

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.247

Intel Corporation

Date: 07/07/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Kyle Fujimoto

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	48.49	V	74	-25.51	Peak	2.44	270	
4824	44.4	V	54	-9.6	Avg	2.44	270	
7236	48.85	V	74	-25.15	Peak	3.29	315	
7236	38.09	V	54	-15.91	Avg	3.29	315	
9648	49.07	V	--	--	Peak	3.29	270	Not in Restricted Band
9648	34.35	V	--	--	Avg	3.29	270	Not in Restricted Band
12060	55.33	V	74	-18.67	Peak	3.29	225	
12060	40.58	V	54	-13.42	Avg	3.29	225	
14472	54.8	V	74	-19.2	Peak	2.14	225	
14472	40.18	V	54	-13.82	Avg	2.14	225	
16884		V	--	--	Peak			No Emissions
16884		V	--	--	Avg			Found
19296	45.34	V	74	-28.66	Peak			
19296	32.31	V	54	-21.69	Avg			
21708	49.06	V	--	--	Peak	2.8	270	Not in Restricted Band
21708	36.58	V	--	--	Avg	2.8	270	Not in Restricted Band
24120	45.72	V	--	--	Peak	2.8	270	Not in Restricted Band
24120	35.73	V	--	--	Avg	2.8	270	Not in Restricted Band

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Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	52.54	H	74	-21.46	Peak	2.17	180	
4824	49.79	H	54	-4.21	Avg	2.17	180	
7236	53.86	H	74	-20.14	Peak	2.5	0	
7236	47.22	H	54	-6.78	Avg	2.5	0	
9648	48.42	H	--	--	Peak	2.5	90	Not in Restricted Band
9648	35.32	H	--	--	Avg	2.5	90	Not in Restricted Band
12060	54.49	H	74	-19.51	Peak	2.5	45	
12060	39.45	H	54	-14.55	Avg	2.5	45	
14472	52.19	H	74	-21.81	Peak	2.5	270	
14472	39.19	H	54	-14.81	Avg	2.5	270	
16884		H	--	--	Peak			No Emissions
16884		H	--	--	Avg			Found
19296	46.67	H	74	-27.33	Peak	2.56	270	
19296	32.1	H	54	-21.9	Avg	2.56	270	
21708	49.34	H	--	--	Peak	2.56	225	Not in Restricted Band
21708	36.62	H	--	--	Avg	2.56	225	Not in Restricted Band
24120	48.18	H	--	--	Peak	2.56	225	Not in Restricted Band
24120	35.75	H	--	--	Avg	2.56	225	Not in Restricted Band

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Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Kyle Fujimoto

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 6 - 802.11 b Mode**Transmit Mode**

Gain : 17.5 Peak Power: 19.00 dBm Avg. Power: 16.98 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	46.33	V	74	-27.67	Peak	2.46	225	
4874	39.91	V	54	-14.09	Avg	2.46	225	
7311	50.13	V	74	-23.87	Peak	1.97	45	
7311	40.31	V	54	-13.69	Avg	1.97	45	
9748	49.37	V	--	--	Peak	1.97	225	Not in Restricted Band
9748	34.13	V	--	--	Avg	1.97	225	Not in Restricted Band
12185	54.71	V	74	-19.29	Peak	1.97	180	
12185	39.38	V	54	-14.62	Avg	1.97	180	
14622	53.53	V	--	--	Peak	1.97	270	Not in Restricted Band
14622	39.87	V	--	--	Avg	1.97	270	Not in Restricted Band
17059	53.48	V	--	--	Peak	2.16	180	Not in Restricted Band
17059	40.33	V	--	--	Avg	2.16	180	Not in Restricted Band
19496	45.43	V	74	-28.57	Peak	2.02	270	
19496	38.52	V	54	-15.48	Avg	2.02	270	
21933	50.17	V	--	--	Peak	2.19	315	
21933	36.98	V	--	--	Avg	2.19	315	
22001		V	74	-74	Peak			No Emissions
22001		V	54	-54	Avg			Found
24370		V	--	--	Peak			No Emissions
24370		V	--	--	Avg			Found

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Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	50.12	H	74	-23.88	Peak	2.17	0	
4874	46.7	H	54	-7.3	Avg	2.17	0	
7311	53.96	H	74	-20.04	Peak	2.07	0	
7311	48.91	H	54	-5.09	Avg	2.07	0	
9748	47.15	H	--	--	Peak	2.05	270	Not in Restricted Band
9748	34.05	H	--	--	Avg	2.05	270	Not in Restricted Band
12185	54.71	H	74	-19.29	Peak	2.05	270	
12185	40.18	H	54	-13.82	Avg	2.05	270	
14622	52.4	H	--	--	Peak	2.05	45	Not in Restricted Band
14622	39.31	H	--	--	Avg	2.05	45	Not in Restricted Band
17059		H	--	--	Peak			No Emission
17059		H	--	--	Avg			Found
19496	44.07	H	74	-29.93	Peak	2.48	225	
19496	32.05	H	54	-21.95	Avg	2.48	225	
21933	49.42	H	--	--	Peak	2.48	180	
21933	37.03	H	--	--	Avg	2.48	180	
22001	49.72	H	74	-24.28	Peak	2.48	315	
22001	36.81	H	54	-17.19	Avg	2.48	315	
24370	49.18	H	--	--	Peak	2.48	270	
24370	35.09	H	--	--	Avg	2.48	270	

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Lab: B

Model: WM3B2915ABG

Tested By: Kyle Fujimoto

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 11 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	47.38	V	74	-26.62	Peak	2.25	180	
4924	42.32	V	54	-11.68	Avg	2.25	180	
7386	46.67	V	74	-27.33	Peak	2.25	270	
7386	37.21	V	54	-16.79	Avg	2.25	270	
9848	48.68	V	--	--	Peak	2.25	270	Not in Restricted Band
9848	33.31	V	--	--	Avg	2.25	270	Not in Restricted Band
12310	51.14	V	74	-22.86	Peak	2.25	315	
12310	37.44	V	54	-16.56	Avg	2.25	315	
14772	53.14	V	--	--	Peak	2.25	225	Not in Restricted Band
14772	40	V	--	--	Avg	2.25	225	Not in Restricted Band
17234	53.16	V	--	--	Peak	2.25	270	Not in Restricted Band
17234	38.73	V	--	--	Avg	2.25	270	Not in Restricted Band
19696	46.58	V	74	-27.42	Peak	2.19	270	
19696	32.01	V	54	-21.99	Avg	2.19	270	
22158	49.37	V	74	-24.63	Peak	2.19	315	
22158	37.42	V	54	-16.58	Avg	2.19	315	
24620	49.45	V	--	--	Peak	2.19	0	
24620	34.12	V	--	--	Avg	2.19	0	

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Model: WM3B2915ABG

Tested By: Kyle Fujimoto

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Channel 11 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	50.38	H	74	-23.62	Peak	2.85	315	
4924	46.7	H	54	-7.3	Avg	2.85	315	
7386	51.77	H	74	-22.23	Peak	2.17	180	
7386	45.3	H	54	-8.7	Avg	2.17	180	
9848	49.27	H	--	--	Peak	2.17	180	Not in Restricted Band
9848	34.19	H	--	--	Avg	2.17	180	Not in Restricted Band
12310	49.78	H	74	-24.22	Peak	2.21	270	
12310	37.45	H	54	-16.55	Avg	2.21	270	
14772	52.34	H	--	--	Peak	2.21	135	Not in Restricted Band
14772	39.29	H	--	--	Avg	2.21	135	Not in Restricted Band
17234		H	--	--	Peak			No Emission
17234		H	--	--	Avg			Found
19696	43.83	H	74	-30.17	Peak	2.48	270	
19696	32.08	H	54	-21.92	Avg	2.18	270	
22158	49.26	H	74	-24.74	Peak	2.48	270	
22158	37.41	H	54	-16.59	Avg	2.48	270	
24620	47.78	H	--	--	Peak	2.48	45	
24620	34.26	H	--	--	Avg	2.48	45	

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Lab: B

Model: WM3B2915ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Channel 6 - 802.11 b Mode**Transmit Mode**

Gain : 17.5 Peak Power: 19.00 dBm Avg. Power: 16.98 dBm

Channel 11 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2312	43.05	V	74	-30.95	Peak	2	0	103 MHz Below the Fundamental of Channel 1
2312	36.91	V	54	-17.09	Avg	2	0	
2512	45.08	V	74	-28.92	Peak	1.75	45	103 MHz Above the Fundamental of Channel 1
2512	37.43	V	54	-16.57	Avg	1.75	45	
2312	48.13	H	74	-25.87	Peak	3	315	103 MHz Below the Fundamental of Channel 1
2312	43.66	H	54	-10.34	Avg	3	315	
2512	50.28	H	74	-23.72	Peak	3	315	103 MHz Above the Fundamental of Channel 1
2512	44.56	H	54	-9.44	Avg	3	315	
2336	48.85	V	74	-25.15	Peak	1.5	45	103 MHz Below the Fundamental of Channel 6
2336	43.35	V	54	-10.65	Avg	1.5	45	
2538.7	46.66	V	74	-27.34	Peak	3.25	0	103 MHz Above the Fundamental of Channel 6
2538.7	40.96	V	54	-13.04	Avg	3.25	0	
2336	50.02	H	74	-23.98	Peak	3.5	0	103 MHz Below the Fundamental of Channel 6
2336	45.42	H	54	-8.58	Avg	3.5	0	
2538.7	50.97	H	74	-23.03	Peak	3	315	103 MHz Above the Fundamental of Channel 6
2538.7	45.51	H	54	-8.49	Avg	3	315	
2360	46.24	V	74	-27.76	Peak	3	90	103 MHz Below the Fundamental of Channel 11
2360	39.72	V	54	-14.28	Avg	3	90	
2565	45.16	V	74	-28.84	Peak	3	90	103 MHz Above the Fundamental of Channel 11
2565	35.89	V	54	-18.11	Avg	3	90	
2360	50.1	H	74	-23.9	Peak	3.5	0	103 MHz Below the Fundamental of Channel 11
2360	44.17	H	54	-9.83	Avg	3.5	0	
2564	49.33	H	74	-24.67	Peak	3	315	103 MHz Above the Fundamental of Channel 11
2564	41.2	H	54	-12.8	Peak	3	315	

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Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3216	37.68	V	74	-36.32	Peak	2.19	180	Fundamental of LO for
3216	24.63	V	54	-29.37	Avg	2.19	180	Channel 1
6432	45.3	V	--	--	Peak	2.17	180	2nd Harmonic of LO for
6432	39.37	V	--	--	Avg	2.17	180	Channel 1
9648	47.47	V	--	--	Peak	2.17	45	3rd Harmonic of LO for
9648	33.97	V	--	--	Avg	2.17	45	Channel 1
12864	48.77	V	--	--	Peak	2.17	135	4th Harmonic of LO for
12864	35.08	V	--	--	Avg	2.17	135	Channel 1
3216	40.13	H	74	-33.87	Peak	2.87	315	Fundamental of LO for
3216	31.41	H	54	-22.59	Avg	2.87	315	Channel 1
6432	48.5	H	--	--	Peak	1.95	180	2nd Harmonic of LO for
6432	45.06	H	--	--	Avg	1.95	180	Channel 1
9648	49.26	H	--	--	Peak	1.95	225	3rd Harmonic of LO for
9648	33.92	H	--	--	Avg	1.95	225	Channel 1
12864	50.61	H	--	--	Peak	1.95	270	4th Harmonic of LO for
12864	35.8	H	--	--	Avg	1.95	270	Channel 1
								Only the Fundamental of the LO
								is in the Restricted Band

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 6 - 802.11 b Mode**Transmit Mode**

Gain : 17.5 Peak Power: 19.00 dBm Avg. Power: 16.98 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3249.33	39.99	V	74	-34.01	Peak	3.06	0	Fundamental of LO for
3249.33	32.29	V	54	-21.71	Avg	3.06	0	Channel 6
6498.67	49.32	V	--	--	Peak	2.8	180	2nd Harmonic of LO for
6498.67	38.85	V	--	--	Avg	2.8	180	Channel 6
9748	47.5	V	--	--	Peak	2.8	225	3rd Harmonic of LO for
9748	33.88	V	--	--	Avg	2.8	225	Channel 6
12997.3	50.61	V	--	--	Peak	2.8	45	4th Harmonic of LO for
12997.3	35.78	V	--	--	Avg	2.8	45	Channel 6
		V						
3249.33	40.97	H	74	-33.03	Peak	1.94	225	Fundamental of LO for
3249.33	31.64	H	54	-22.36	Avg	1.94	225	Channel 6
6498.67	51.29	H	--	--	Peak	2.29	0	2nd Harmonic of LO for
6498.67	48.22	H	--	--	Avg	2.29	0	Channel 6
9748	48.77	H	--	--	Peak	2.29	270	3rd Harmonic of LO for
9748	34	H	--	--	Avg	2.29	270	Channel 6
12997.3	51.04	H	--	--	Peak	2.32	225	4th Harmonic of LO for
12997.3	36.26	H	--	--	Avg	2.32	225	of Channel 6
								Only the Fundamental of the LO
								is in the Restricted Band

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 11 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3282.67	41.42	V	74	-32.58	Peak	3.06	180	Fundamental of LO for
3282.67	30.85	V	54	-23.15	Avg	3.06	180	Channel 11
6565.33	50.67	V	--	--	Peak	3.06	45	2nd Harmonic of LO for
6565.33	40.42	V	--	--	Avg	3.06	45	Channel 11
9848	45.37	V	--	--	Peak	3.08	225	3rd Harmonic of LO for
9848	32.66	V	--	--	Avg	3.05	225	Channel 11
13130.7	49.55	V	--	--	Peak	3.08	225	4th Harmonic of LO for
13130.7	36.02	V	--	--	Avg	3.08	225	of Channel 11
3282.67	41.04	H	74	-32.96	Peak	2.3	180	Fundamental of LO for
3282.67	32.98	H	54	-21.02	Avg	2.3	180	Channel 11
6565.33	52.39	H	--	--	Peak	2.6	0	2nd Harmonic of LO for
6565.33	49.69	H	--	--	Avg	2.6	0	Channel 11
9848	47.89	H	--	--	Peak	2.6	180	3rd Harmonic of LO for
9848	33.09	H	--	--	Avg	2.5	180	Channel 11
13130.7	50.25	H	--	--	Peak	2.5	90	4th Harmonic of LO for
13130.7	36.14	H	--	--	Avg	2.5	90	of Channel 11
								Only the Fundamental of the LO
								is in the Restricted Band

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Intel Corporation

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Model: WM3B2915ABG

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Date: 07/02/04

Lab: B

Tested By: Arnold Gaffud

Channel 6 - 802.11 b Mode

Receive Mode

[illegible]

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.05 dBm Avg. Power: 17.99 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	49.17	V	74	-24.83	Peak	1.5	270	
4824	33.23	V	54	-20.77	Avg	1.5	270	
7236	65.53	V	74	-8.47	Peak	2.5	270	
7236	42.76	V	54	-11.24	Avg	2.5	270	
9648	49.31	V	--	--	Peak	2	270	Not in Restricted Band
9648	34.41	V	--	--	Avg	2	270	Not in Restricted Band
12060	55.28	V	74	-18.72	Peak	2	315	
12060	40.38	V	54	-13.62	Avg	2	315	
14472	54.21	V	74	-19.79	Peak	2	45	
14472	38.72	V	54	-15.28	Avg	2	45	
16884	52.28	V	--	--	Peak	2.5	225	
16884	38.66	V	--	--	Avg	2.5	225	
19296		V	74	-74	Peak			No Emissions
19296		V	54	-54	Avg			Detected
21708		V	--	--	Peak			No Emissions
21708		V	--	--	Avg			Detected
24120		V	--	--	Peak			No Emissions
24120		V	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.05 dBm Avg. Power: 17.99 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	52.55	H	74	-21.45	Peak	2	45	
4824	36.74	H	54	-17.26	Avg	2	45	
7236	72.75	H	74	-1.25	Peak	2	0	
7236	48.69	H	54	-5.31	Avg	2	0	
9648	49.62	H	--	--	Peak	2	45	Not in Restricted Band
9648	34.31	H	--	--	Avg	2	45	Not in Restricted Band
12060	56.41	H	74	-17.59	Peak	2	270	
12060	39.81	H	54	-14.19	Avg	2	270	
14472	53.88	H	74	-20.12	Peak	2	225	
14472	38.45	H	54	-15.55	Avg	2	225	
16884	52.09	H	--	--	Peak	2.25	270	
16884	38.57	H	--	--	Avg	2.25	270	
19296		H	74	-74	Peak			No Emissions
19296		H	54	-54	Avg			Detected
21708		H	--	--	Peak			No Emissions
21708		H	--	--	Avg			Detected
24120		H	--	--	Peak			No Emissions
24120		H	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 6 - 802.11 g Mode**Transmit Mode**

Gain : 19.5 Peak Power: 23.76 dBm Avg. Power: 17.72 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	51.81	V	74	-22.19	Peak	2	45	
4874	35.44	V	54	-18.56	Avg	2	45	
7311	68.13	V	74	-5.87	Peak	282.7	45	
7311	46.32	V	54	-7.68	Avg	282.7	45	
9748	51.99	V	--	--	Peak	3.5	270	Not in Restricted Band
9748	36.76	V	--	--	Avg	3.5	270	Not in Restricted Band
12185	55.25	V	74	-18.75	Peak	3.5	270	
12185	40.74	V	54	-13.26	Avg	3.5	270	
14622	57.47	V	--	--	Peak	3	315	
14622	40.57	V	--	--	Avg	3	315	
17059	53.74	V	--	--	Peak	2.25	225	
17059	39.71	V	--	--	Avg	2.25	225	
19496	45.13	V	74	-28.87	Peak	2	45	
19496	31.18	V	54	-22.82	Avg	2	45	
21933		V	--	--	Peak			No Emissions
21933		V	--	--	Avg			Detected
22001		V	74	-74	Peak			No Emissions
22001		V	54	-54	Avg			Detected
24370		V	--	--	Peak			No Emissions
24370		V	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 6 - 802.11 g Mode**Transmit Mode**

Gain : 19.5 Peak Power: 23.76 dBm Avg. Power: 17.72 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	53.39	H	74	-20.61	Peak	2	0	
4874	36.58	H	54	-17.42	Avg	2	0	
7311	73.11	H	74	-0.89	Peak	2.5	0	Readings taken with
7311	48.68	H	54	-5.32	Avg	2.5	0	Gain of 19.5
9748	52.61	H	--	--	Peak	2	315	Not in Restricted Band
9748	37.02	H	--	--	Avg	2	315	Not in Restricted Band
12185	60.25	H	74	-13.75	Peak	2.25	315	
12185	43.51	H	54	-10.49	Avg	2.25	315	
14622	61.88	H	--	--	Peak	3.5	0	
14622	42.53	H	--	--	Avg	3.5	0	
17059	53.87	H	--	--	Peak	2	225	
17059	39.55	H	--	--	Avg	2	225	
19496		H	74	-74	Peak			No Emissions
19496		H	54	-54	Avg			Detected
21933		H	--	--	Peak			No Emissions
21933		H	--	--	Avg			Detected
22001		H	74	-74	Peak			No Emissions
22001		H	54	-54	Avg			Detected
24370		H	--	--	Peak			No Emissions
24370		H	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 11 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.13 dBm Avg. Power: 18.47 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	49.95	V	74	-24.05	Peak	2	315	
4924	32.89	V	54	-21.11	Avg	2	315	
7386	71.29	V	74	-2.71	Peak	1.75	0	
7386	45.02	V	54	-8.98	Avg	1.75	0	
9848	49.58	V	--	--	Peak	2.5	270	Not in Restricted Band
9848	33.63	V	--	--	Avg	2.5	270	Not in Restricted Band
12310	54.45	V	74	-19.55	Peak	2.5	315	
12310	38.64	V	54	-15.36	Avg	2.5	315	
14772	53.38	V	--	--	Peak	2.25	225	
14772	39.39	V	--	--	Avg	2.25	225	
17234	51.54	V	--	--	Peak	2.25	225	
17234	37.49	V	--	--	Avg	2.25	225	
19696	45.13	V	74	-28.87	Peak	2	45	
19696	31.15	V	54	-22.85	Avg	2	45	
22158		V	74	-74	Peak			No Emissions
22158		V	54	-54	Avg			Detected
24620		V	--	--	Peak			No Emissions
24620		V	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/06/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 11 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.13 dBm Avg. Power: 18.47 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	52.74	H	74	-21.26	Peak	2	0	
4924	35.78	H	54	-18.22	Avg	2	0	
7386	73.83	H	74	-0.17	Peak	2.5	0	
7386	49.7	H	54	-4.3	Avg	2.5	0	
9848	53.59	H	--	--	Peak	2	315	Not in Restricted Band
9848	35.62	H	--	--	Avg	2	315	Not in Restricted Band
12310	57.7	H	74	-16.3	Peak	2.25	315	
12310	40.37	H	54	-13.63	Avg	2.25	315	
14772	59.32	H	--	--	Peak	3.25	0	
14772	40.26	H	--	--	Avg	3.25	0	
17234	51.41	H	--	--	Peak	2	270	
17234	37.51	H	--	--	Avg	2	270	
19696		H	74	-74	Peak			No Emissions
19696		H	54	-54	Avg			Detected
22158		H	74	-74	Peak			No Emissions
22158		H	54	-54	Avg			Detected
24620		H	--	--	Peak			No Emissions
24620		H	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.05 dBm Avg. Power: 17.99 dBm

Channel 6 - 802.11 g Mode**Transmit Mode**

Gain : 19.5 Peak Power: 23.76 dBm Avg. Power: 17.72 dBm

Channel 11 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.13 dBm Avg. Power: 18.47 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2312	48.5	V	74	-25.5	Peak	2.75	90	103 MHz Below the Fundamental
2312	44.51	V	54	-9.49	Avg	2.75	90	of Channel 1
2512	51.57	V	74	-22.43	Peak	3	270	103 MHz Above the Fundamental
2512	46.68	V	54	-7.32	Avg	3	270	of Channel 1
2312	52.03	H	74	-21.97	Peak	2	0	103 MHz Below the Fundamental
2312	48.75	H	54	-5.25	Avg	2	0	of Channel 1
2512	55.1	H	74	-18.9	Peak	3	0	103 MHz Above the Fundamental
2512	50.83	H	54	-3.17	Avg	3	0	of Channel 1
2336	50.93	V	74	-23.07	Peak	2.75	90	103 MHz Below the Fundamental
2336	47.53	V	54	-6.47	Avg	2.75	90	of Channel 6
2538.7	50.66	V	74	-23.34	Peak	3	270	103 MHz Above the Fundamental
2538.7	46.81	V	54	-7.19	Avg	3	270	of Channel 6
2336	54.86	H	74	-19.14	Peak	2	315	103 MHz Below the Fundamental
2336	51.64	H	54	-2.36	Avg	2	315	of Channel 6
2538.7	55.8	H	74	-18.2	Peak	1.75	0	103 MHz Above the Fundamental
2538.7	51.39	H	54	-2.61	Avg	1.75	0	of Channel 6
2360	50.07	V	74	-23.93	Peak	2.75	90	103 MHz Below the Fundamental
2360	45.41	V	54	-8.59	Avg	2.75	90	of Channel 11
2565	47.92	V	74	-26.08	Peak	1.75	90	103 MHz Above the Fundamental
2565	41.13	V	54	-12.87	Avg	1.75	90	of Channel 11
2360	53.79	H	74	-20.21	Peak	1.5	315	103 MHz Below the Fundamental
2360	49.43	H	54	-4.57	Avg	1.5	315	of Channel 11
2564	52.98	H	74	-21.02	Peak	3	315	103 MHz Above the Fundamental
2564	46.5	H	54	-7.5	Peak	3	315	of Channel 11

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.05 dBm Avg. Power: 17.99 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3216	37.52	V	74	-36.48	Peak	3	135	Fundamental of LO for
3216	29.14	V	54	-24.86	Avg	3	135	Channel 1
6432	44.32	V	--	--	Peak	3.5	180	2nd Harmonic of LO for
6432	39.22	V	--	--	Avg	3.5	180	Channel 1
9648	49.31	V	--	--	Peak	2	270	3rd Harmonic of LO
9648	34.41	V	--	--	Avg	2	270	Channel 1
12864	46.19	V	--	--	Peak	2.25	225	4th Harmonic of LO for
12864	32.38	V	--	--	Avg	2.25	225	Channel 1
3216	40.91	H	74	-33.09	Peak	3	315	Fundamental of LO for
3216	33.36	H	54	-20.64	Avg	3	315	Channel 1
6432	48.09	H	--	--	Peak	2	315	2nd Harmonic of LO for
6432	45.76	H	--	--	Avg	2	315	Channel 1
9648	49.62	H	--	--	Peak	2	45	3rd Harmonic of LO
9648	34.31	H	--	--	Avg	2	45	Channel 1
12864	46.01	H	--	--	Peak	2	225	4th Harmonic of LO for
12864	32.34	H	--	--	Avg	2	225	Channel 1
								Only the Fundamental of the LO
								is in the Restricted Band

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 6 - 802.11 g Mode**Transmit Mode**

Gain : 19.5 Peak Power: 23.76 dBm Avg. Power: 17.72 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3249.33	39.19	V	74	-34.81	Peak	3	0	Fundamental of LO for
3249.33	32.16	V	54	-21.84	Avg	3	0	Channel 6
6498.67	45.93	V	--	--	Peak	3.5	45	2nd Harmonic of LO for
6498.67	42.08	V	--	--	Avg	3.5	45	Channel 6
9748	51.99	V	--	--	Peak	3.5	270	3rd Harmonic of LO
9748	36.76	V	--	--	Avg	3.5	270	Channel 6
12997.3	46.82	V	--	--	Peak	2.5	270	4th Harmonic of LO for
12997.3	32.89	V	--	--	Avg	2.5	270	Channel 6
3249.33	41.84	H	74	-32.16	Peak	2.5	180	Fundamental of LO for
3249.33	33.25	H	54	-20.75	Avg	2.5	180	Channel 6
6498.67	51.07	H	--	--	Peak	2.5	0	2nd Harmonic of LO for
6498.67	49.09	H	--	--	Avg	2.5	0	Channel 6
9748	52.61	H	--	--	Peak	2	315	3rd Harmonic of LO
9748	37.02	H	--	--	Avg	2	315	Channel 6
12997.3	46.89	H	--	--	Peak	2	225	4th Harmonic of LO for
12997.3	33.15	H	--	--	Avg	2	225	of Channel 6
								Only the Fundamental of the LO
								is in the Restricted Band

FCC 15.247

Intel Corporation

Date: 07/02/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 11 - 802.11 g Mode**Transmit Mode**

Gain : 21.0 Peak Power: 24.13 dBm Avg. Power: 18.47 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
3282.67	40.18	V	74	-33.82	Peak	3	180	Fundamental of LO for
3282.67	30.35	V	54	-23.65	Avg	3	180	Channel 11
6565.33	46.85	V	--	--	Peak	3.5	180	2nd Harmonic of LO for
6565.33	41.61	V	--	--	Avg	3.5	180	Channel 11
9848	49.58	V	--	--	Peak	2.5	270	3rd Harmonic of LO
9848	33.63	V	--	--	Avg	2.5	270	Channel 11
13130.7	49.32	V	--	--	Peak	2.25	225	4th Harmonic of LO for
13130.7	36.11	V	--	--	Avg	2.25	225	of Channel 11
3282.67	42.6	H	74	-31.4	Peak	1.75	180	Fundamental of LO for
3282.67	33.99	H	54	-20.01	Avg	1.75	180	Channel 11
6565.33	52.17	H	--	--	Peak	2.5	0	2nd Harmonic of LO for
6565.33	49.38	H	--	--	Avg	2.5	0	Channel 11
9848	53.59	H	--	--	Peak	2	315	3rd Harmonic of LO
9848	35.62	H	--	--	Avg	2	315	Channel 11
13130.7	49.95	H	--	--	Peak	2	225	4th Harmonic of LO for
13130.7	36.21	H	--	--	Avg	2	225	of Channel 11
								Only the Fundamental of the LO
								is in the Restricted Band

Intel Corporation

Model: WM3B2915ABG

Date: 07/02/04

Lab: B

Tested By: Arnold Gaffud

Receive Mode

[illegible]

Intel Corporation

Model: WM3B2195ABG

Date: 07/01/04

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.01 dBm

[illegible]

Intel Corporation

Model: WM3B2195ABG

Date: 07/01/04

Lab: B

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.01 dBm

[illegible]

Intel Corporation

Model: WM3B2195ABG

Date: 07/01/04

Lab: B

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.28 dBm

[illegible]

Intel Corporation

Model: WM3B2195ABG

Date: 07/01/04

Lab: B

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.28 dBm

[illegible]

Intel Corporation

Date: 07/01/04

Lab: B

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.24 dBm

[illegible]

Intel Corporation

Model: WM3B2195ABG

Date: 07/01/04

Lab: B

Tested By: Arnold Gaffud

Transmit Mode

Avg. Power: 17.24 dBm

[illegible]

FCC 15.247

Intel Corporation

Date: 07/01/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2195ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 149 - 802.11 a Mode**Transmit Mode**

