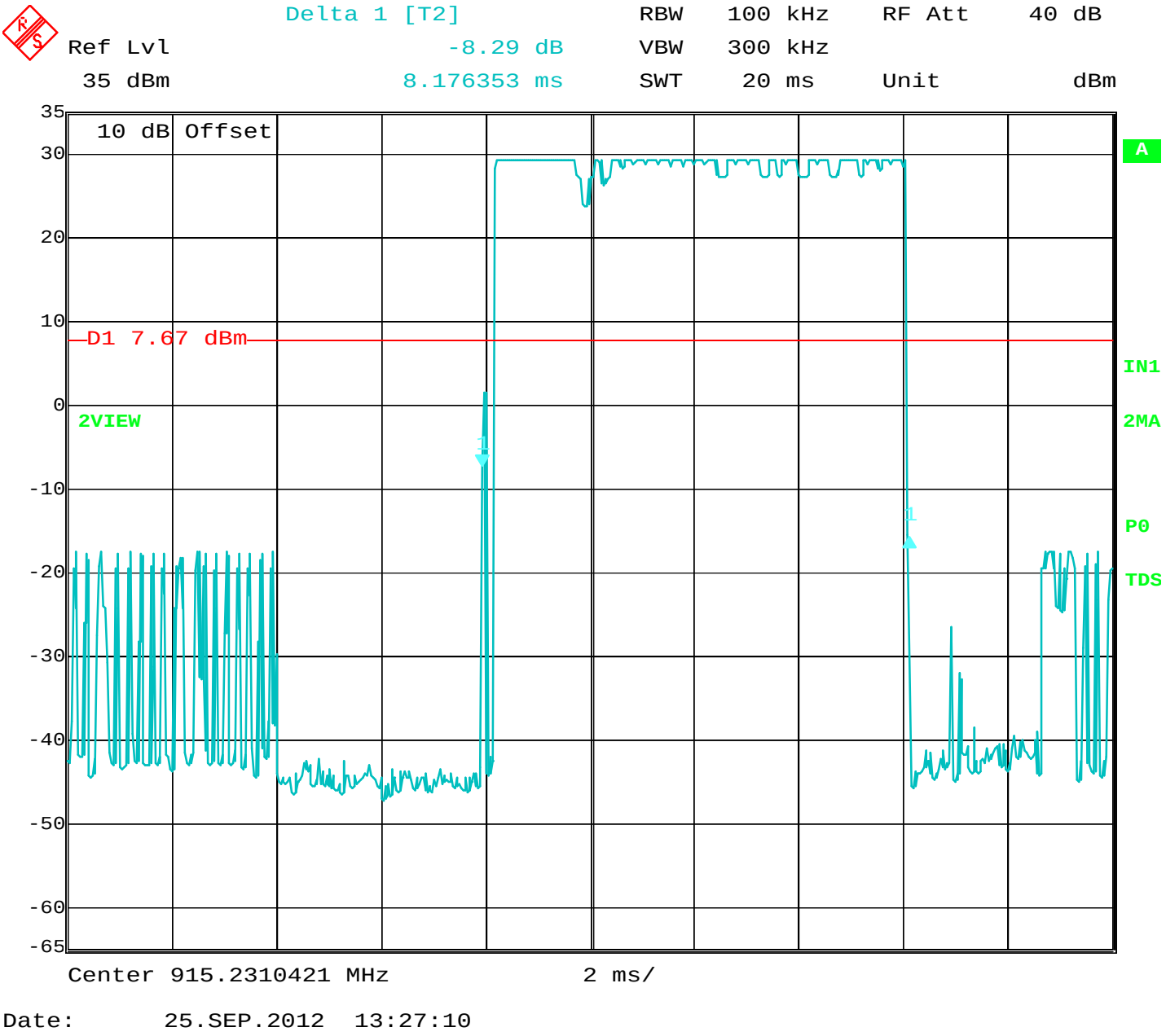


Time of One Pulse = 6.813627 mS – eNode Only

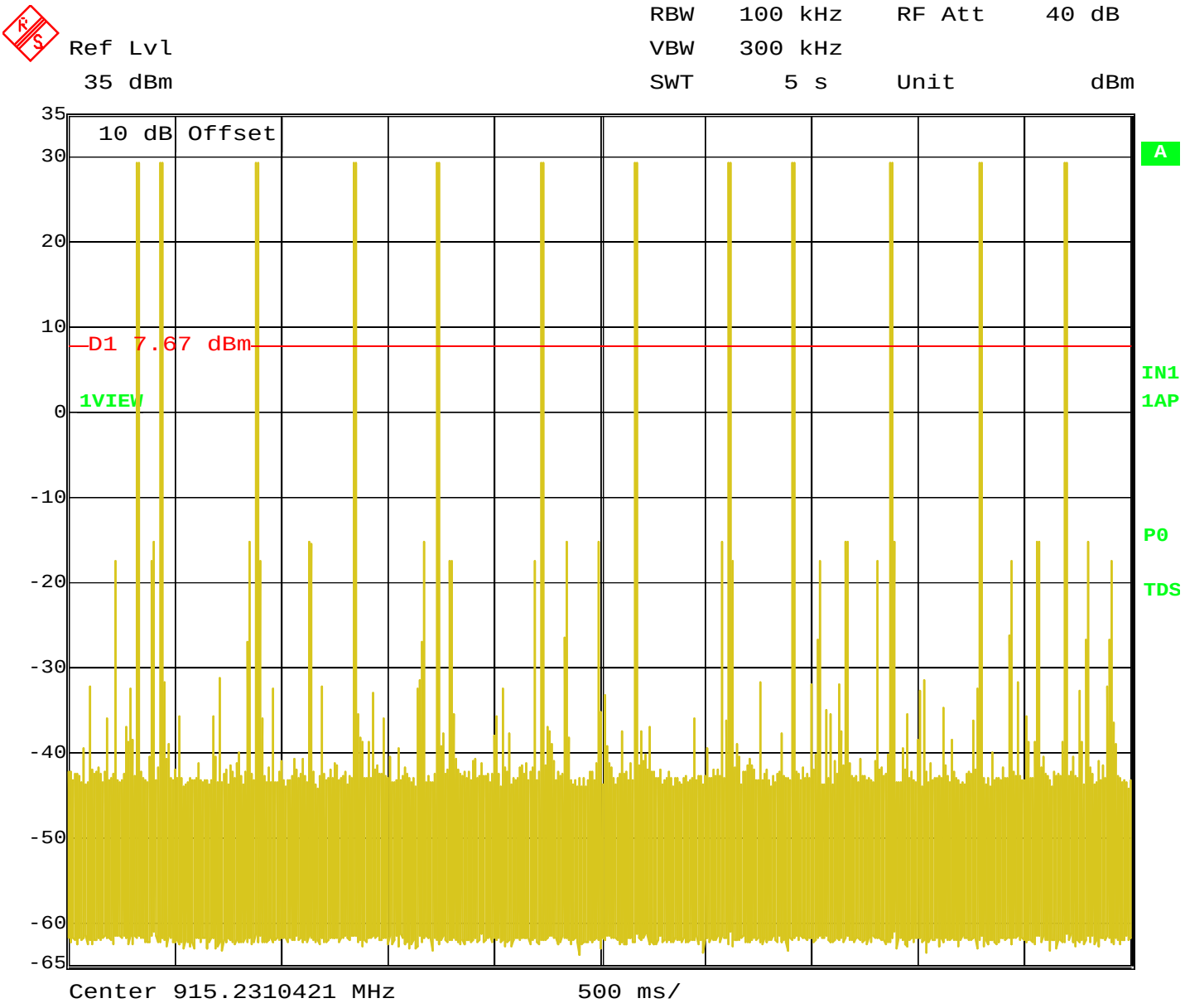


Date: 25.SEP.2012 10:36:19

Number of Pulses in 5 Seconds = 12
Total Number of Pulses in 10 Seconds = 24
Time of Occupancy = 6.813627 mS * 24 = 163.527048 mS
Limit = 400 mS in a 10 Second Period
eNode Only



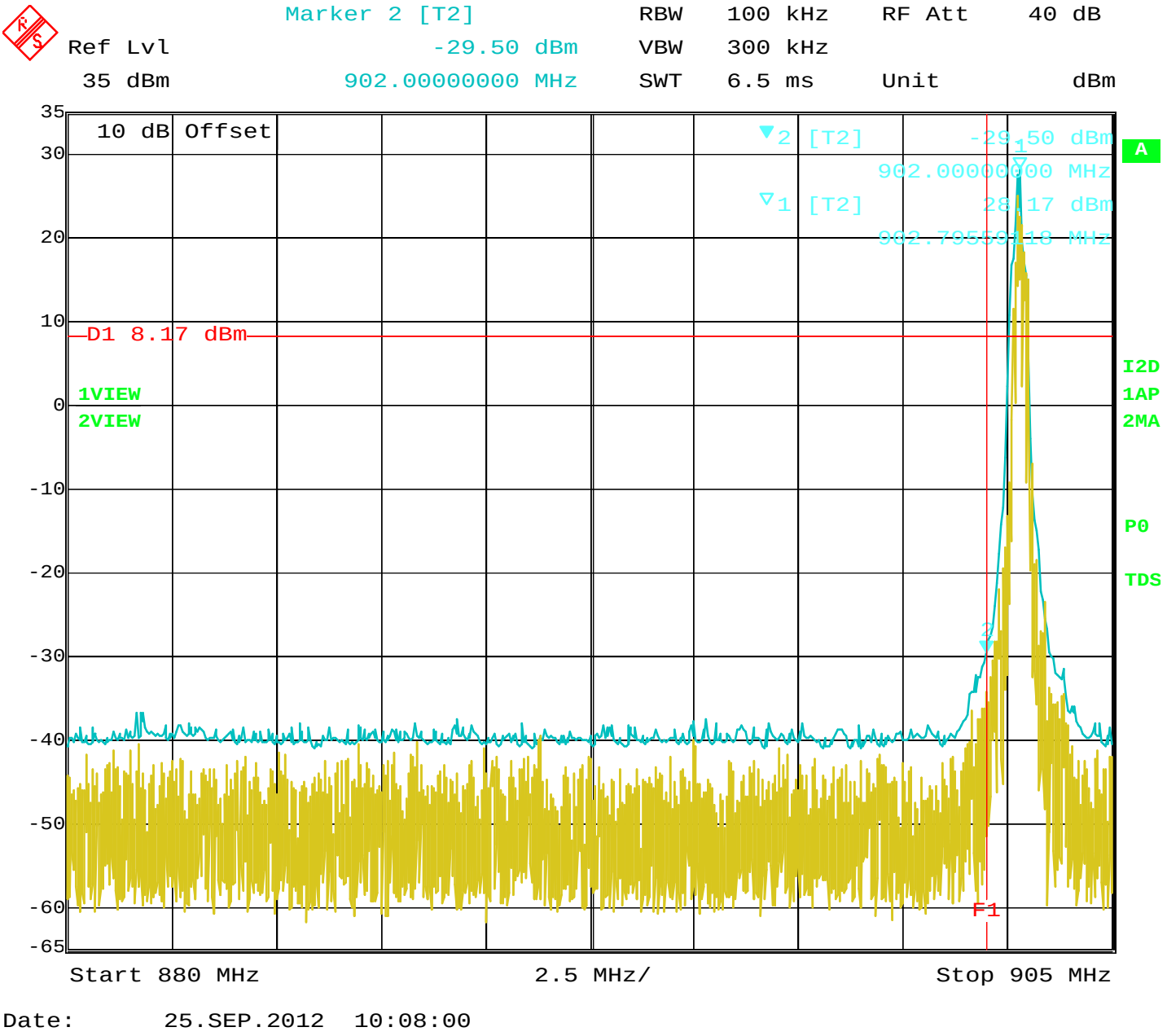
Time of One Pulse = 8.176353 mS – eNode with RF eXpander



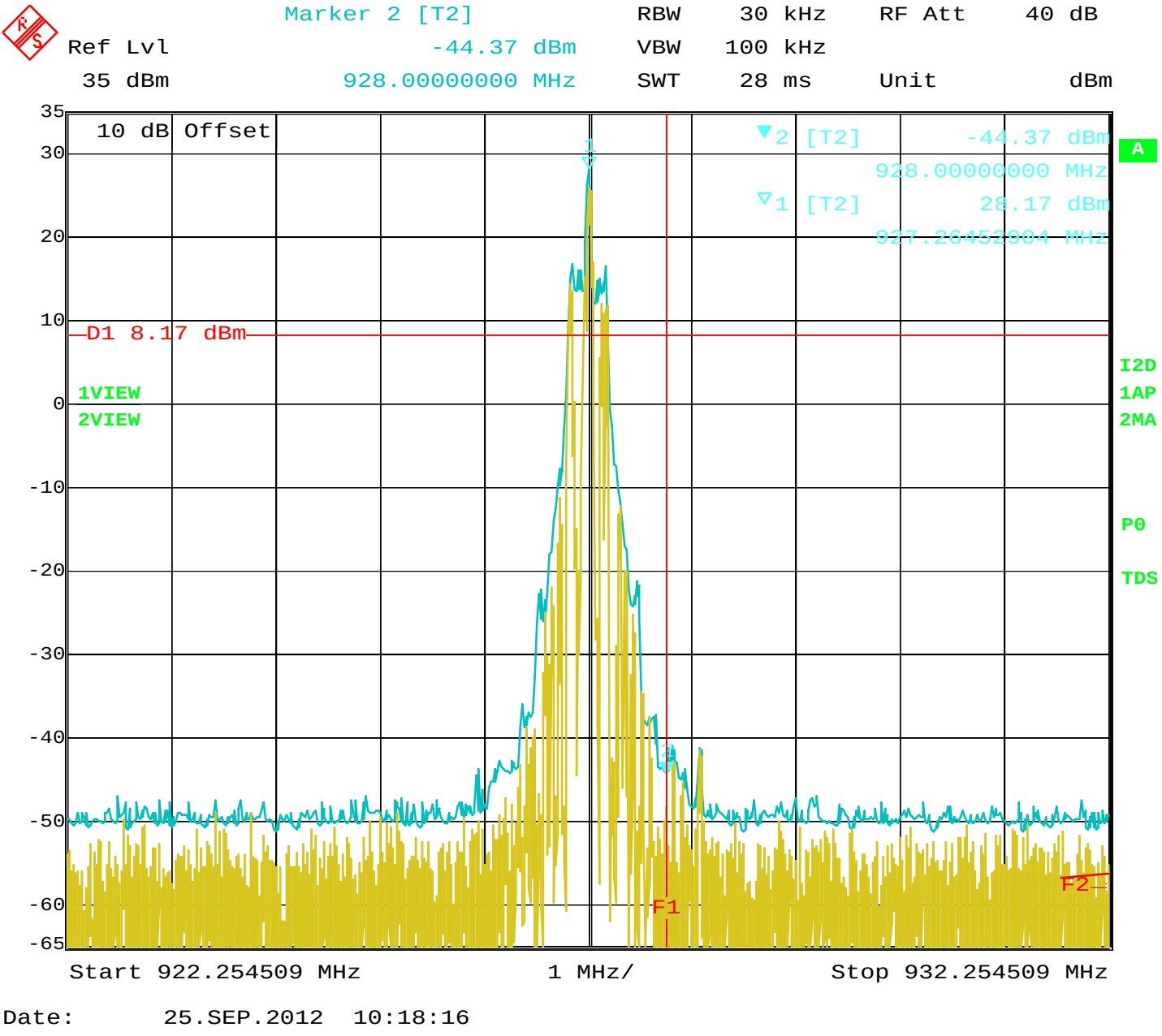
Number of Pulses in 5 Seconds = 12
Total Number of Pulses in 10 Seconds = 24
Time of Occupancy = 8.176353 mS * 24 = 196.232472 mS
Limit = 400 mS in a 10 Second Period
eNode with eMux

BAND EDGES

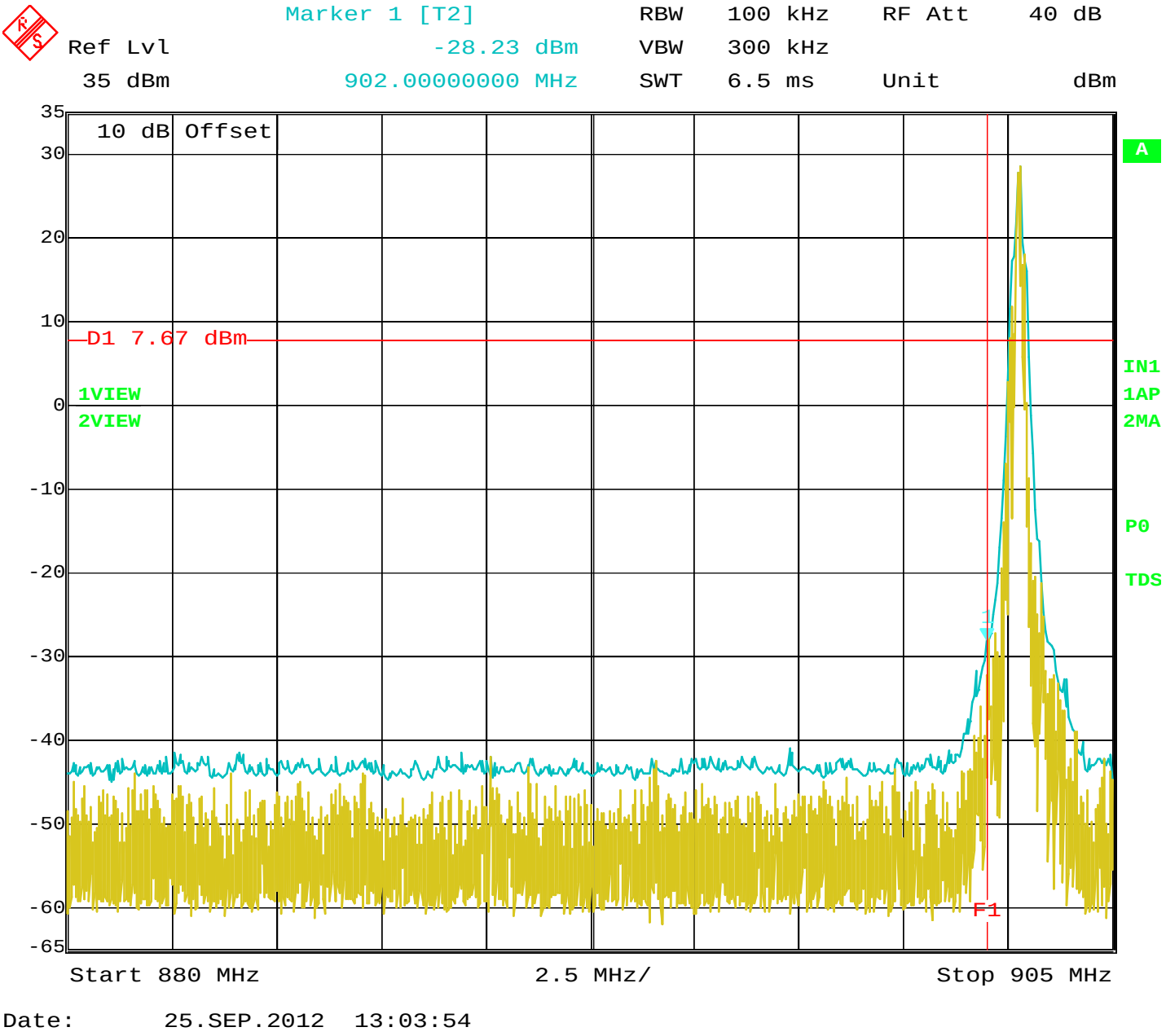
DATA SHEETS



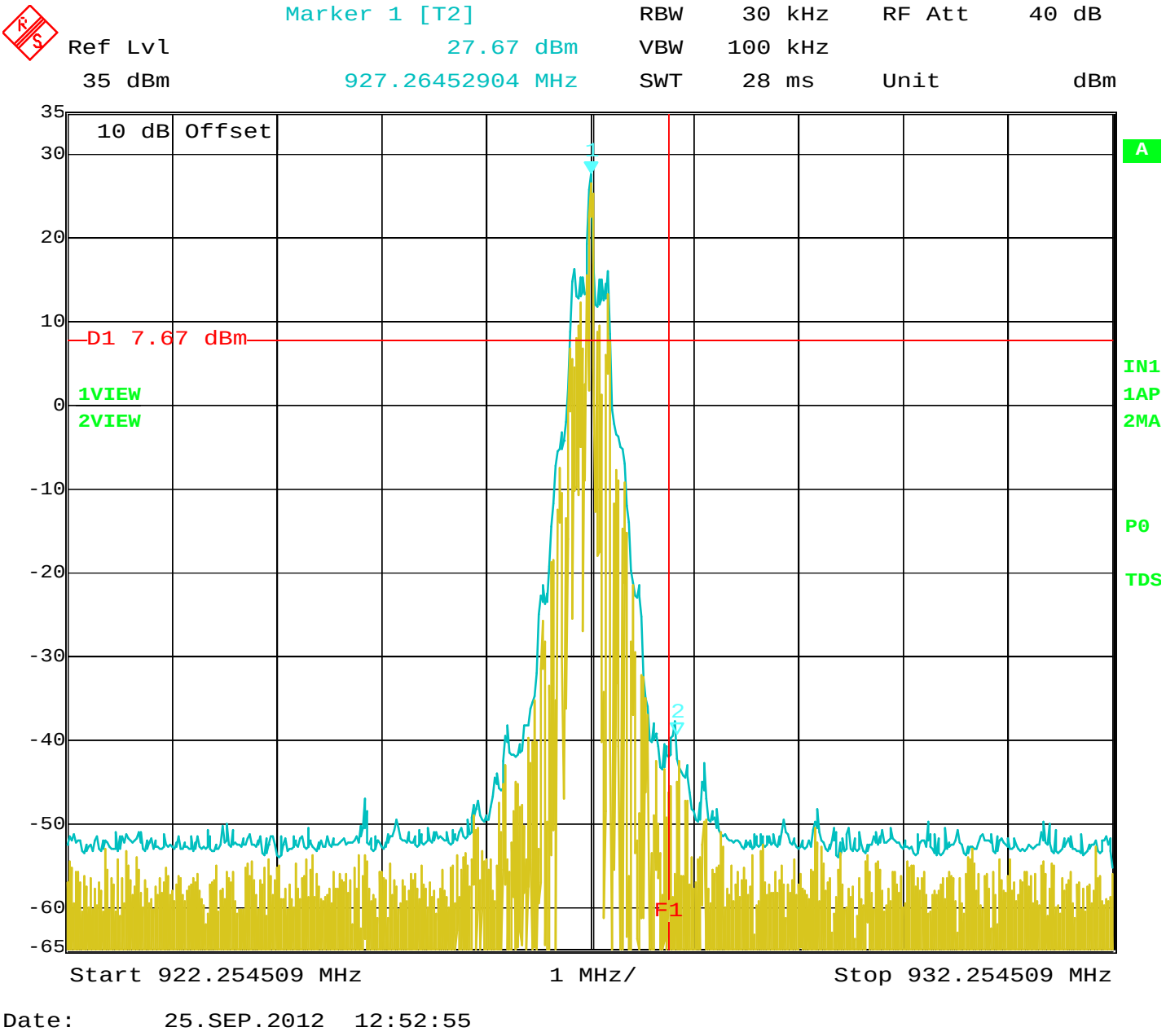
Band Edge – Low Channel – eNode Only



Band Edge – High Channel – eNode Only



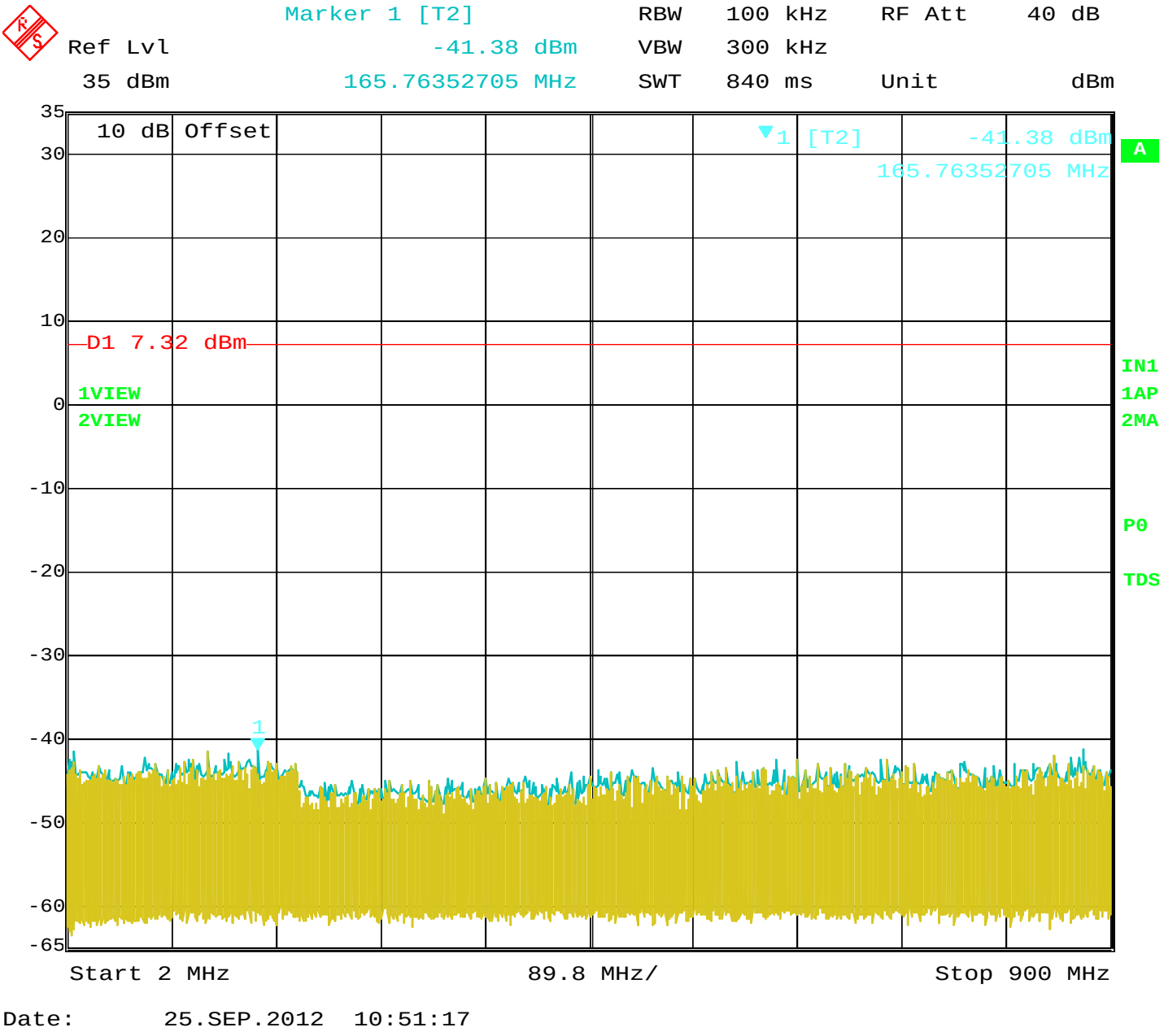
Band Edge – Low Channel – eNode with RF eXpander



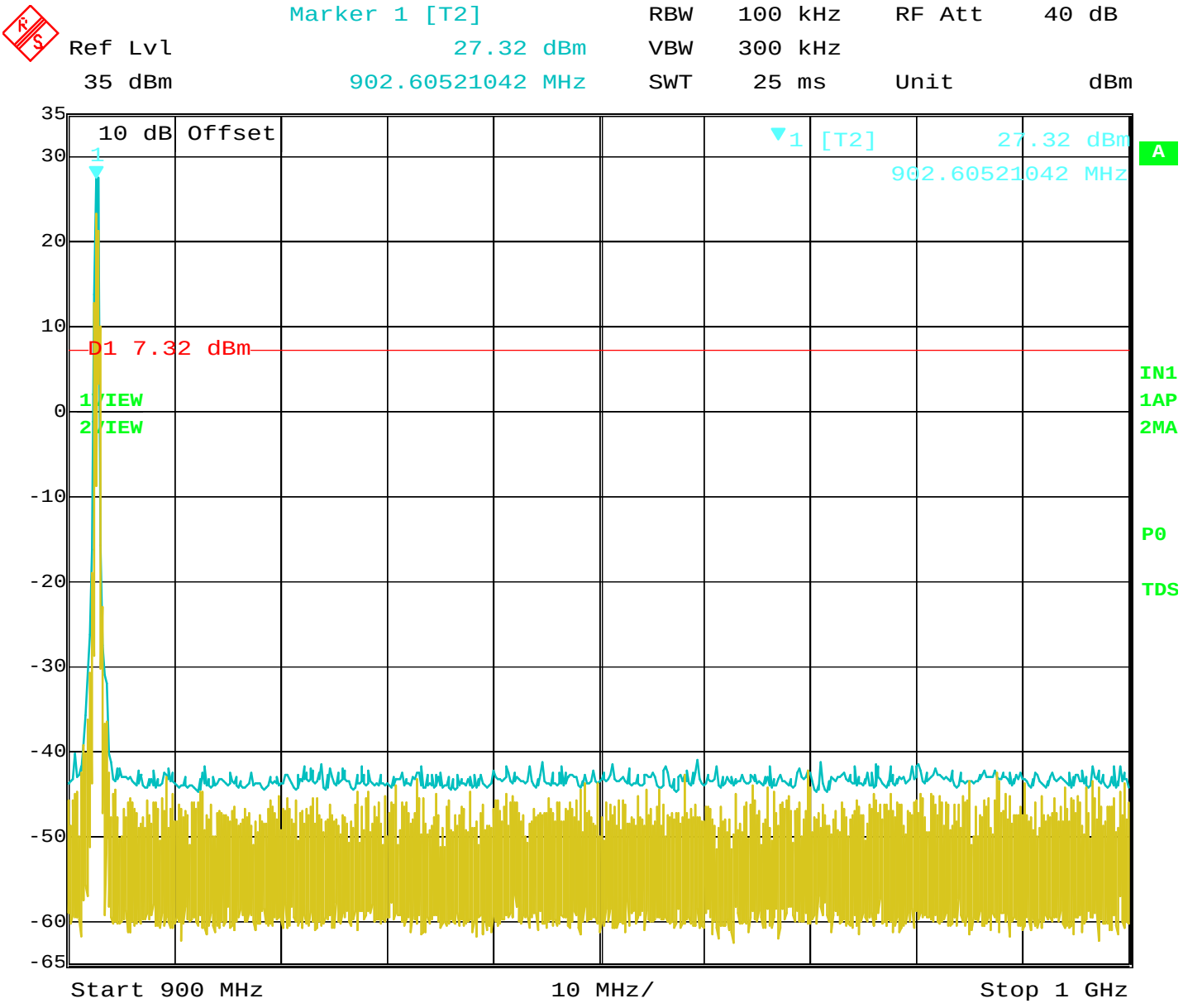
Band Edge – High Channel – eNode with RF eXpander

RF ANTENNA CONDUCTED

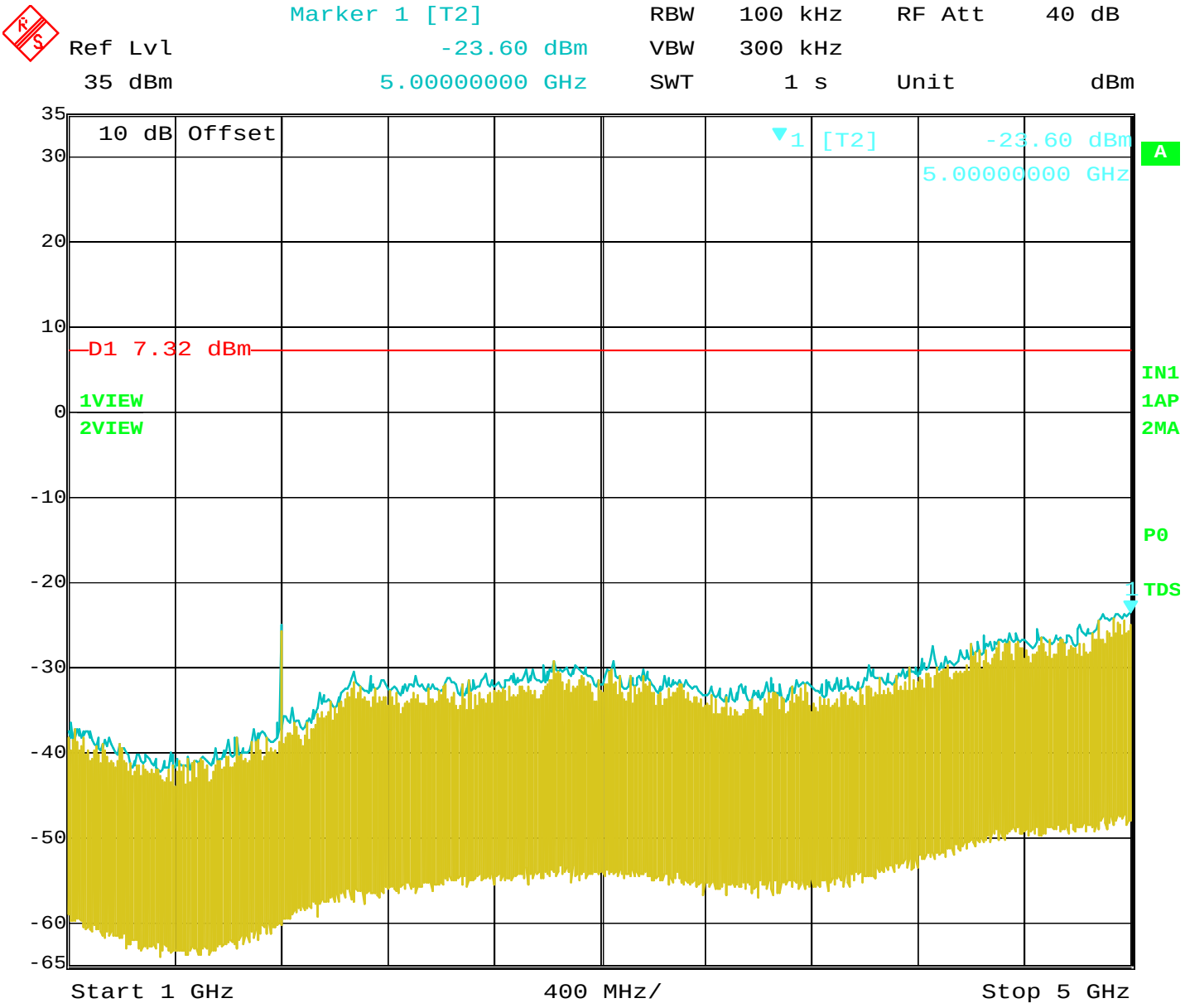
DATA SHEETS



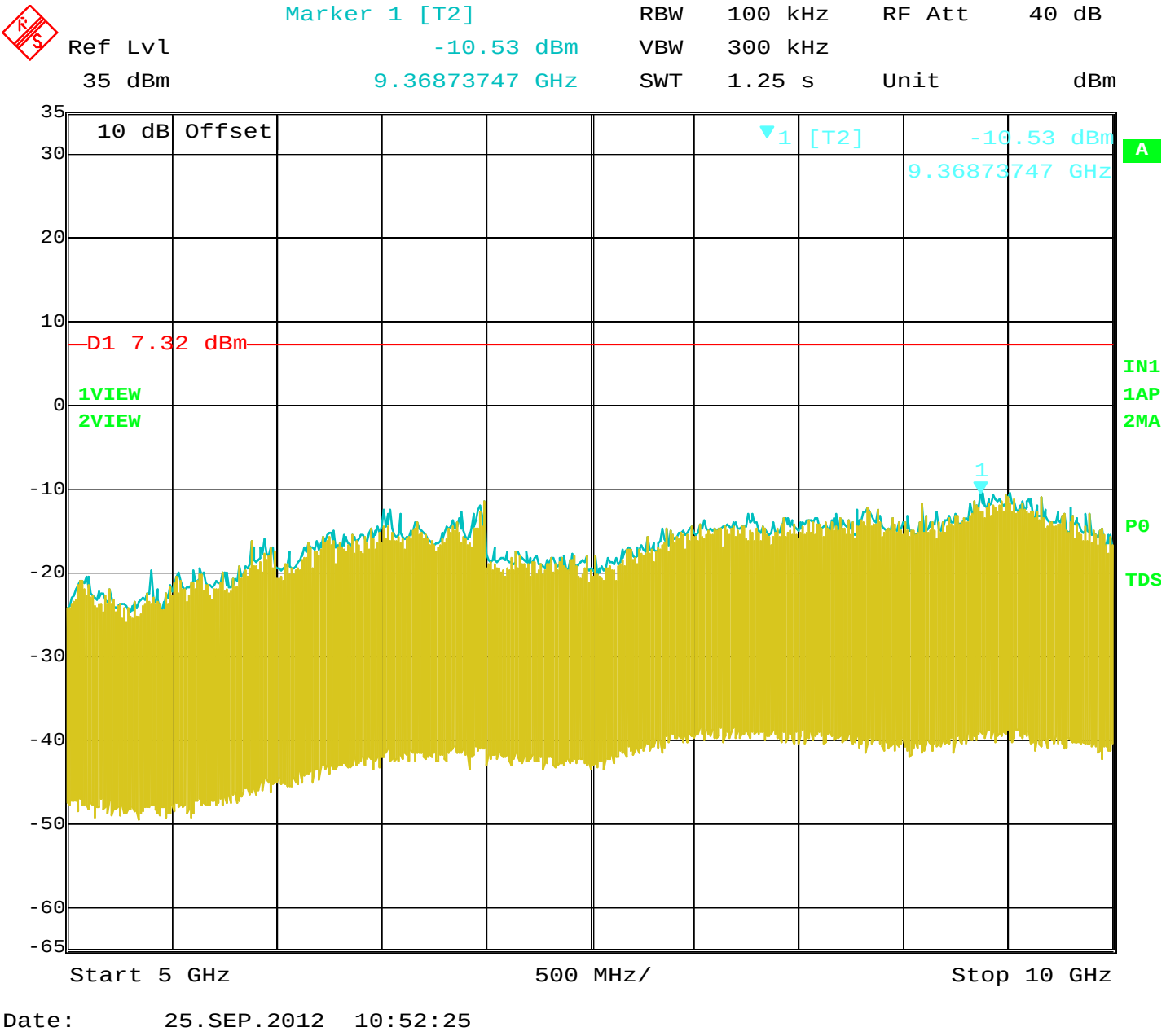
RF Antenna Conducted Test – Low Channel – 2 MHz to 900 MHz – eNode Only



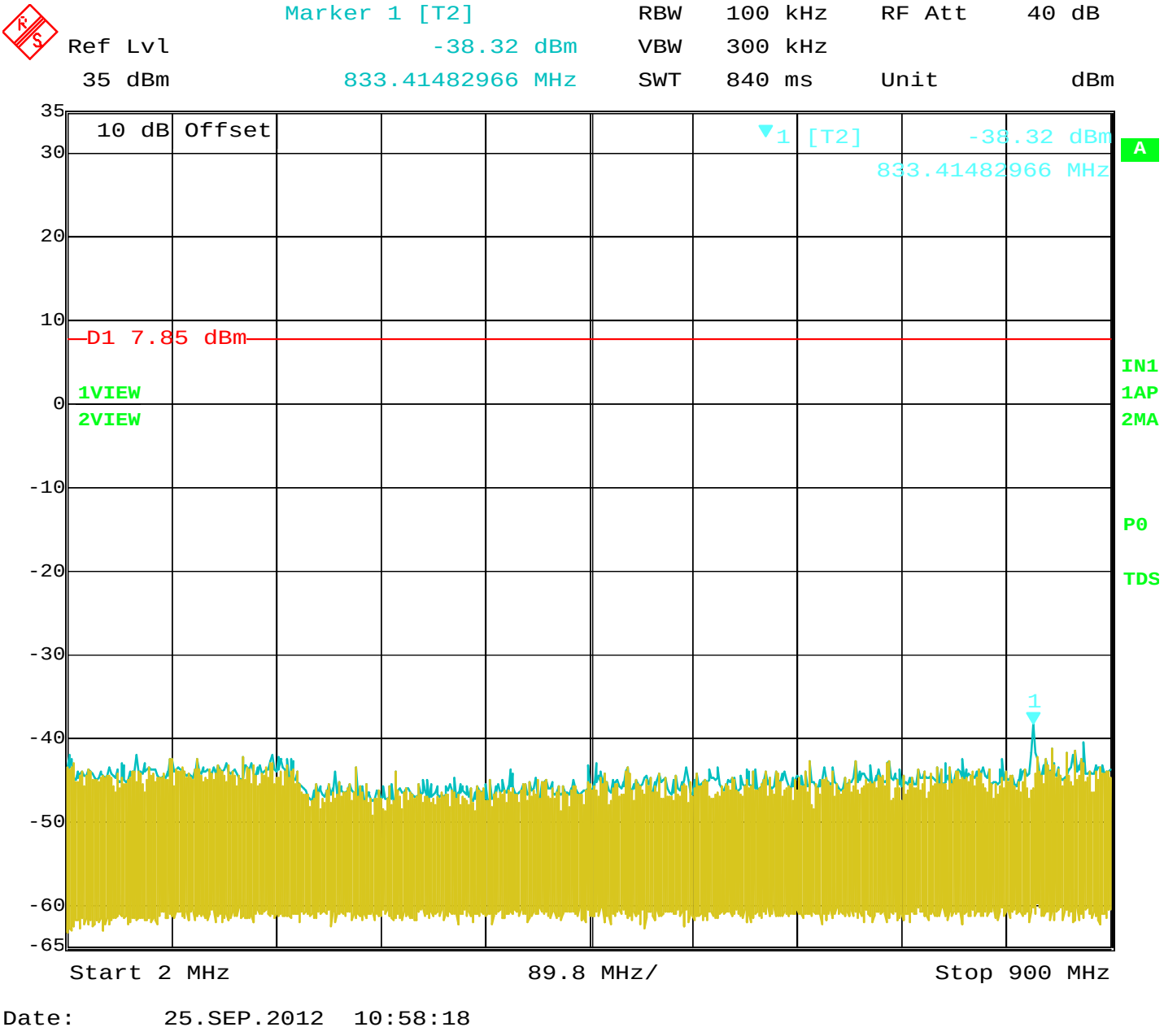
RF Antenna Conducted Test – Low Channel – 900 MHz to 1 GHz – eNode Only