Gain : 18.5 Peak Power: 20.25 dBm Avg. Power: 17.01 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
7660	53.96	V	74	-20.04	Peak	2.28	0	Fundamental of LO for
7660	49.03	V	54	-4.97	Avg	2.28	0	Channel 149
15320	54.71	V	74	-74	Peak	2.28	270	2nd Harmonic of LO for
15320	41.07	V	54	-54	Avg	2.28	270	Channel 149
22980		V	74	-74	Peak			No Emissions
22980		V	54	-54	Avg			Detected
30640		V	--	--	Peak			No Emissions
30640		V	--	--	Avg			Detected
38300		V	--	--	Peak			No Emissions
38300		V	--	--	Avg			Detected
7660	54.84	H	74	-19.16	Peak	1.27	45	Fundamental of LO for
7660	50.02	H	54	-3.98	Avg	1.27	45	Channel 149
15320	54.64	H	74	-74	Peak	1.67	180	2nd Harmonic of LO for
15320	41.18	H	54	-54	Avg	1.67	180	Channel 149
22980		H	74	-74	Peak			No Emissions
22980		H	54	-54	Avg			Detected
30640		H	--	--	Peak			No Emissions
30640		H	--	--	Avg			Detected
38300		H	--	--	Peak			No Emissions
38300		H	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/01/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2195ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 157 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.37 dBm Avg. Power: 17.28 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
7713.33	50.27	V	74	-23.73	Peak	2.28	315	Fundamental of LO for
7713.3	44.61	V	54	-9.39	Avg	2.28	315	Channel 157
15246.7	55.77	V	--	--	Peak	2.28	270	2nd Harmonic of LO for
15246.7	42.6	V	--	--	Avg	2.28	270	Channel 157
23140		V	74	-74	Peak			No Emissions
23140		V	54	-54	Avg			Detected
30853		V	--	--	Peak			No Emissions
30853		V	--	--	Avg			Detected
38567		V	--	--	Peak			No Emissions
38567		V	--	--	Avg			Detected
7713.33	51.68	H	74	-22.32	Peak	2.26	45	Fundamental of LO for
7713.33	46.08	H	54	-7.92	Avg	2.26	45	Channel 157
15246.7	57.68	H	--	--	Peak	2.26	45	2nd Harmonic of LO for
15246.7	42.78	H	--	--	Avg	2.26	45	Channel 157
23140		H	74	-74	Peak			No Emissions
23140		H	54	-54	Avg			Detected
30853		H	--	--	Peak			No Emissions
30853		H	--	--	Avg			Detected
38567		H	--	--	Peak			No Emissions
38567		H	--	--	Avg			Detected

FCC 15.247

Intel Corporation

Date: 07/01/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2195ABG

Tested By: Arnold Gaffud

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 165 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.42 dBm Avg. Power: 17.24 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
7766.67	48.75	V	--	--	Peak	2.32	0	Fundamental of LO for
7766.7	42.75	V	--	--	Avg	2.32	0	Channel 165
15533.3	54.12	V	74	-19.88	Peak	2.32	270	2nd Harmonic of LO for
15533	41.45	V	54	-12.55	Avg	2.32	270	Channel 165
23300		V	--	--	Peak			No Emissions
23300		V	--	--	Avg			Detected
31066		V	--	--	Peak			No Emissions
31066		V	--	--	Avg			Detected
38833		V	74	-74	Peak			No Emissions
38833		V	54	-54	Avg			Detected
7766.67	50.12	H	--	--	Peak	2.43	270	Fundamental of LO for
7766.7	42.86	H	--	--	Avg	2.43	270	Channel 165
15533.3	56.79	H	74	-17.21	Peak	2.43	45	2nd Harmonic of LO for
15533	41.41	H	54	-12.59	Avg	2.43	45	Channel 165
23300		H	--	--	Peak			No Emissions
23300		H	--	--	Avg			Detected
31066		H	--	--	Peak			No Emissions
31066		H	--	--	Avg			Detected
38833		H	74	-74	Peak			No Emissions
38833		H	54	-54	Avg			Detected

Intel Corporation	Date: 07/01/04
Intel Mini PCI Type 802.11ABG Wireless LAN Adapter	Lab: B
Model: WM3B2195ABG	Tested By: Arnold Gaffud
Configuration: Hewlett Packard Series PP3006 Tablet Computer	

Lab: B

Tested By: Arnold Gaffud

[illegible]



Test Location : Compatible Electronics **Page** : 1/1
Customer : Intel Corporation **Date** : 7/09/2004
Manufacturer : Intel Corporation **Time** : 9:42:02
Eut name : Intel Mini PCI Type 802.11ABG WLAN Adapter **Lab** : A
Model : WM3B2915ABG **Test Distance** : 3.0 Meters
Serial # : N/A
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Radiated Emissions 10 kHz to 1000 MHz
Vertical Polarization
Transmit Mode Worse Case -- For the PP3006 Platform
Tested By: Kyle Fujimoto

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1V	41.468	52.20	1.83	10.53	32.40	32.16	40.00	-7.84
2V	45.976	48.90	1.92	9.49	32.40	27.91	40.00	-12.09
3V	64.217	49.00	2.23	9.33	32.46	28.11	40.00	-11.89
4V	69.499	51.10	2.39	8.20	32.40	29.28	40.00	-10.72
5V	323.956	45.40	3.70	13.30	32.25	30.15	46.00	-15.85
6V	365.367	45.00	3.96	13.93	32.20	30.69	46.00	-15.31
7V	467.279	41.70	4.94	16.49	32.00	31.13	46.00	-14.87
8V	486.866	51.10	5.10	17.04	32.00	41.24	46.00	-4.76
9V	432.040	47.90	4.63	15.44	32.07	35.89	46.00	-10.11
10V	515.484	48.80	5.26	17.65	31.94	39.78	46.00	-6.22
11V	528.058	48.90	5.31	17.85	31.89	40.18	46.00	-5.82
12V	720.089	41.80	6.12	20.07	31.78	36.20	46.00	-9.80



Test Location : Compatible Electronics **Page** : 1/1
Customer : Intel Corporation **Date** : 7/09/2004
Manufacturer : Intel Corporation **Time** : 10:11:43
Eut name : Intel Mini PCI Type 802.11ABG WLAN Adapter **Lab** : A
Model : WM3B2915ABG **Test Distance** : 3.0 Meters
Serial # : N/A
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Radiated Emissions 10 kHz to 1000 MHz
Horizontal Polarization
Transmit Mode Worse Case -- For the PP3006 Platform
Test By: Kyle Fujimoto

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	300.000	40.80	3.60	12.90	32.30	25.00	46.00	-21.00
2H	346.465	40.60	3.79	13.65	32.21	25.83	46.00	-20.17
3H	352.860	40.00	3.83	13.75	32.20	25.38	46.00	-20.62
4H	406.225	37.50	4.37	14.61	32.17	24.30	46.00	-21.70
5H	472.079	38.70	4.98	16.63	32.00	28.31	46.00	-17.69
6H	507.615	35.90	5.23	17.52	31.97	26.69	46.00	-19.31
7H	752.358	41.90	6.00	20.79	31.88	36.82	46.00	-9.18
8H	550.066	36.90	5.40	18.19	31.80	28.69	46.00	-17.31
9H	40.066	36.30	1.80	11.17	32.40	16.87	40.00	-23.13

FCC 15.247

Intel Corporation

Date: 07/08/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Digital Portion - 1 GHz to 40 GHz

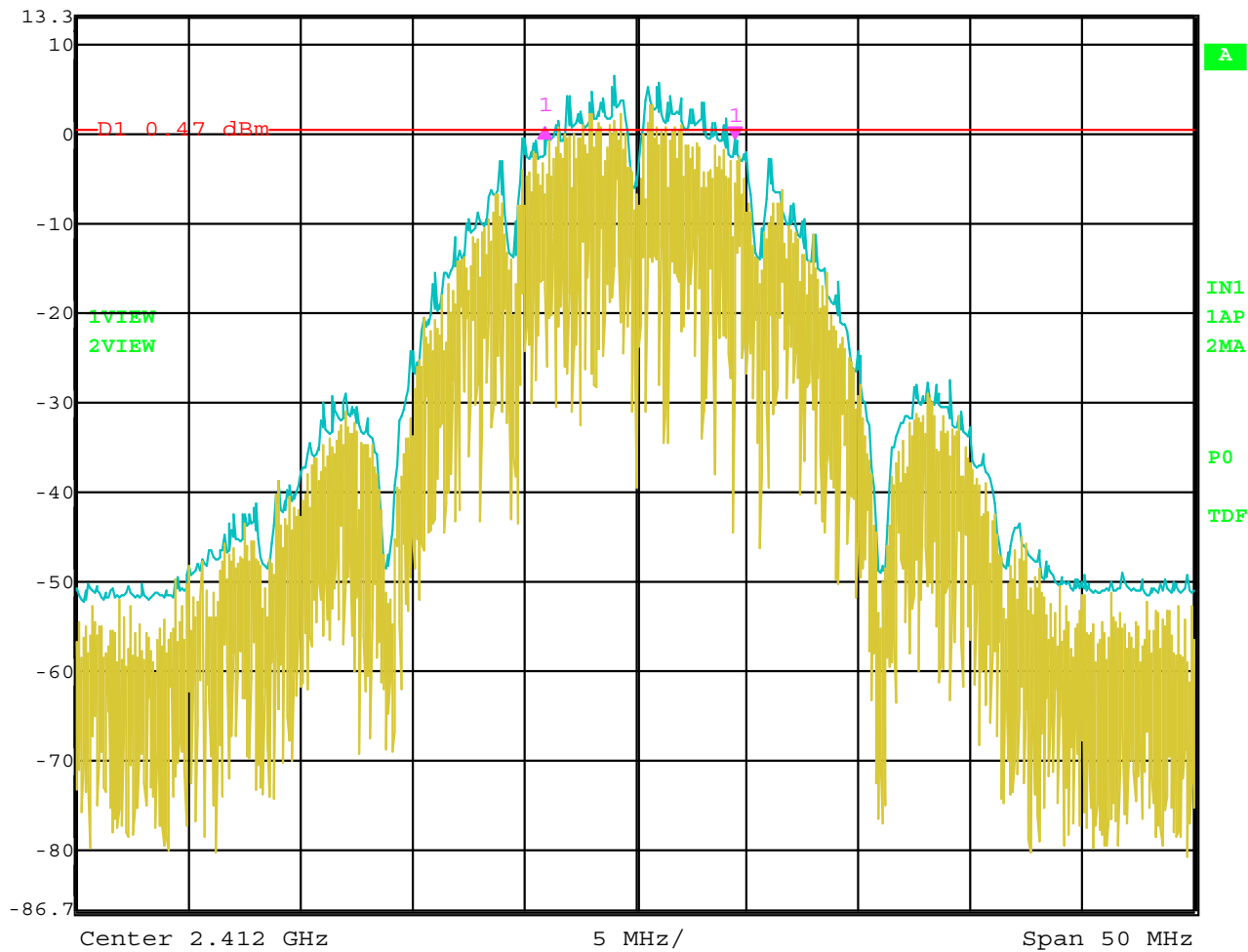
Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
1202.8	37.19	V	74	-36.81	Peak	3.25	315	
1202.8	30.73	V	54	-23.27	Avg	3.25	315	
1603.7	40.7	V	74	-33.3	Peak	3	0	
1603.7	36.74	V	54	-17.26	Avg	3	0	
1603.6	36.44	H	74	-37.56	Peak	2.5	270	
1603.6	30.66	H	54	-23.34	Avg	2.5	270	

-6 dB BANDWIDTH

DATA SHEETS



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.21 dB VBW 300 kHz
13.3 dBm -8.51703407 MHz SWT 12.5 ms Unit dBm

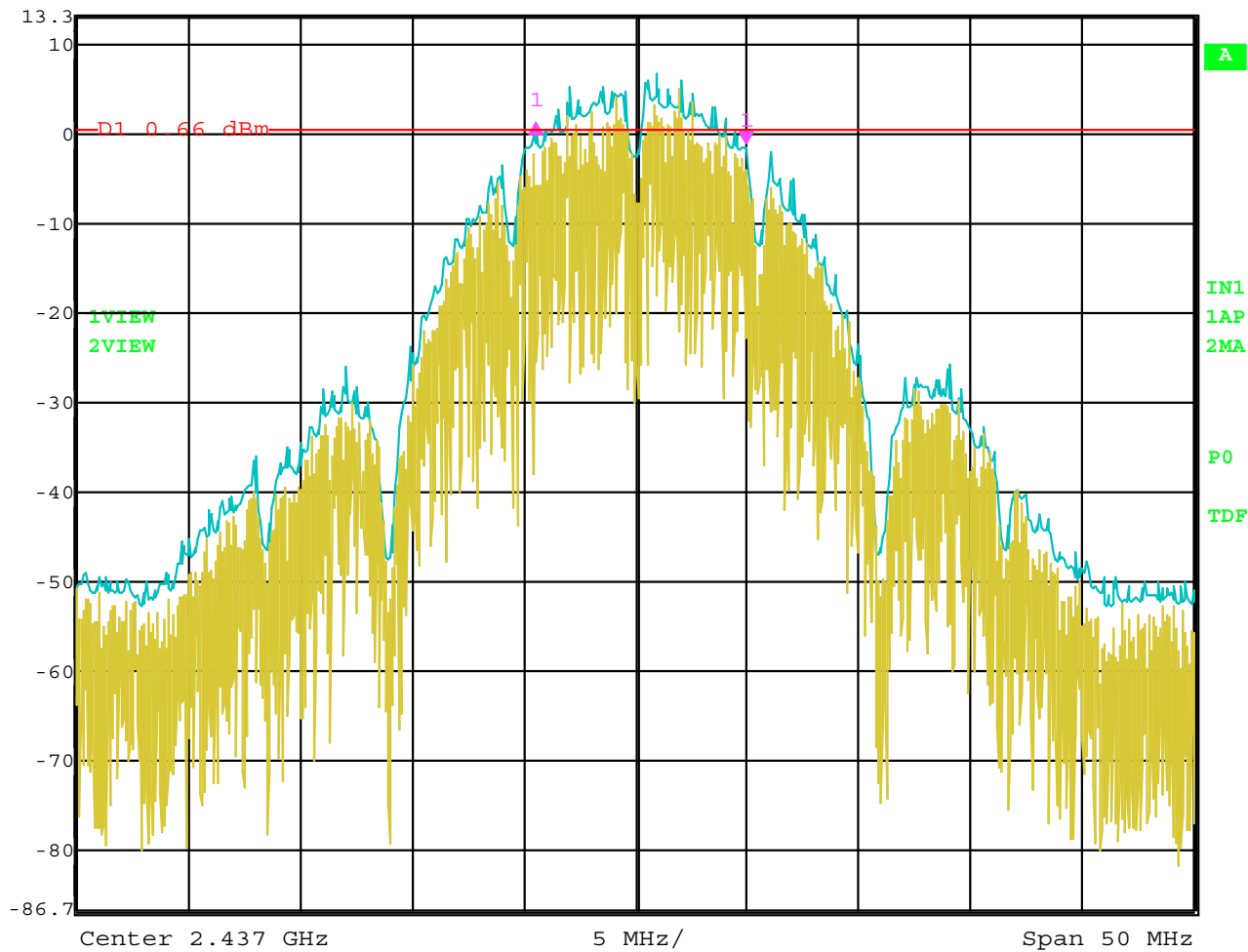


Date: 8.JUL.2004 06:52:35

Bandwidth 6 dB – Channel 1 – 802.11 b Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 2.14 dB VBW 300 kHz
13.3 dBm -9.41883768 MHz SWT 12.5 ms Unit dBm

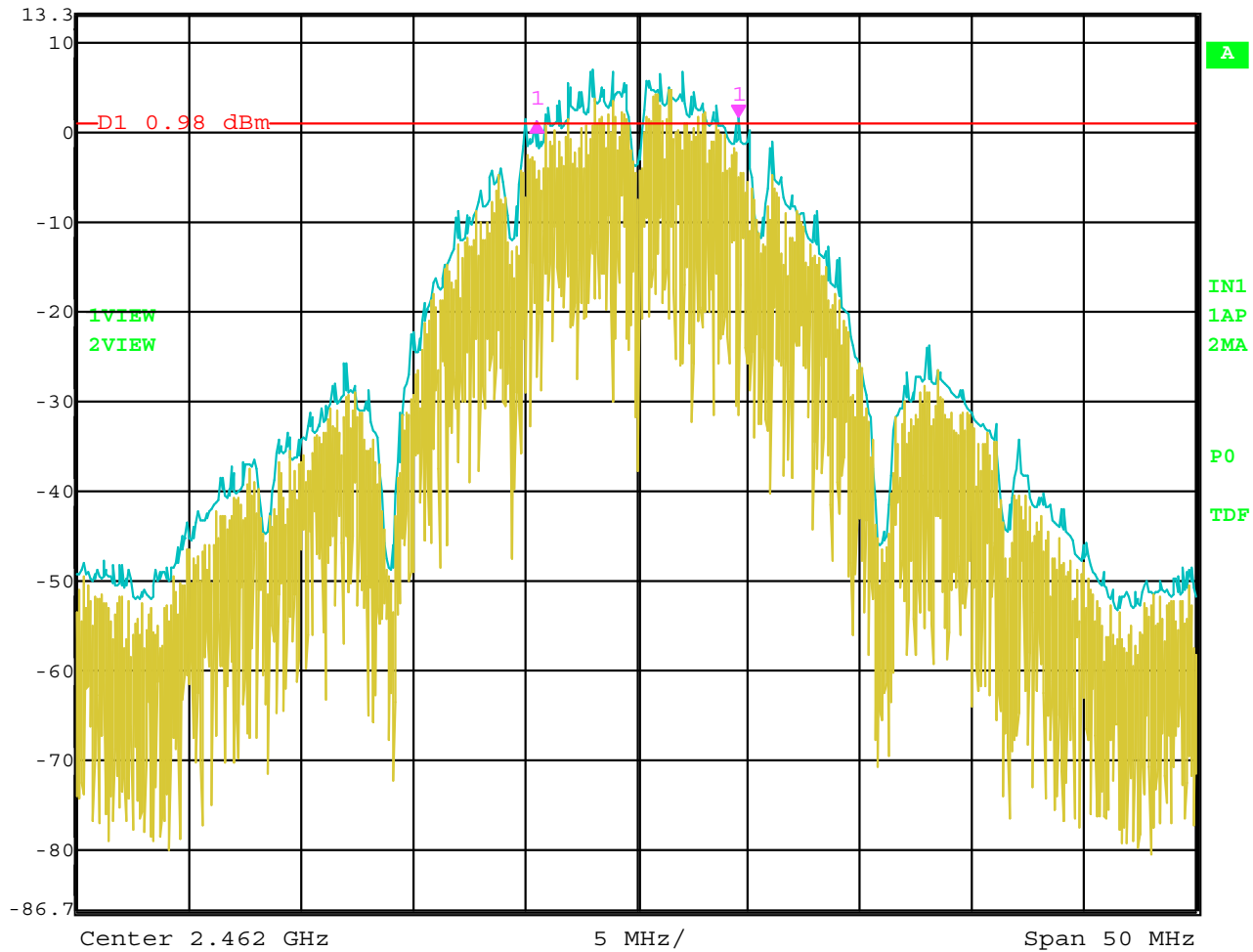


Date: 8.JUL.2004 06:55:32

Bandwidth 6 dB – Channel 6 – 802.11 b Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.52 dB VBW 300 kHz
13.3 dBm -9.01803607 MHz SWT 12.5 ms Unit dBm

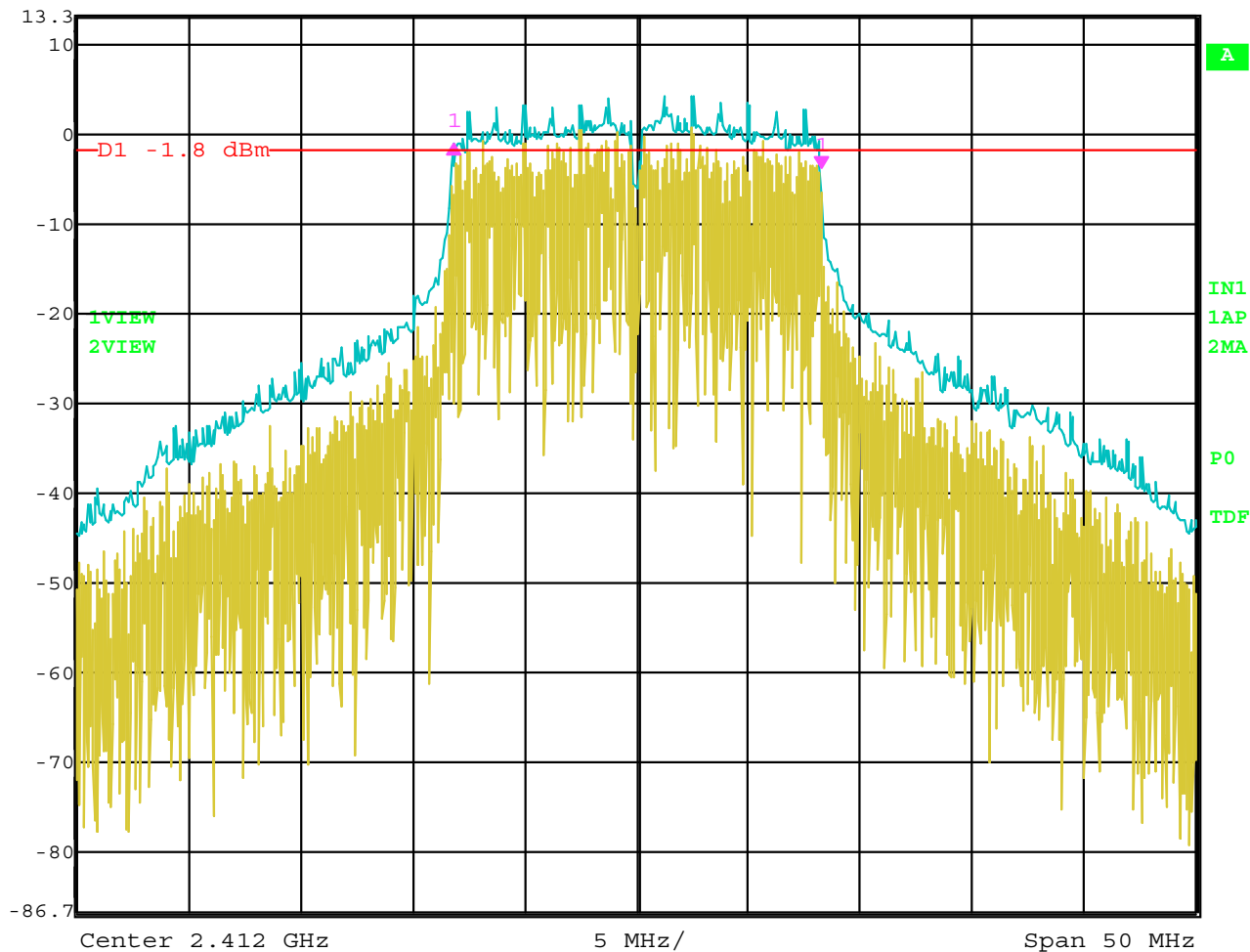


Date: 8.JUL.2004 06:57:28

Bandwidth 6 dB – Channel 11 – 802.11 b Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 2.75 dB VBW 300 kHz
13.3 dBm -16.43286573 MHz SWT 12.5 ms Unit dBm

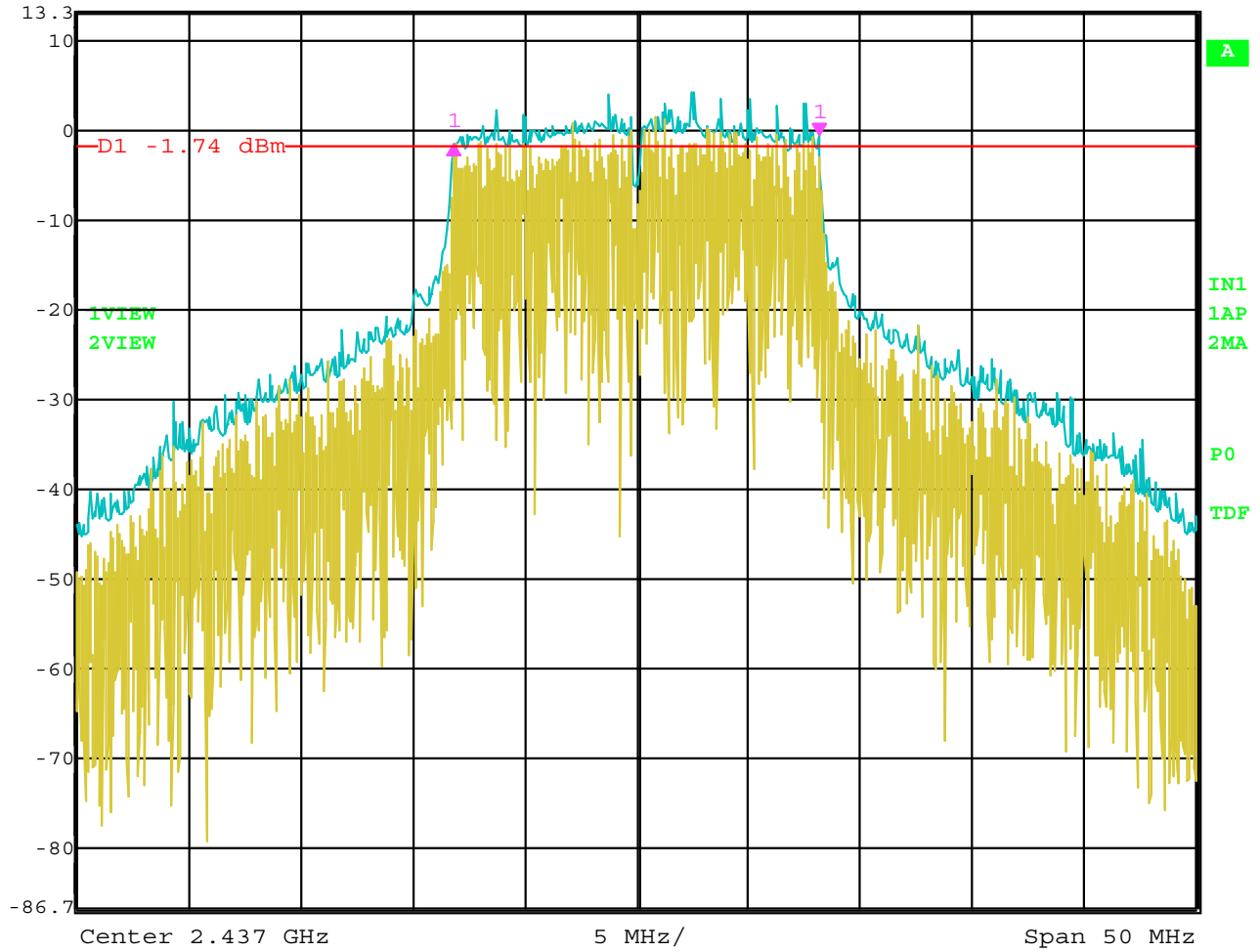


Date: 8.JUL.2004 07:02:52

Bandwidth 6 dB – Channel 1 – 802.11 g Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.80 dB VBW 300 kHz
13.3 dBm -16.33266533 MHz SWT 12.5 ms Unit dBm

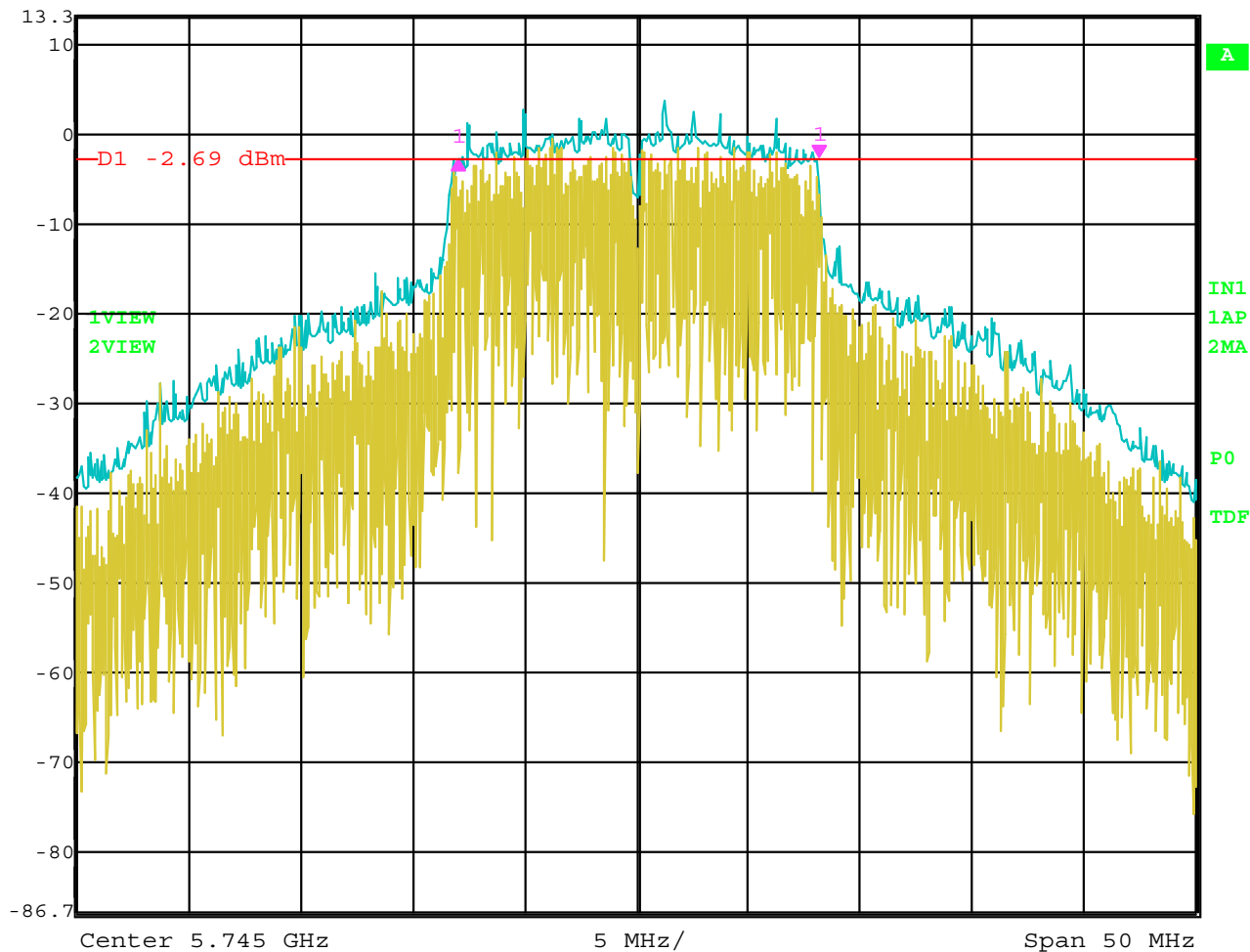


Date: 8.JUL.2004 07:04:18

Bandwidth 6 dB – Channel 6 – 802.11 g Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.03 dB VBW 300 kHz
13.3 dBm -16.13226453 MHz SWT 12.5 ms Unit dBm