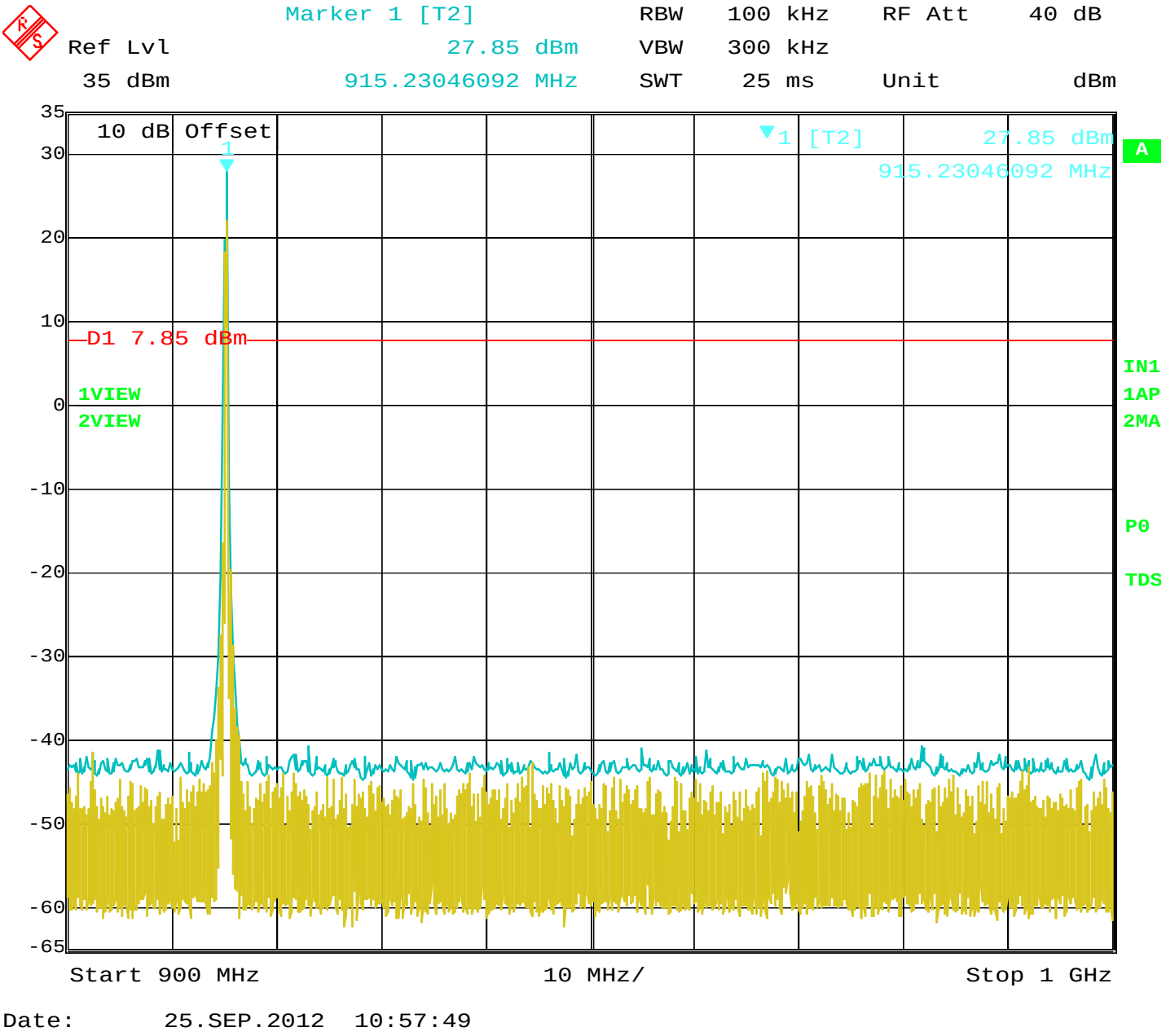
RF Antenna Conducted Test – Low Channel – 1 GHz to 5 GHz – eNode Only



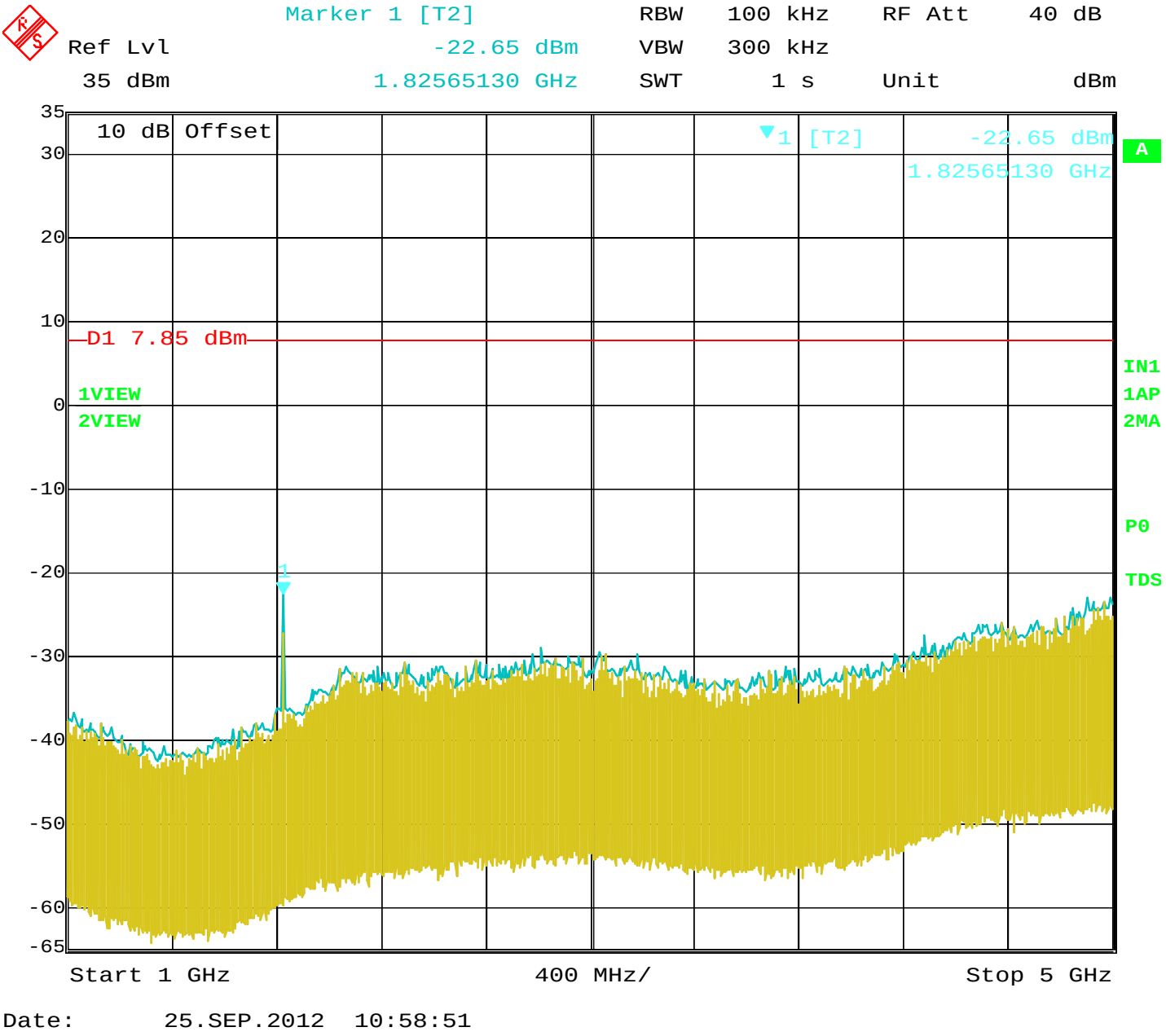
RF Antenna Conducted Test – Low Channel – 5 GHz to 10 GHz – eNode Only



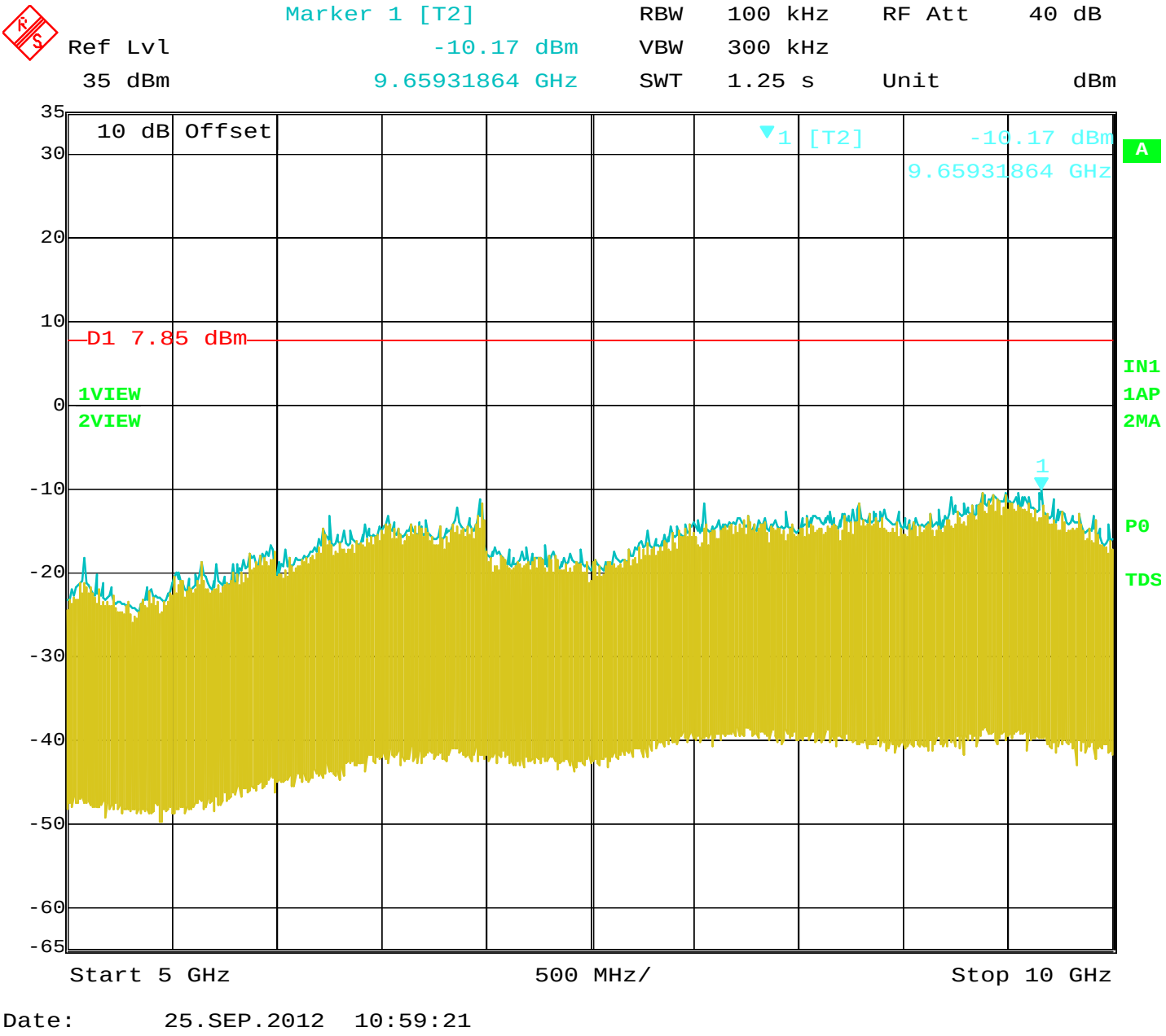
RF Antenna Conducted Test – Middle Channel – 2 MHz to 900 MHz – eNode Only



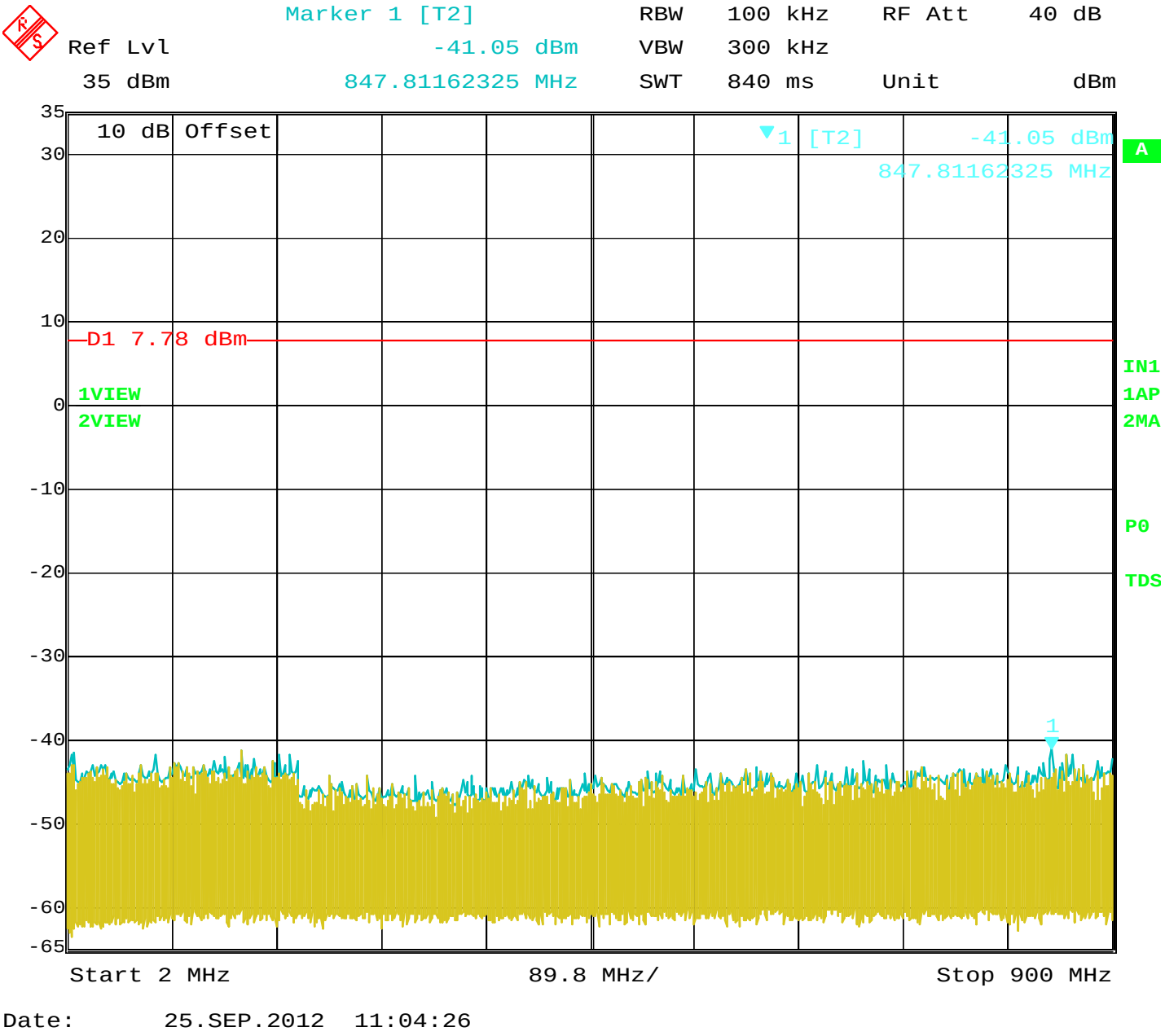
RF Antenna Conducted Test – Middle Channel – 900 MHz to 1 GHz – eNode Only



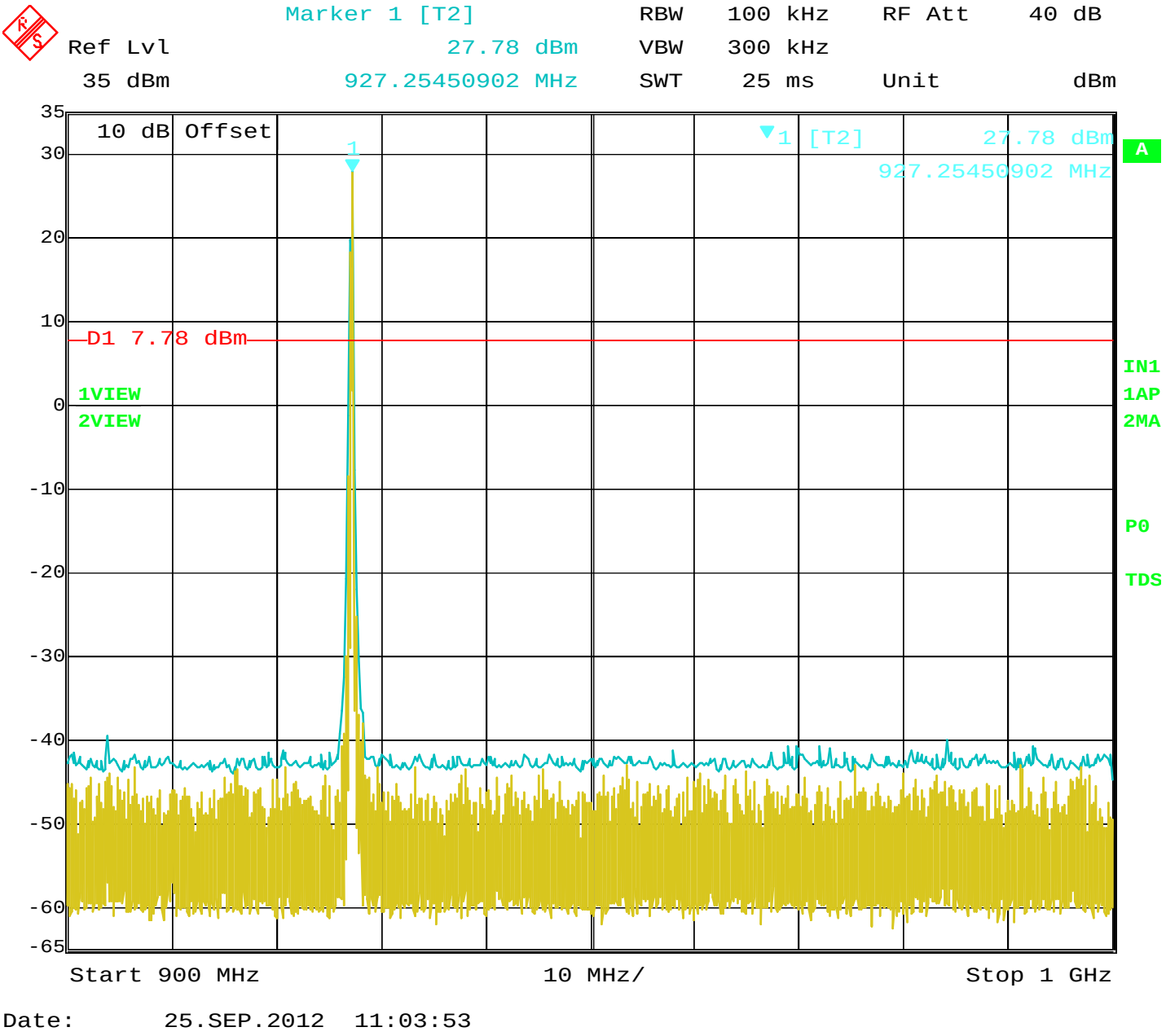
RF Antenna Conducted Test – Middle Channel – 1 GHz to 5 GHz – eNode Only