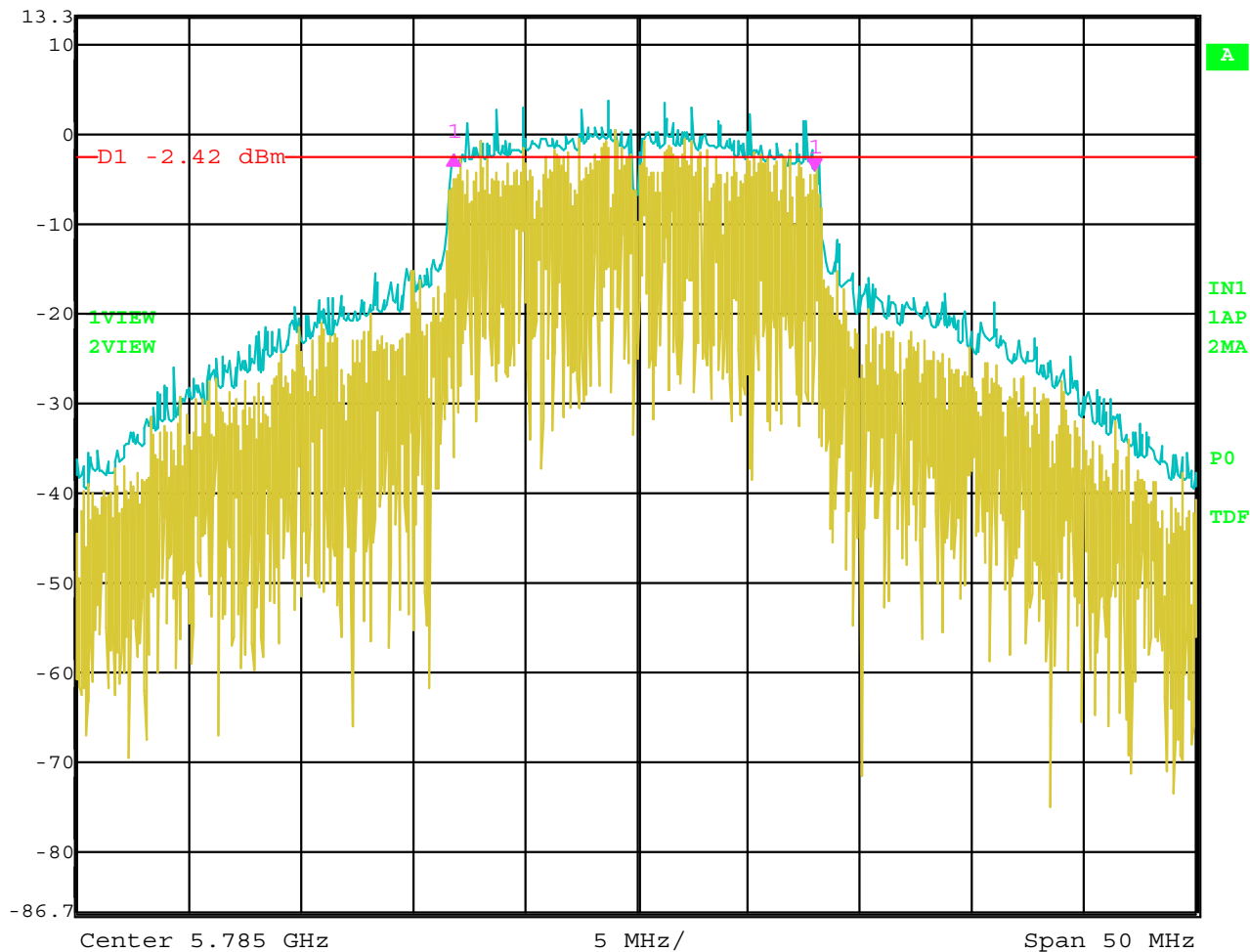


Date: 8.JUL.2004 08:50:44

Bandwidth 6 dB - Channel 149 - 802.11 a Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.81 dB VBW 300 kHz
13.3 dBm -16.13226453 MHz SWT 12.5 ms Unit dBm

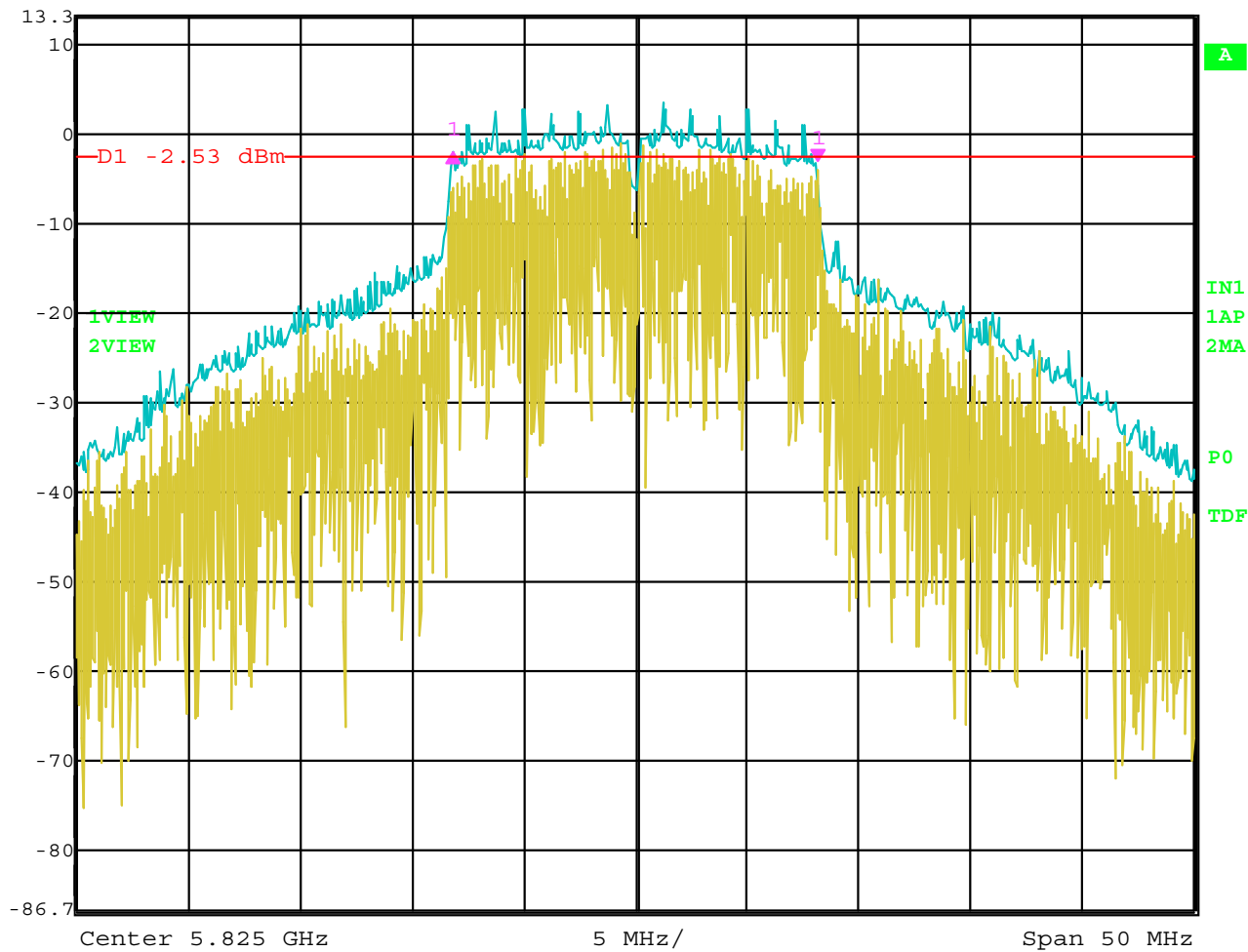


Date: 8.JUL.2004 08:52:40

Bandwidth 6 dB - Channel 157 - 802.11 a Mode



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	0.88 dB	VBW	300 kHz		
	-16.33266533 MHz	SWT	12.5 ms	Unit	dBm



Date: 8.JUL.2004 08:55:02

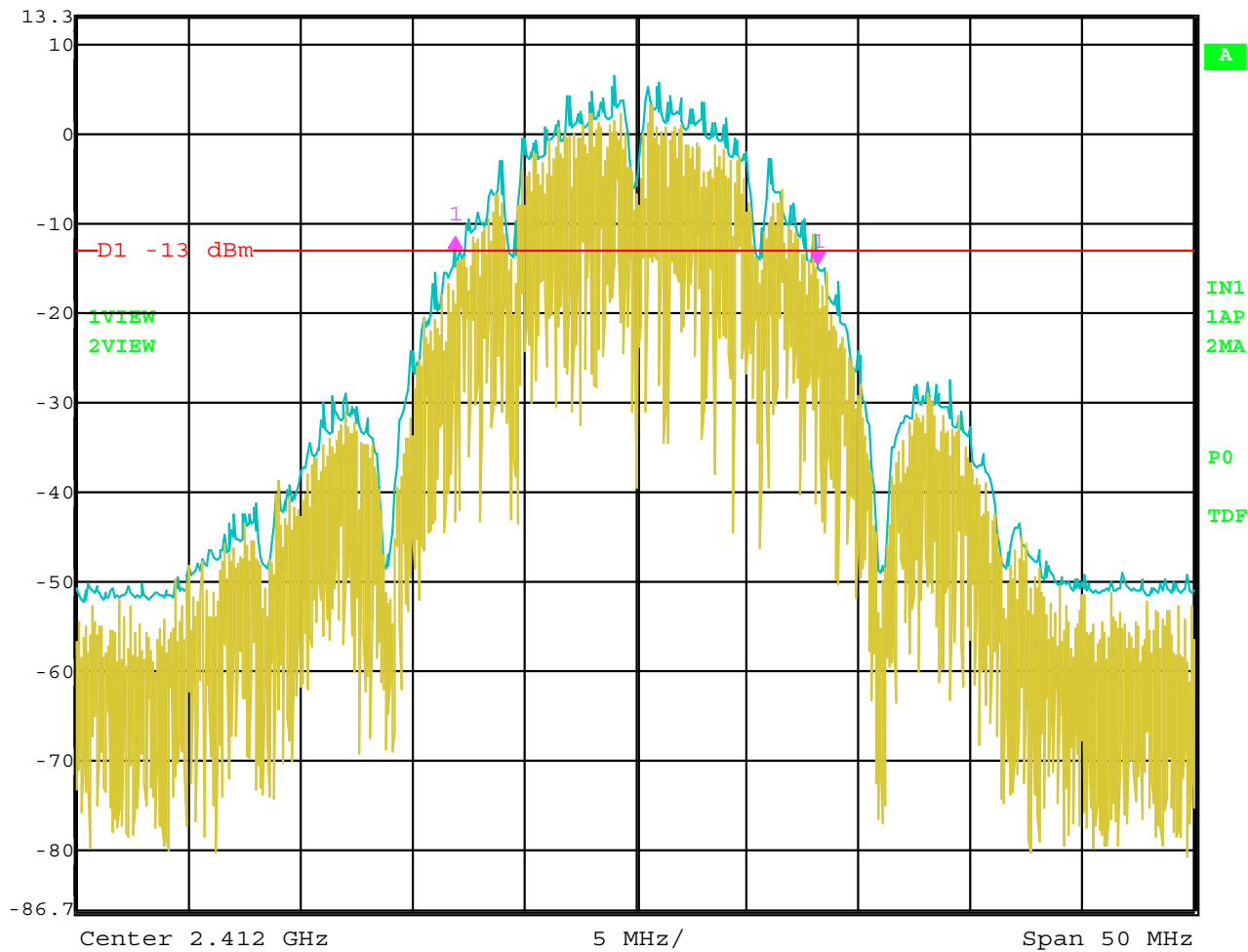
Bandwidth 6 dB - Channel 165 - 802.11 a Mode

-20 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	3.07 dB	VBW	300 kHz		
	-16.23246493 MHz	SWT	12.5 ms	Unit	dBm

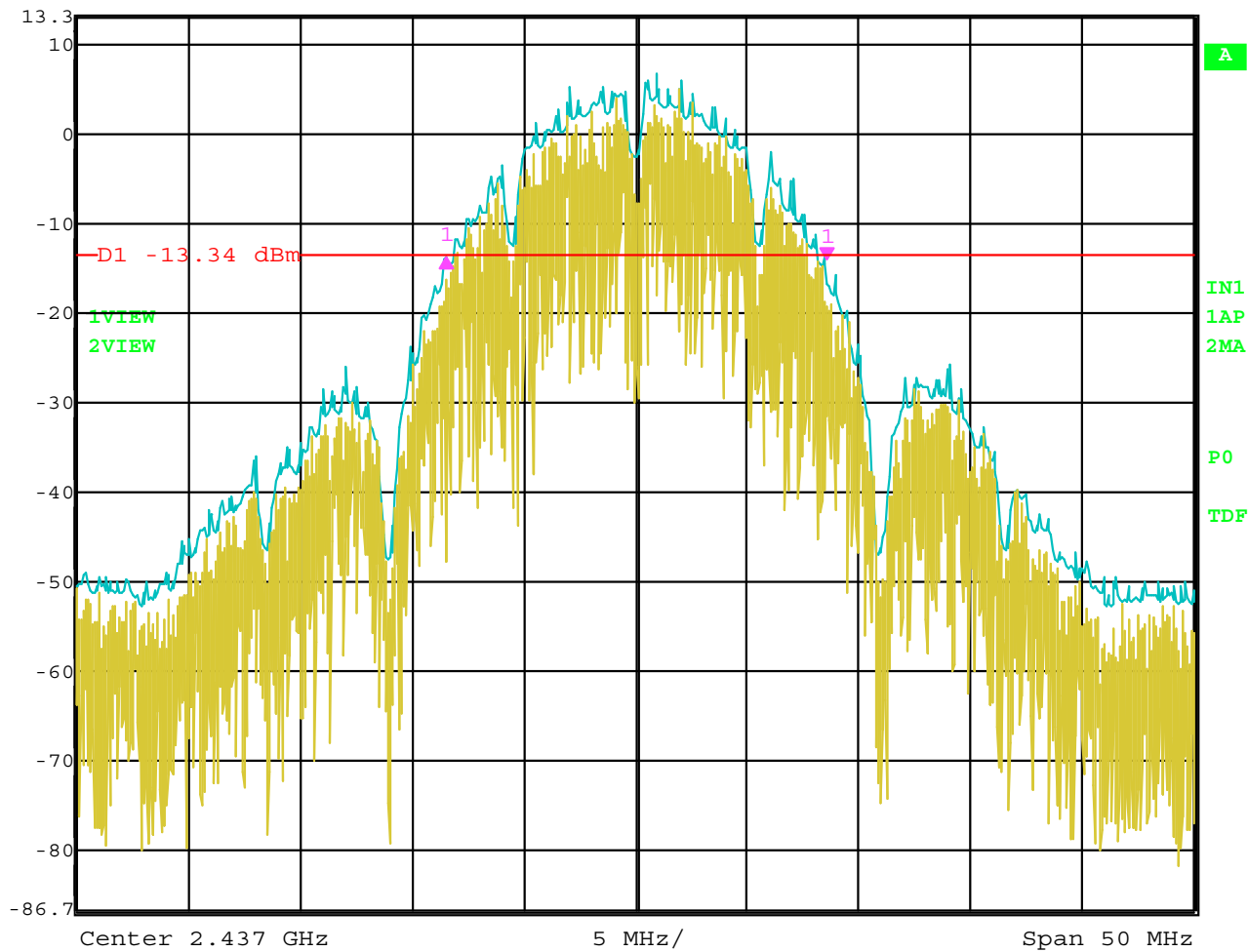


Date: 8.JUL.2004 06:53:51

Bandwidth 20 dB – Channel 1 – 802.11 b Mode



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	0.37 dB	VBW	300 kHz		
	-17.03406814 MHz	SWT	12.5 ms	Unit	dBm

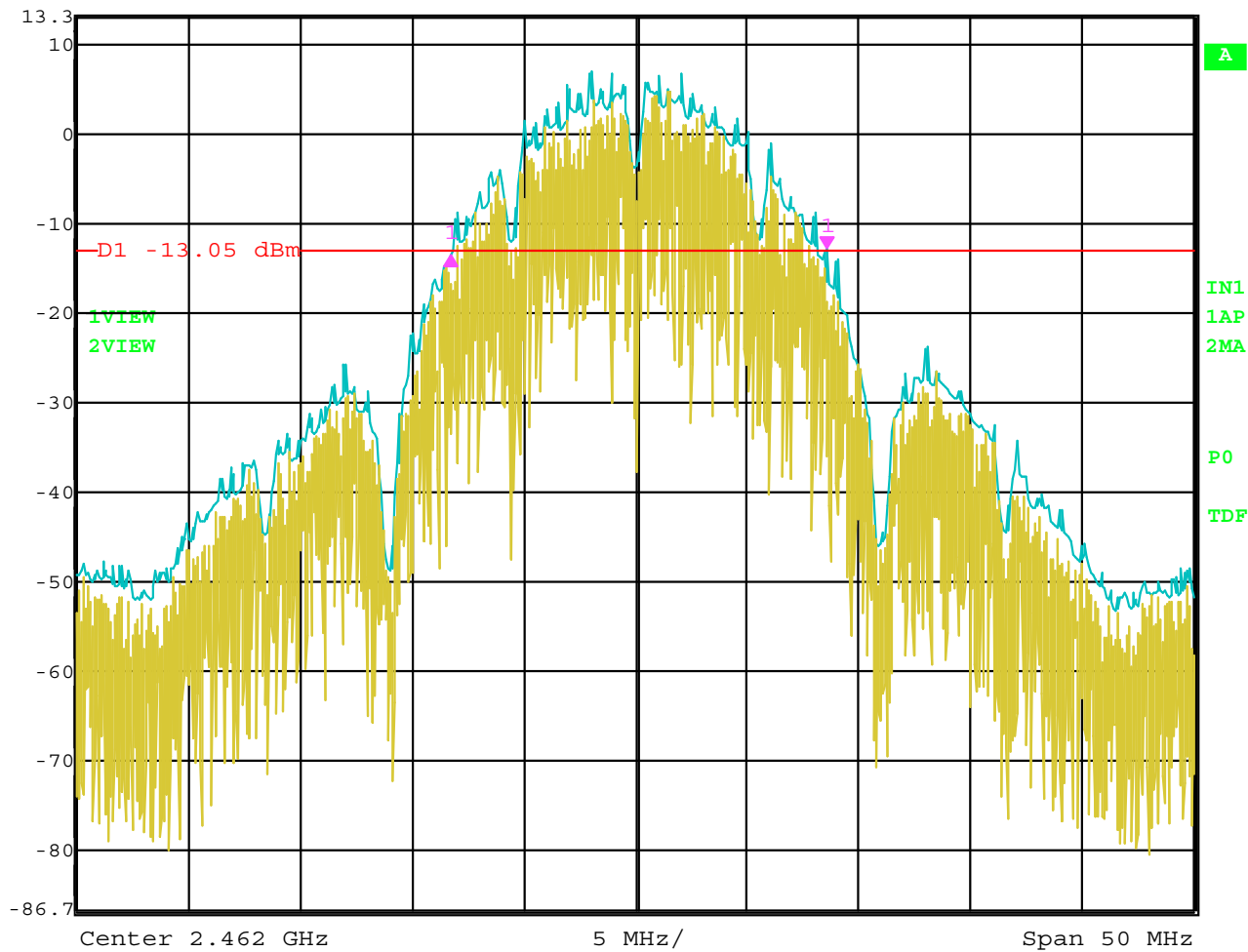


Date: 8.JUL.2004 06:56:18

Bandwidth 20 dB – Channel 6 – 802.11 b Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -0.84 dB VBW 300 kHz
13.3 dBm -16.83366733 MHz SWT 12.5 ms Unit dBm

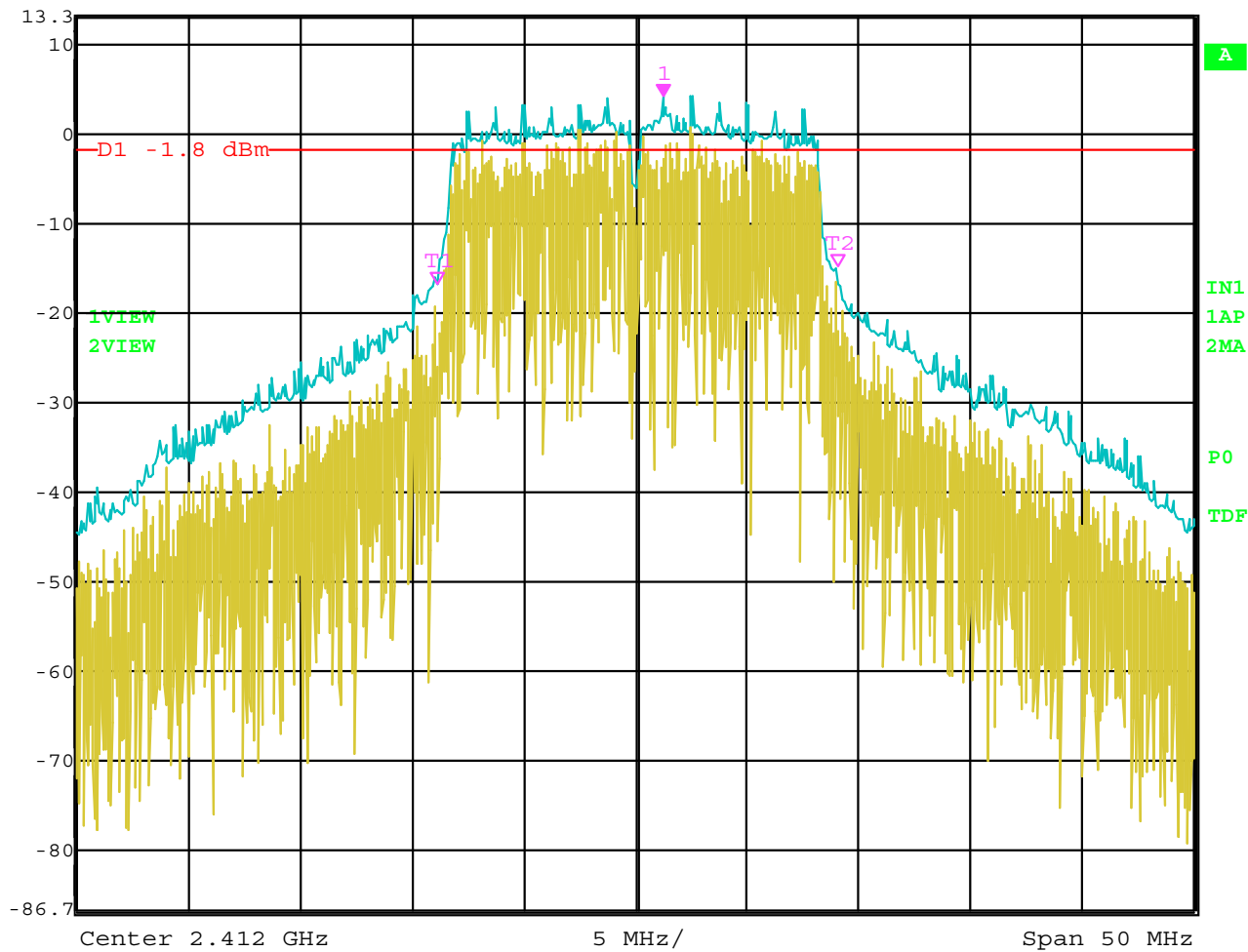


Date: 8.JUL.2004 06:58:16

Bandwidth 20 dB – Channel 11 – 802.11 b Mode



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 17.93587174 MHz	SWT	12.5 ms	Unit	dBm

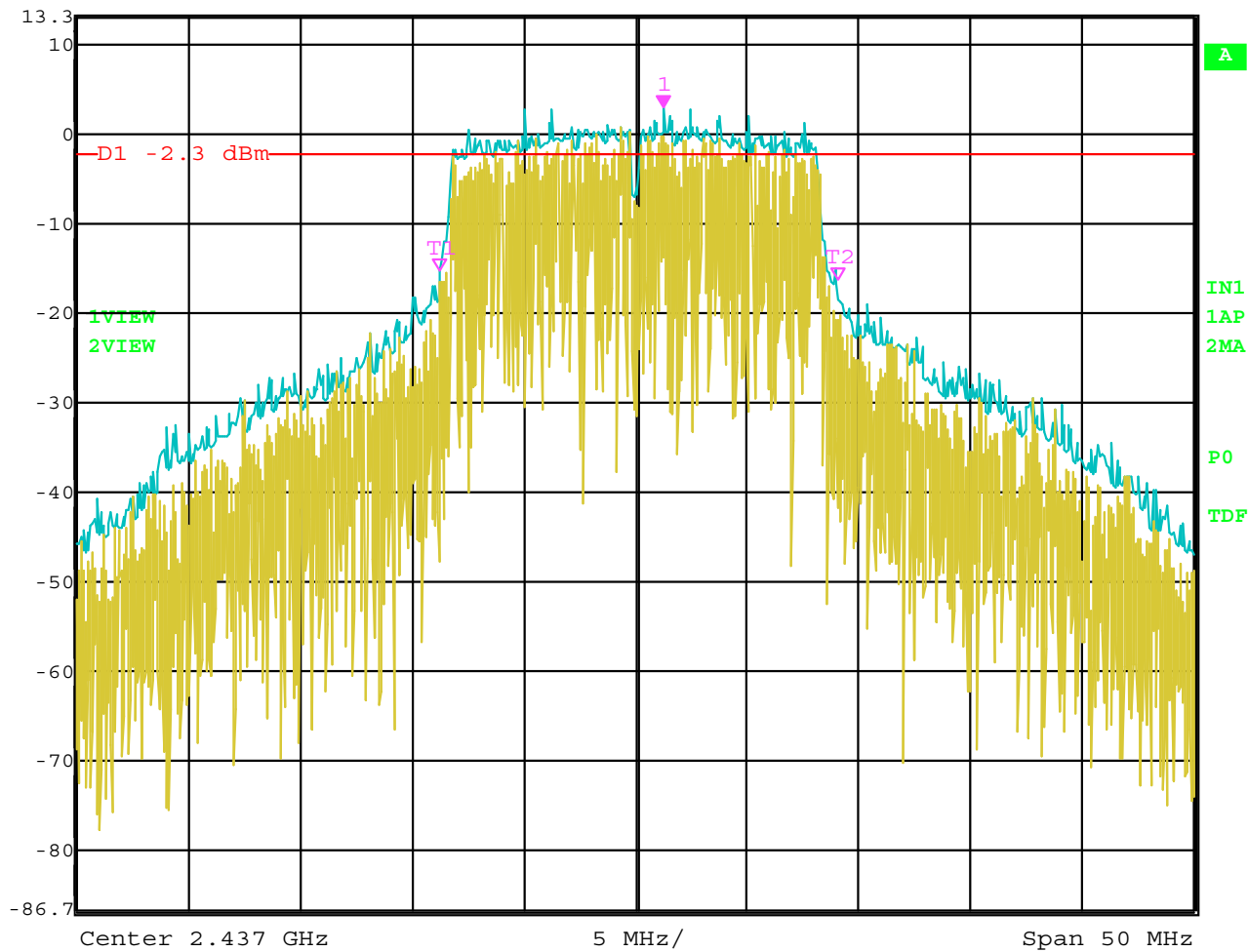


Date: 8.JUL.2004 07:03:19

Bandwidth 20 dB – Channel 1 – 802.11 g Mode



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 17.83567134 MHz	SWT	12.5 ms	Unit	dBm

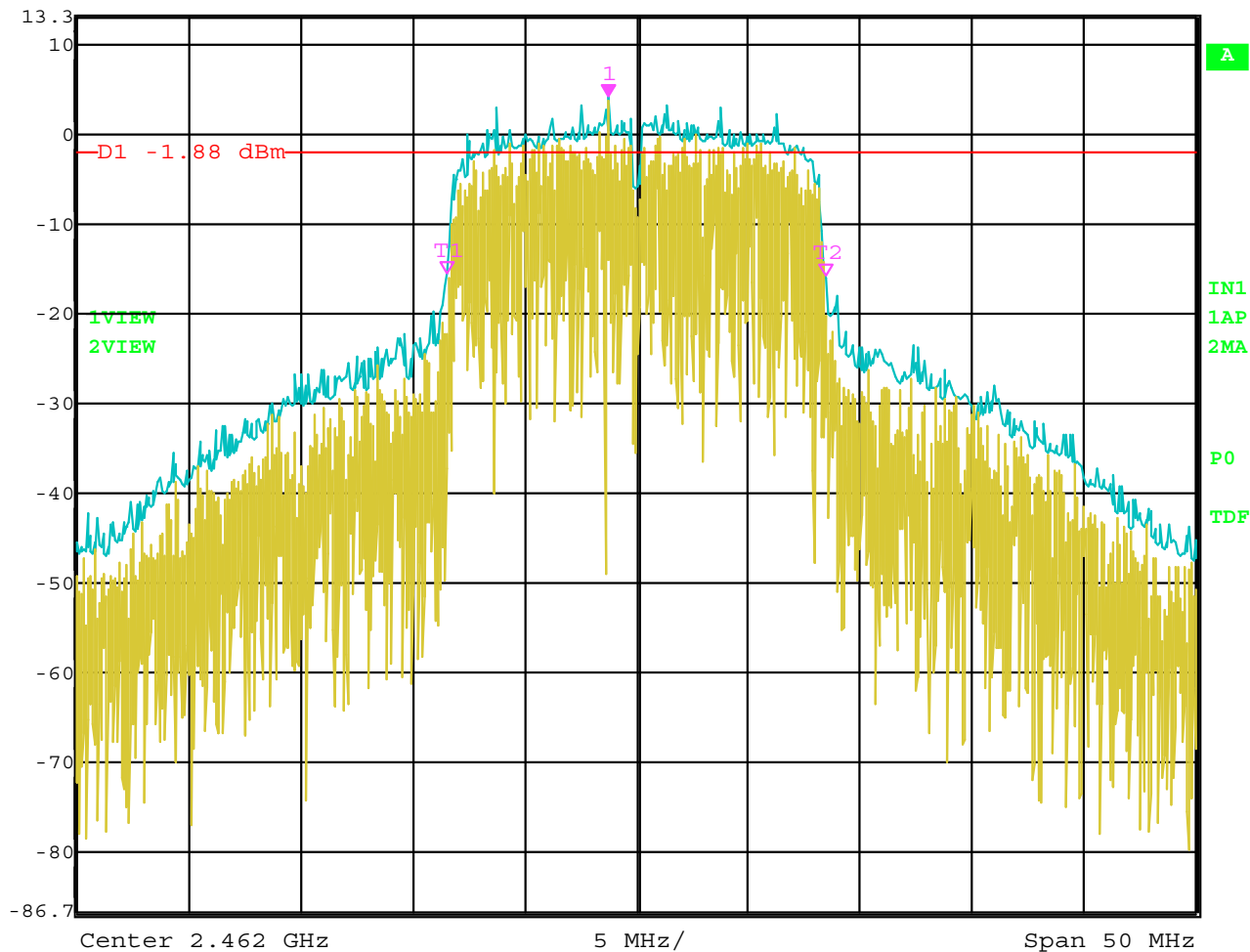


Date: 8.JUL.2004 07:08:16

Bandwidth 20 dB – Channel 6 – 802.11 g Mode



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 16.93386774 MHz	SWT	12.5 ms	Unit	dBm