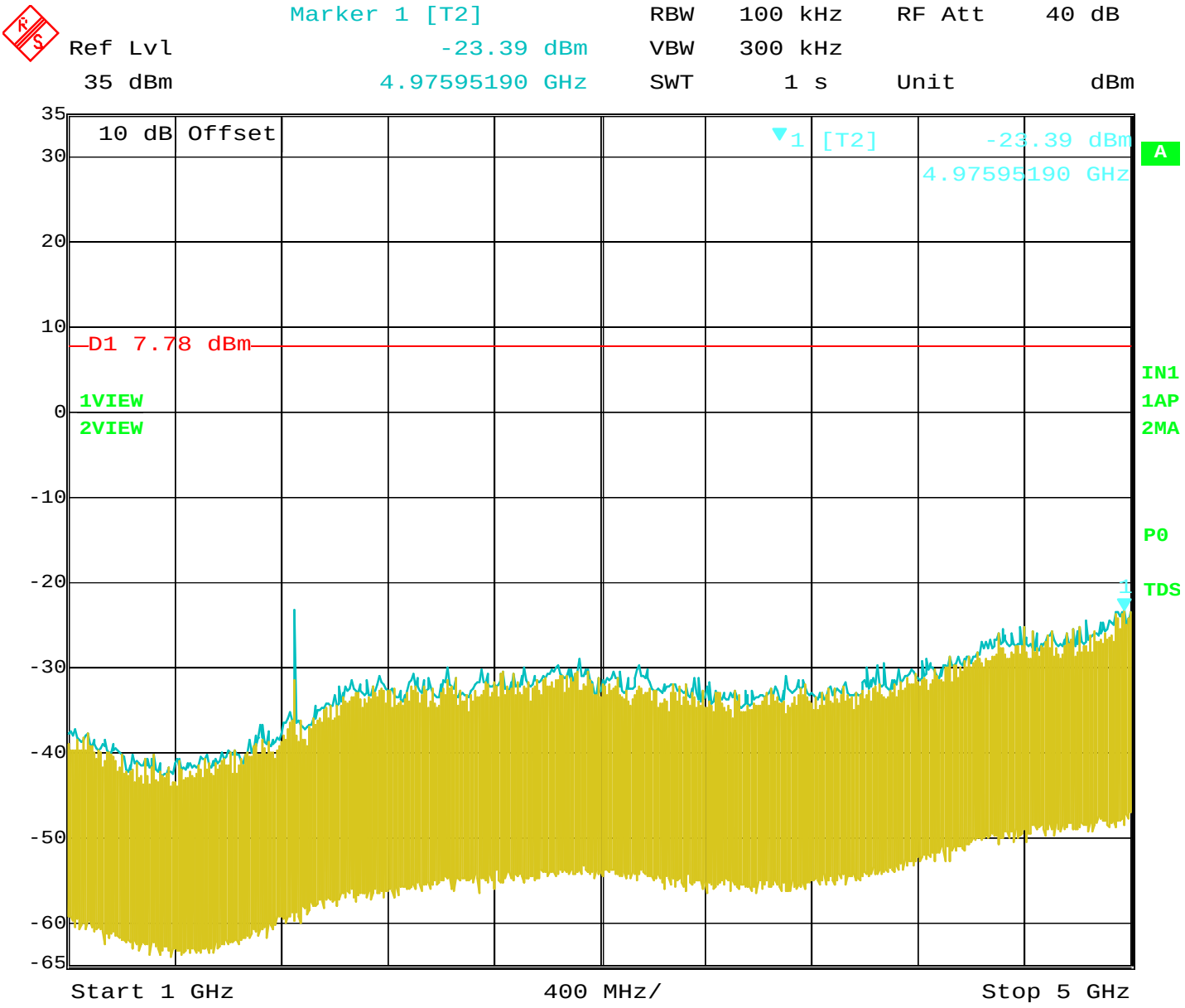
RF Antenna Conducted Test – Middle Channel – 5 GHz to 10 GHz – eNode Only



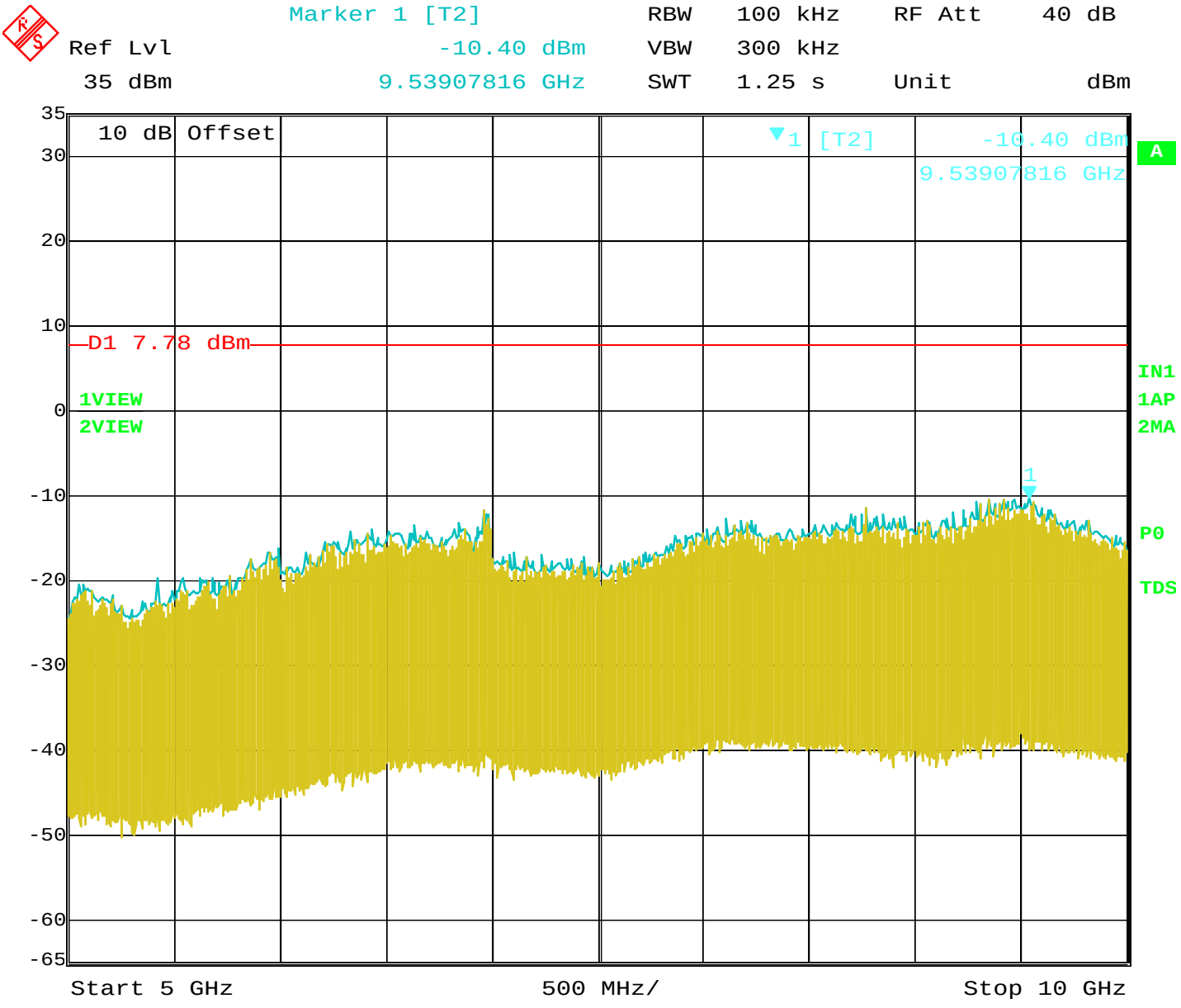
RF Antenna Conducted Test – High Channel – 2 MHz to 900 MHz – eNode Only



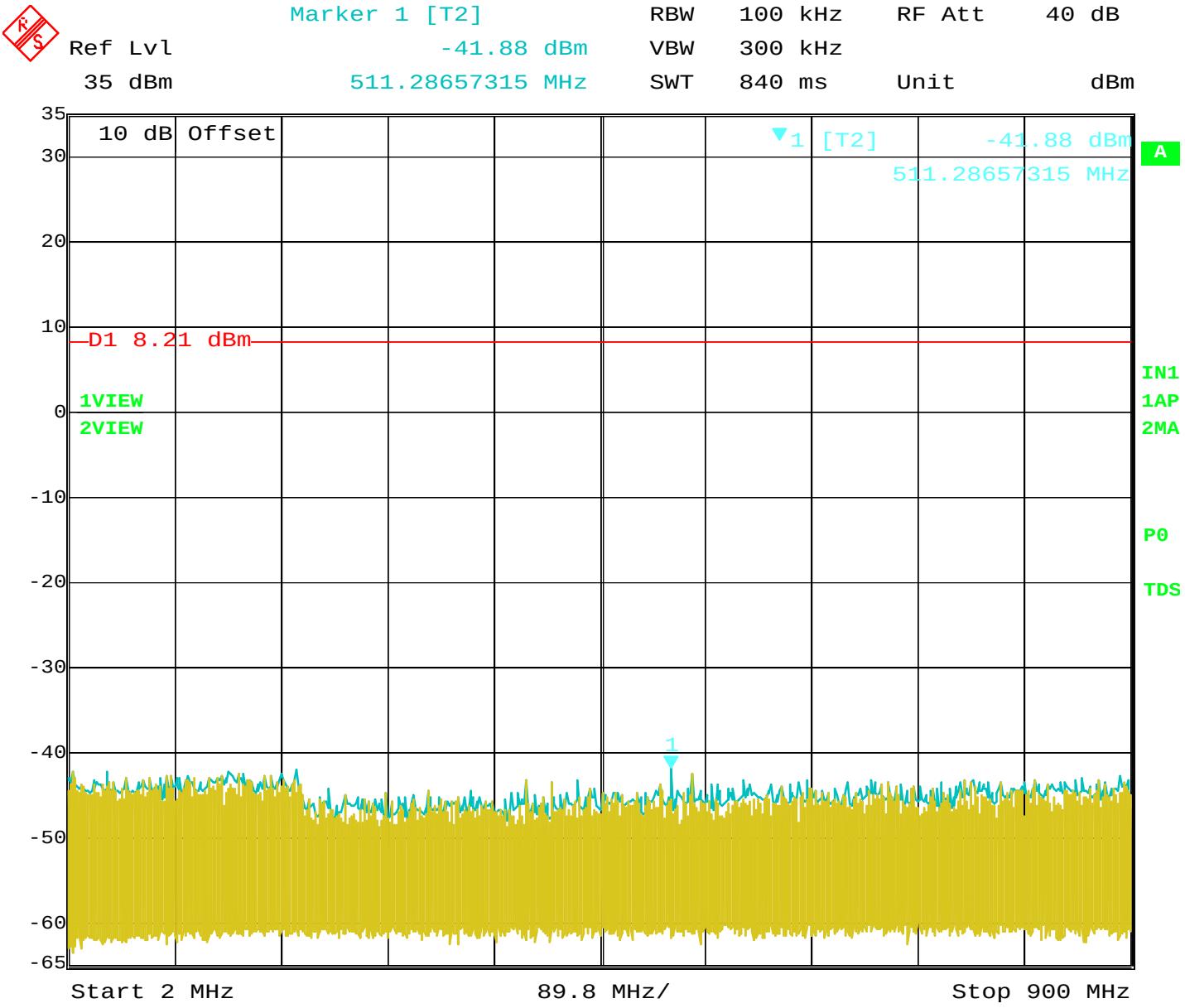
RF Antenna Conducted Test – High Channel – 900 MHz to 1 GHz – eNode Only



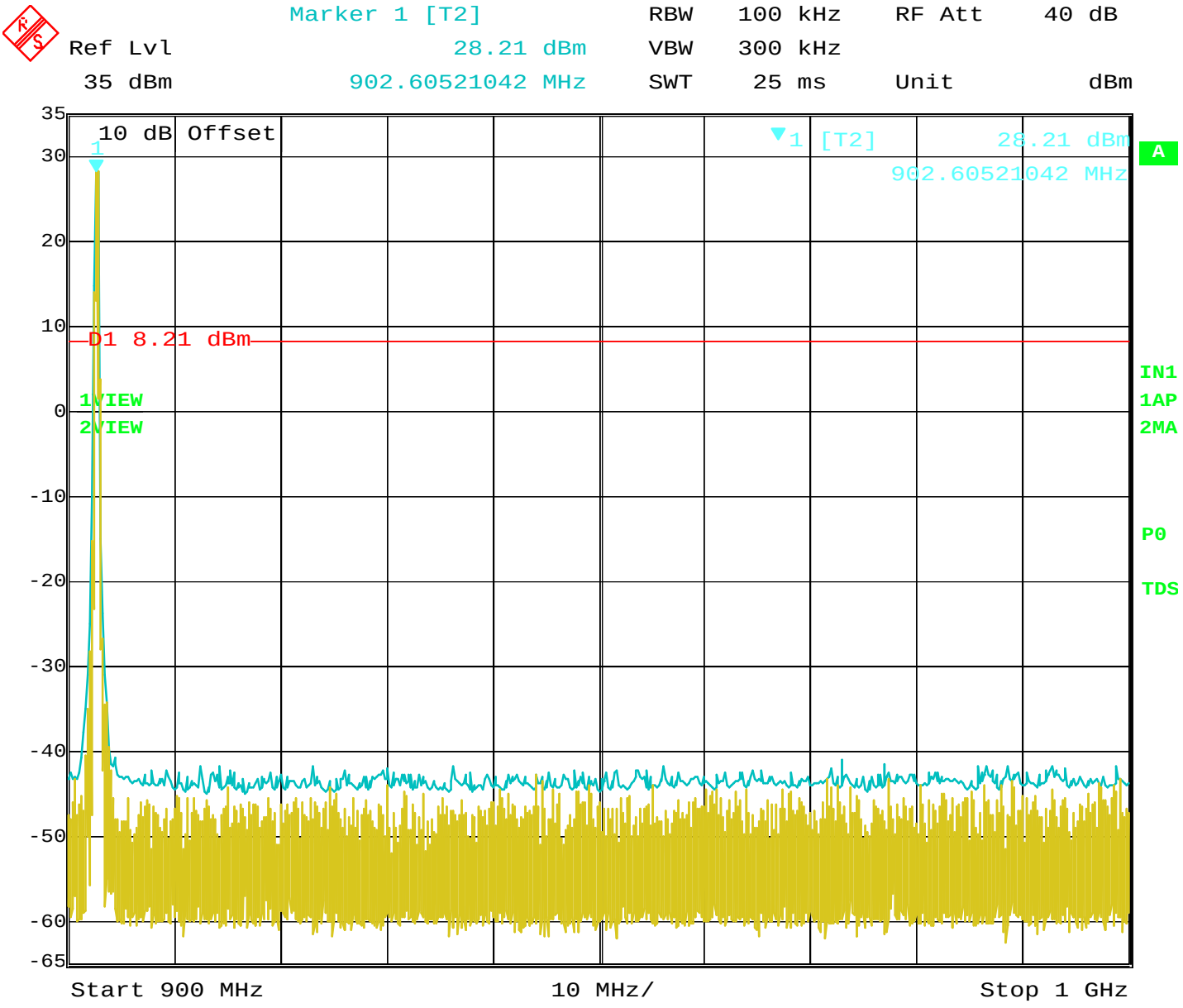
RF Antenna Conducted Test – High Channel – 1 GHz to 5 GHz – eNode Only



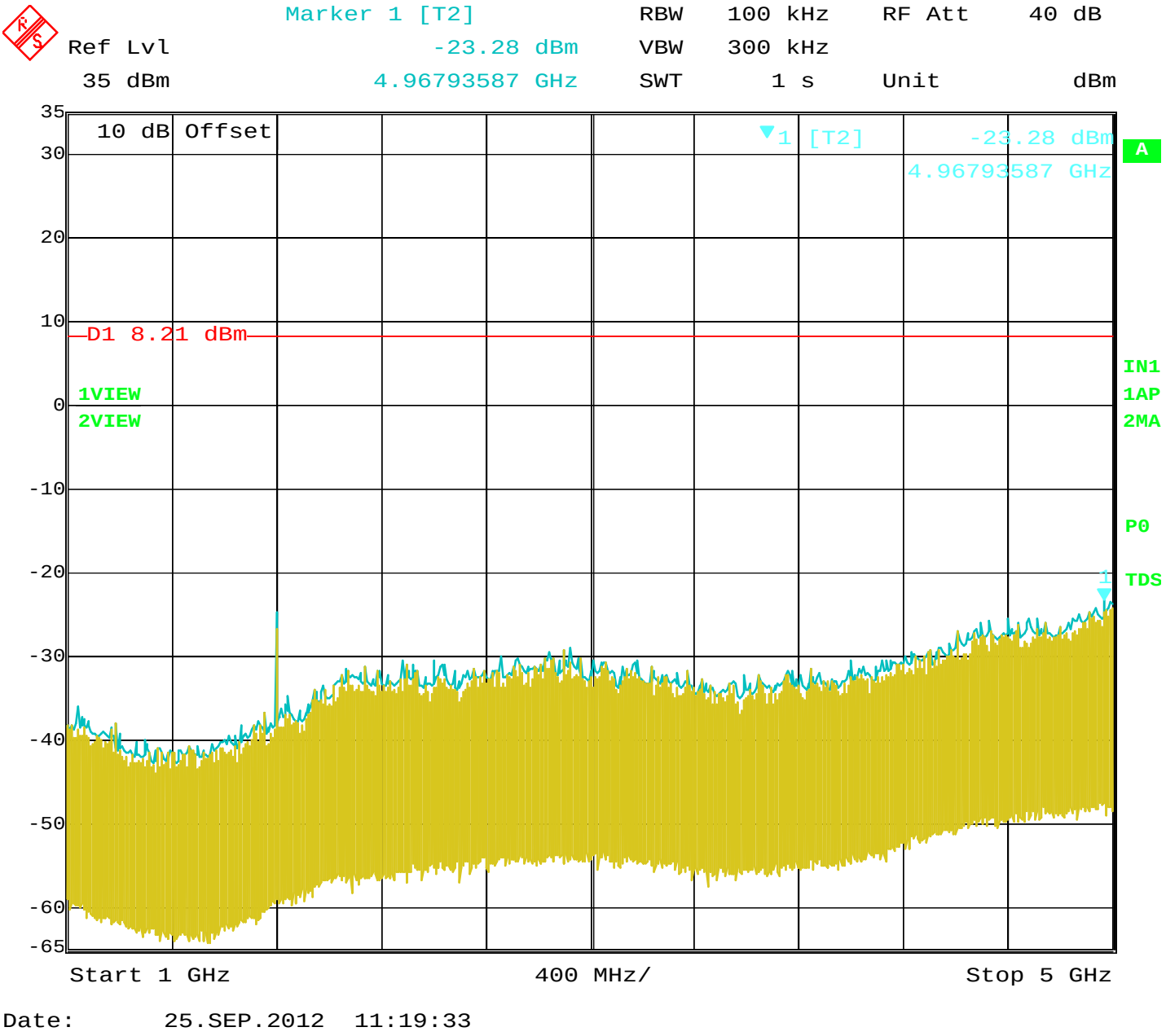
RF Antenna Conducted Test – High Channel – 5 GHz to 10 GHz – eNode Only



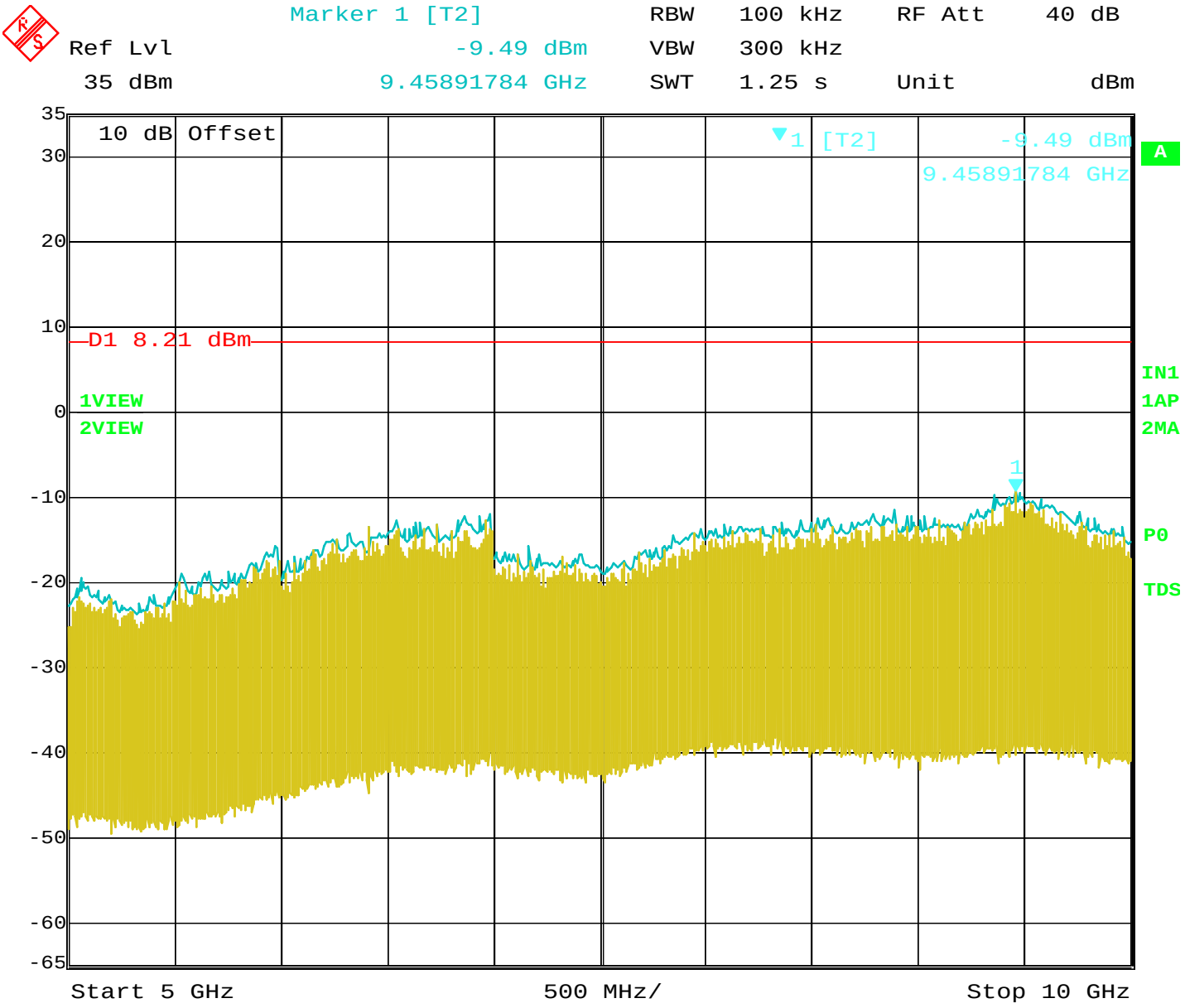
RF Antenna Conducted Test – Low Channel – 2 MHz to 900 MHz – eNode with RF eXpander



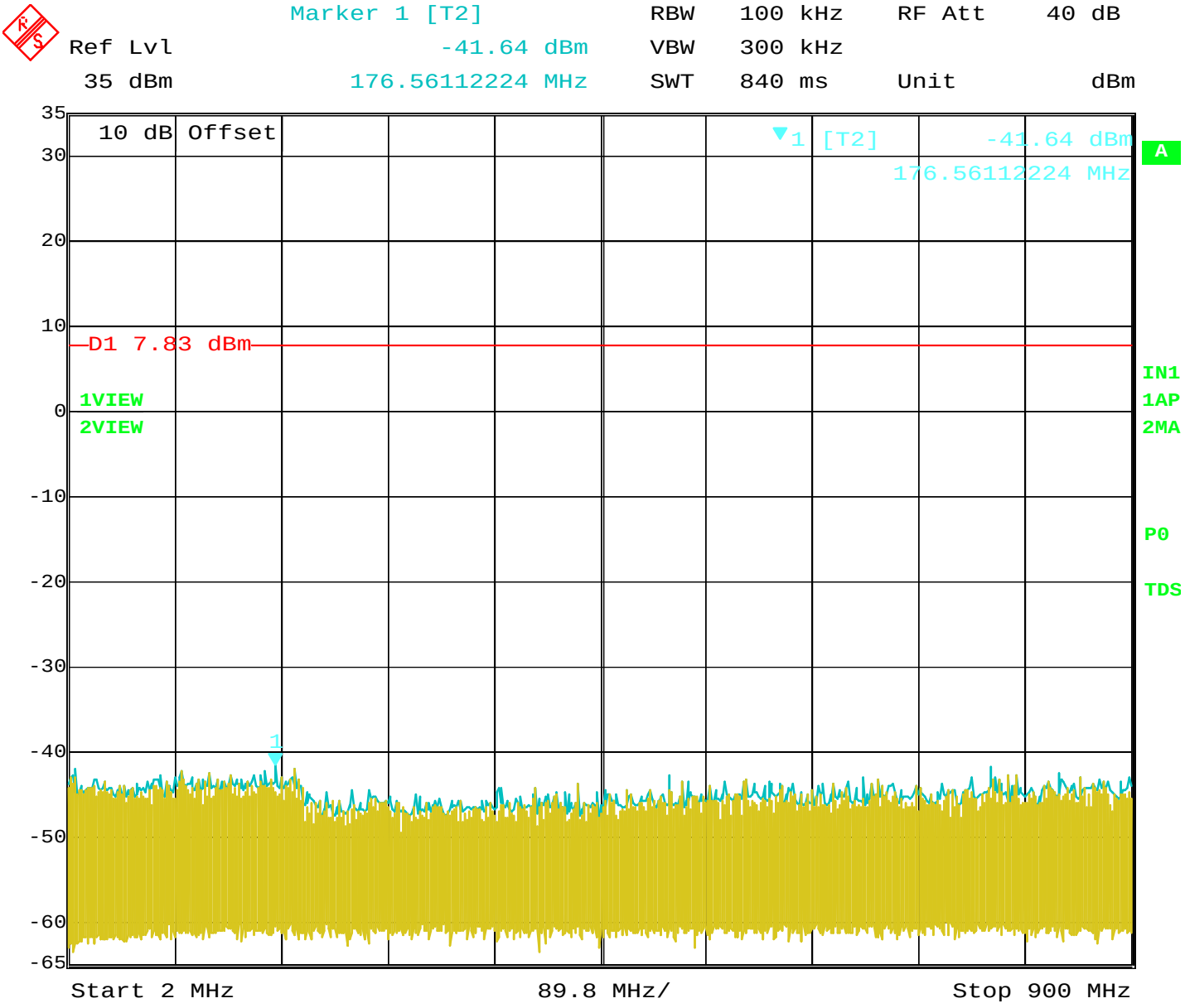
RF Antenna Conducted Test – Low Channel – 900 MHz to 1 GHz – eNode with RF eXpander



RF Antenna Conducted Test – Low Channel – 1 GHz to 5 GHz – eNode with RF eXpander

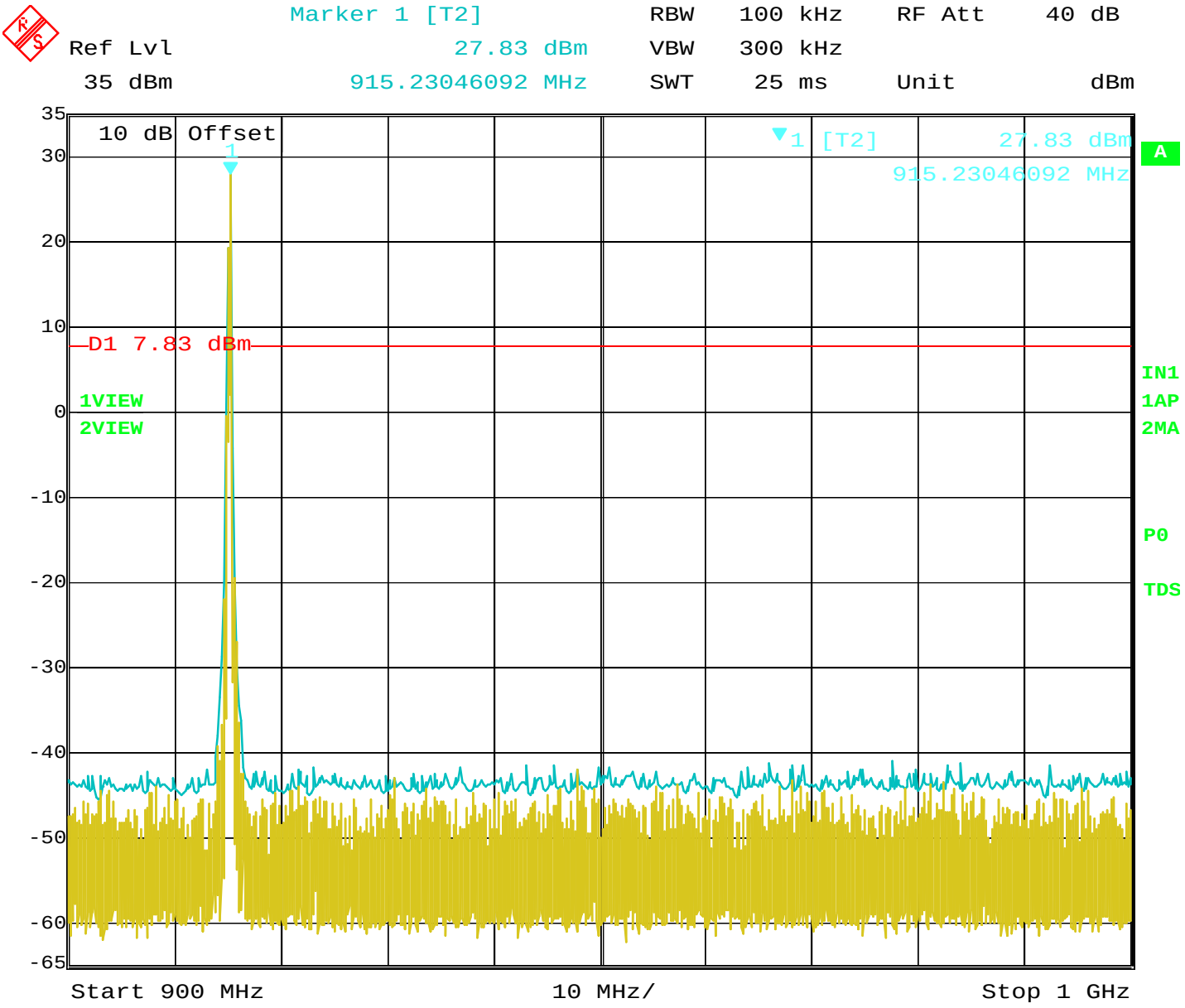


RF Antenna Conducted Test – Low Channel – 5 GHz to 10 GHz – eNode with RF eXpander



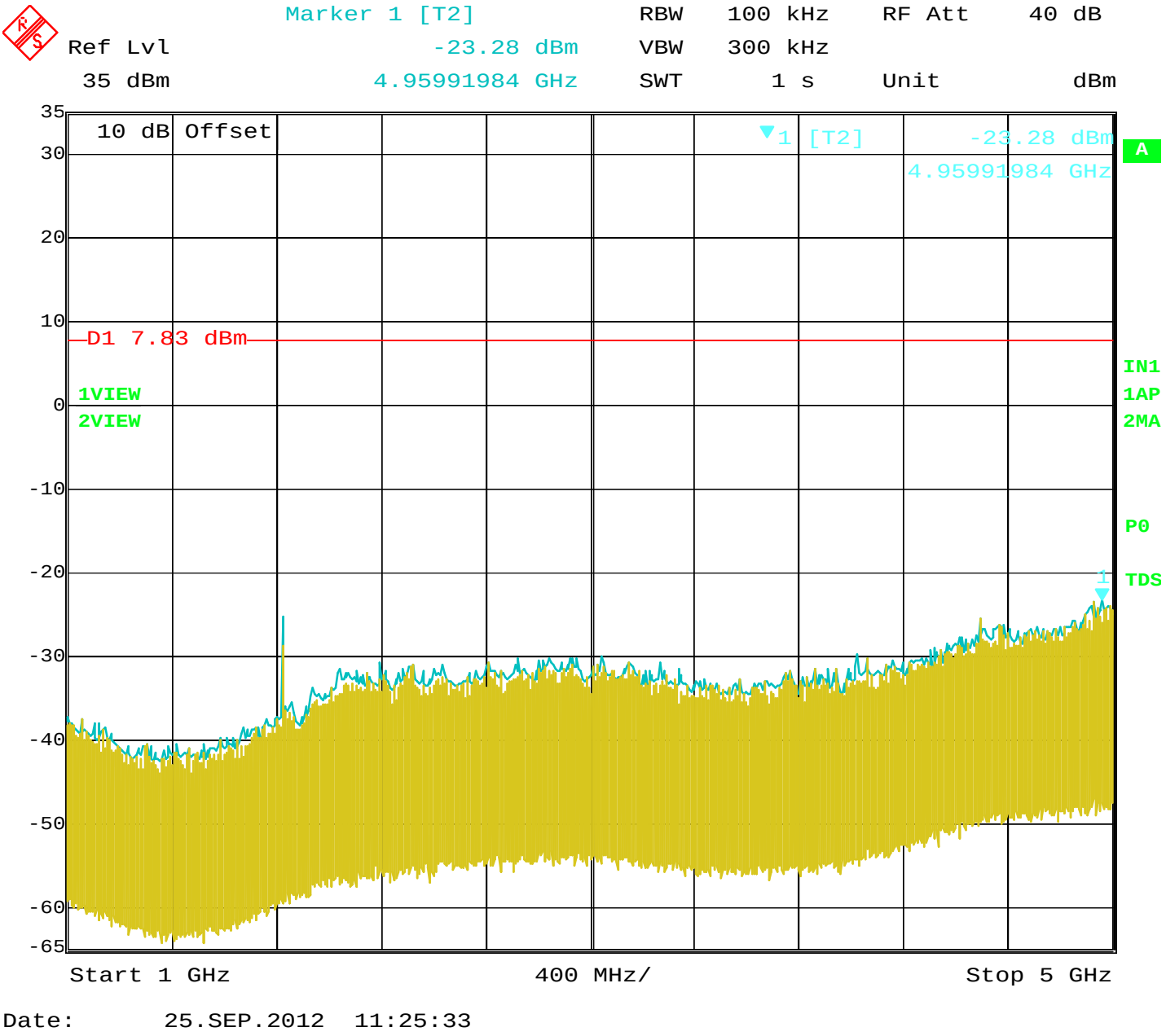
Date: 25.SEP.2012 11:25:06

RF Antenna Conducted Test – Middle Channel – 2 MHz to 900 MHz – eNode with RF eXpander

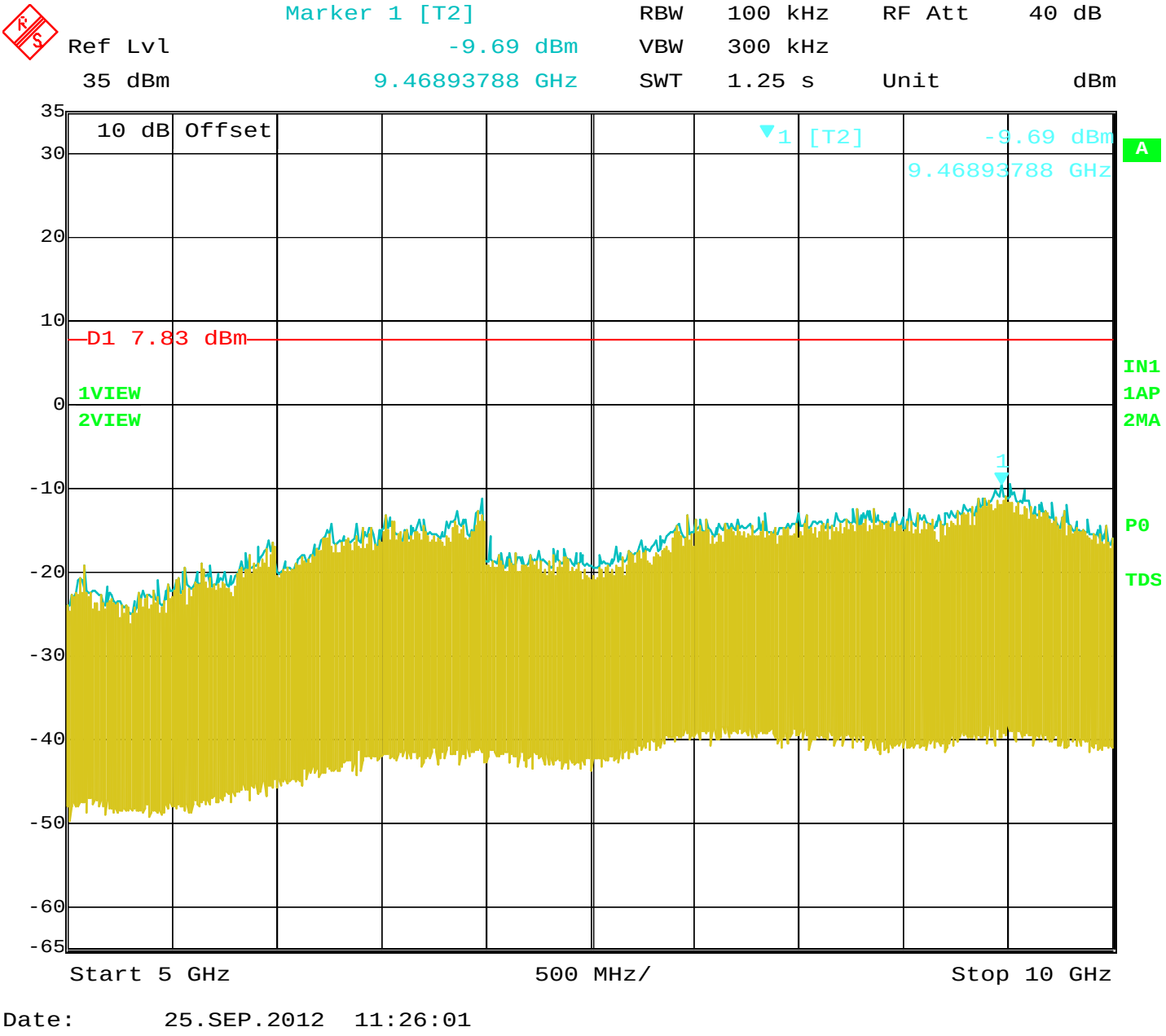


Date: 25.SEP.2012 11:24:38

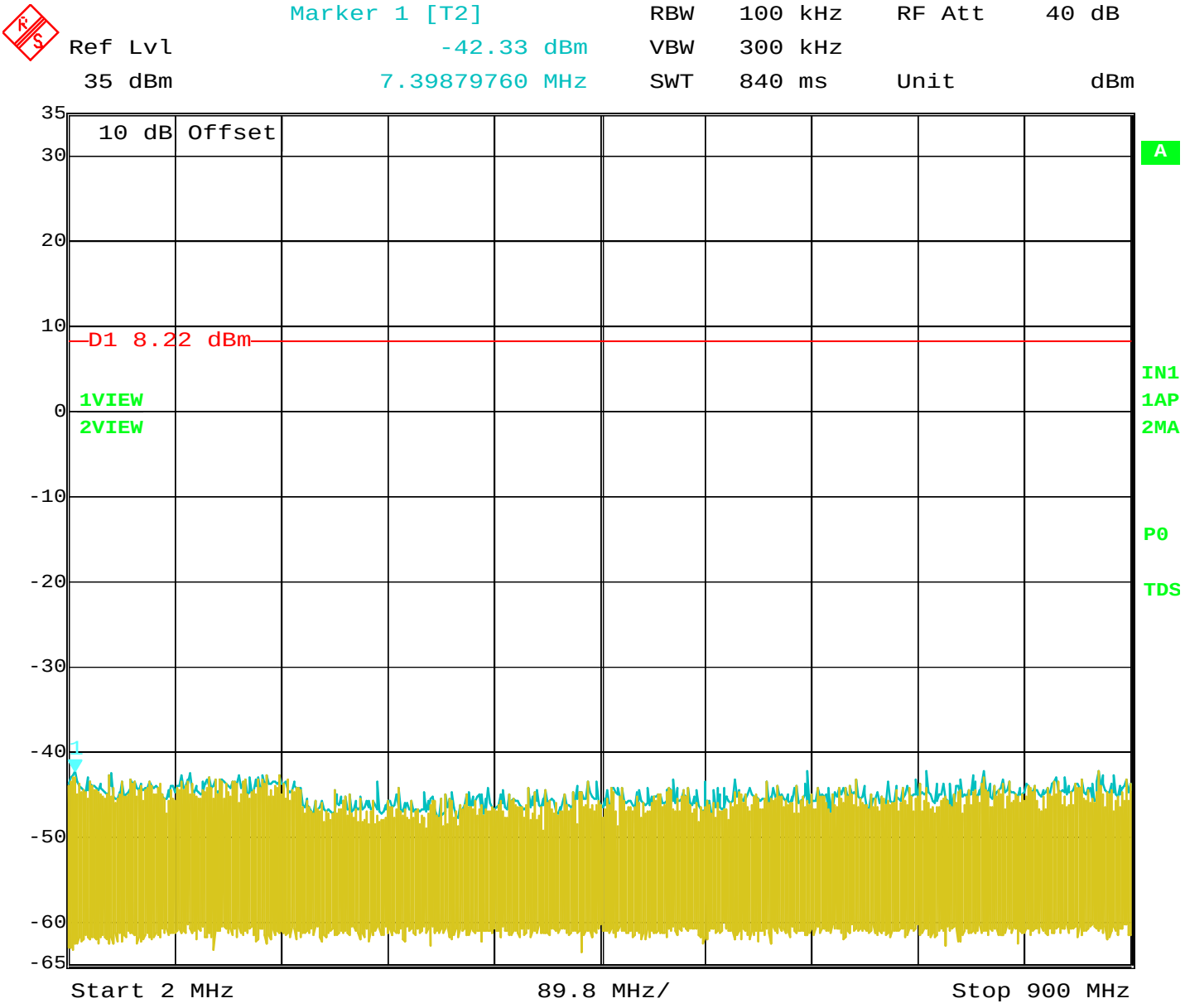
RF Antenna Conducted Test – Middle Channel – 900 MHz to 1 GHz – eNode with RF eXpander