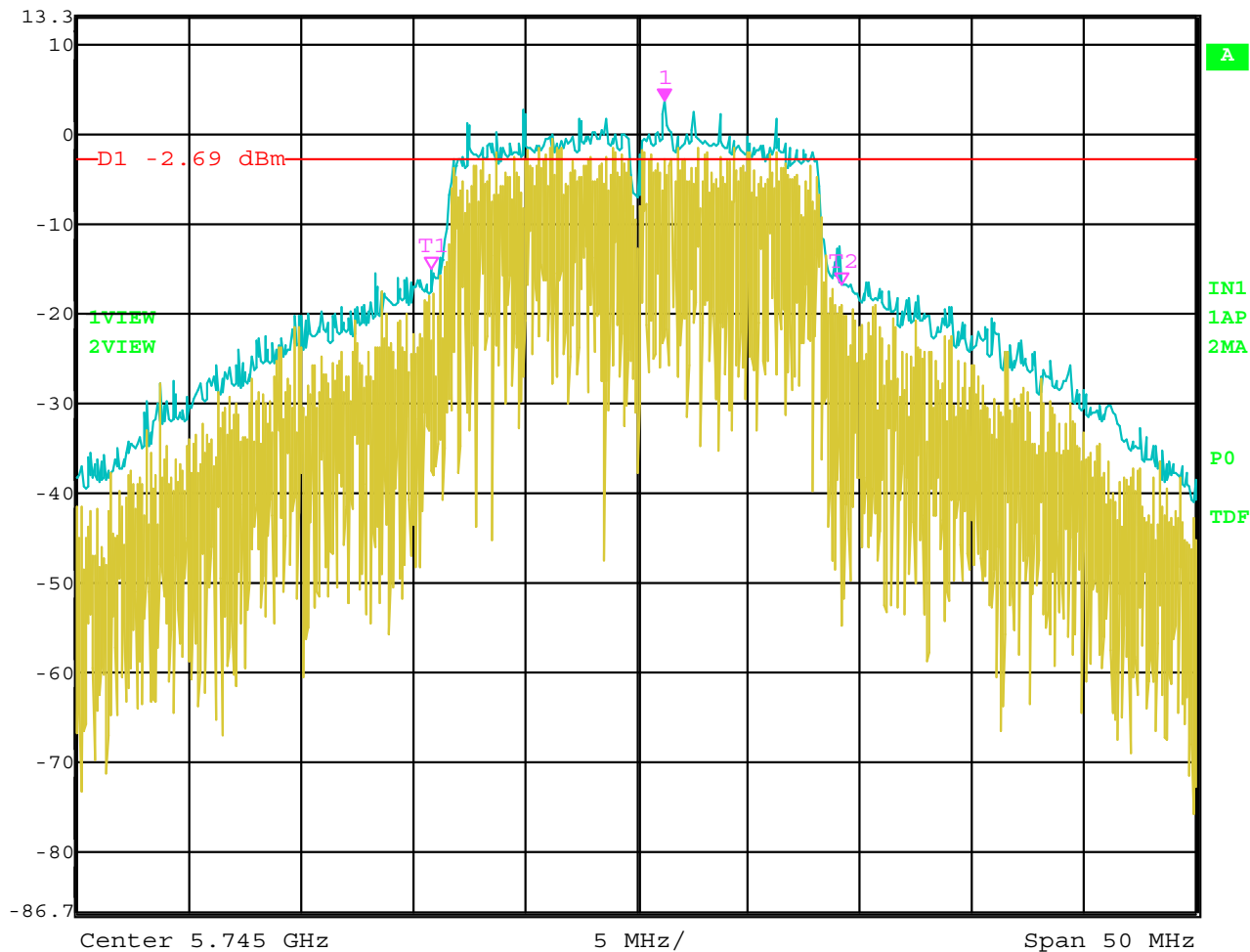


Date: 8.JUL.2004 07:10:11

Bandwidth 20 dB – Channel 11 – 802.11 g Mode



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 18.33667335 MHz	SWT	12.5 ms	Unit	dBm

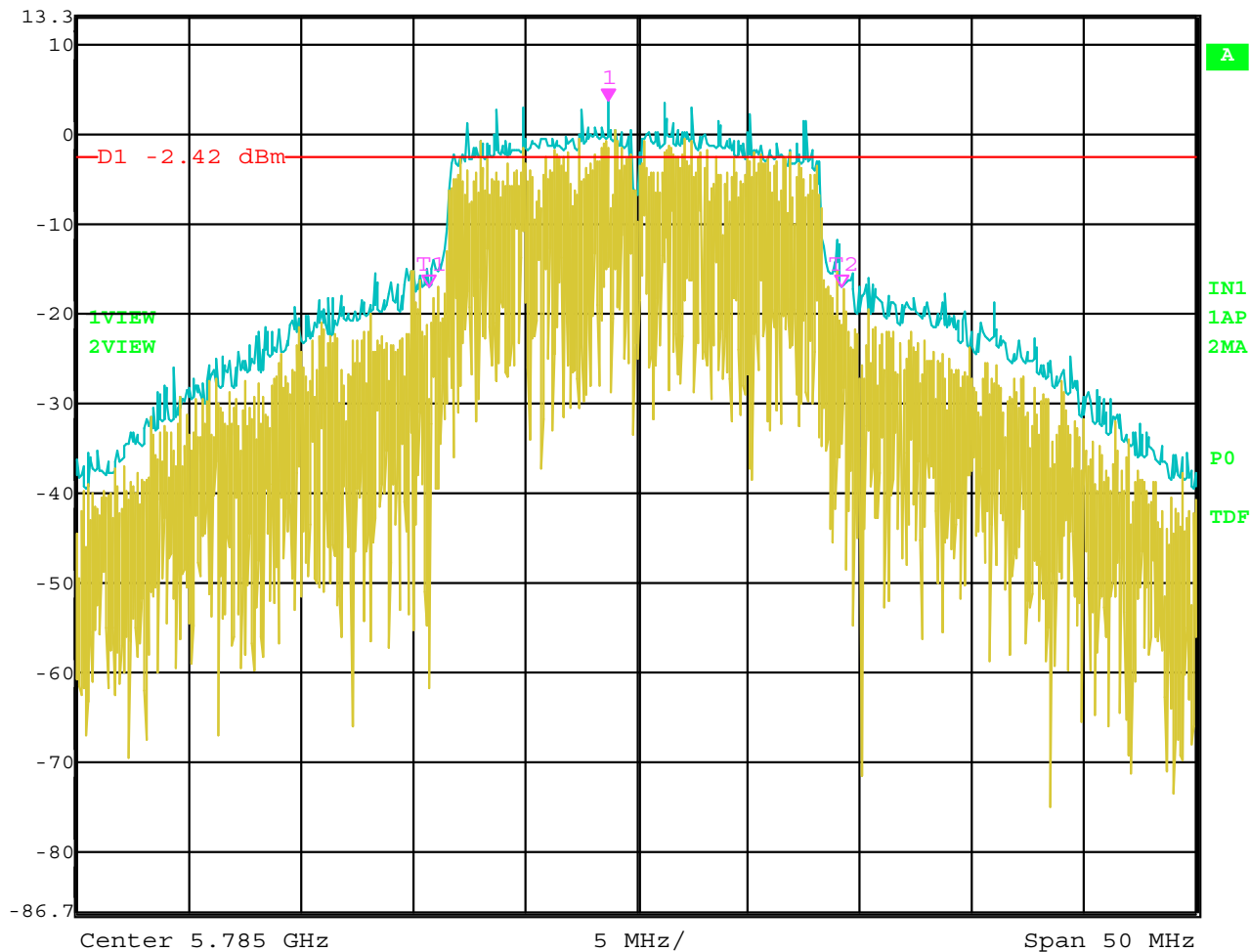


Date: 8.JUL.2004 08:51:15

Bandwidth 20 dB – Channel 149 – 802.11 a Mode



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 18.43687375 MHz	SWT	12.5 ms	Unit	dBm

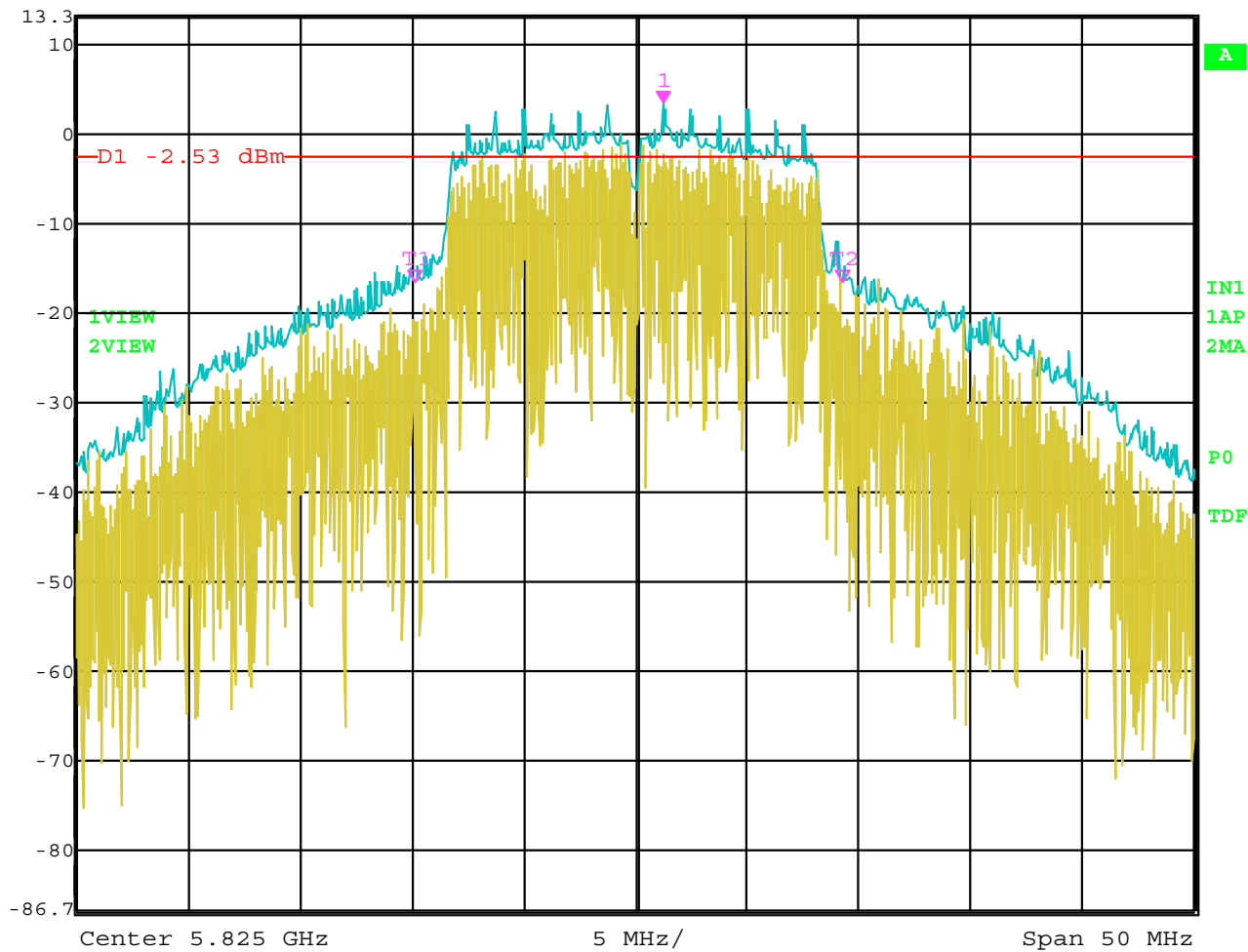


Date: 8.JUL.2004 08:53:32

Bandwidth 20 dB – Channel 157 – 802.11 a Mode



Ref Lvl 13.3 dBm
Marker 1 [T2 ndB] 20.00 dB
BW 19.13827655 MHz
RBW 100 kHz
VBW 300 kHz
RF Att 40 dB
SWT 12.5 ms
Unit dBm



Date: 8.JUL.2004 08:55:29

Bandwidth 20 dB – Channel 165 – 802.11 a Mode

PEAK POWER OUTPUT

DATA SHEETS

PEAK OUTPUT POWER

Intel Corporation

Intel Mini PCI Type 802.11 ABG Wireless LAN Adapter

MODEL: WM3B2915ABG

For use in the HP Agency Series #: PP3006 (Tablet Type)

802.11 b Mode (Worst Case Rate is 1 Mbps)

CHANNEL	GAIN	PEAK POWER OUTPUT (dBm)
1 (2412 MHz)	18.0	19.01
6 (2437 MHz)	17.5	19.00
11 (2462 MHz)	18.0	19.21

802.11 g Mode (Worst Case Rate is 6 Mbps)

CHANNEL	GAIN	PEAK POWER OUTPUT (dBm)
1 (2412 MHz)	21.0	24.05
6 (2437 MHz)	19.5	23.76
11 (2462 MHz)	21.0	24.13

PEAK OUTPUT POWER

Intel Corporation

Intel Mini PCI Type 802.11 ABG Wireless LAN Adapter

MODEL: WM3B2915ABG

For use in the HP Agency Series #: PP3006 (Tablet Type)

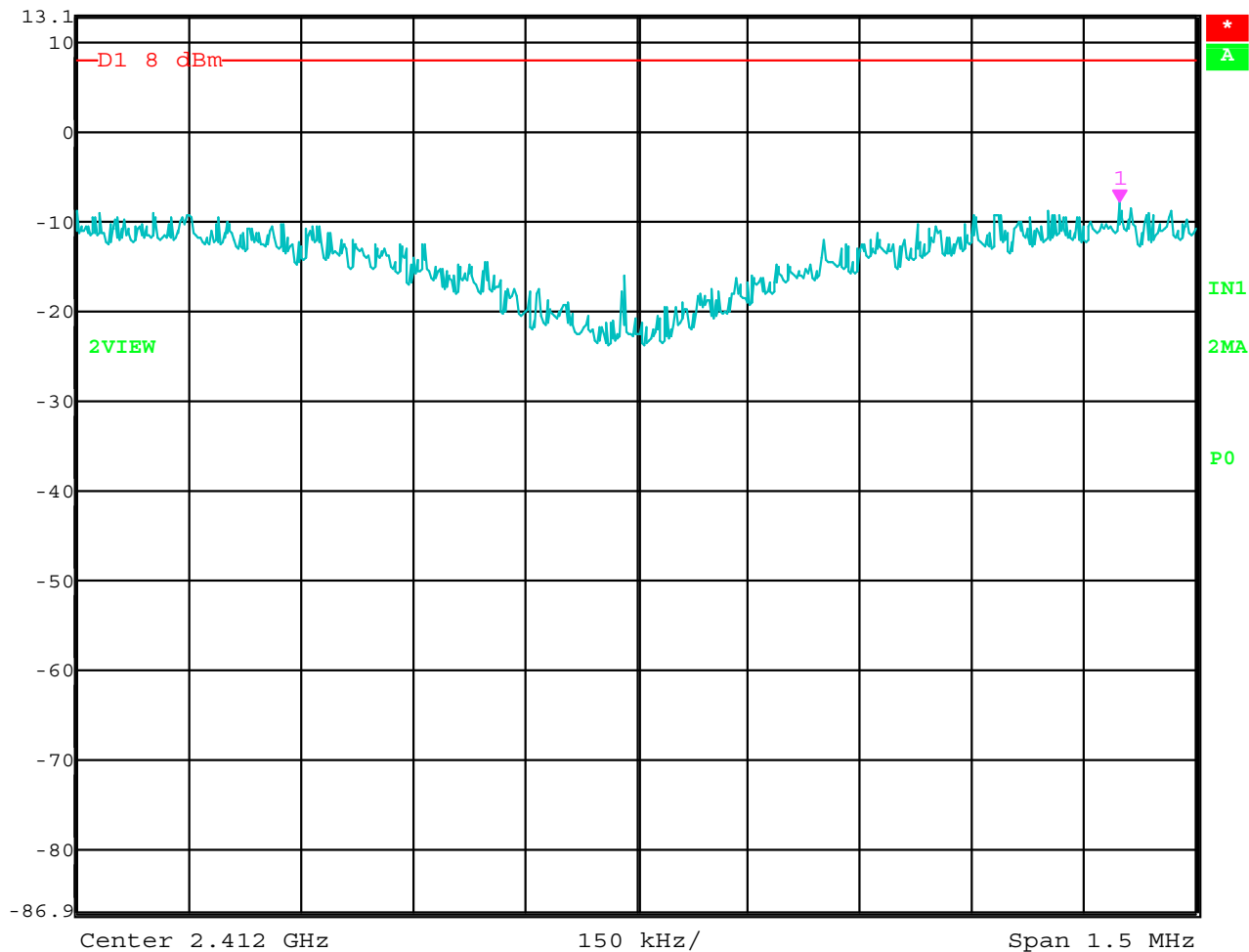
802.11 a Mode (Worst Case Rate is 6 Mbps)

CHANNEL	GAIN	PEAK POWER OUTPUT (dBm)
149 (5745 MHz)	18.5	20.25
157 (5785 MHz)	19.0	20.37
165 (5825 MHz)	19.0	20.42

PEAK POWER SPECTRAL DENSITY
DATA SHEETS



Marker 1 [T2] RBW 3 kHz RF Att 40 dB
Ref Lvl -7.75 dBm VBW 1 MHz
13.1 dBm 2.41264780 GHz SWT 500 s Unit dBm

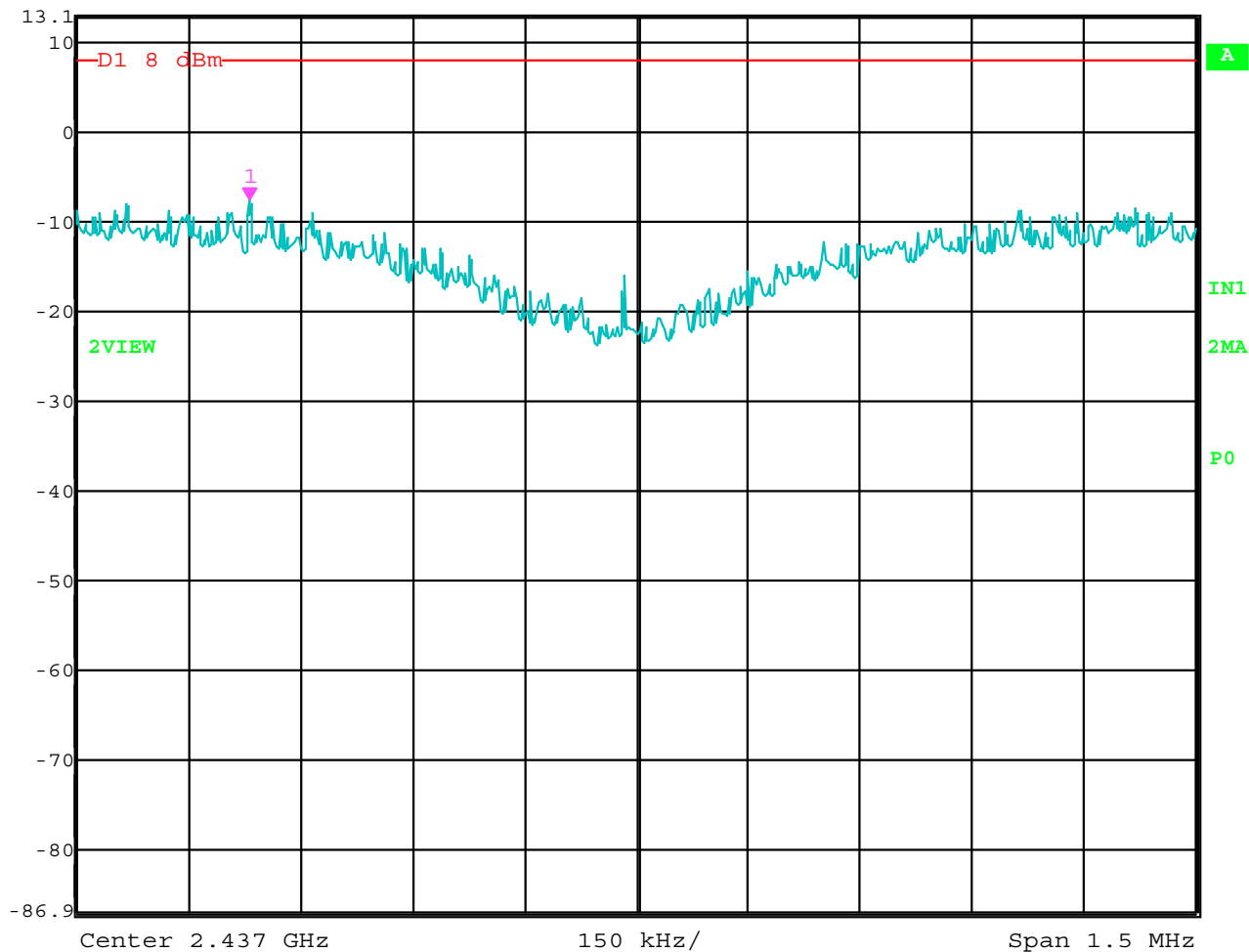


Date: 8.JUL.2004 07:57:00

Peak Power Spectral Density Output – Channel 1 – 802.11 b Mode



Marker 1 [T2] RBW 3 kHz RF Att 40 dB
Ref Lvl -7.61 dBm VBW 1 MHz
13.1 dBm 2.43648146 GHz SWT 500 s Unit dBm

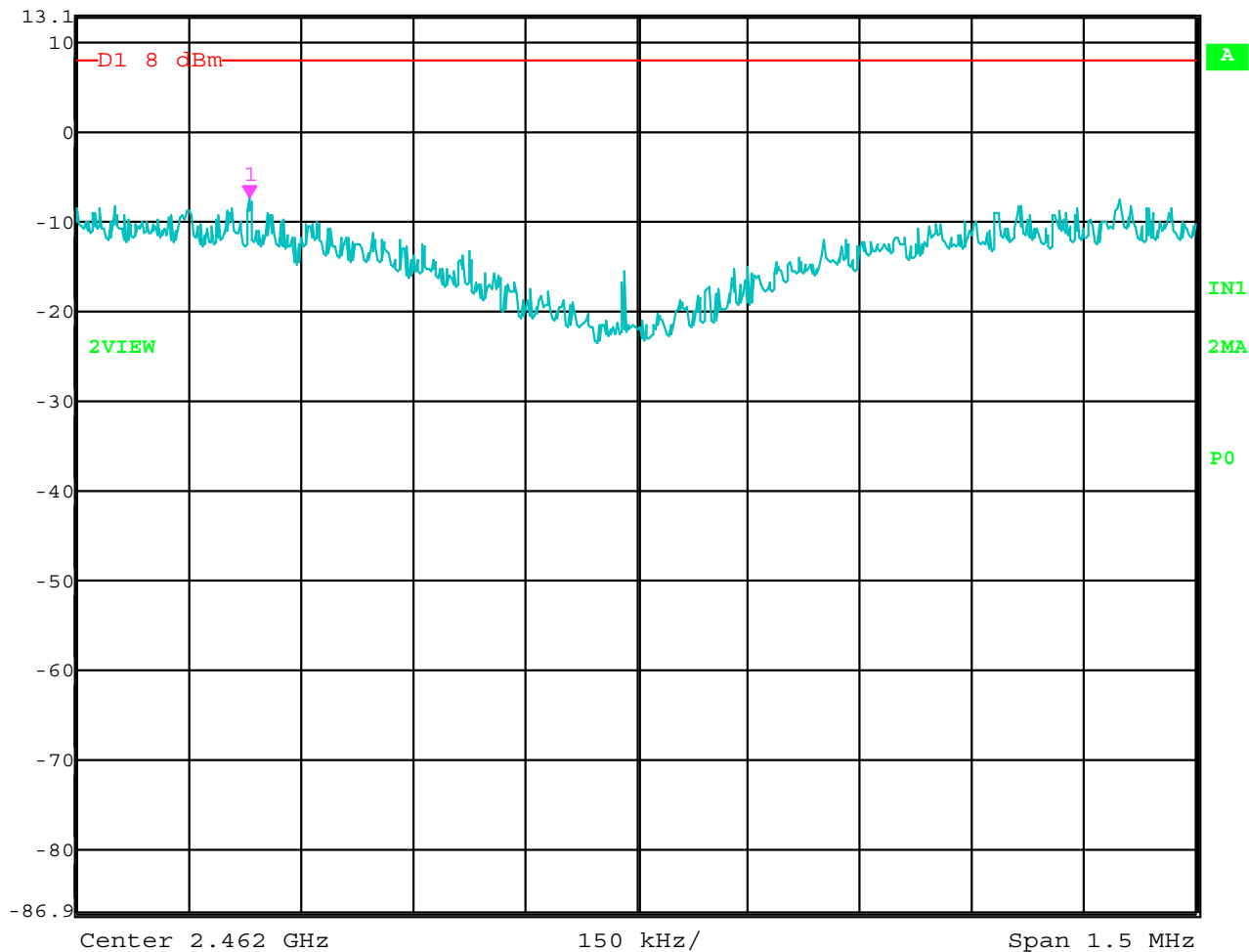


Date: 8.JUL.2004 08:08:52

Peak Power Spectral Density Output – Channel 6 – 802.11 b Mode



Marker 1 [T2] RBW 3 kHz RF Att 40 dB
Ref Lvl -7.23 dBm VBW 10 kHz
13.1 dBm 2.46148146 GHz SWT 500 s Unit dBm



Date: 8.JUL.2004 08:18:01

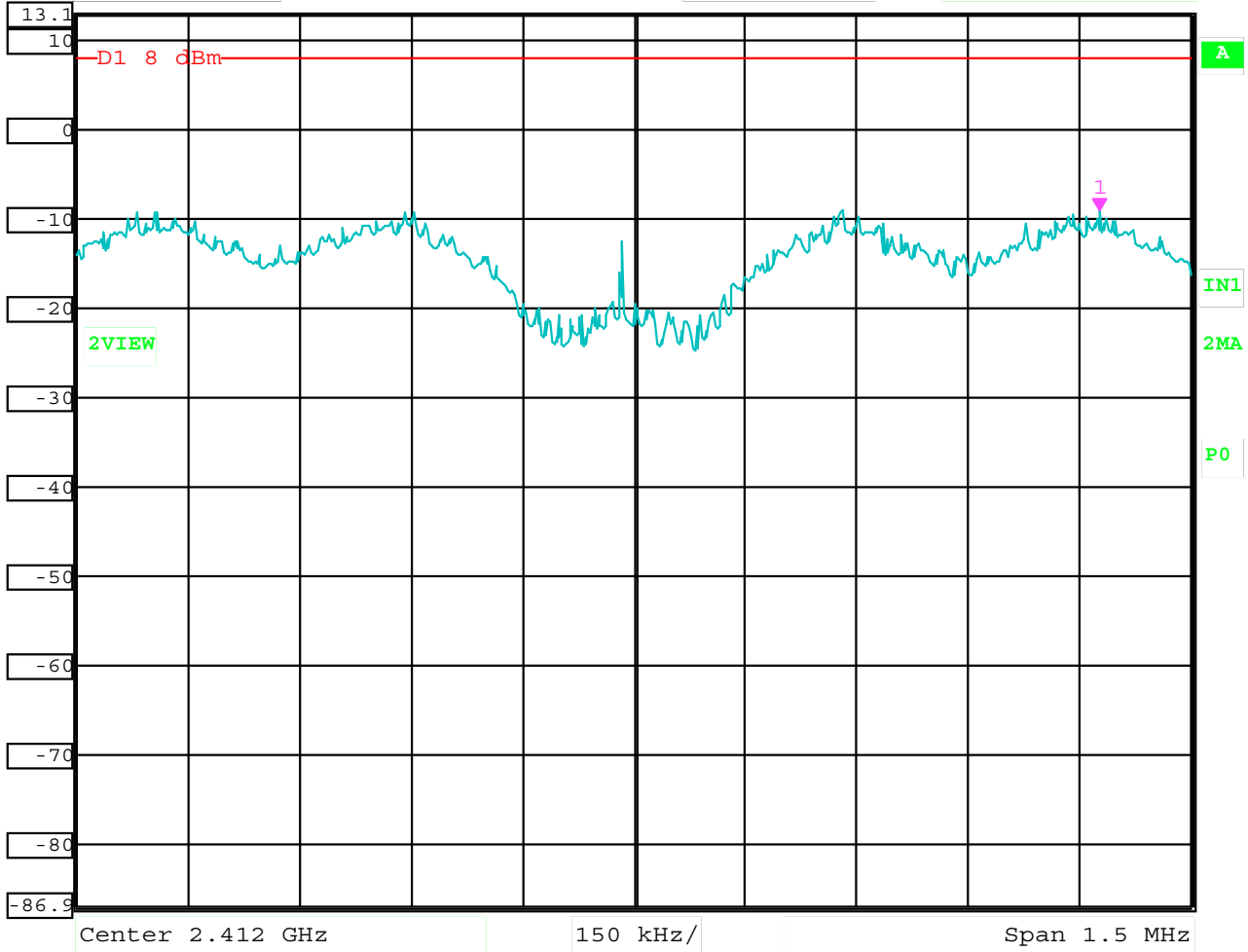
Peak Power Spectral Density Output – Channel 11 – 802.11 b Mode



Marker 1 [T2]
Ref Lvl
13.1 dBm
-9.01 dBm
2.41262675 GHz

RBW 3 kHz
VBW 10 kHz
SWT 500 s

RF Att 40 dB
Unit dBm

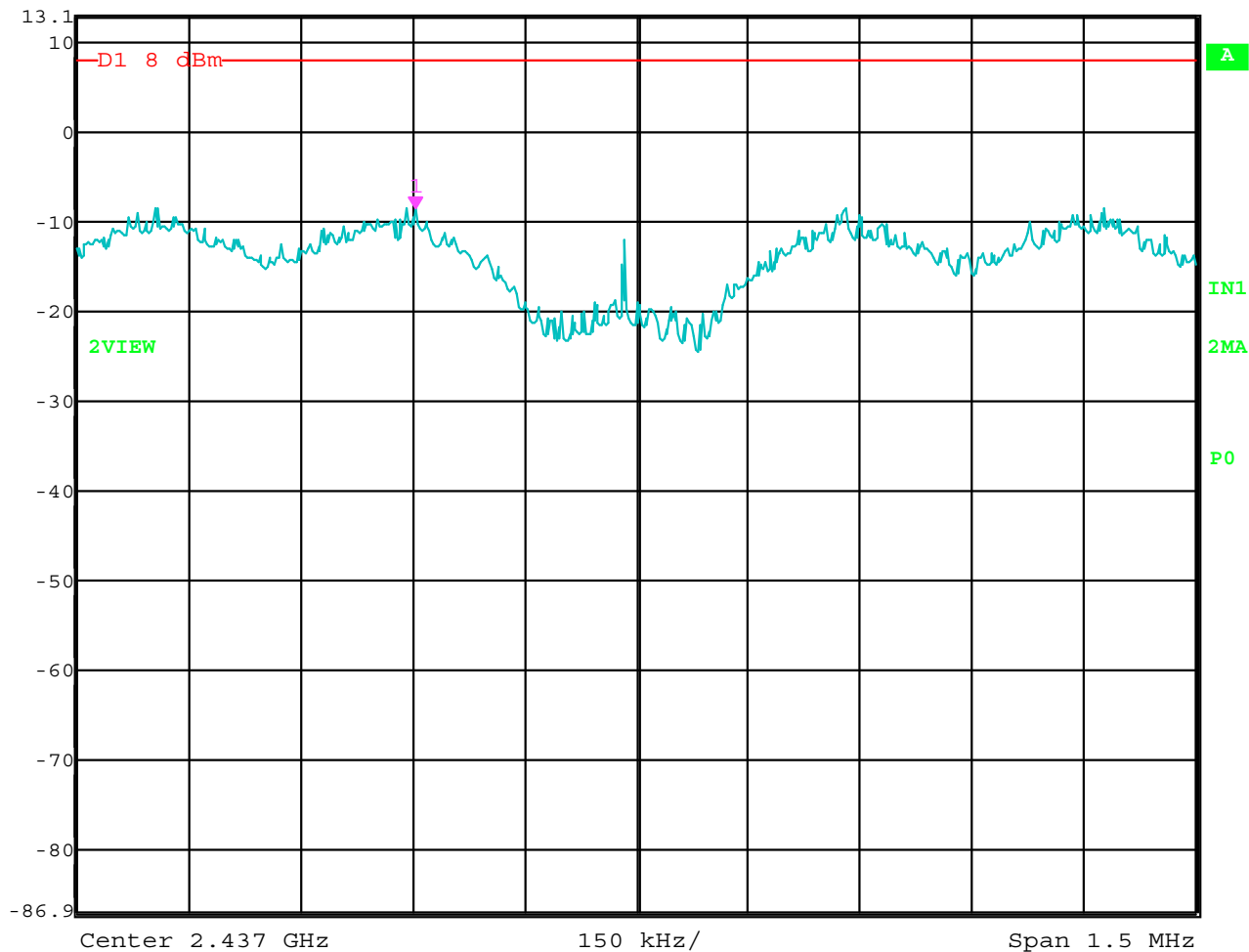


Date: 8.JUL.2004 08:27:13

Peak Power Spectral Density – Channel 1 – 802.11 g Mode



Ref Lvl 13.1 dBm
Marker 1 [T2] -8.46 dBm
2.43670391 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 500 s
Unit dBm

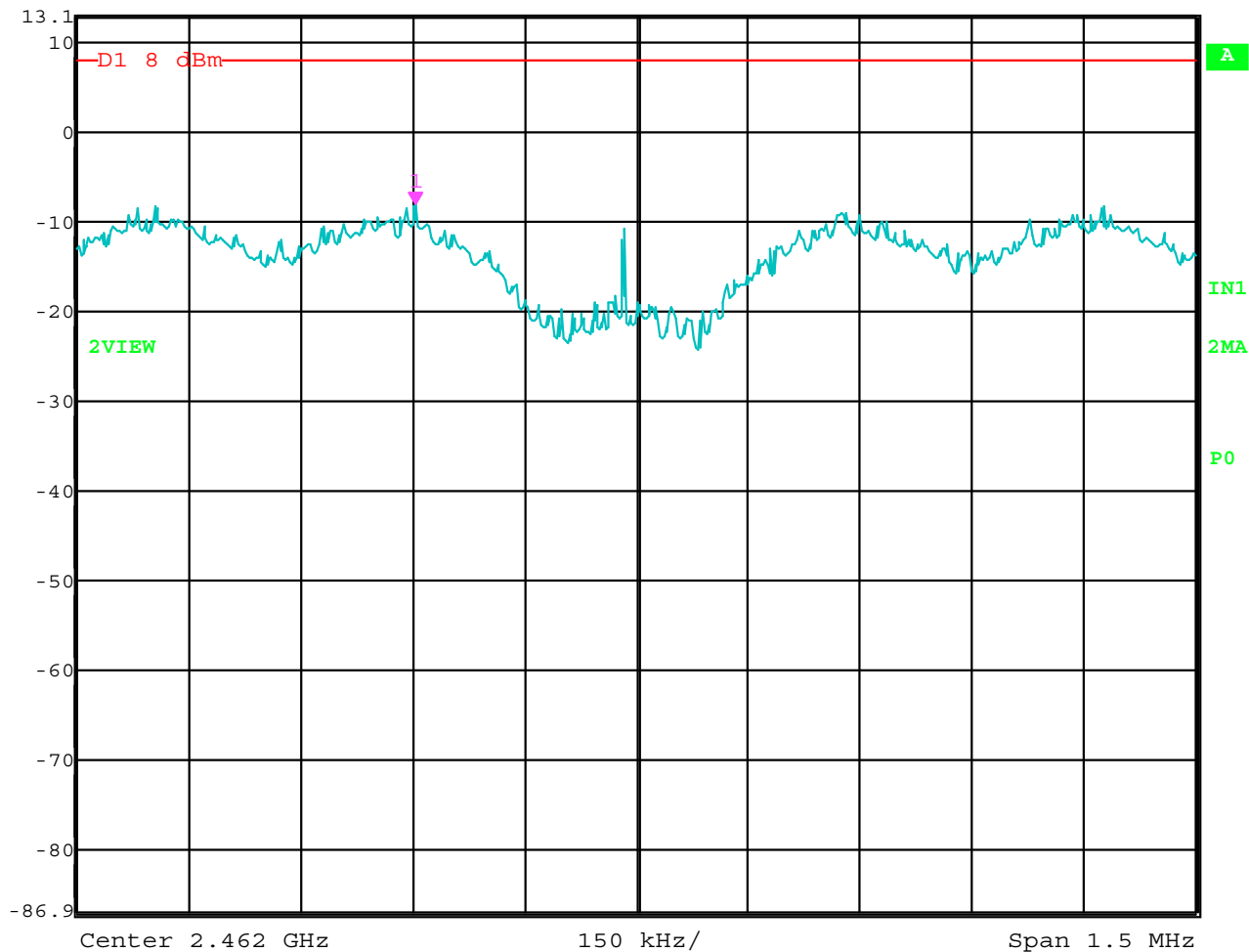


Date: 8.JUL.2004 08:36:20

Peak Power Spectral Density – Channel 6 – 802.11 g Mode



Ref Lvl 13.1 dBm
Marker 1 [T2] -8.12 dBm
2.46170391 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 500 s
Unit dBm

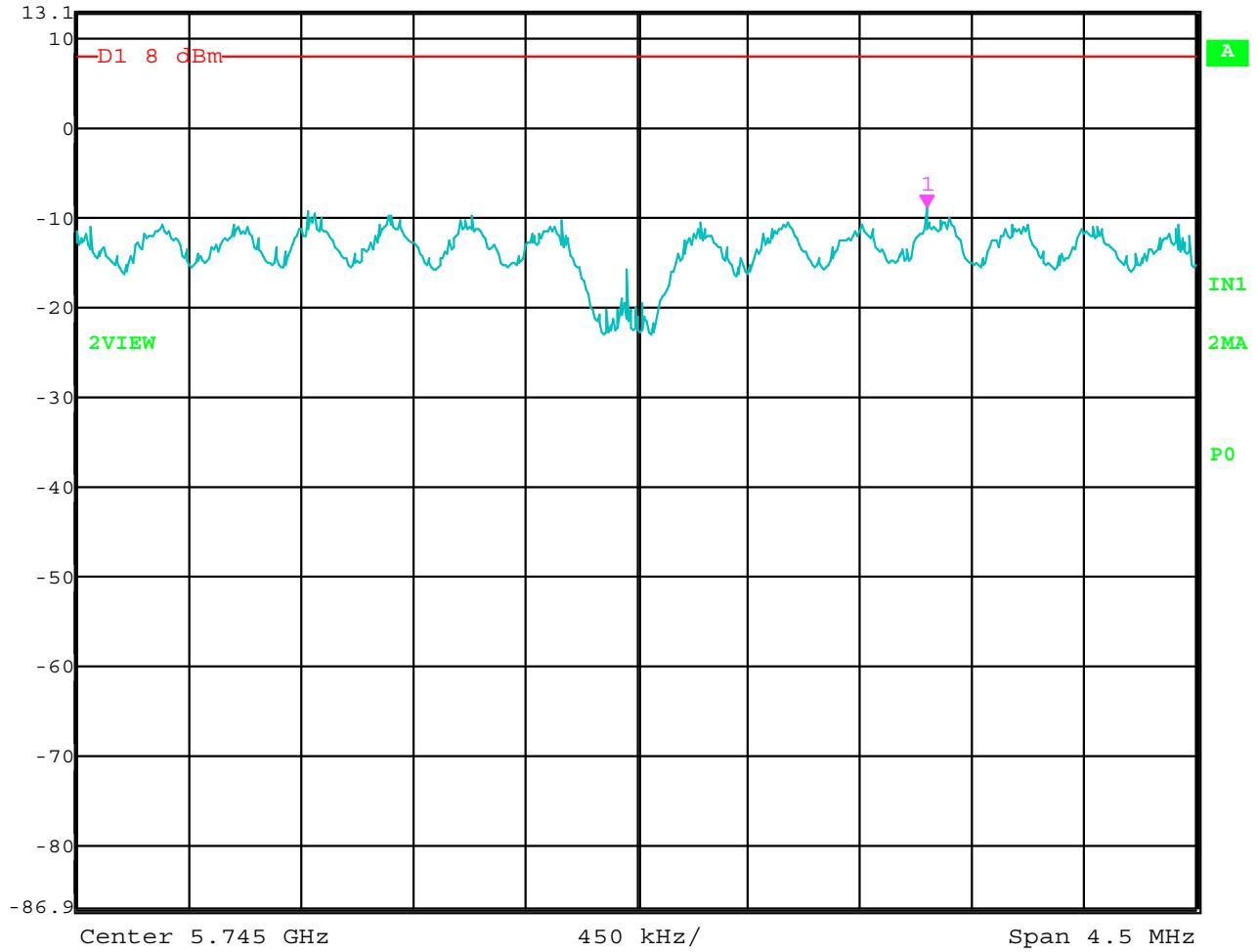


Date: 8.JUL.2004 08:45:52

Peak Power Spectral Density – Channel 11 – 802.11 g Mode



Ref Lvl 13.1 dBm
Marker 1 [T2] -8.68 dBm
RBW 3 kHz
VBW 10 kHz
SWT 1500 s
RF Att 40 dB
Unit dBm

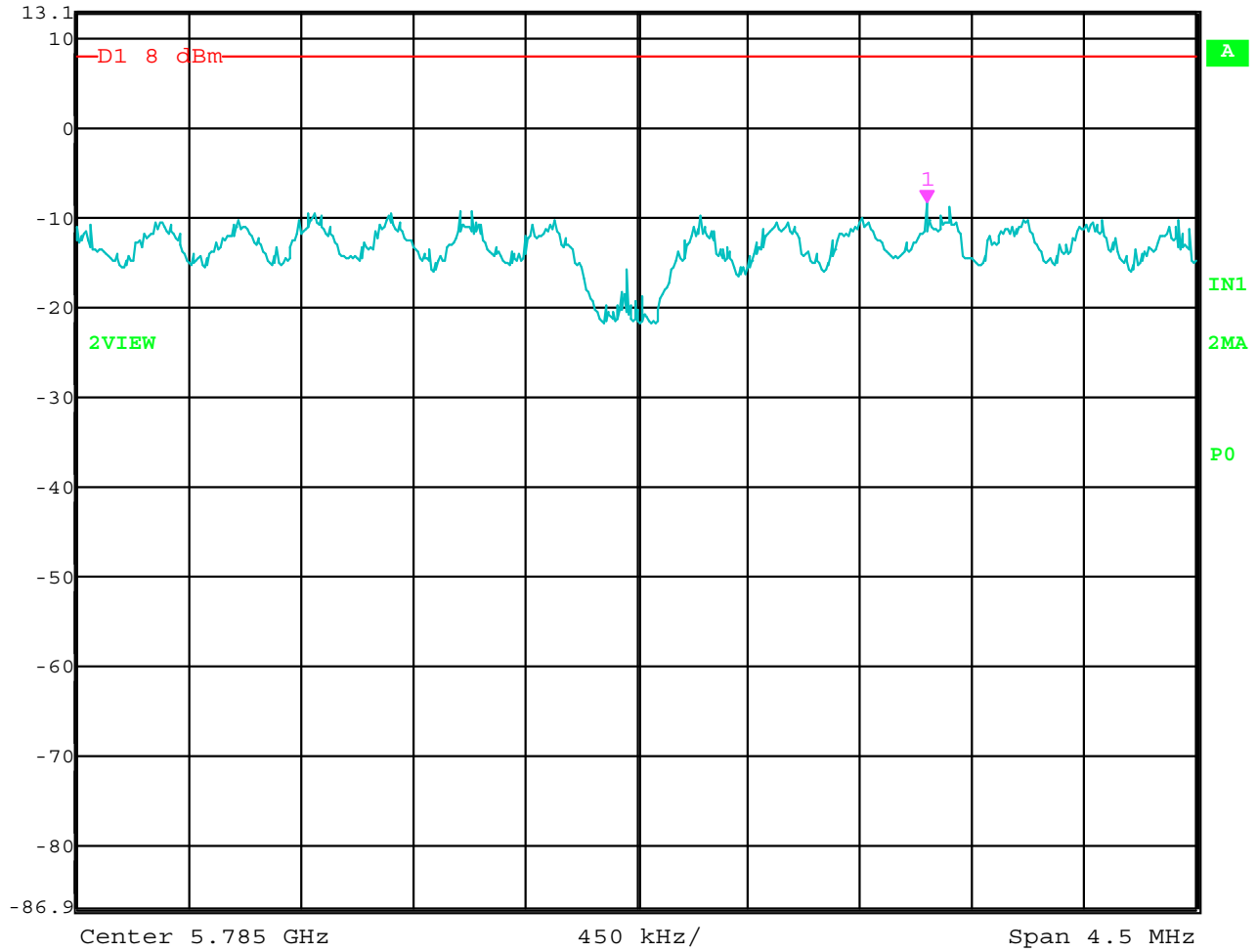


Date: 8.JUL.2004 09:39:23

Peak Power Spectral Density – Channel 149 – 802.11 a Mode



Ref Lvl 13.1 dBm
Marker 1 [T2] -8.29 dBm
RBW 3 kHz
VBW 10 kHz
RF Att 40 dB
SWT 1500 s
Unit dBm

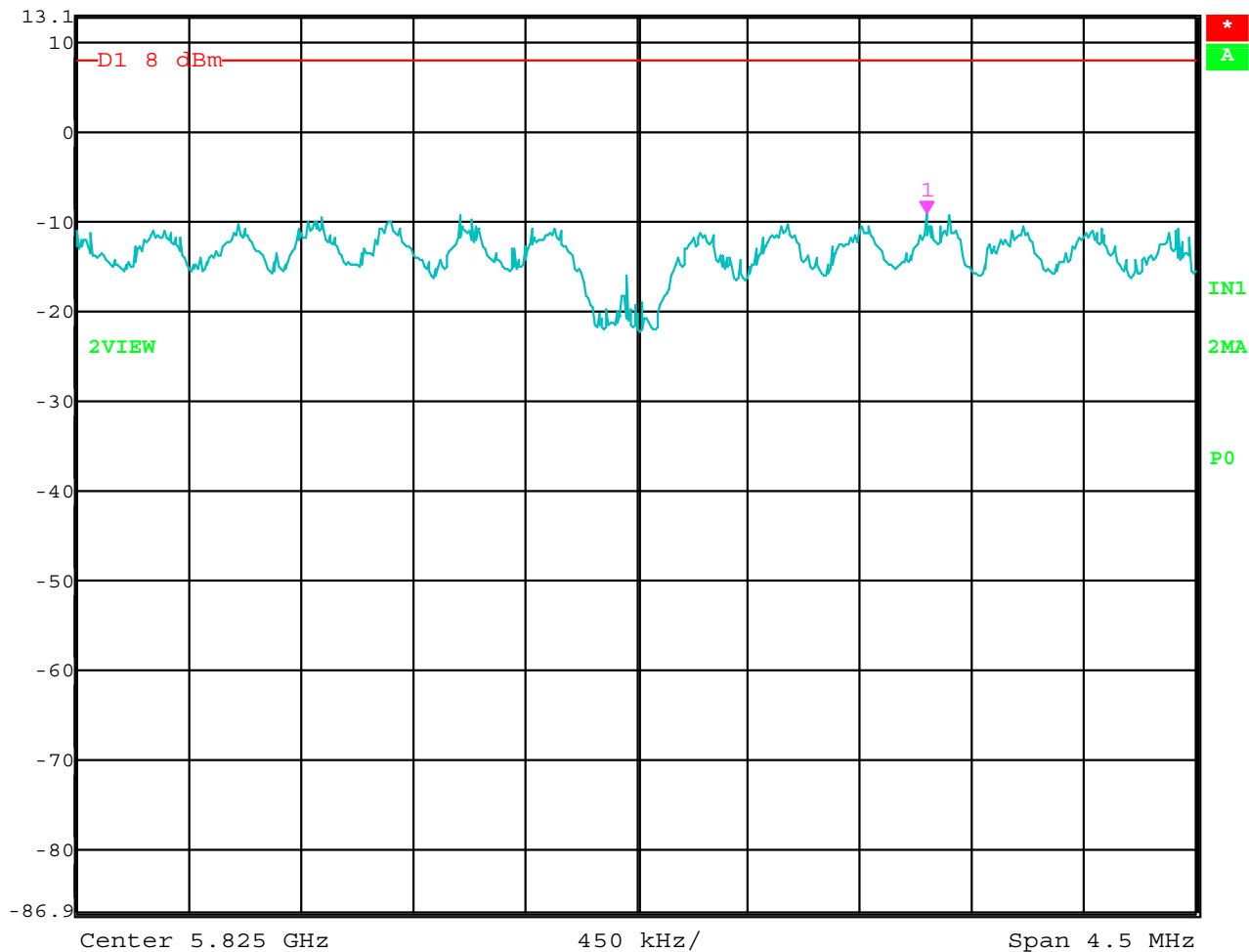


Date: 8.JUL.2004 10:04:58

Peak Power Spectral Density – Channel 157 – 802.11 a Mode



Marker 1 [T2] RBW 3 kHz RF Att 40 dB
Ref Lvl -9.06 dBm VBW 10 kHz
13.1 dBm 5.82616784 GHz SWT 1500 s Unit dBm



Date: 8.JUL.2004 10:30:51

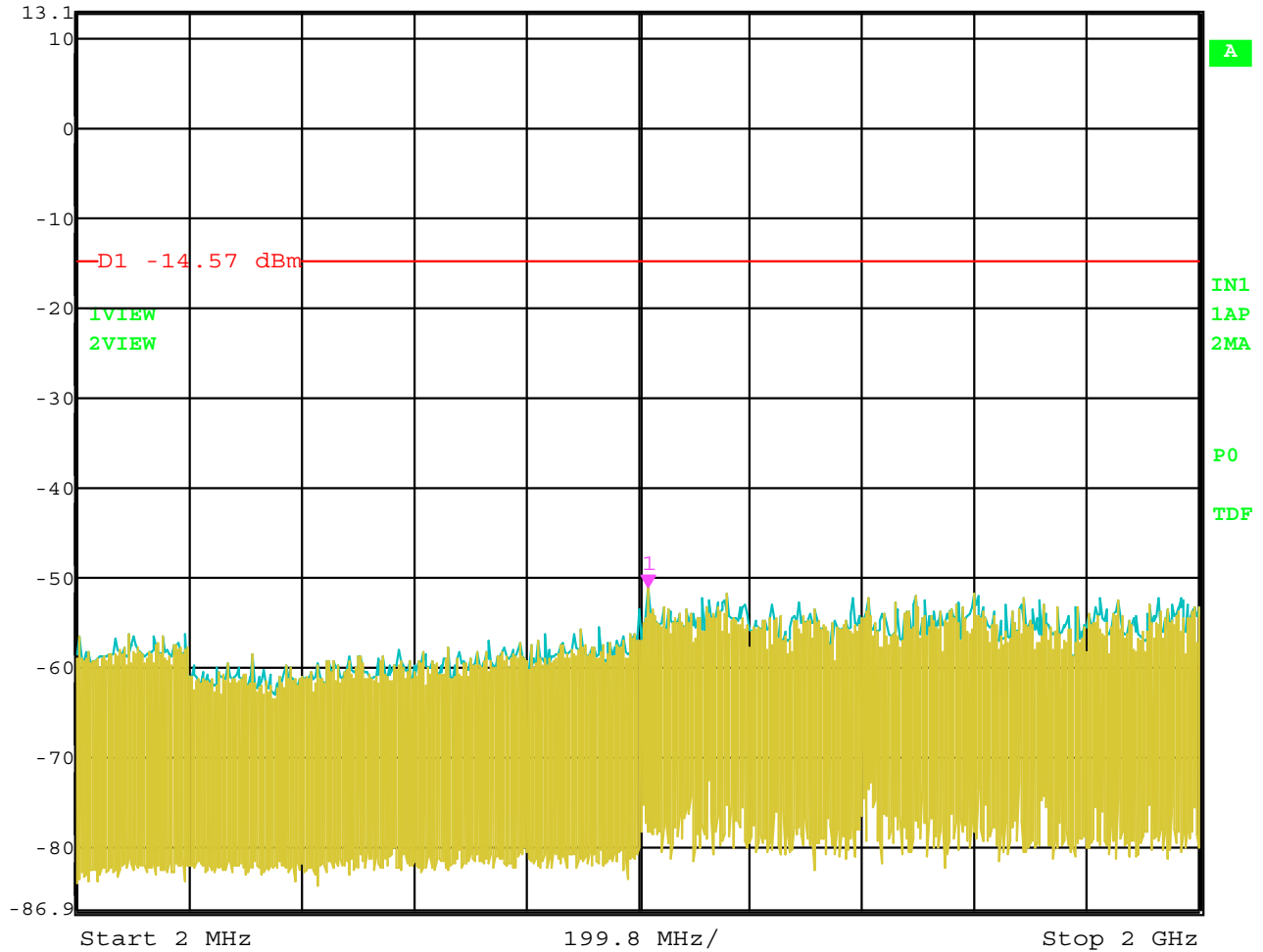
Peak Power Spectral Density – Channel 165 – 802.11 a Mode

RF ANTENNA CONDUCTED

DATA SHEETS



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.1 dBm	-50.99 dBm	VBW	300 kHz		
	1.01901804 GHz	SWT	700 ms	Unit	dBm

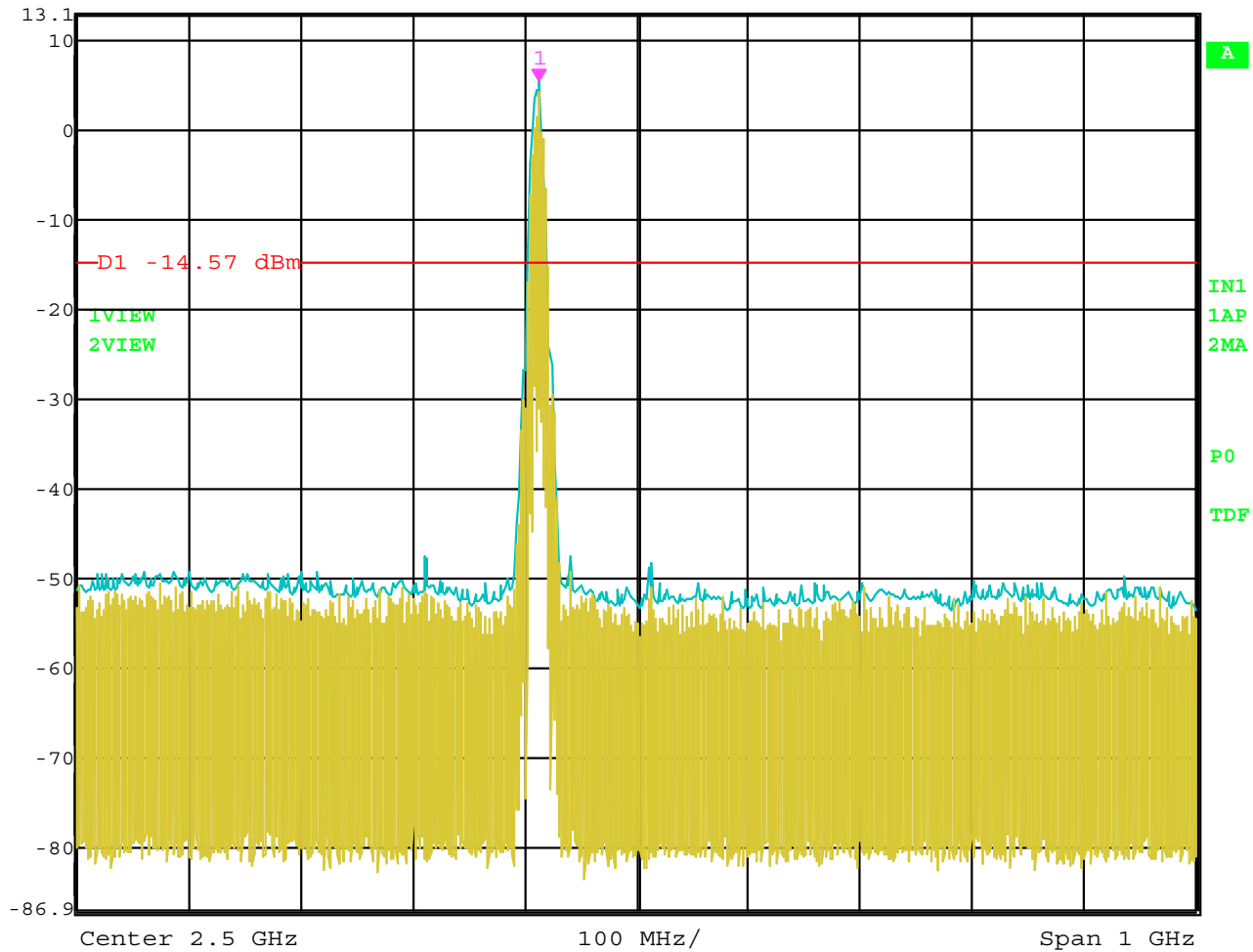


Date: 8.JUL.2004 07:14:12

RF Antenna Conducted Test – Channel 1 – 802.11 b Mode – 2 MHz to 2 GHz



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 5.43 dBm VBW 300 kHz
13.1 dBm 2.41200000 GHz SWT 250 ms Unit dBm