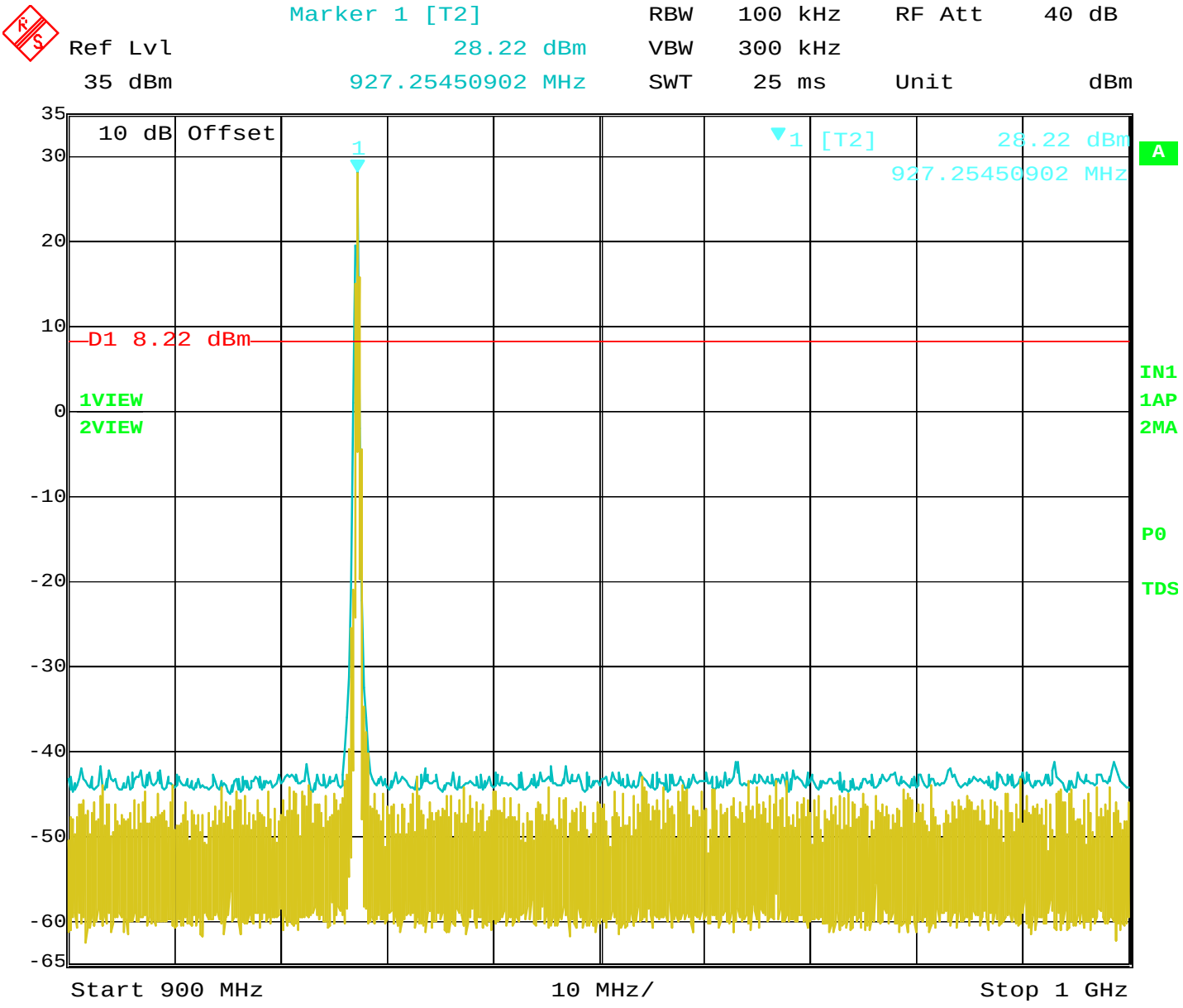
RF Antenna Conducted Test – Middle Channel – 1 GHz to 5 GHz – eNode with RF eXpander



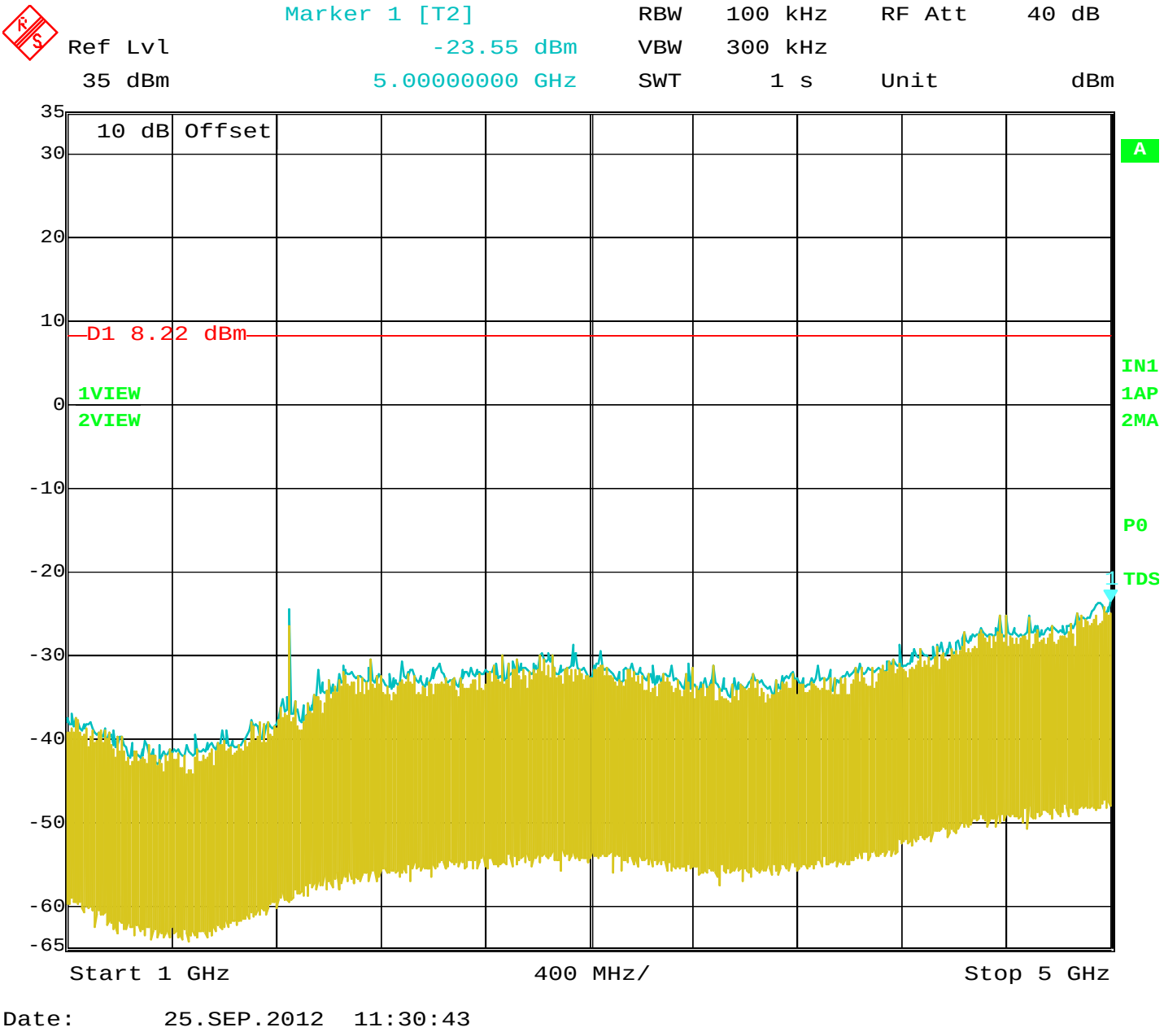
RF Antenna Conducted Test – Middle Channel – 5 GHz to 10 GHz – eNode with RF eXpander



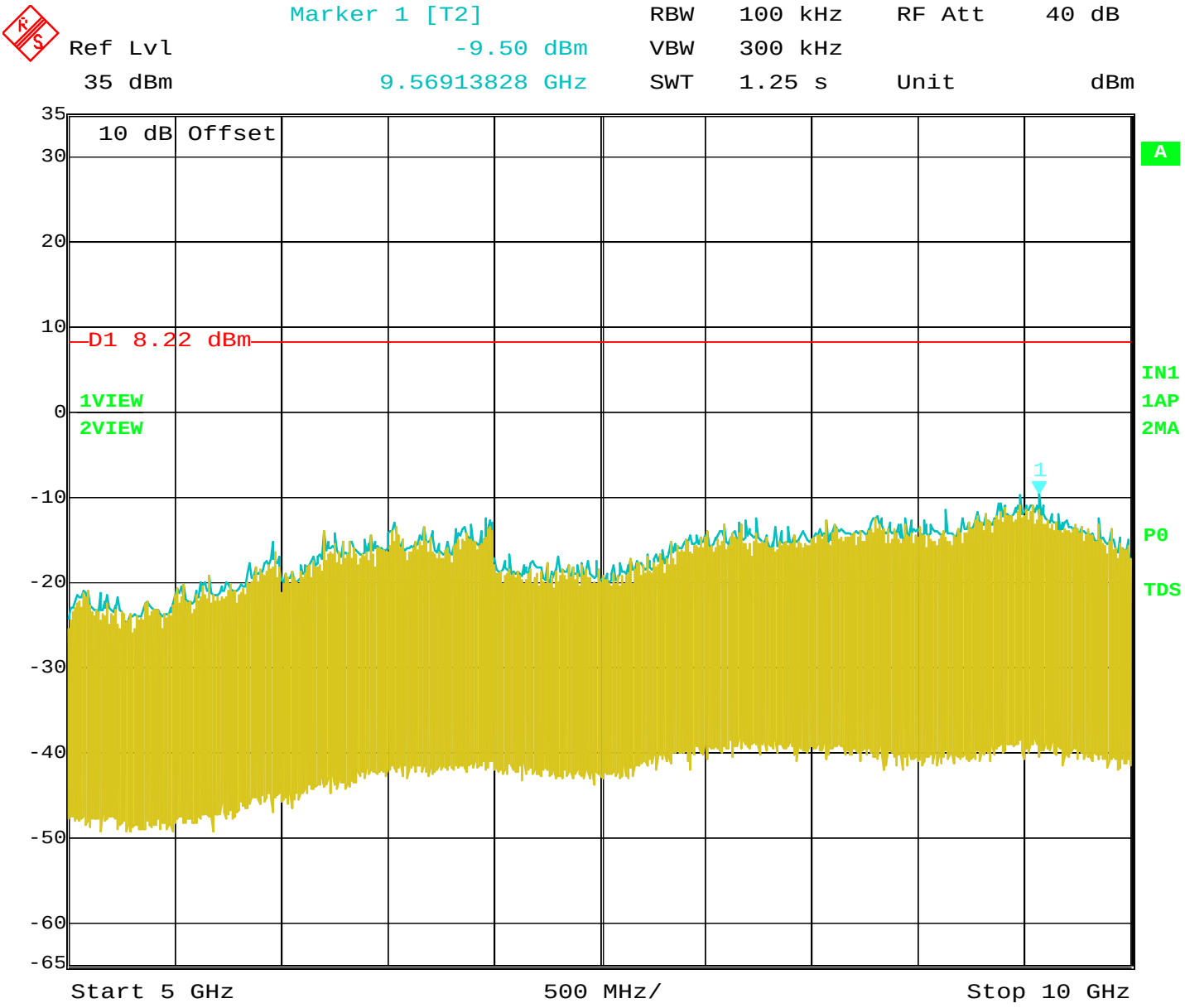
RF Antenna Conducted Test – High Channel – 2 MHz to 900 MHz – eNode with RF eXpander



RF Antenna Conducted Test – High Channel – 900 MHz to 1 GHz – eNode with RF eXpander



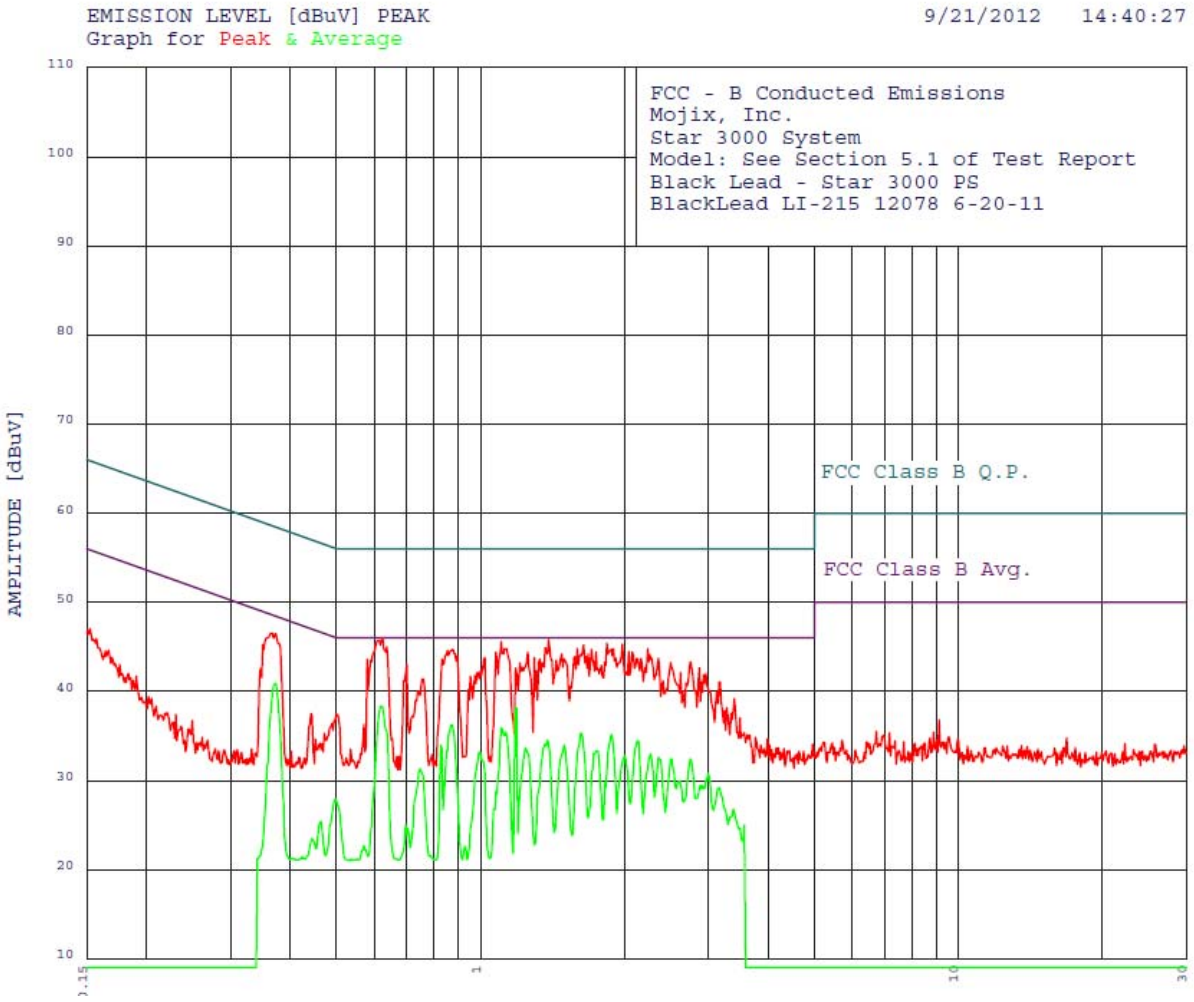
RF Antenna Conducted Test – High Channel – 1 GHz to 5 GHz – eNode with RF eXpander



RF Antenna Conducted Test – High Channel – 5 GHz to 10 GHz – eNode with RF eXpander

CONDUCTED EMISSIONS

DATA SHEETS


EMISSION LEVEL [dBuV] PEAK
9/21/2012 14:40:27
Graph for Peak & Average
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Star 3000 PS
BlackLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10

page 1/1

9/21/2012 14:40:27

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Star 3000 PS
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.624	46.01	46.00	0.01**
2	1.389	45.80	46.00	-0.20**
3	1.106	45.60	46.00	-0.40**
4	1.840	45.40	46.00	-0.60**
5	1.981	45.30	46.00	-0.70**
6	1.646	45.20	46.00	-0.80**
7	2.238	44.81	46.00	-1.19**
8	1.594	44.80	46.00	-1.20**
9	0.876	44.70	46.00	-1.30**
10	1.708	44.70	46.00	-1.30**
11	2.044	44.50	46.00	-1.50**
12	2.077	44.40	46.00	-1.60**
13	1.077	44.40	46.00	-1.60**
14	1.256	44.40	46.00	-1.60**
15	1.745	44.40	46.00	-1.60**
16	1.480	44.20	46.00	-1.80**
17	1.680	44.20	46.00	-1.80**
18	0.365	46.57	48.61	-2.03**
19	1.577	43.90	46.00	-2.10**
20	1.021	43.80	46.00	-2.20**
21	1.297	43.80	46.00	-2.20**
22	2.358	43.71	46.00	-2.29**
23	2.168	43.71	46.00	-2.29**
24	2.123	43.70	46.00	-2.30**
25	0.580	43.61	46.00	-2.39**
26	1.331	43.60	46.00	-2.40**
27	1.441	43.50	46.00	-2.50**
28	2.751	43.33	46.00	-2.67**
29	2.501	43.22	46.00	-2.78**
30	0.701	43.00	46.00	-3.00**
31	2.870	42.63	46.00	-3.37**
32	1.184	42.60	46.00	-3.40**
33	1.311	42.30	46.00	-3.70**
34	2.624	42.12	46.00	-3.88**
35	2.963	42.03	46.00	-3.97**
36	0.953	41.70	46.00	-4.30**
37	0.755	41.40	46.00	-4.60**
38	2.410	41.21	46.00	-4.79**
39	3.175	41.04	46.00	-4.96**
40	2.900	41.03	46.00	-4.97**
41	0.944	40.20	46.00	-5.80**
42	2.651	40.02	46.00	-5.98**
43	3.124	39.94	46.00	-6.06**
44	3.401	39.15	46.00	-6.85**
45	3.277	38.14	46.00	-7.86**