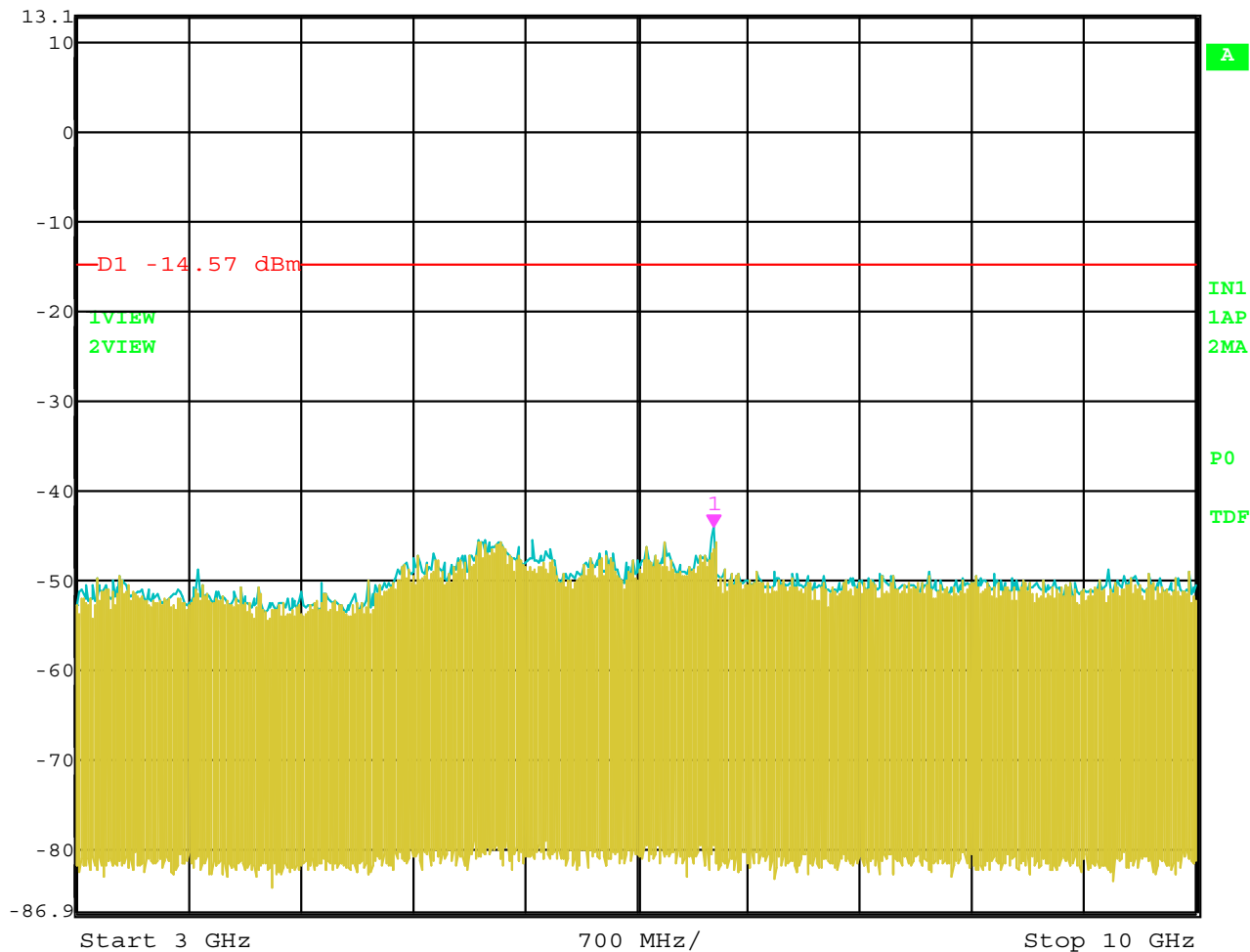


Date: 8.JUL.2004 07:13:36

RF Antenna Conducted Test – Channel 1 – 802.11 b Mode – 2 GHz to 3 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -44.10 dBm
6.98396794 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 1.75 s
Unit dBm

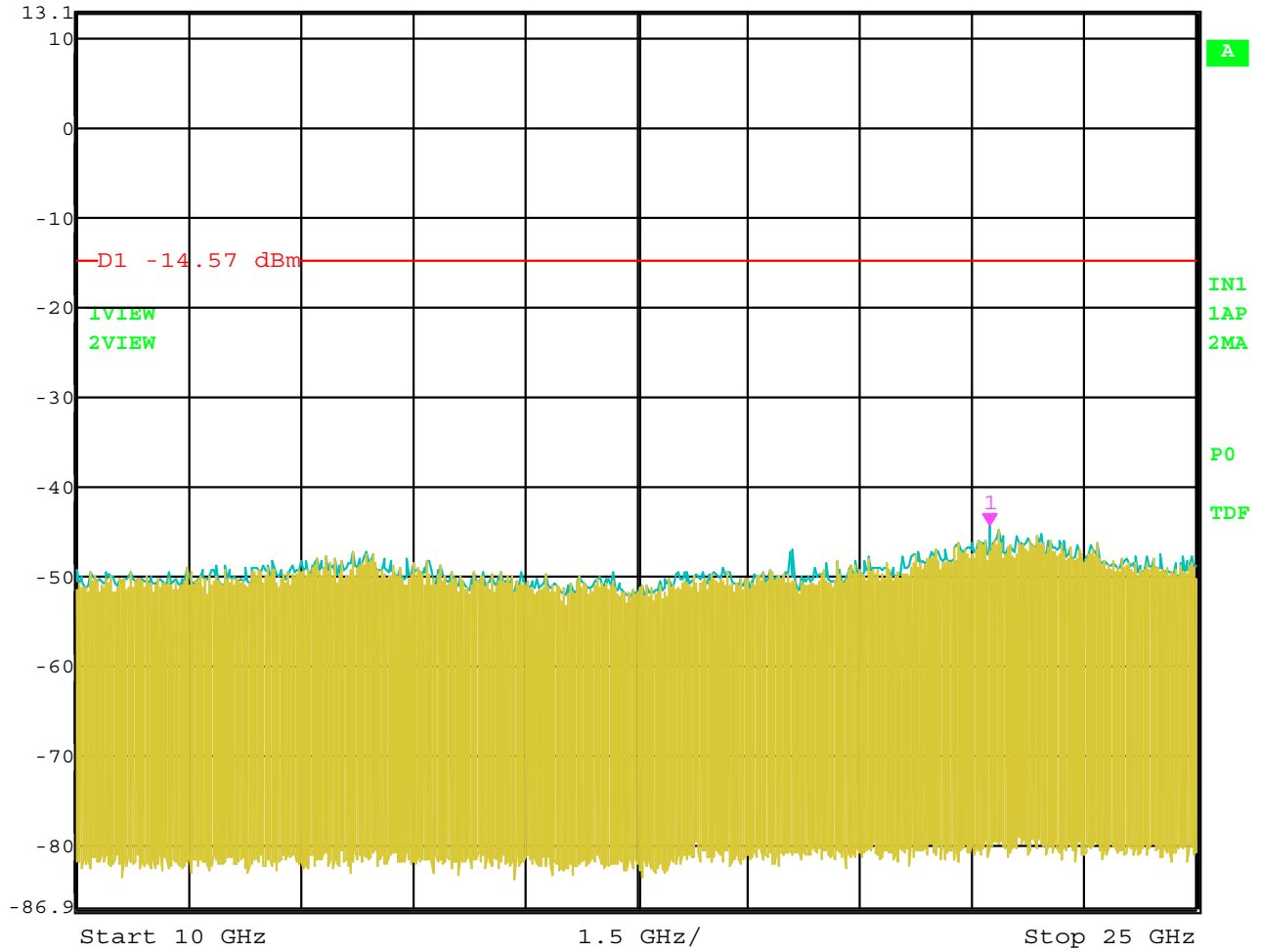


Date: 8.JUL.2004 07:15:00

RF Antenna Conducted Test – Channel 1 – 802.11 b Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm Marker 1 [T2] -44.27 dBm RBW 100 kHz RF Att 40 dB
22.23446894 GHz VBW 300 kHz Unit dBm
SWT 3.8 s

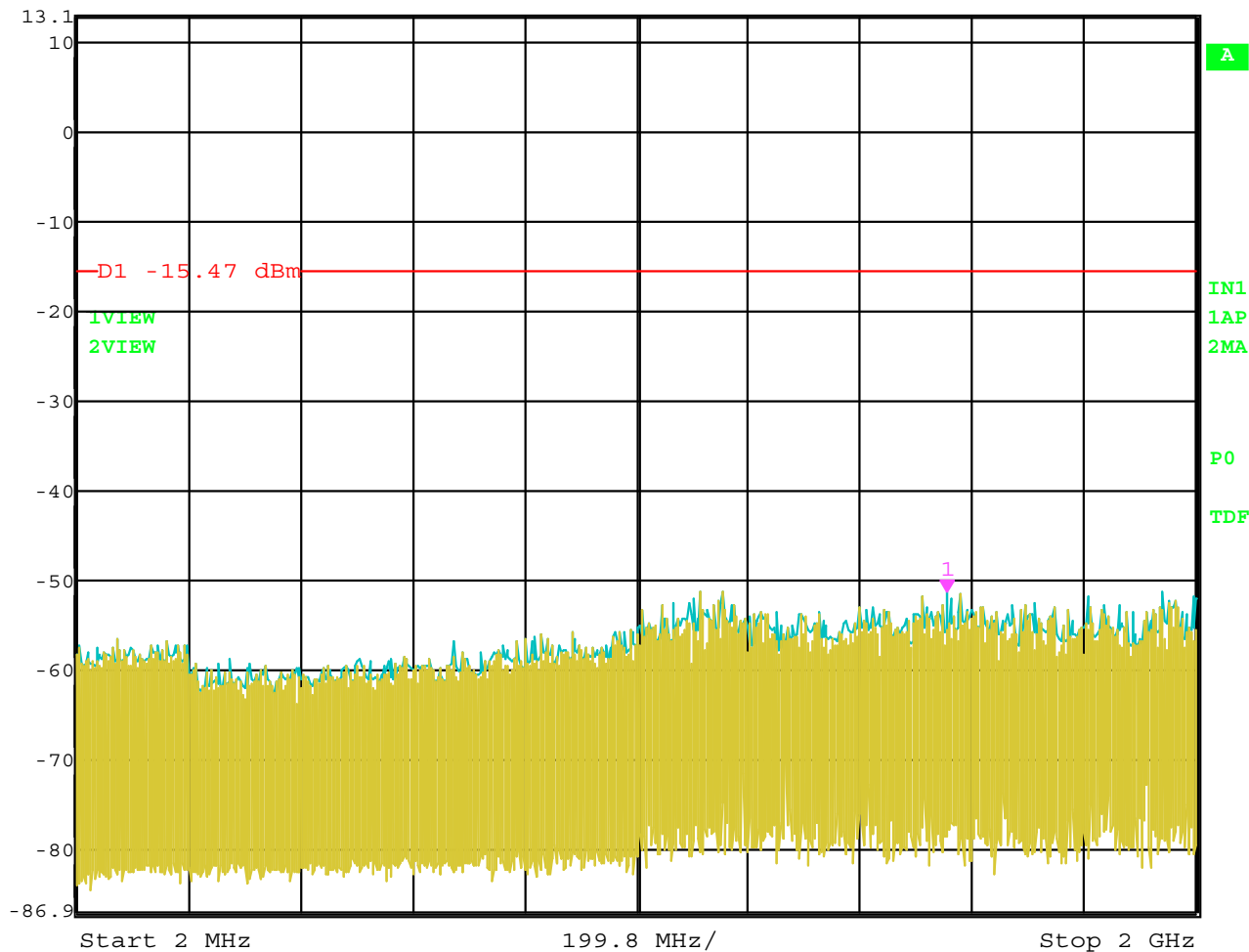


Date: 8.JUL.2004 07:15:41

RF Antenna Conducted Test – Channel 1 – 802.11 b Mode – 10 GHz to 25 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -51.17 dBm
1.55555511 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 700 ms
Unit dBm

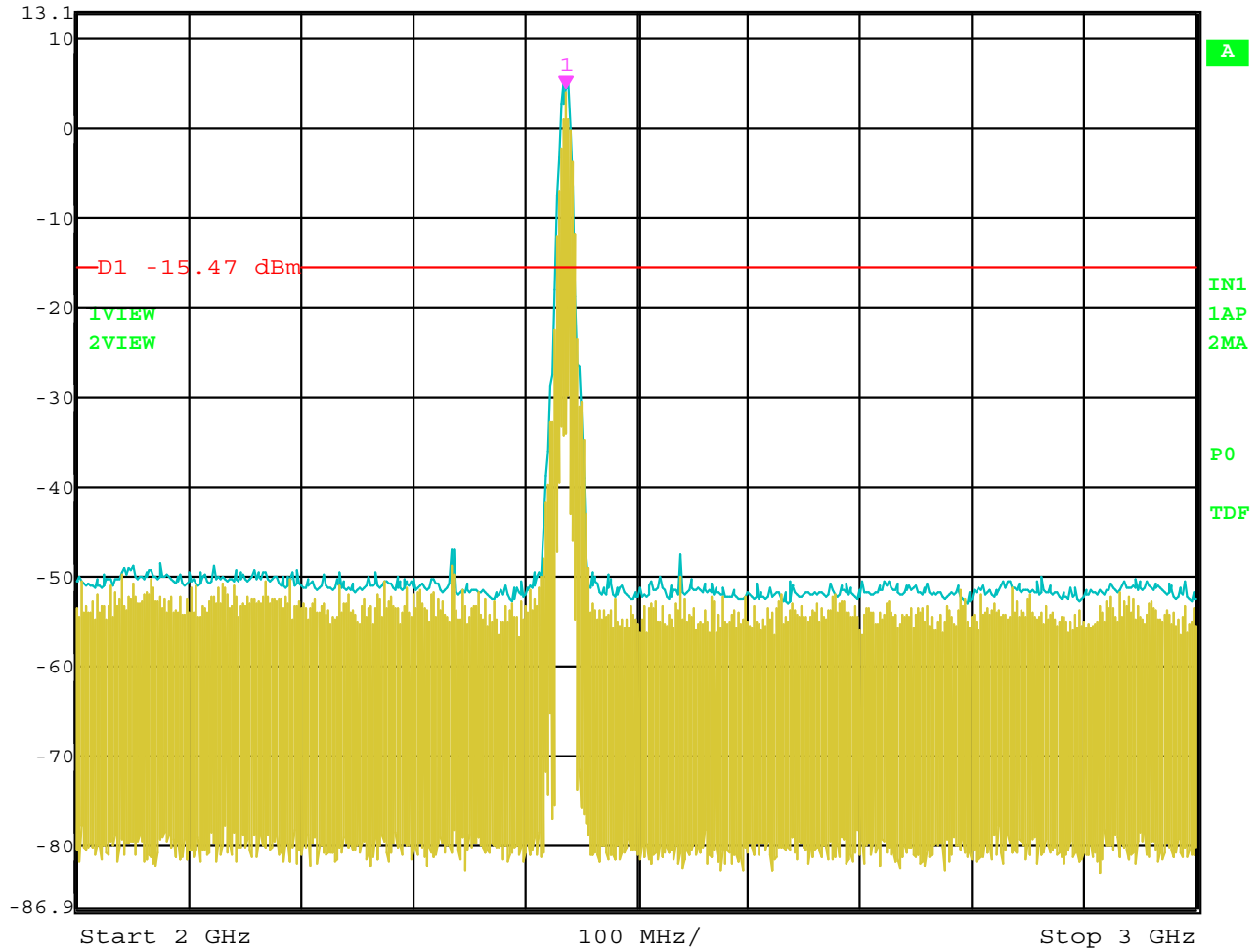


Date: 8.JUL.2004 07:19:35

RF Antenna Conducted Test – Channel 6 – 802.11 b Mode – 2 MHz to 2 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] 4.53 dBm
2.43700000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

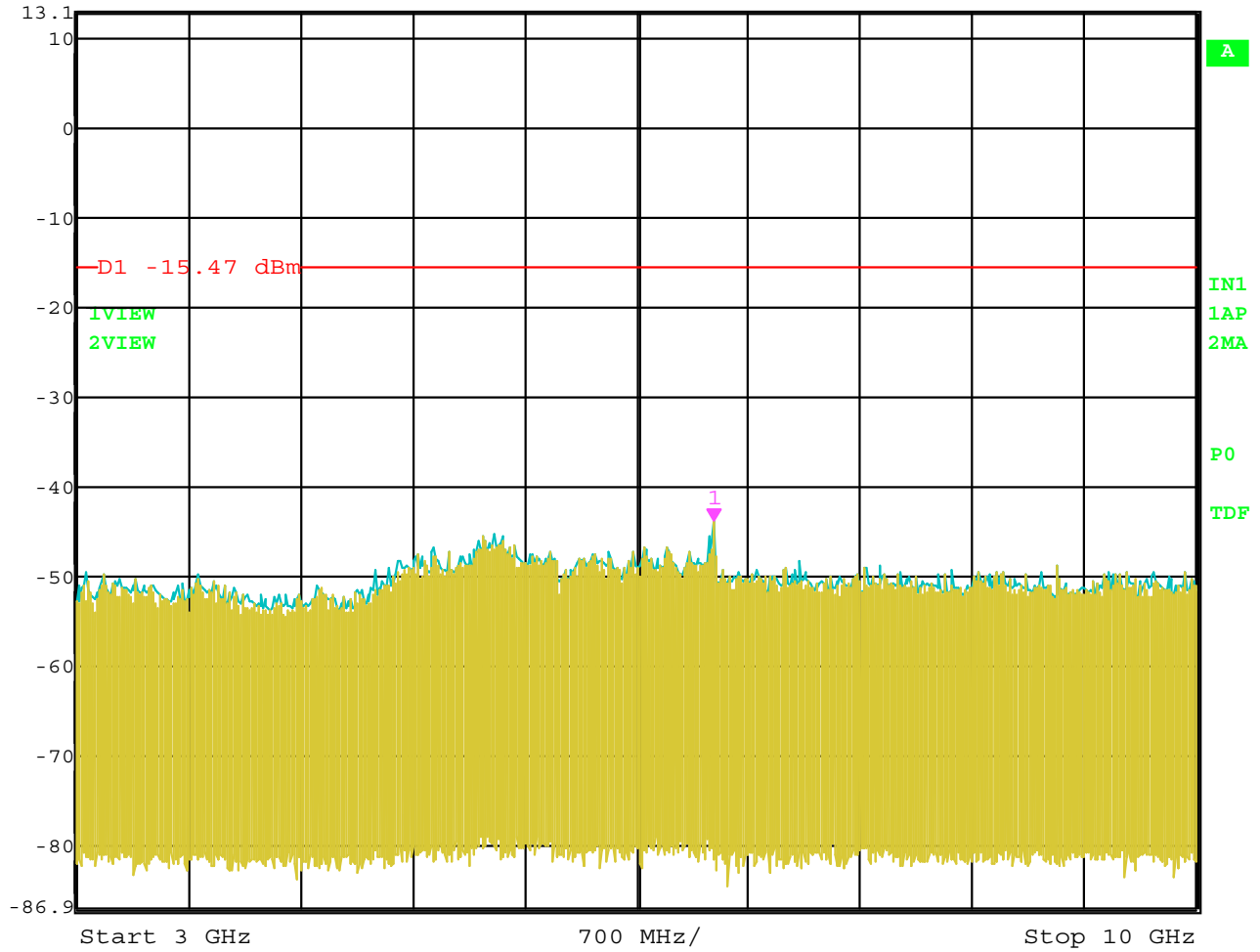


Date: 8.JUL.2004 07:19:02

RF Antenna Conducted Test – Channel 6 – 802.11 b Mode – 2 GHz to 3 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -43.77 dBm
6.98396794 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

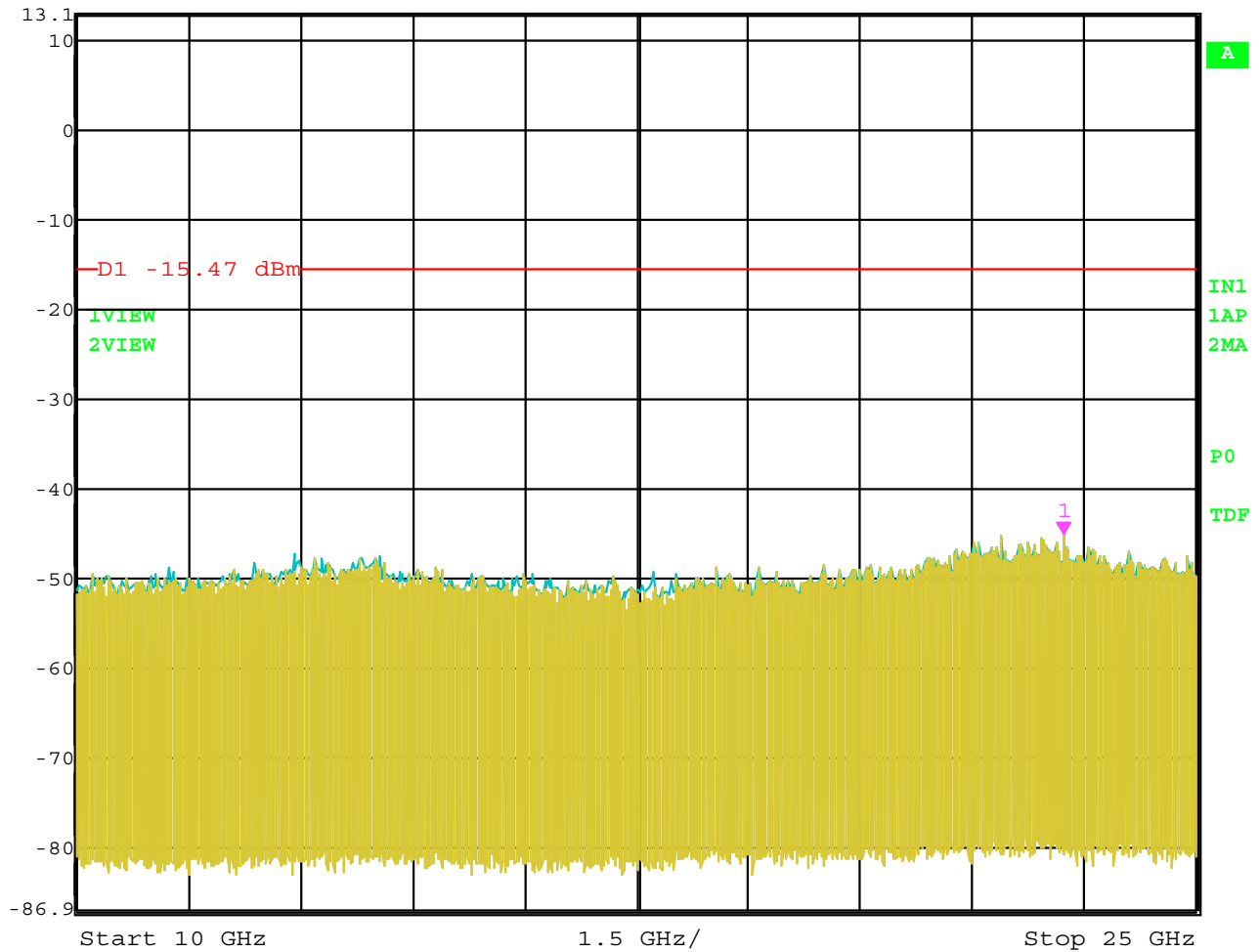


Date: 8.JUL.2004 07:20:11

RF Antenna Conducted Test – Channel 6 – 802.11 b Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -45.10 dBm
23.22645291 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 3.8 s
Unit dBm

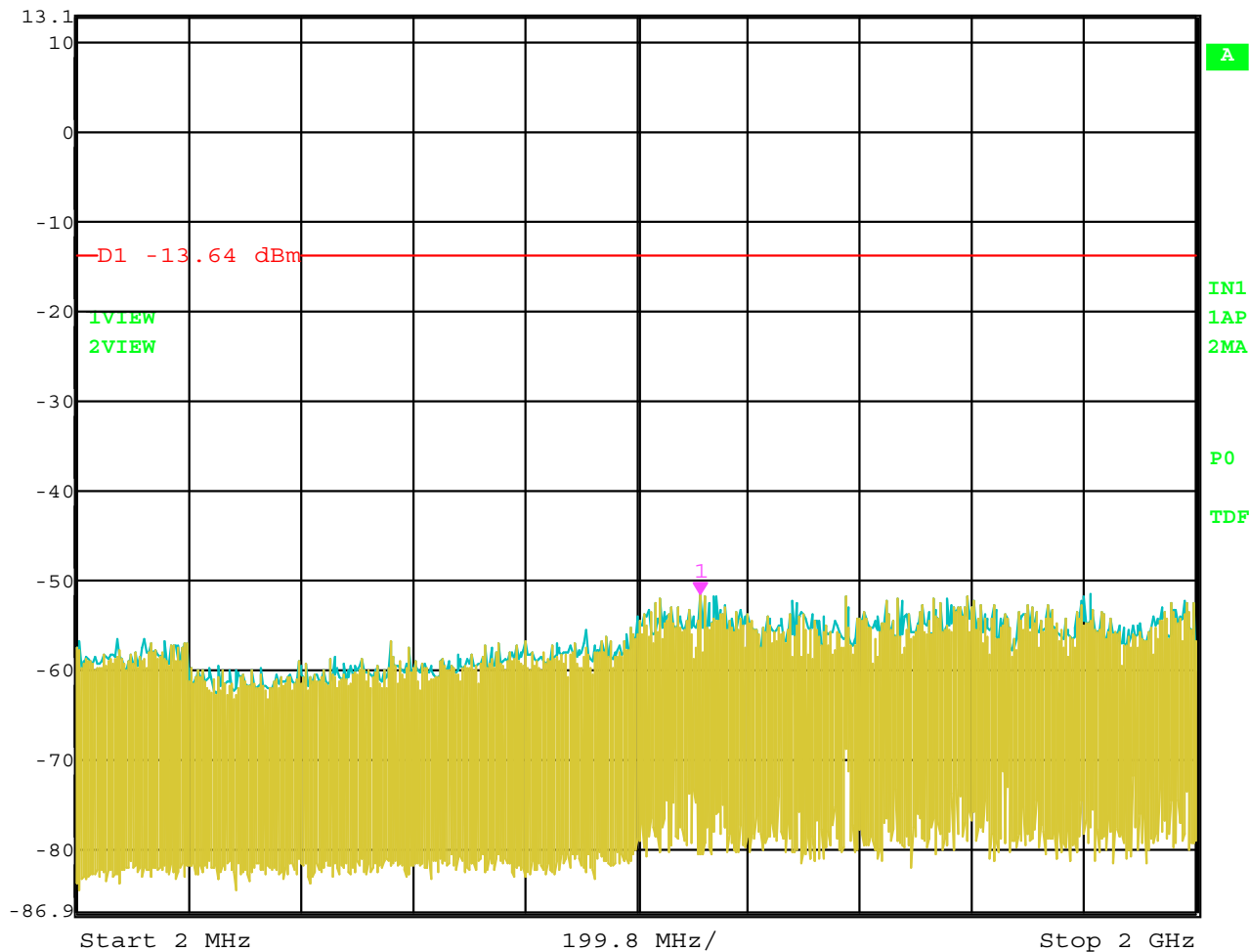


Date: 8.JUL.2004 07:20:45

RF Antenna Conducted Test – Channel 6 – 802.11 b Mode – 10 GHz to 25 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.1 dBm	-51.42 dBm	VBW	300 kHz		
	1.11511423 GHz	SWT	700 ms	Unit	dBm

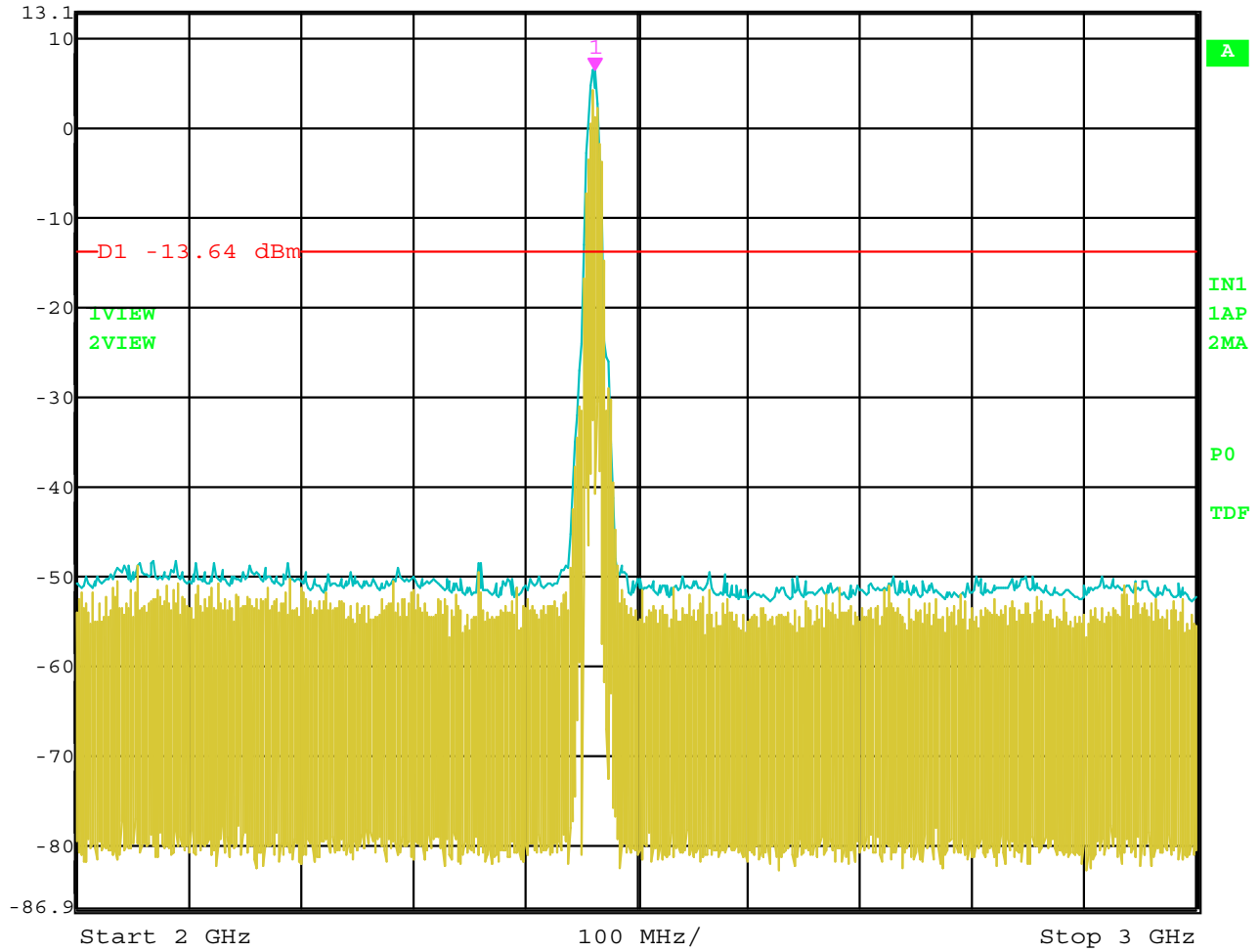


Date: 8.JUL.2004 07:24:16

RF Antenna Conducted Test – Channel 11 – 802.11 b Mode – 2 MHz to 2 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] 6.36 dBm
2.46200000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

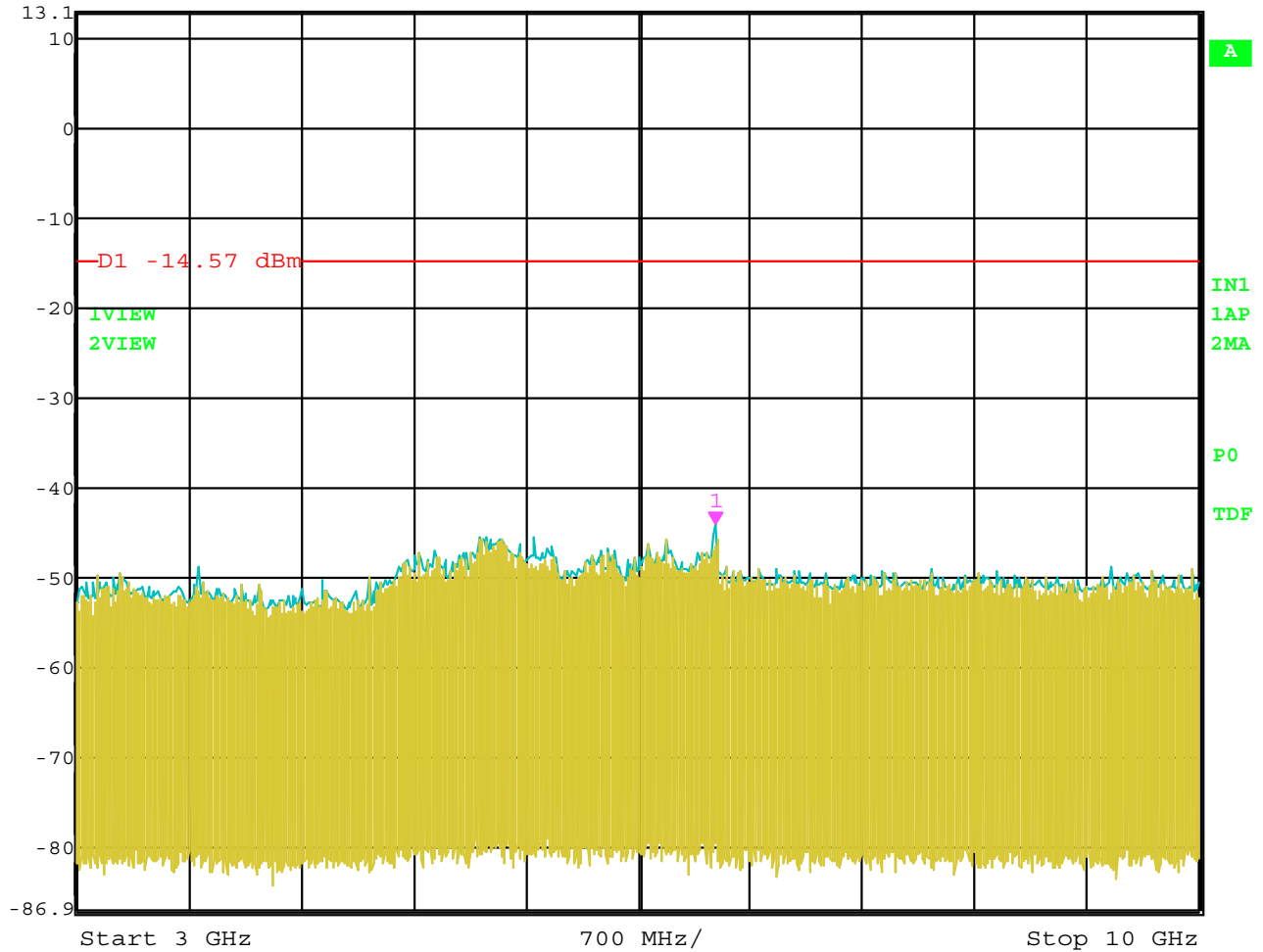


Date: 8.JUL.2004 07:23:44

RF Antenna Conducted Test – Channel 11 – 802.11 b Mode – 2 GHz to 3 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -44.10 dBm
6.98396794 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

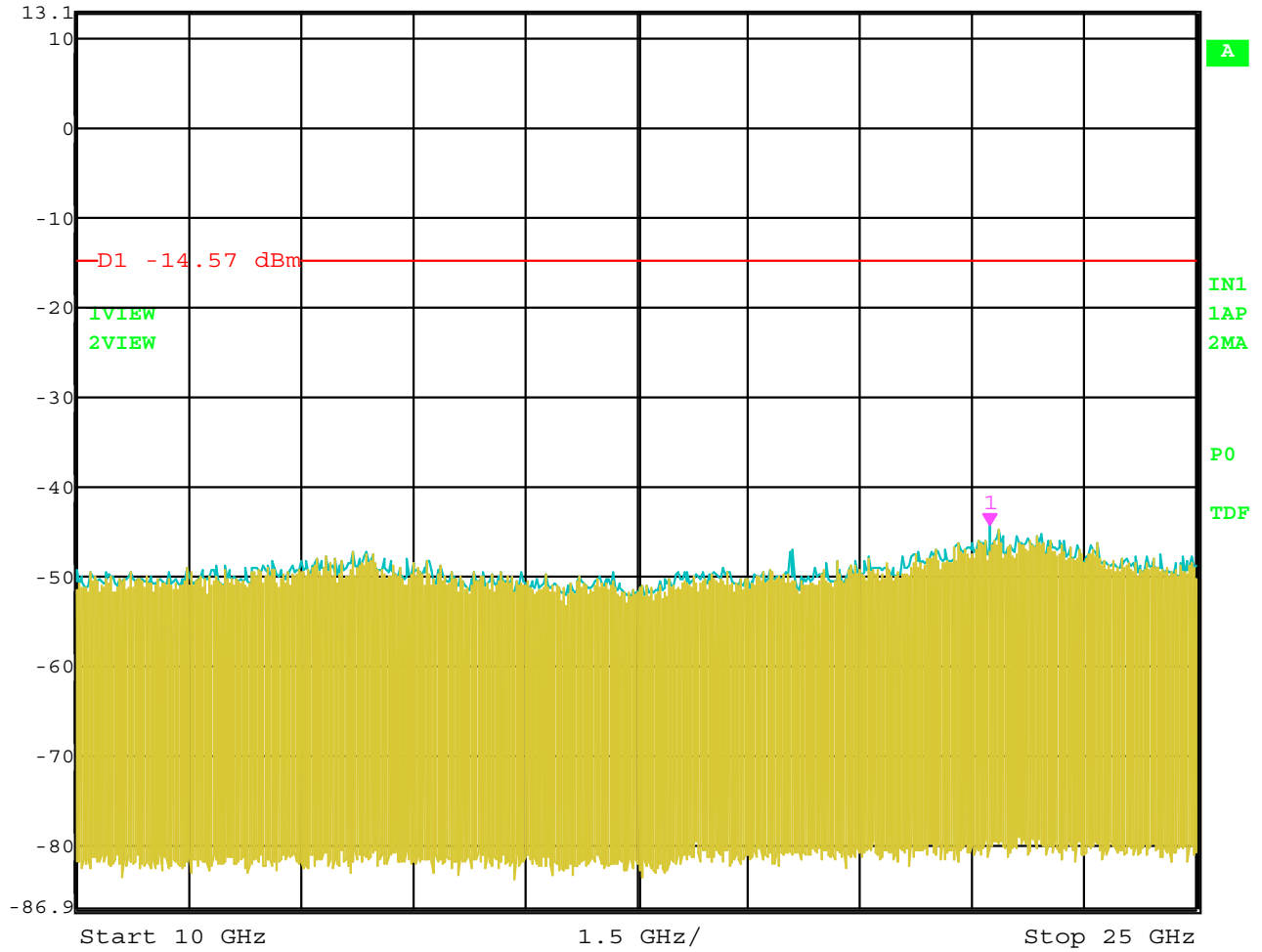


Date: 8.JUL.2004 07:15:00

RF Antenna Conducted Test – Channel 11 – 802.11 b Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -44.27 dBm
22.23446894 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

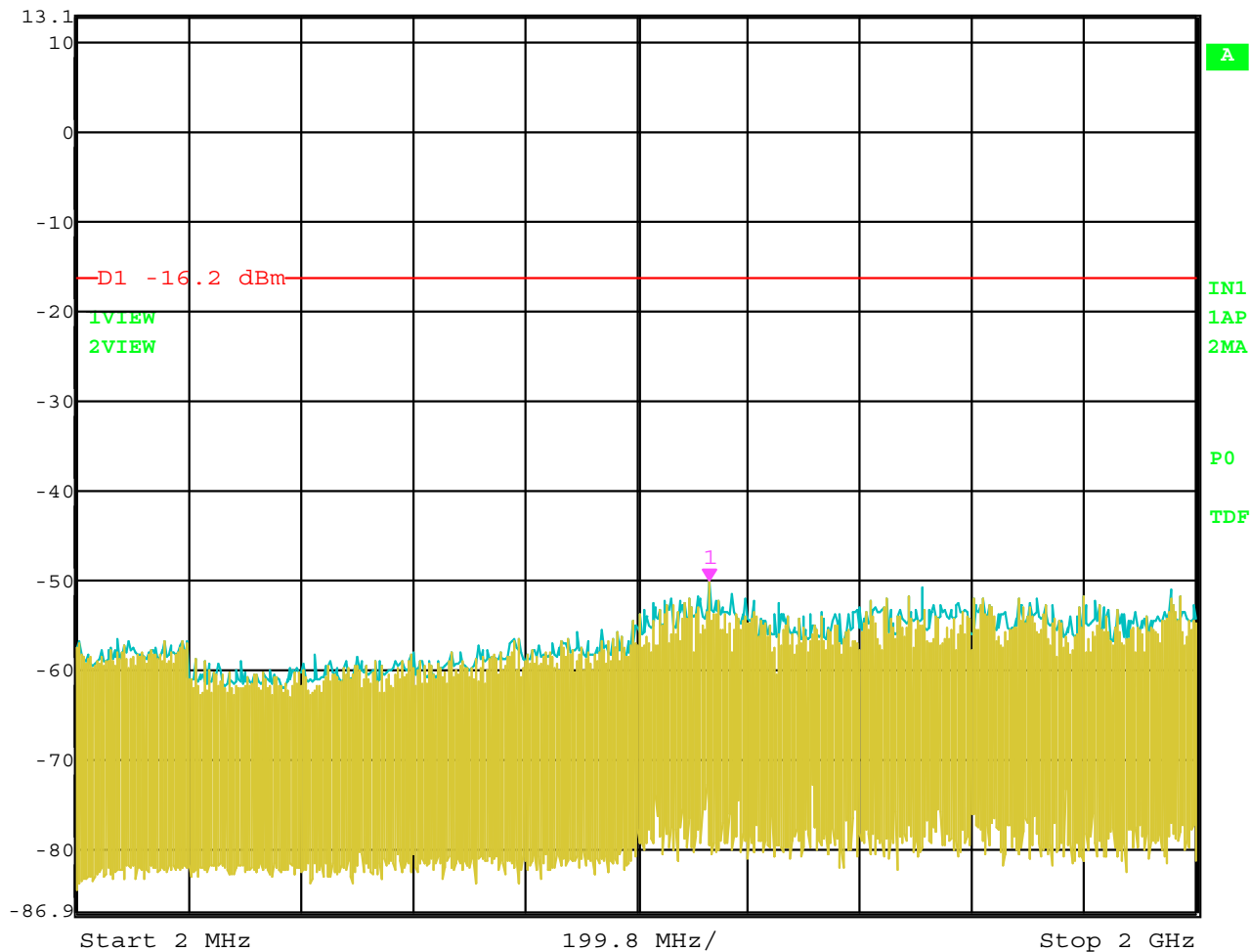


Date: 8.JUL.2004 07:15:41

RF Antenna Conducted Test – Channel 11 – 802.11 b Mode – 10 GHz to 25 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -50.03 dBm
1.13113026 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 700 ms
Unit dBm

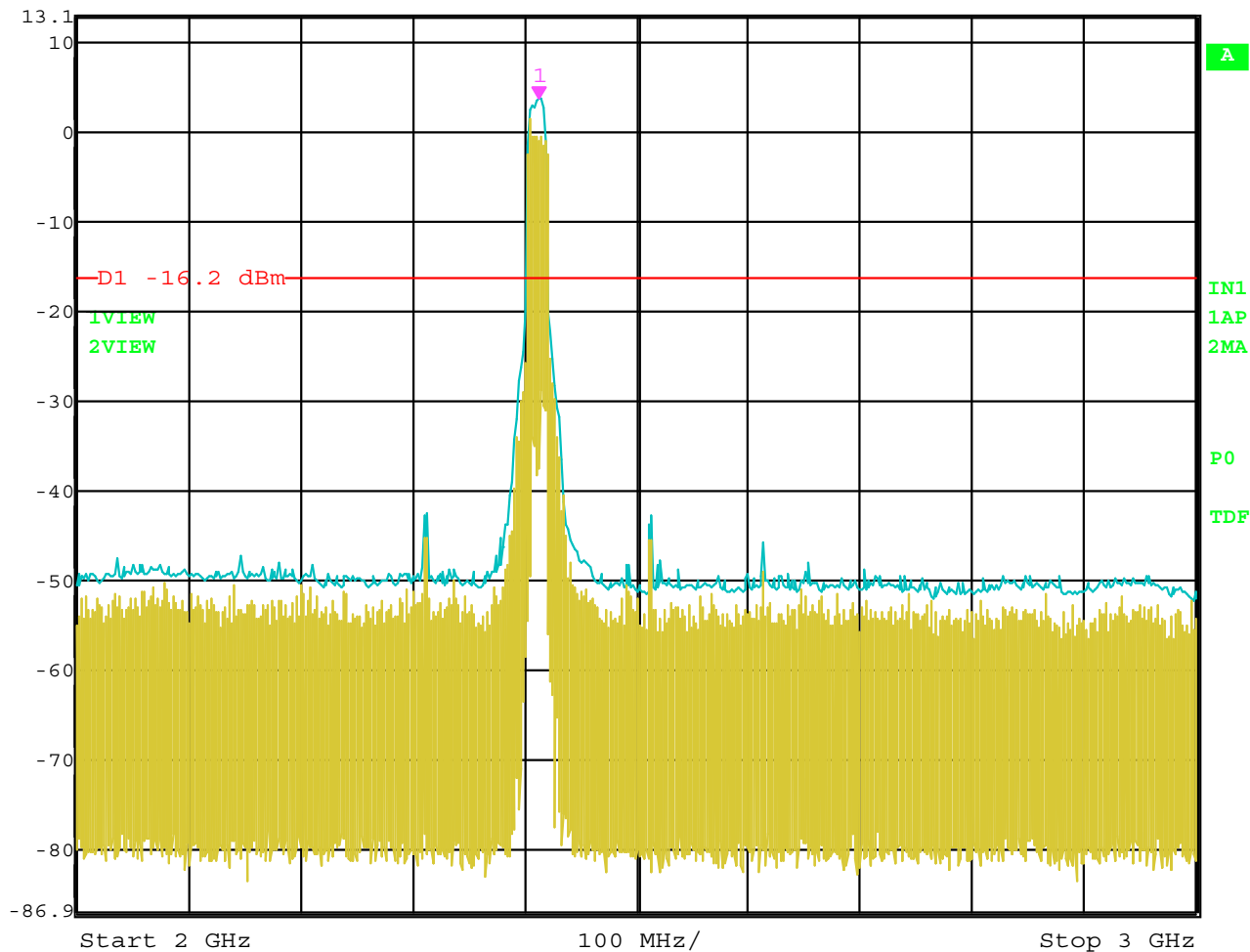


Date: 8.JUL.2004 07:31:32

RF Antenna Conducted Test – Channel 1 – 802.11 g Mode – 2 MHz to 2 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] 3.80 dBm
2.41200000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

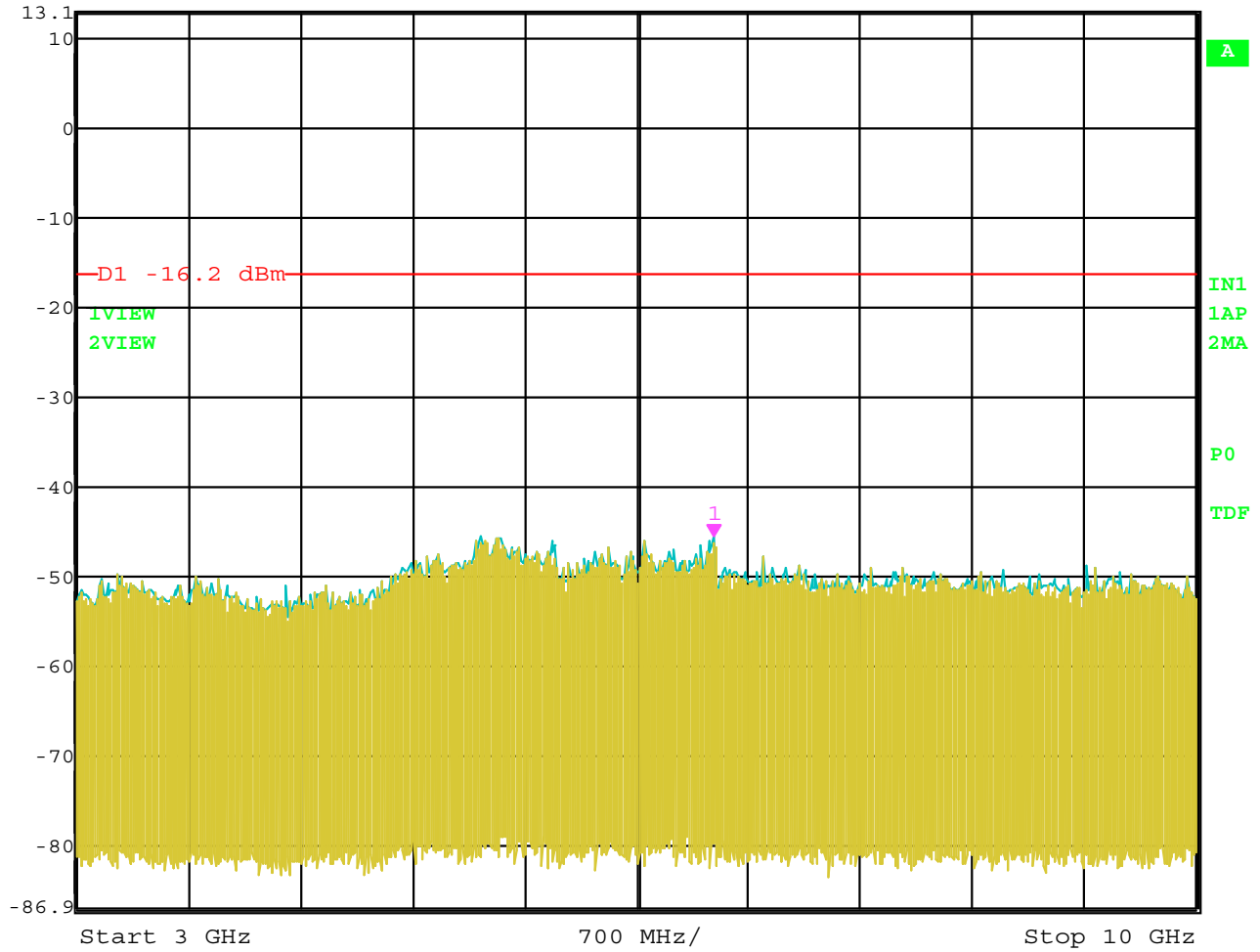


Date: 8.JUL.2004 07:30:41

RF Antenna Conducted Test – Channel 1 – 802.11 g Mode – 2 GHz to 3 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -45.46 dBm
6.98396794 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

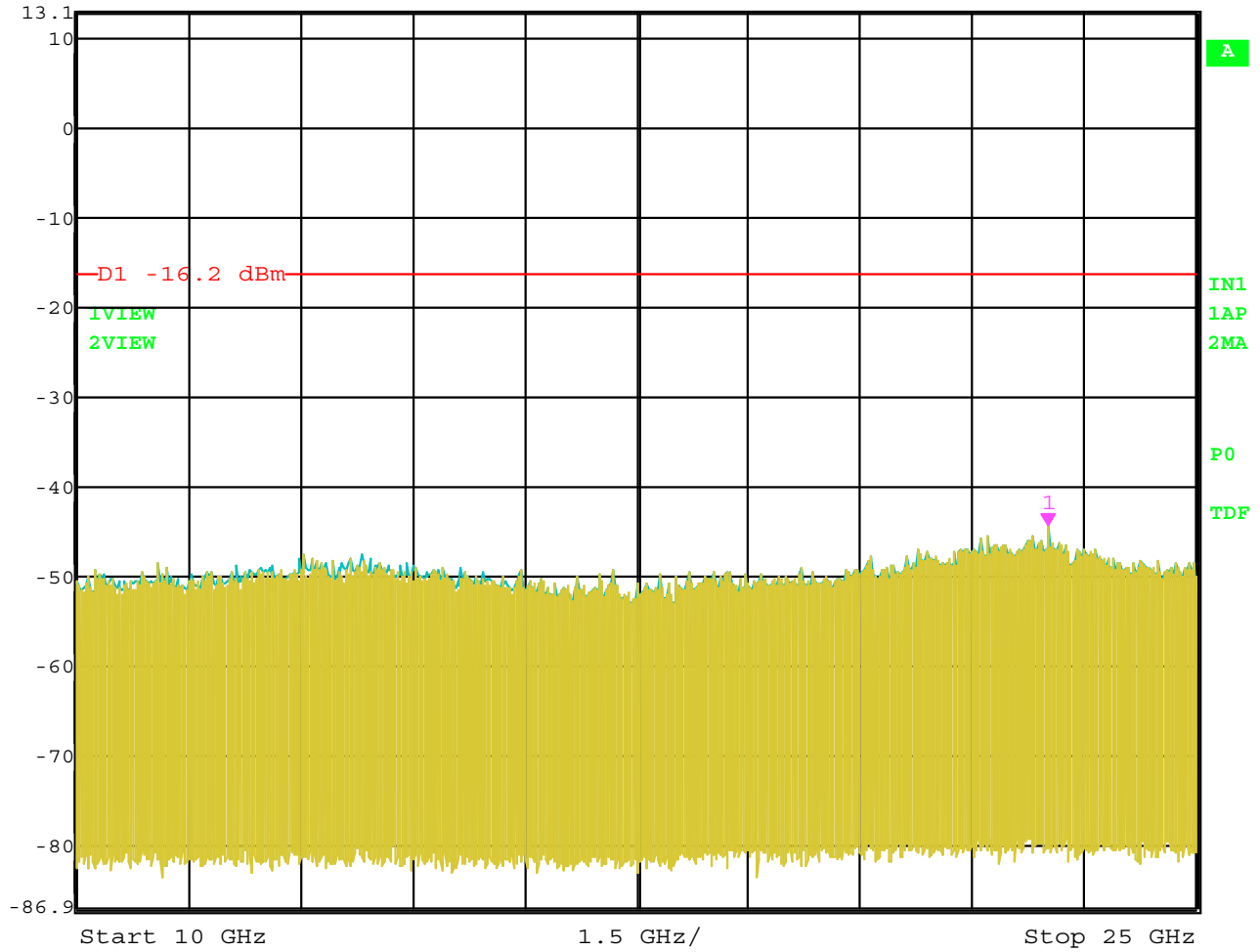


Date: 8.JUL.2004 07:32:19

RF Antenna Conducted Test – Channel 1 – 802.11 g Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm Marker 1 [T2] -44.29 dBm RBW 100 kHz RF Att 40 dB
23.01603206 GHz VBW 300 kHz Unit dBm
SWT 3.8 s

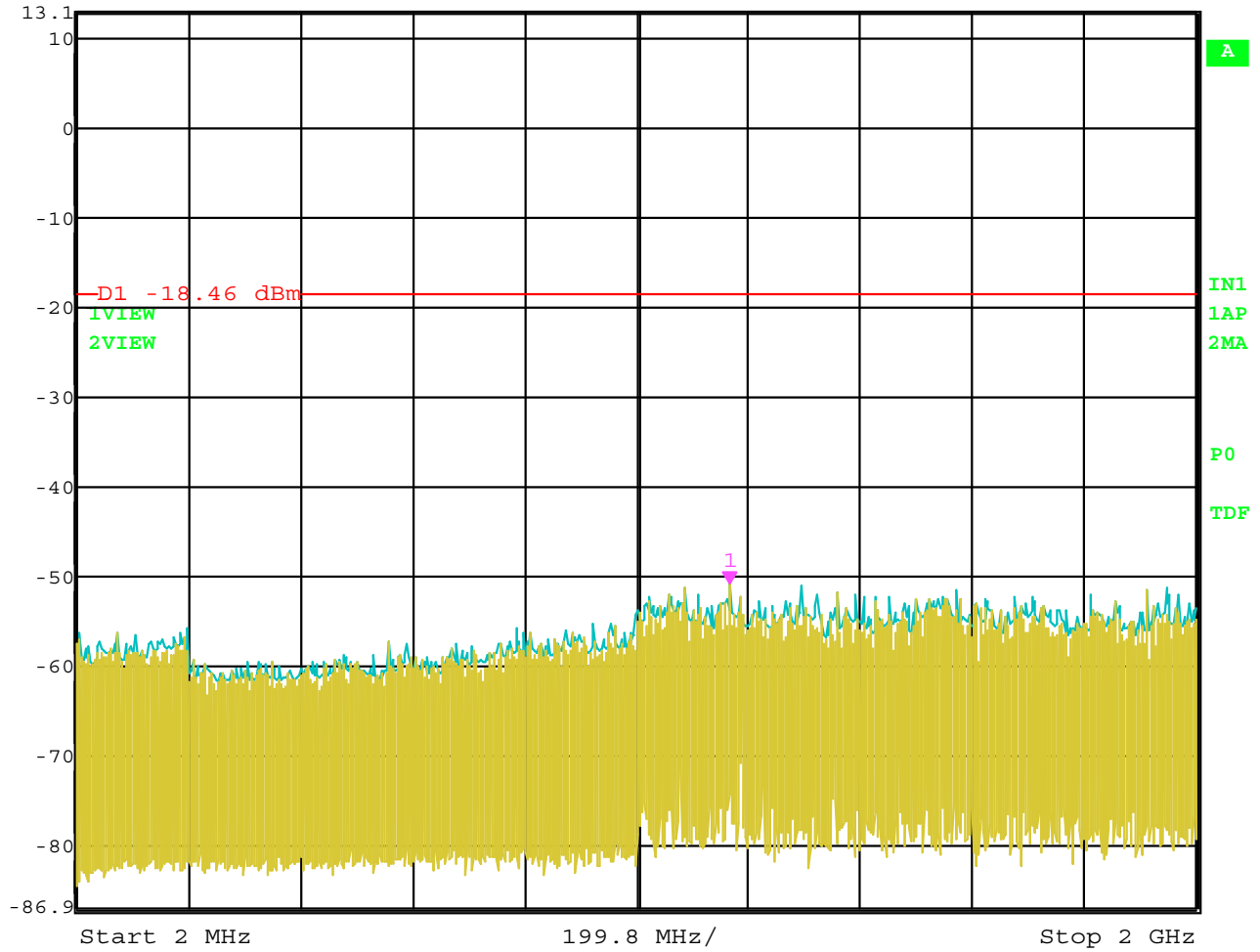


Date: 8.JUL.2004 07:33:08

RF Antenna Conducted Test – Channel 1 – 802.11 g Mode – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -50.85 dBm VBW 300 kHz
13.1 dBm 1.16716633 GHz SWT 700 ms Unit dBm