**Please See the Average Readings on the Next Page and on the Plot

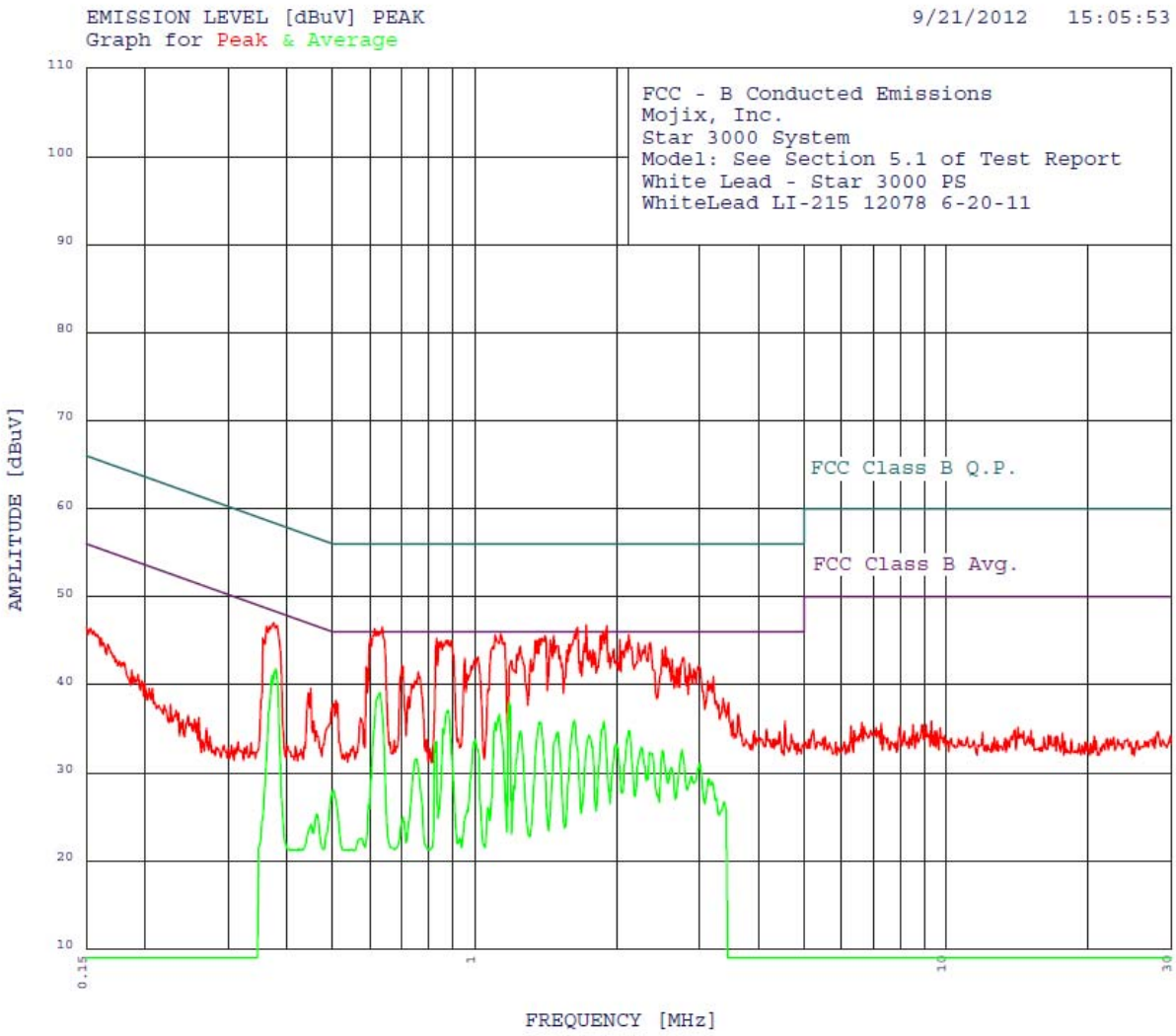
page 1/1

9/21/2012 14:40:27

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Star 3000 PS
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.373	40.91	48.43	-7.52
2	0.621	38.36	46.00	-7.64
3	1.191	38.14	46.00	-7.86
4	0.872	36.26	46.00	-9.74
5	1.106	35.90	46.00	-10.10
6	1.130	35.44	46.00	-10.56
7	1.620	35.32	46.00	-10.68
8	1.879	35.19	46.00	-10.81
9	1.382	34.54	46.00	-11.46
10	2.134	34.48	46.00	-11.52
11	1.367	34.12	46.00	-11.88
12	0.826	33.97	46.00	-12.03
13	1.496	33.97	46.00	-12.03
14	1.243	33.66	46.00	-12.34
15	0.849	33.35	46.00	-12.65
16	1.754	33.35	46.00	-12.65
17	0.995	33.19	46.00	-12.81
18	1.726	33.05	46.00	-12.95
19	2.274	32.99	46.00	-13.01
20	2.002	32.77	46.00	-13.23
21	2.358	32.61	46.00	-13.39
22	2.751	32.44	46.00	-13.56
23	2.514	32.43	46.00	-13.57
24	0.747	31.32	46.00	-14.68
25	2.995	30.74	46.00	-15.26
26	2.610	29.97	46.00	-16.03
27	1.820	29.71	46.00	-16.29
28	2.885	29.47	46.00	-16.53
29	2.916	29.43	46.00	-16.57
30	3.158	29.19	46.00	-16.81
31	1.077	28.78	46.00	-17.22
32	0.497	27.88	46.05	-18.17
33	1.066	26.80	46.00	-19.20
34	3.383	26.80	46.00	-19.20
35	3.565	25.01	46.00	-20.99
36	0.698	25.01	46.00	-20.99
37	0.464	25.41	46.62	-21.21
38	0.705	24.66	46.00	-21.34
39	3.492	24.65	46.00	-21.35
40	0.570	22.70	46.00	-23.30
41	0.929	22.61	46.00	-23.39
42	0.445	23.49	46.98	-23.48
43	0.577	22.23	46.00	-23.77
44	0.788	21.55	46.00	-24.45
45	0.535	21.20	46.00	-24.80


EMISSION LEVEL [dBuV] PEAK
9/21/2012 15:05:53
Graph for Peak & Average
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Star 3000 PS
WhiteLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

page 1/1

9/21/2012 15:05:53

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Star 3000 PS
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	1.726	46.79	46.00	0.79**
2	1.908	46.67	46.00	0.67**
3	0.637	46.57	46.00	0.57**
4	1.654	46.49	46.00	0.49**
5	1.869	46.07	46.00	0.07**
6	1.136	45.76	46.00	-0.24**
7	2.123	45.67	46.00	-0.33**
8	1.472	45.61	46.00	-0.39**
9	1.412	45.60	46.00	-0.40**
10	1.849	45.58	46.00	-0.42**
11	0.831	45.25	46.00	-0.75**
12	2.034	45.16	46.00	-0.84**
13	1.449	45.10	46.00	-0.90**
14	1.345	45.09	46.00	-0.91**
15	0.872	45.05	46.00	-0.95**
16	1.359	45.00	46.00	-1.00**
17	0.849	44.95	46.00	-1.05**
18	2.100	44.87	46.00	-1.13**
19	2.358	44.78	46.00	-1.22**
20	2.226	44.77	46.00	-1.23**
21	1.708	44.69	46.00	-1.31**
22	0.375	47.02	48.38	-1.36**
23	2.298	44.48	46.00	-1.52**
24	1.249	44.38	46.00	-1.62**
25	2.540	44.29	46.00	-1.71**
26	1.971	44.06	46.00	-1.94**
27	2.501	43.99	46.00	-2.01**
28	1.781	43.98	46.00	-2.02**
29	1.569	43.90	46.00	-2.10**
30	1.754	43.88	46.00	-2.12**
31	1.800	43.68	46.00	-2.32**
32	1.016	43.13	46.00	-2.87**
33	2.766	43.09	46.00	-2.91**
34	0.953	43.03	46.00	-2.97**
35	2.568	42.99	46.00	-3.01**
36	1.318	42.89	46.00	-3.11**
37	2.624	42.89	46.00	-3.11**
38	1.197	42.78	46.00	-3.22**
39	1.680	42.59	46.00	-3.41**
40	2.855	42.39	46.00	-3.61**
41	0.701	42.17	46.00	-3.83**
42	2.995	42.09	46.00	-3.91**
43	0.589	42.06	46.00	-3.94**
44	2.707	41.99	46.00	-4.01**
45	2.679	41.89	46.00	-4.11**

**Please See the Average Readings on the Next Page and on the Plot

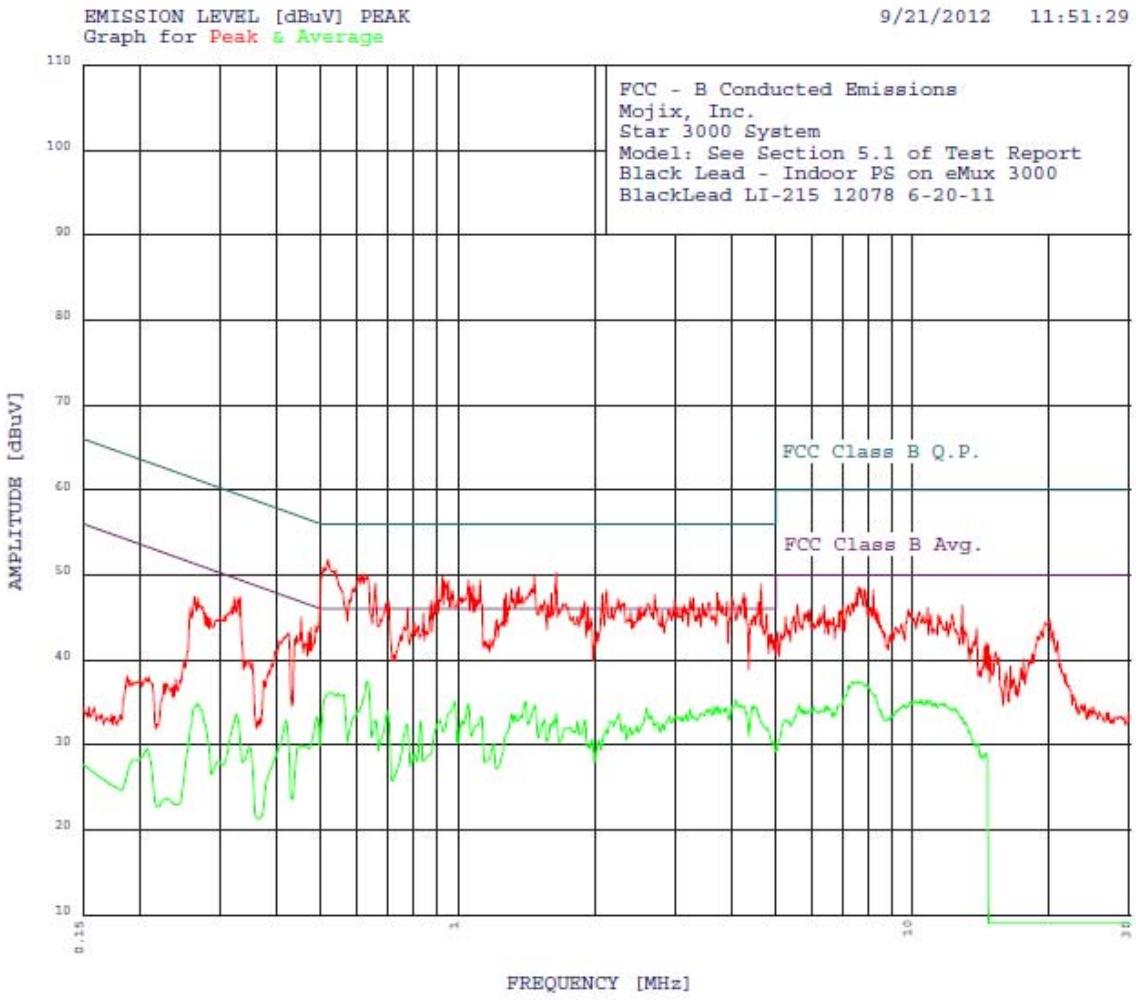
page 1/1

9/21/2012 15:05:53

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Star 3000 PS
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.379	41.77	48.29	-6.52
2	0.631	39.06	46.00	-6.94
3	0.371	41.04	48.47	-7.43
4	1.184	38.02	46.00	-7.98
5	0.881	37.06	46.00	-8.94
6	1.130	36.61	46.00	-9.39
7	1.629	35.95	46.00	-10.05
8	1.879	35.82	46.00	-10.18
9	1.374	35.78	46.00	-10.22
10	1.106	35.71	46.00	-10.29
11	0.858	35.03	46.00	-10.97
12	2.123	34.80	46.00	-11.20
13	1.249	34.77	46.00	-11.23
14	1.496	34.59	46.00	-11.41
15	1.745	34.27	46.00	-11.73
16	1.006	33.70	46.00	-12.30
17	0.826	33.52	46.00	-12.48
18	1.992	33.26	46.00	-12.74
19	1.781	32.95	46.00	-13.05
20	2.262	32.89	46.00	-13.11
21	1.016	32.68	46.00	-13.32
22	2.751	32.62	46.00	-13.38
23	2.501	32.55	46.00	-13.45
24	2.346	32.33	46.00	-13.67
25	2.371	32.26	46.00	-13.74
26	0.751	31.59	46.00	-14.41
27	3.011	31.06	46.00	-14.94
28	2.610	30.62	46.00	-15.38
29	2.322	29.89	46.00	-16.11
30	2.885	29.63	46.00	-16.37
31	3.141	29.34	46.00	-16.66
32	3.192	29.00	46.00	-17.00
33	1.210	28.54	46.00	-17.46
34	0.502	28.05	46.00	-17.95
35	2.449	27.57	46.00	-18.43
36	3.260	27.13	46.00	-18.87
37	3.383	26.72	46.00	-19.28
38	0.595	26.38	46.00	-19.62
39	1.066	26.05	46.00	-19.95
40	0.963	25.71	46.00	-20.29
41	0.705	24.95	46.00	-21.05
42	0.464	25.26	46.62	-21.36
43	0.449	24.15	46.89	-22.74
44	0.929	22.60	46.00	-23.40
45	0.577	22.53	46.00	-23.47


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
9/21/2012 11:51:29
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Indoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
FREQUENCY [MHz]

page 1/1

9/21/2012 11:51:29

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Indoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.518	51.81	46.00	5.81**
2	1.646	50.30	46.00	4.30**
3	0.618	50.11	46.00	4.11**
4	0.608	49.91	46.00	3.91**
5	0.924	49.80	46.00	3.80**
6	1.472	49.80	46.00	3.80**
7	0.953	49.40	46.00	3.40**
8	1.055	49.40	46.00	3.40**
9	1.118	49.40	46.00	3.40**
10	0.934	49.30	46.00	3.30**
11	0.658	49.00	46.00	3.00**
12	4.648	48.99	46.00	2.99**
13	1.083	48.80	46.00	2.80**
14	0.899	48.70	46.00	2.70**
15	1.066	48.60	46.00	2.60**
16	1.359	48.60	46.00	2.60**
17	1.311	48.30	46.00	2.30**
18	2.123	48.20	46.00	2.20**
19	0.969	48.20	46.00	2.20**
20	1.345	48.00	46.00	2.00**
21	3.722	47.96	46.00	1.96**
22	1.603	47.90	46.00	1.90**
23	4.249	47.87	46.00	1.87**
24	2.077	47.80	46.00	1.80**
25	1.276	47.80	46.00	1.80**
26	2.707	47.72	46.00	1.72**
27	4.008	47.37	46.00	1.37**
28	3.294	47.34	46.00	1.34**
29	3.243	47.34	46.00	1.34**
30	4.294	47.28	46.00	1.28**
31	2.250	47.21	46.00	1.21**
32	1.262	47.20	46.00	1.20**
33	1.552	47.10	46.00	1.10**
34	2.995	47.03	46.00	1.03**
35	0.872	47.00	46.00	1.00**
36	3.761	46.96	46.00	0.96**
37	0.705	46.90	46.00	0.90**
38	1.899	46.90	46.00	0.90**
39	3.903	46.86	46.00	0.86**
40	0.885	46.80	46.00	0.80**
41	4.600	46.79	46.00	0.79**
42	3.585	46.75	46.00	0.75**
43	2.322	46.71	46.00	0.71**
44	3.456	46.65	46.00	0.65**
45	2.610	46.62	46.00	0.62**

**Please See the Average Readings on the Next Page and on the Plot

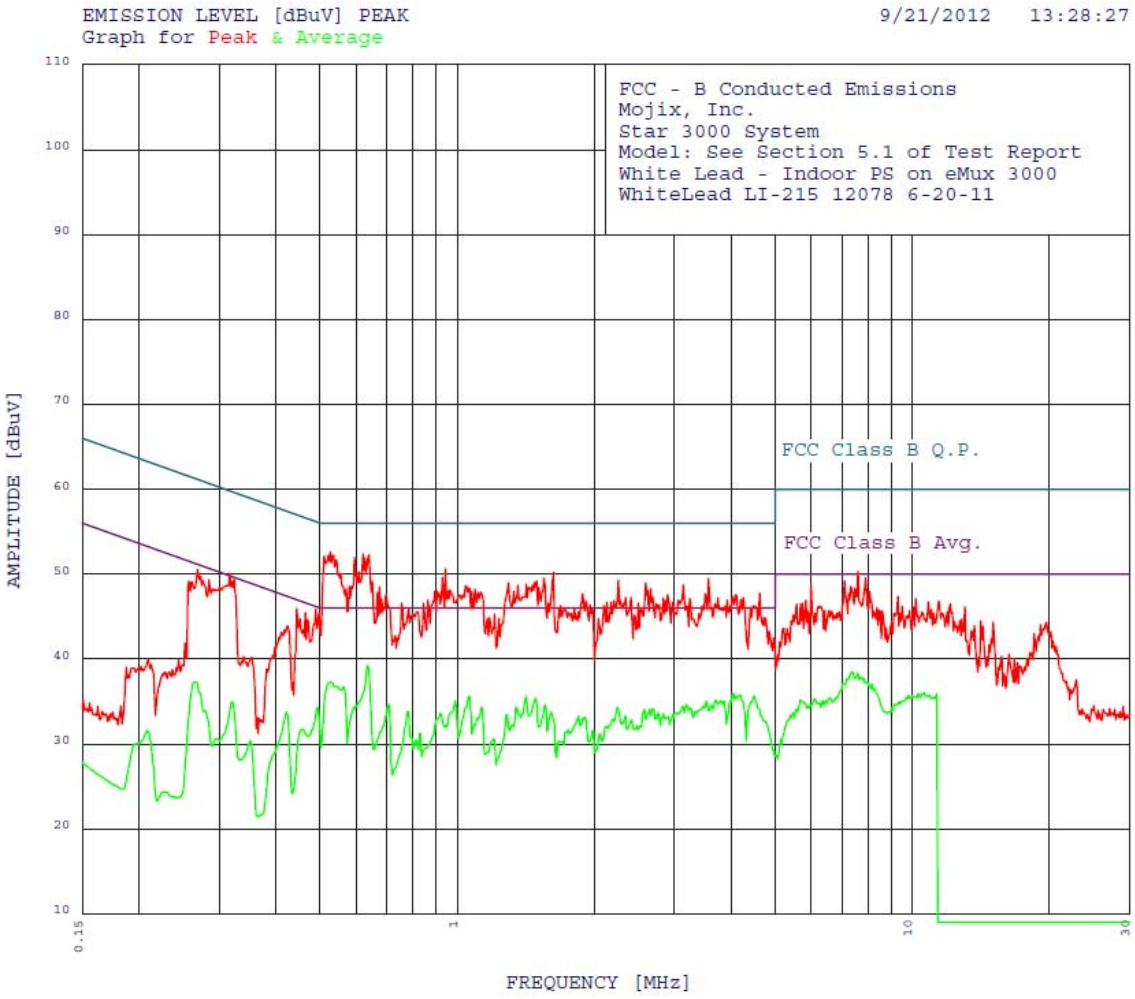
page 1/1

9/21/2012 11:51:29

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Indoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.631	37.48	46.00	-8.52
2	0.521	36.24	46.00	-9.76
3	0.530	36.14	46.00	-9.86
4	0.544	36.08	46.00	-9.92
5	0.558	36.01	46.00	-9.99
6	4.092	35.33	46.00	-10.67
7	1.412	35.10	46.00	-10.90
8	0.984	35.08	46.00	-10.92
9	1.055	34.84	46.00	-11.16
10	4.159	34.74	46.00	-11.26
11	4.456	34.71	46.00	-11.29
12	1.480	34.67	46.00	-11.33
13	4.249	34.61	46.00	-11.39
14	4.008	34.59	46.00	-11.41
15	3.663	34.56	46.00	-11.44
16	4.504	34.48	46.00	-11.52
17	3.722	34.46	46.00	-11.54
18	3.882	34.38	46.00	-11.62
19	2.596	34.36	46.00	-11.64
20	3.243	34.26	46.00	-11.74
21	3.820	34.26	46.00	-11.74
22	3.585	34.25	46.00	-11.75
23	3.529	34.17	46.00	-11.83
24	0.601	34.00	46.00	-12.00
25	0.701	33.99	46.00	-12.01
26	4.316	33.86	46.00	-12.14
27	3.419	33.73	46.00	-12.27
28	1.646	33.70	46.00	-12.30
29	2.262	33.67	46.00	-12.33
30	3.456	33.64	46.00	-12.36
31	1.311	33.63	46.00	-12.37
32	3.175	33.63	46.00	-12.37
33	4.600	33.59	46.00	-12.41
34	2.651	33.48	46.00	-12.52
35	7.372	37.45	50.00	-12.55
36	7.606	37.45	50.00	-12.55
37	0.592	33.45	46.00	-12.55
38	1.338	33.44	46.00	-12.56
39	1.374	33.44	46.00	-12.56
40	2.916	33.40	46.00	-12.60
41	1.124	33.35	46.00	-12.65
42	3.043	33.33	46.00	-12.67
43	3.011	33.33	46.00	-12.67
44	3.107	33.32	46.00	-12.68
45	7.731	37.30	50.00	-12.70


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
9/21/2012 13:28:27
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Indoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

page 1/1

9/21/2012 13:28:27

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Indoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.527	52.62	46.00	6.62**
2	0.621	52.37	46.00	6.37**
3	0.641	52.27	46.00	6.27**
4	0.595	51.97	46.00	5.97**
5	0.627	51.87	46.00	5.87**
6	0.944	50.64	46.00	4.64**
7	0.608	50.27	46.00	4.27**
8	1.629	50.20	46.00	4.20**
9	0.929	49.64	46.00	3.64**
10	1.552	49.50	46.00	3.50**
11	3.565	49.49	46.00	3.49**
12	2.262	49.27	46.00	3.27**
13	1.496	49.21	46.00	3.21**
14	0.651	49.17	46.00	3.17**
15	1.297	48.99	46.00	2.99**
16	2.596	48.99	46.00	2.99**
17	1.419	48.80	46.00	2.80**
18	3.141	48.72	46.00	2.72**
19	1.359	48.70	46.00	2.70**
20	1.043	48.64	46.00	2.64**
21	0.580	48.56	46.00	2.56**
22	0.676	48.47	46.00	2.47**
23	1.512	48.41	46.00	2.41**
24	2.665	48.29	46.00	2.29**
25	1.094	48.25	46.00	2.25**
26	0.963	48.13	46.00	2.13**
27	0.895	48.04	46.00	2.04**
28	0.904	48.04	46.00	2.04**
29	1.331	47.99	46.00	1.99**
30	1.077	47.95	46.00	1.95**
31	0.669	47.87	46.00	1.87**
32	1.130	47.86	46.00	1.86**
33	4.624	47.78	46.00	1.78**
34	3.511	47.68	46.00	1.68**
35	1.889	47.67	46.00	1.67**
36	2.900	47.59	46.00	1.59**
37	0.698	47.57	46.00	1.57**
38	4.092	47.56	46.00	1.56**
39	2.410	47.28	46.00	1.28**
40	2.346	47.28	46.00	1.28**
41	4.249	47.26	46.00	1.26**
42	3.741	47.21	46.00	1.21**
43	2.840	47.19	46.00	1.19**
44	3.243	47.13	46.00	1.13**
45	0.683	47.07	46.00	1.07**
46	4.204	46.96	46.00	0.96**
47	0.862	46.95	46.00	0.95**
48	3.924	46.94	46.00	0.94**

**Please See the Average Readings on the Next Page and on the Plot

page 1/1

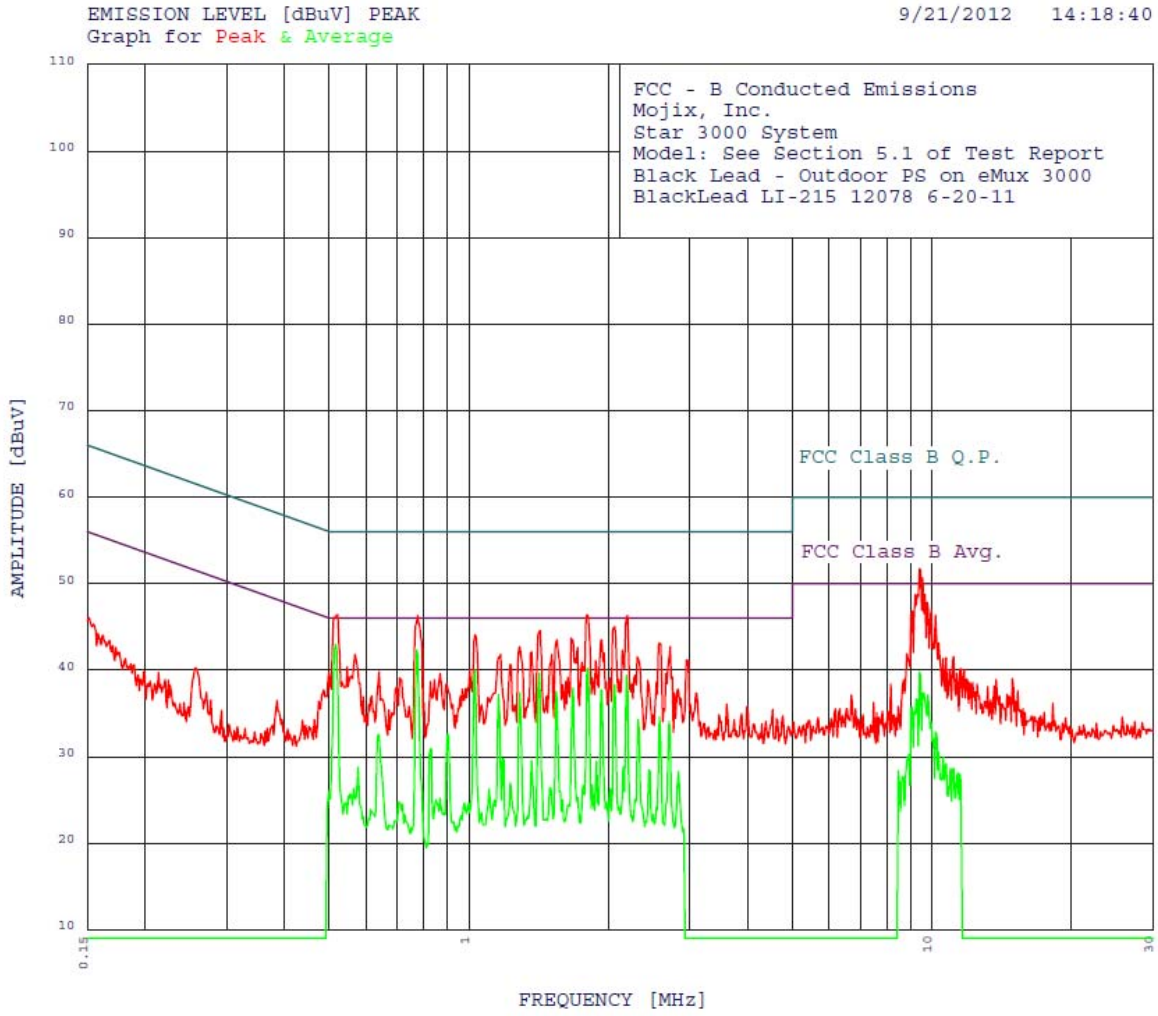
9/21/2012 13:28:27

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Indoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

---

48 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.634	39.21	46.00	-6.79
2	0.527	37.32	46.00	-8.68
3	0.544	36.81	46.00	-9.19
4	0.561	36.70	46.00	-9.30
5	0.555	36.43	46.00	-9.57
6	4.050	35.96	46.00	-10.04
7	4.182	35.77	46.00	-10.23
8	4.114	35.64	46.00	-10.36
9	4.504	35.63	46.00	-10.37
10	1.419	35.62	46.00	-10.38
11	1.060	35.59	46.00	-10.41
12	1.488	35.40	46.00	-10.60
13	3.702	35.19	46.00	-10.81
14	3.800	35.11	46.00	-10.89
15	3.862	35.08	46.00	-10.92
16	3.987	35.06	46.00	-10.94
17	4.432	35.06	46.00	-10.94
18	0.990	35.05	46.00	-10.95
19	3.529	35.05	46.00	-10.95
20	4.249	35.03	46.00	-10.97
21	3.192	34.64	46.00	-11.36
22	0.709	34.63	46.00	-11.37
23	1.560	34.62	46.00	-11.38
24	3.624	34.56	46.00	-11.44
25	7.372	38.49	50.00	-11.51
26	0.598	34.47	46.00	-11.53
27	3.474	34.43	46.00	-11.57
28	3.124	34.41	46.00	-11.59
29	2.250	34.33	46.00	-11.67
30	0.592	34.32	46.00	-11.68
31	7.606	38.31	50.00	-11.69
32	1.352	34.30	46.00	-11.70
33	1.136	34.28	46.00	-11.72
34	3.260	34.23	46.00	-11.77
35	0.494	34.28	46.09	-11.82
36	2.693	34.16	46.00	-11.84
37	2.651	34.12	46.00	-11.88
38	2.582	34.08	46.00	-11.92
39	3.401	33.98	46.00	-12.02
40	0.779	33.88	46.00	-12.12
41	3.346	33.84	46.00	-12.16
42	7.689	37.82	50.00	-12.18
43	1.611	33.77	46.00	-12.23
44	7.815	37.76	50.00	-12.24
45	7.178	37.70	50.00	-12.30
46	2.766	33.69	46.00	-12.31
47	0.969	33.68	46.00	-12.32
48	3.043	33.64	46.00	-12.36


EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average
9/21/2012 14:18:40
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Outdoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

page 1/1

9/21/2012 14:18:40

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Outdoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	9.403	51.72	50.00	1.72**
2	9.557	50.63	50.00	0.63**
3	0.521	46.41	46.00	0.41**
4	1.800	46.40	46.00	0.40**
5	2.201	46.31	46.00	0.31**
6	0.775	46.30	46.00	0.30**
7	2.066	45.00	46.00	-1.00**
8	9.660	48.73	50.00	-1.27**
9	9.208	48.71	50.00	-1.29**
10	1.426	44.60	46.00	-1.40**
11	1.032	44.10	46.00	-1.90**
12	9.762	47.83	50.00	-2.17**
13	1.663	43.70	46.00	-2.30**
14	1.552	43.50	46.00	-2.50**
15	1.929	43.50	46.00	-2.50**
16	2.582	43.12	46.00	-2.88**
17	9.967	46.94	50.00	-3.06**
18	9.065	46.81	50.00	-3.19**
19	2.722	42.72	46.00	-3.28**
20	1.290	42.70	46.00	-3.30**
21	1.717	42.60	46.00	-3.40**
22	10.183	46.34	50.00	-3.66**
23	2.145	42.30	46.00	-3.70**
24	1.367	42.10	46.00	-3.90**
25	0.567	41.81	46.00	-4.19**
26	1.172	41.80	46.00	-4.20**
27	1.512	41.80	46.00	-4.20**
28	2.310	41.51	46.00	-4.49**
29	2.963	41.13	46.00	-4.87
30	1.879	41.10	46.00	-4.90**
31	1.230	40.70	46.00	-5.30**
32	0.547	40.41	46.00	-5.59**
33	1.006	40.00	46.00	-6.00**
34	0.641	39.81	46.00	-6.19**
35	0.500	39.71	46.01	-6.30**
36	2.665	39.62	46.00	-6.38**
37	0.867	39.60	46.00	-6.40**
38	2.286	39.41	46.00	-6.59**
39	1.637	39.20	46.00	-6.80**
40	10.348	43.15	50.00	-6.85**
41	2.023	39.10	46.00	-6.90**
42	0.709	39.10	46.00	-6.90**
43	1.849	39.10	46.00	-6.90**
44	2.111	38.90	46.00	-7.10**
45	0.844	38.90	46.00	-7.10**

**Please See the Average Readings on the Next Page and on the Plot

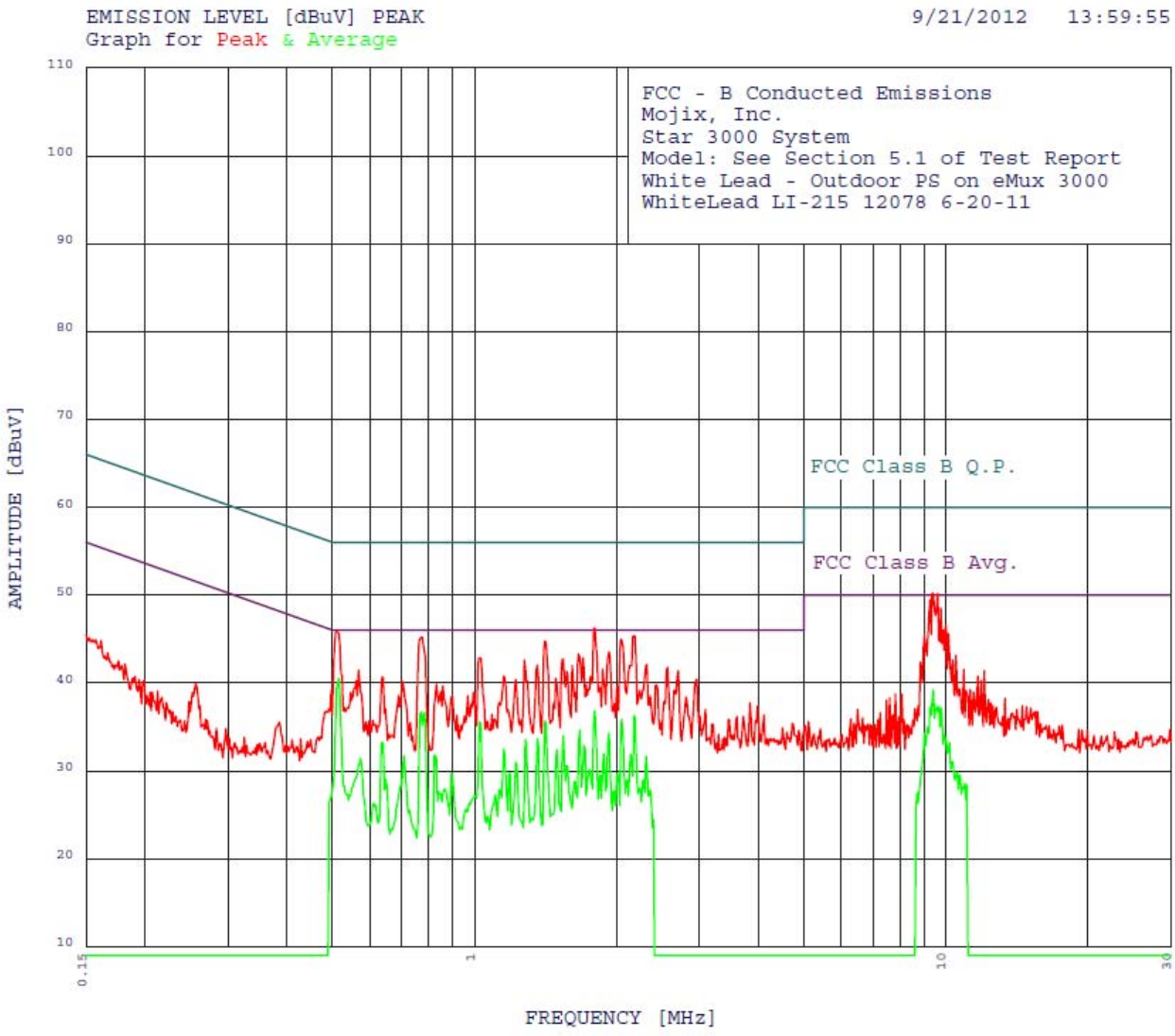
page 1/1

9/21/2012 14:18:40

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
Black Lead - Outdoor PS on eMux 3000
BlackLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

45 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.516	42.97	46.00	-3.03
2	0.771	42.34	46.00	-3.66
3	1.810	40.19	46.00	-5.81
4	1.032	39.96	46.00	-6.04
5	1.419	39.64	46.00	-6.36
6	2.190	39.39	46.00	-6.61
7	2.066	38.33	46.00	-7.67
8	1.680	37.93	46.00	-8.07
9	1.929	37.74	46.00	-8.26
10	1.544	37.50	46.00	-8.50
11	1.290	37.38	46.00	-8.62
12	1.160	37.19	46.00	-8.81
13	9.403	39.79	50.00	-10.21
14	2.582	34.63	46.00	-11.37
15	2.322	34.29	46.00	-11.71
16	2.707	34.08	46.00	-11.92
17	9.608	37.33	50.00	-12.67
18	9.813	37.11	50.00	-12.89
19	9.256	36.67	50.00	-13.33
20	0.637	32.56	46.00	-13.44
21	0.904	32.55	46.00	-13.45
22	9.065	35.69	50.00	-14.31
23	9.160	35.16	50.00	-14.84
24	0.826	30.92	46.00	-15.08
25	9.967	33.98	50.00	-16.02
26	1.184	29.75	46.00	-16.25
27	1.367	29.54	46.00	-16.46
28	1.889	29.47	46.00	-16.53
29	10.183	32.84	50.00	-17.16
30	2.156	28.84	46.00	-17.16
31	0.577	28.79	46.00	-17.21
32	2.449	28.45	46.00	-17.55
33	2.840	28.27	46.00	-17.73
34	10.074	32.05	50.00	-17.95
35	1.230	26.99	46.00	-19.01
36	1.763	26.72	46.00	-19.28
37	1.849	26.72	46.00	-19.28
38	10.348	30.52	50.00	-19.48
39	1.496	26.46	46.00	-19.54
40	0.564	26.32	46.00	-19.68
41	2.023	26.29	46.00	-19.71
42	1.106	26.26	46.00	-19.74
43	8.921	30.22	50.00	-19.78
44	1.577	25.97	46.00	-20.03
45	0.500	25.96	46.01	-20.05


EMISSION LEVEL [dBuV] PEAK
9/21/2012 13:59:55
Graph for Peak & Average
FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Outdoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
FCC Class B Q.P.
FCC Class B Avg.
AMPLITUDE [dBuV]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30
FREQUENCY [MHz]

page 1/1

9/21/2012 13:59:55

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Outdoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	1.800	46.28	46.00	0.28**
2	9.608	50.20	50.00	0.20**
3	9.403	50.19	50.00	0.19**
4	0.513	45.81	46.00	-0.19**
5	9.256	49.49	50.00	-0.51**
6	2.179	45.37	46.00	-0.63**
7	0.771	45.16	46.00	-0.84**
8	2.044	44.96	46.00	-1.04**
9	1.412	44.80	46.00	-1.20**
10	9.762	48.50	50.00	-1.50**
11	1.929	43.57	46.00	-2.43**
12	1.663	43.29	46.00	-2.71**
13	1.699	42.89	46.00	-3.11**
14	1.032	42.84	46.00	-3.16**
15	1.536	42.71	46.00	-3.29**
16	1.276	42.59	46.00	-3.41**
17	10.019	46.51	50.00	-3.49**
18	2.322	42.08	46.00	-3.92**
19	9.865	46.01	50.00	-3.99**
20	1.611	42.00	46.00	-4.00**
21	1.359	42.00	46.00	-4.00**
22	2.568	41.79	46.00	-4.21
23	10.129	45.62	50.00	-4.38**
24	1.869	41.57	46.00	-4.43**
25	0.567	41.45	46.00	-4.55**
26	2.707	41.39	46.00	-4.61
27	9.017	45.38	50.00	-4.62**
28	1.569	41.30	46.00	-4.70**
29	1.154	40.77	46.00	-5.23**
30	0.637	40.67	46.00	-5.33**
31	1.488	40.51	46.00	-5.49**
32	2.963	40.39	46.00	-5.61
33	1.223	40.38	46.00	-5.62**
34	0.561	40.24	46.00	-5.76**
35	0.705	40.17	46.00	-5.83**
36	0.831	39.85	46.00	-6.15**
37	1.726	39.79	46.00	-6.21**
38	2.436	39.78	46.00	-6.22
39	0.858	39.65	46.00	-6.35**
40	2.013	39.56	46.00	-6.44**
41	10.513	43.13	50.00	-6.87**
42	0.849	39.05	46.00	-6.95**
43	0.497	39.10	46.05	-6.95**
44	0.995	38.93	46.00	-7.07**
45	10.348	42.62	50.00	-7.38**
46	2.358	38.58	46.00	-7.42**
47	0.690	38.57	46.00	-7.43**
48	0.969	38.53	46.00	-7.47**

**Please See the Average Readings on the Next Page and on the Plot

page 1/1

9/21/2012 13:59:55

FCC - B Conducted Emissions
Mojix, Inc.
Star 3000 System
Model: See Section 5.1 of Test Report
White Lead - Outdoor PS on eMux 3000
WhiteLead LI-215 12078 6-20-11
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC Class B Avg. limit line
Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.516	40.52	46.00	-5.48
2	1.800	36.85	46.00	-9.15
3	0.771	36.67	46.00	-9.33
4	0.783	36.63	46.00	-9.37
5	2.179	36.30	46.00	-9.70
6	2.055	35.88	46.00	-10.12
7	1.412	35.69	46.00	-10.31
8	1.027	35.58	46.00	-10.42
9	9.403	39.21	50.00	-10.79
10	1.671	34.63	46.00	-11.37
11	1.929	34.35	46.00	-11.65
12	1.544	33.97	46.00	-12.03
13	1.359	33.64	46.00	-12.36
14	1.283	33.58	46.00	-12.42
15	9.660	37.32	50.00	-12.68
16	9.256	37.28	50.00	-12.72
17	0.637	33.27	46.00	-12.73
18	9.557	37.23	50.00	-12.77
19	9.762	37.14	50.00	-12.86
20	1.708	32.89	46.00	-13.11
21	1.154	32.48	46.00	-13.52
22	1.496	32.41	46.00	-13.59
23	1.879	31.96	46.00	-14.04
24	2.145	31.90	46.00	-14.10
25	0.822	31.76	46.00	-14.24
26	0.709	31.71	46.00	-14.29
27	2.310	31.70	46.00	-14.30
28	0.573	31.39	46.00	-14.61
29	9.160	34.99	50.00	-15.01
30	1.223	30.98	46.00	-15.02
31	1.569	30.54	46.00	-15.46
32	9.017	34.26	50.00	-15.74
33	9.916	34.14	50.00	-15.86
34	1.754	30.10	46.00	-15.90
35	0.895	29.72	46.00	-16.28
36	1.184	29.69	46.00	-16.31
37	2.013	29.63	46.00	-16.37
38	10.019	33.61	50.00	-16.39
39	1.849	29.51	46.00	-16.49
40	10.183	33.24	50.00	-16.76
41	0.648	29.07	46.00	-16.93
42	2.286	29.00	46.00	-17.00
43	2.111	28.95	46.00	-17.05
44	1.637	28.79	46.00	-17.21
45	2.238	28.04	46.00	-17.96
46	0.862	27.93	46.00	-18.07
47	2.358	27.92	46.00	-18.08
48	1.130	27.90	46.00	-18.10