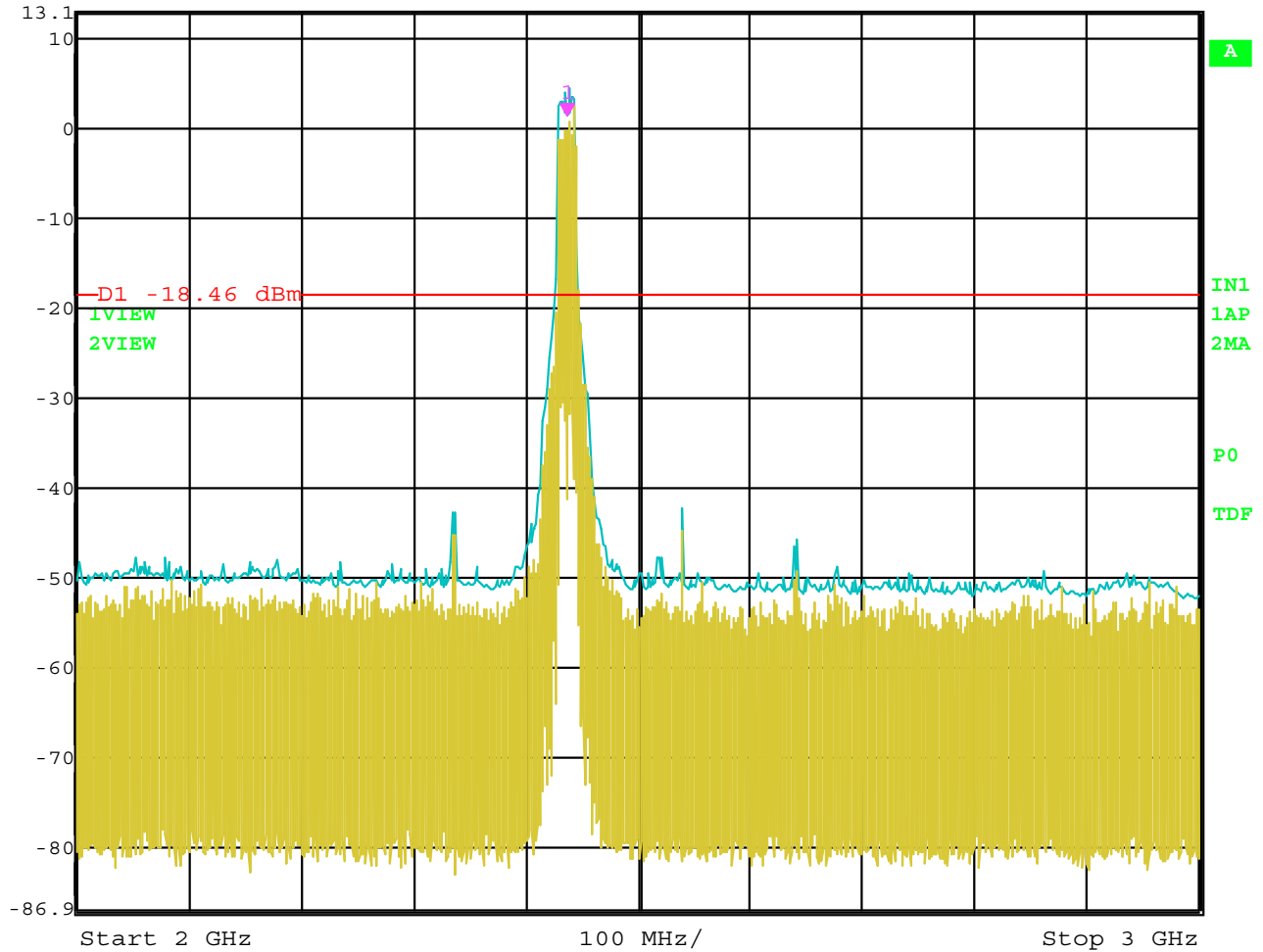


Date: 8.JUL.2004 07:36:47

RF Antenna Conducted Test – Channel 6 – 802.11 g Mode – 2 MHz to 2 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] 1.54 dBm
2.43700000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

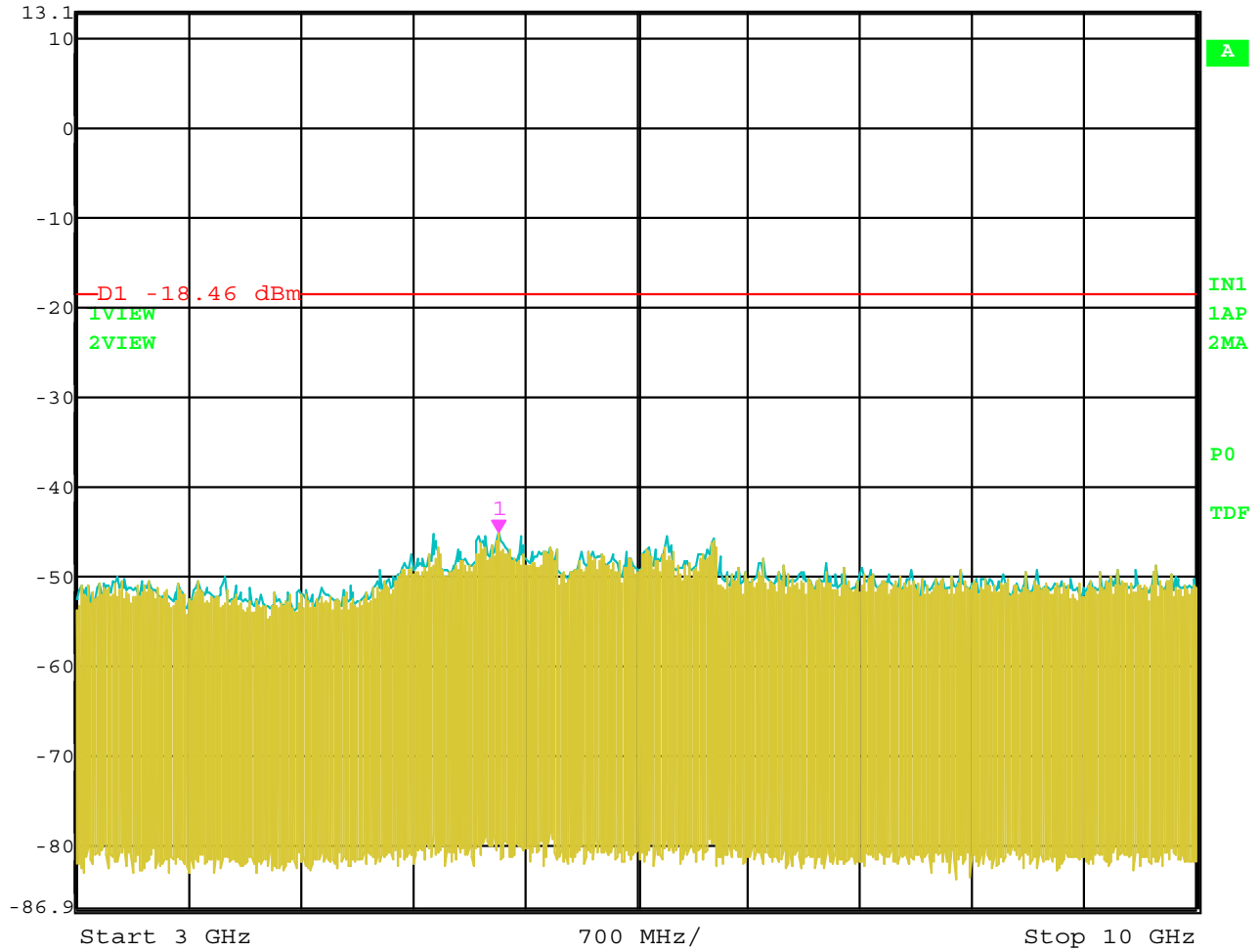


Date: 8.JUL.2004 07:36:11

RF Antenna Conducted Test – Channel 6 – 802.11 g Mode – 2 GHz to 3 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.1 dBm	-45.11 dBm	VBW	300 kHz		
	5.63727455 GHz	SWT	1.75 s	Unit	dBm

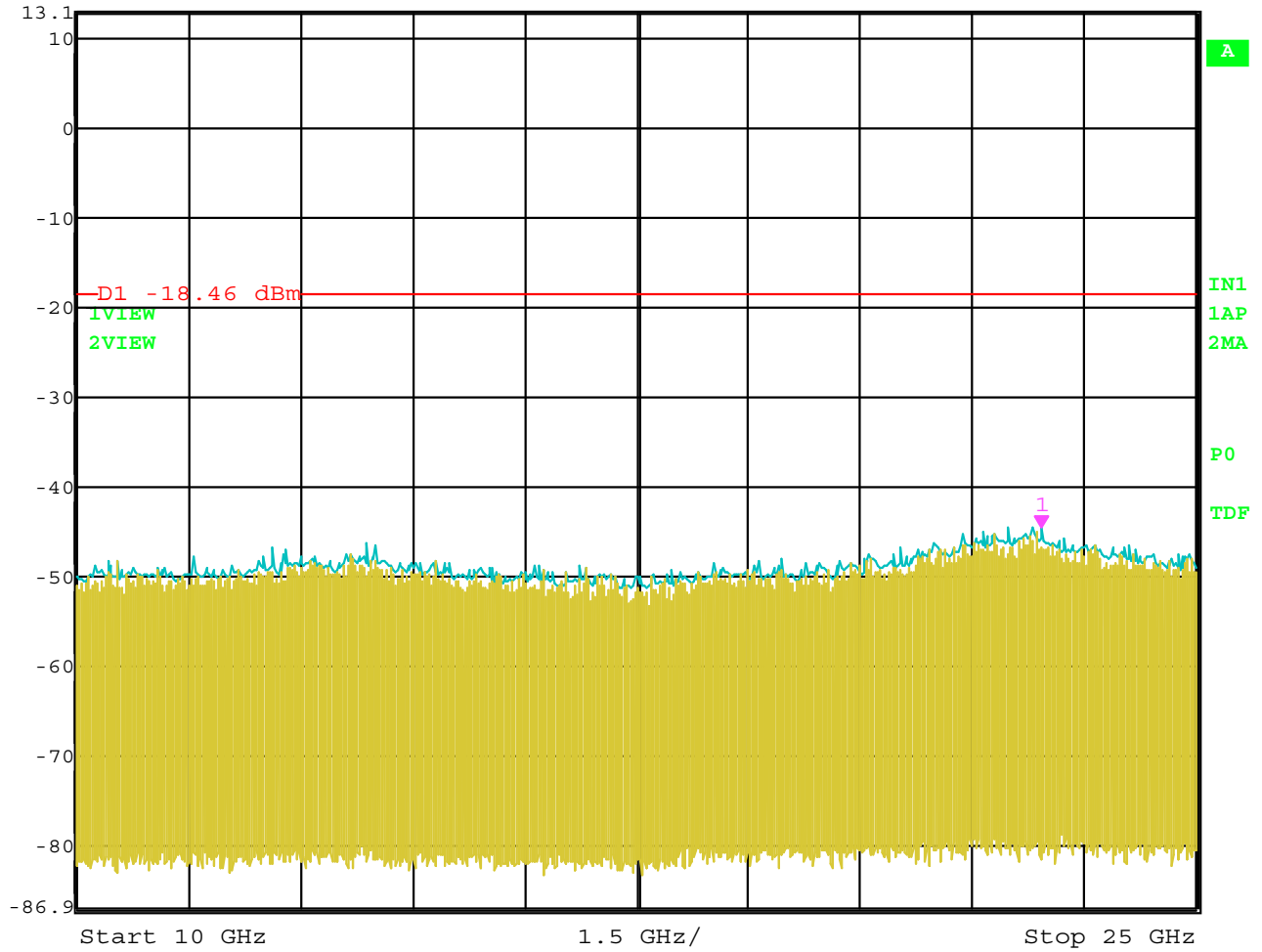


Date: 8.JUL.2004 07:37:24

RF Antenna Conducted Test – Channel 6 – 802.11 g Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -44.45 dBm
22.92585170 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

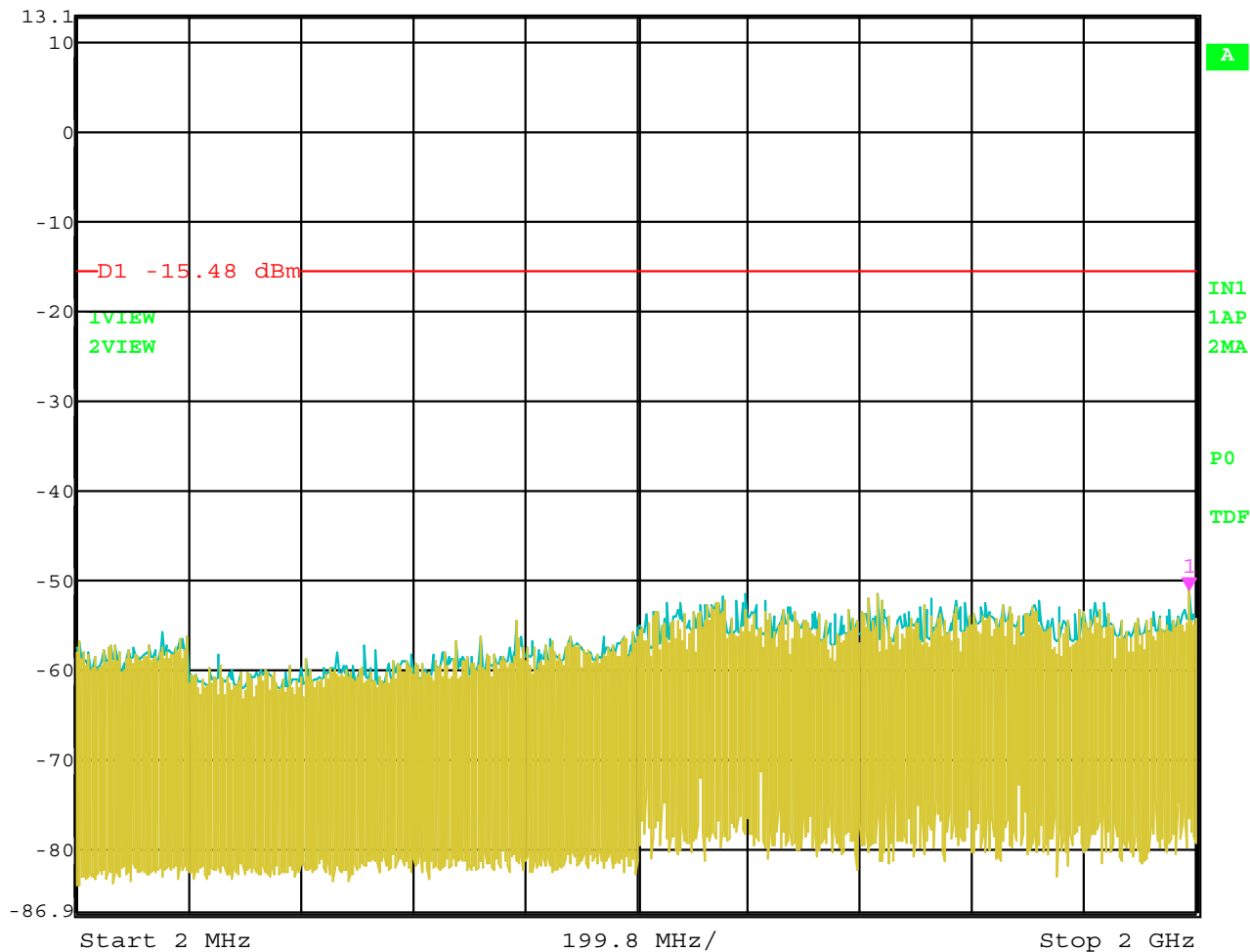


Date: 8.JUL.2004 07:38:29

RF Antenna Conducted Test – Channel 6 – 802.11 g Mode – 10 GHz to 25 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.1 dBm	-50.99 dBm	VBW	300 kHz		
	1.98798798 GHz	SWT	700 ms	Unit	dBm

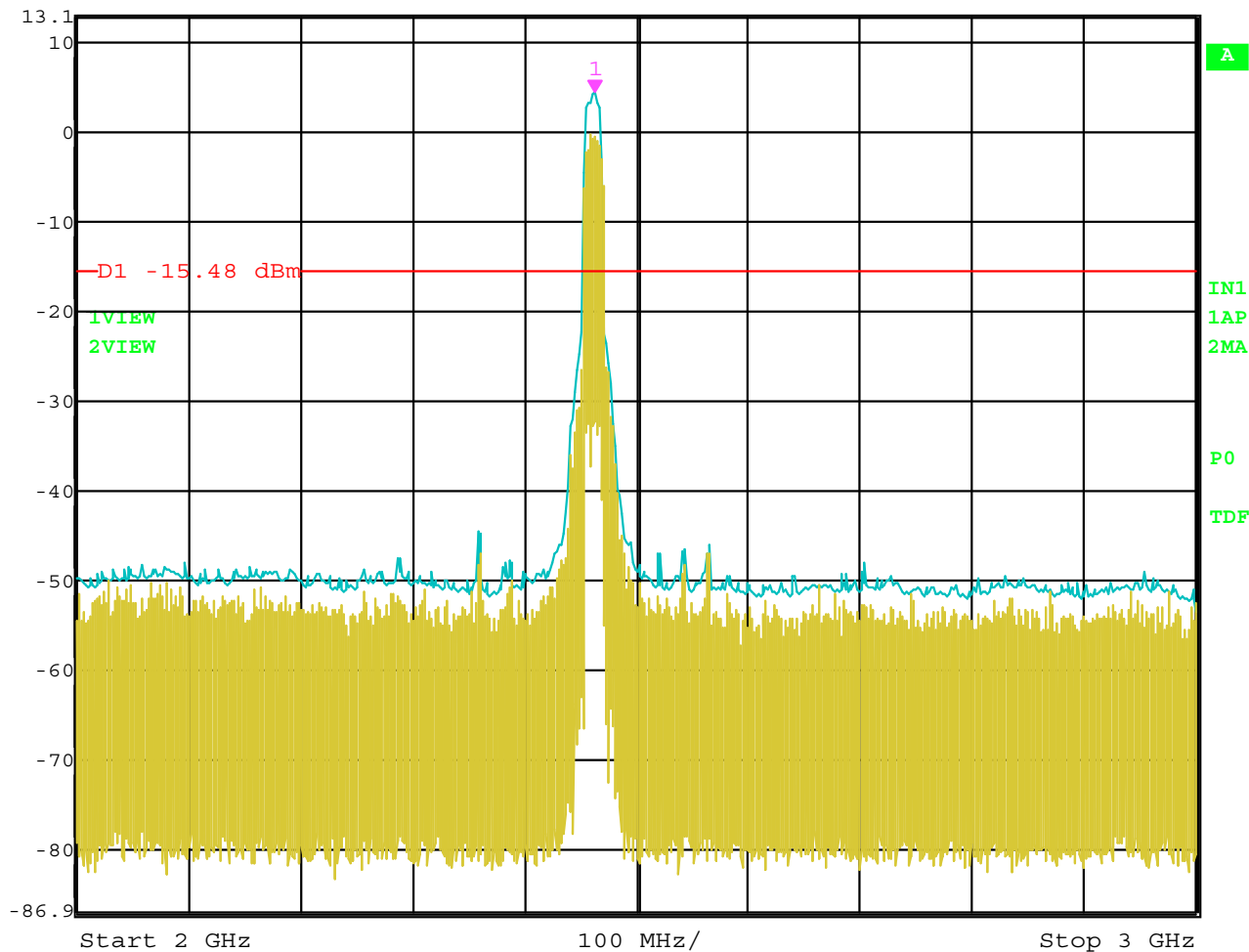


Date: 8.JUL.2004 07:42:40

RF Antenna Conducted Test – Channel 11 – 802.11 g Mode – 2 MHz to 2 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] 4.52 dBm
2.46200000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

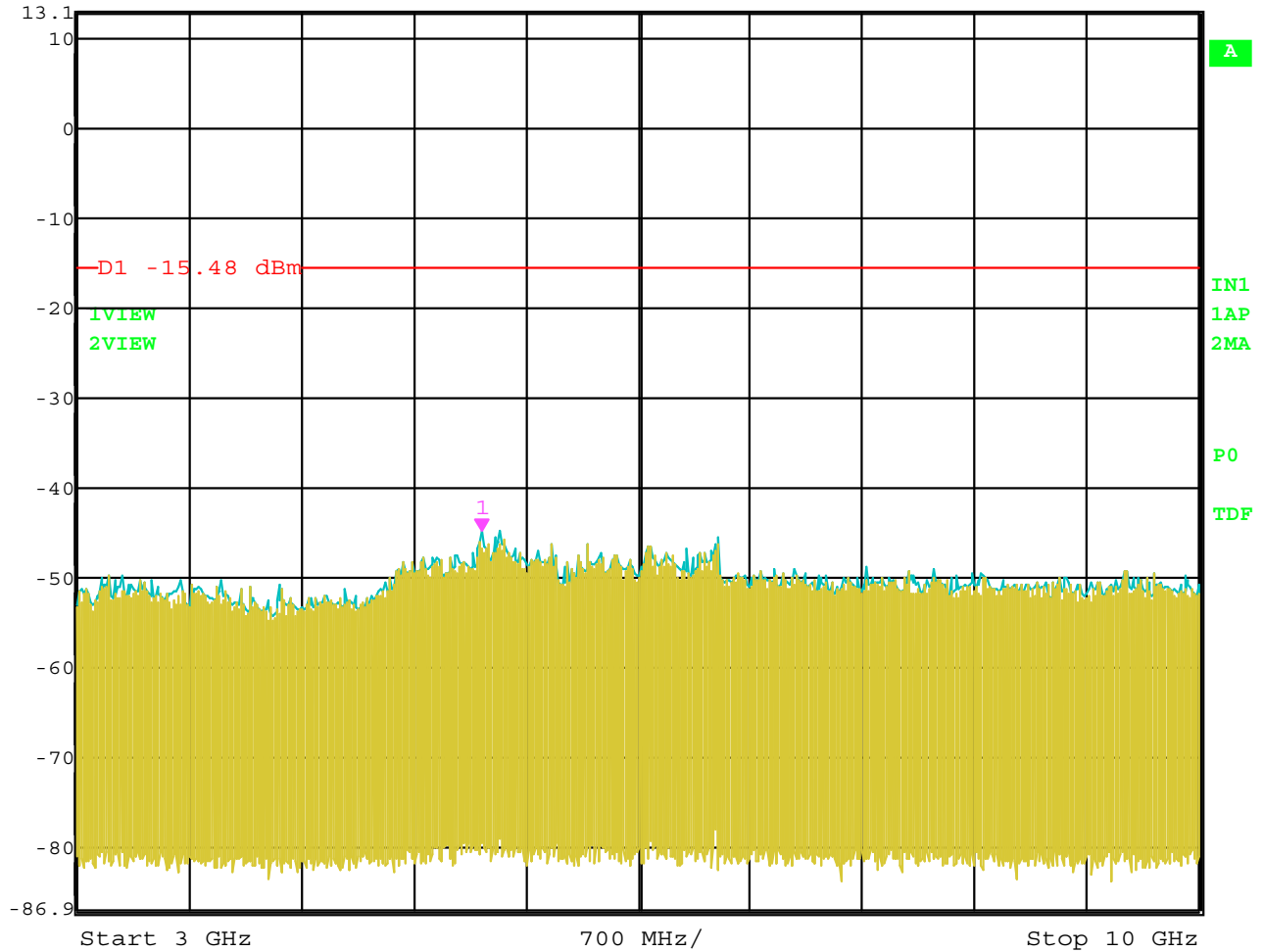


Date: 8.JUL.2004 07:42:02

RF Antenna Conducted Test – Channel 11 – 802.11 g Mode – 2 GHz to 3 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.1 dBm	-44.88 dBm	VBW	300 kHz		
	5.52505010 GHz	SWT	1.75 s	Unit	dBm

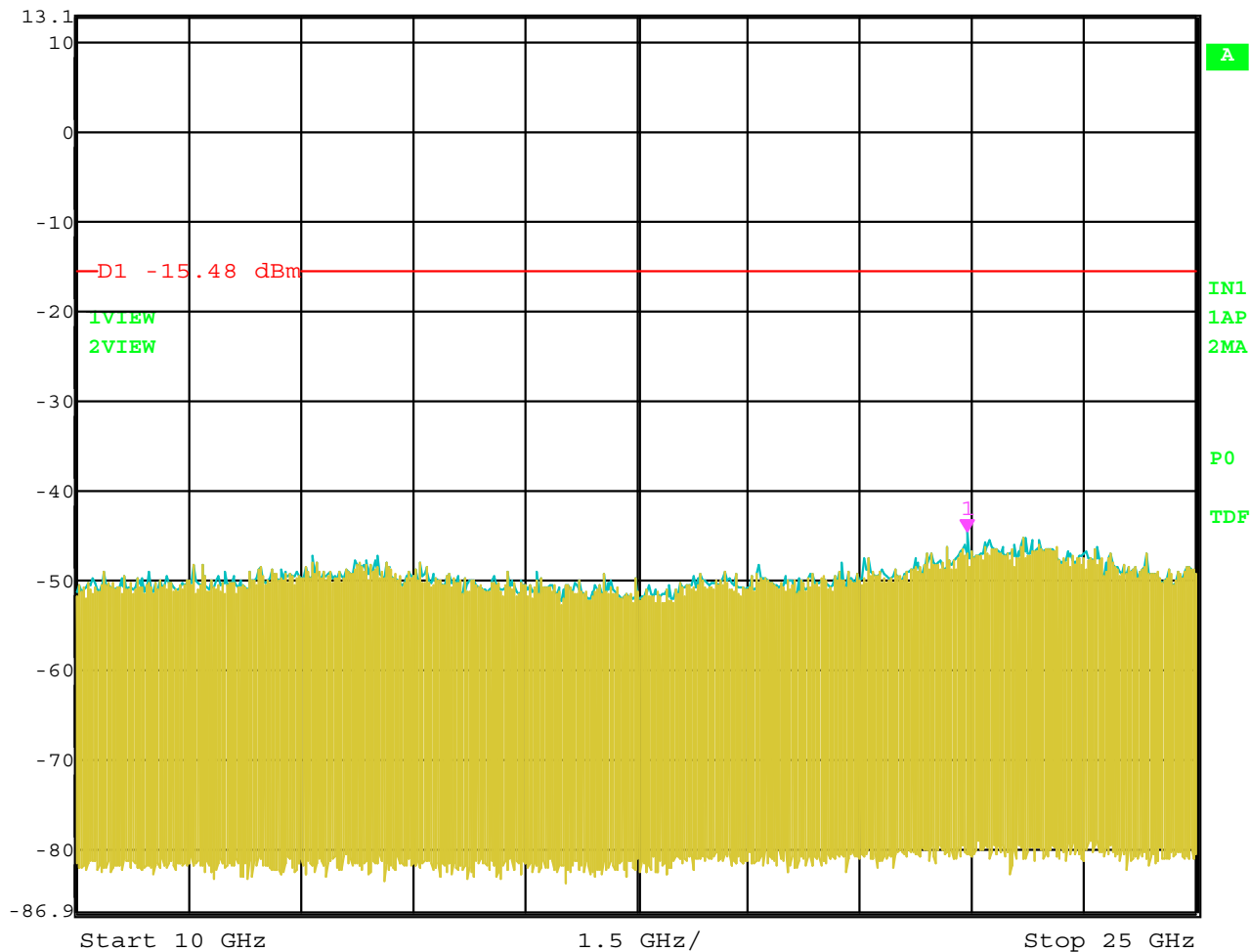


Date: 8.JUL.2004 07:43:13

RF Antenna Conducted Test – Channel 11 – 802.11 g Mode – 3 GHz to 10 GHz



Ref Lvl 13.1 dBm
Marker 1 [T2] -44.65 dBm
21.93386774 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

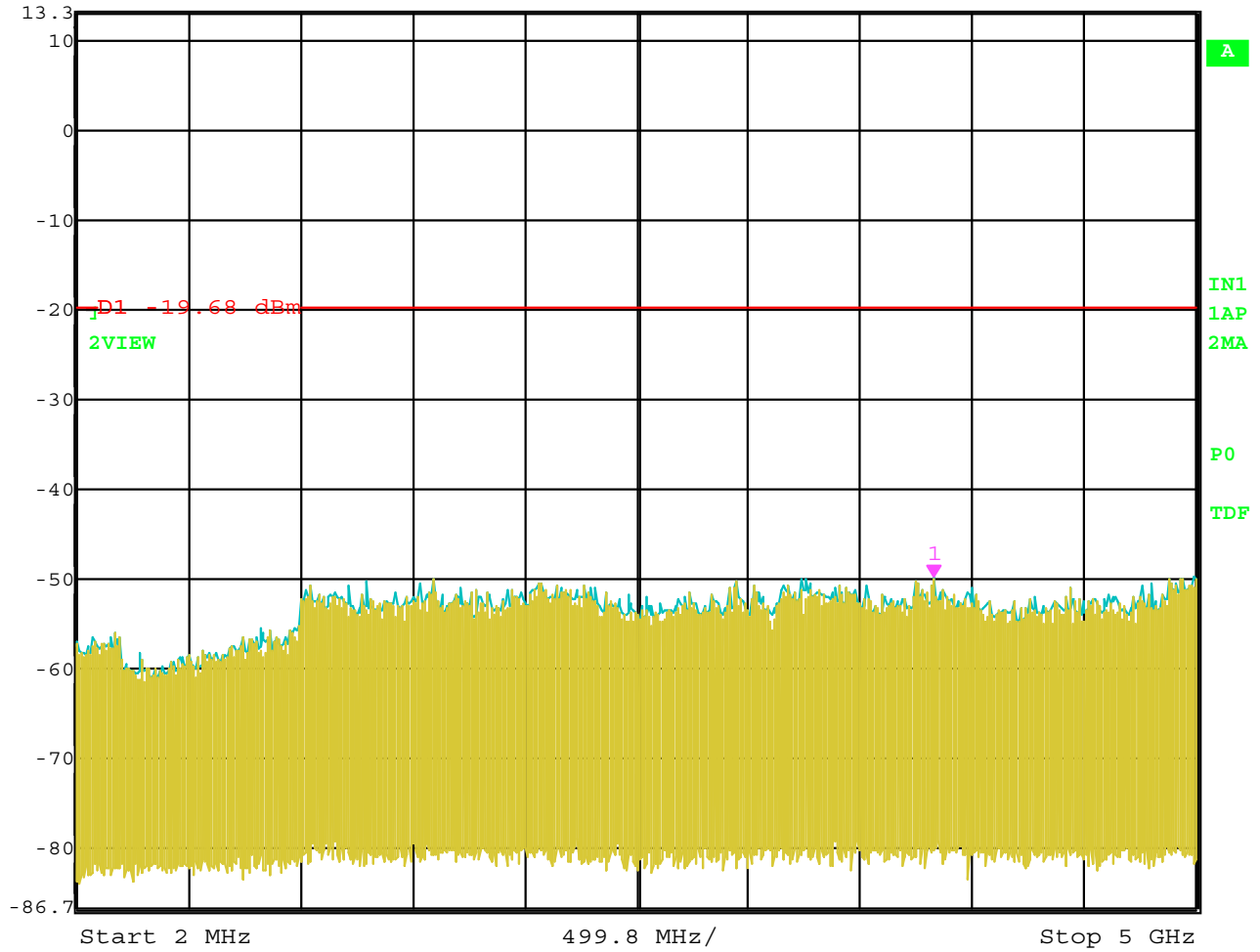


Date: 8.JUL.2004 07:43:54

RF Antenna Conducted Test – Channel 11 – 802.11 g Mode – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -49.86 dBm VBW 300 kHz
13.3 dBm 3.82812425 GHz SWT 1.25 s Unit dBm

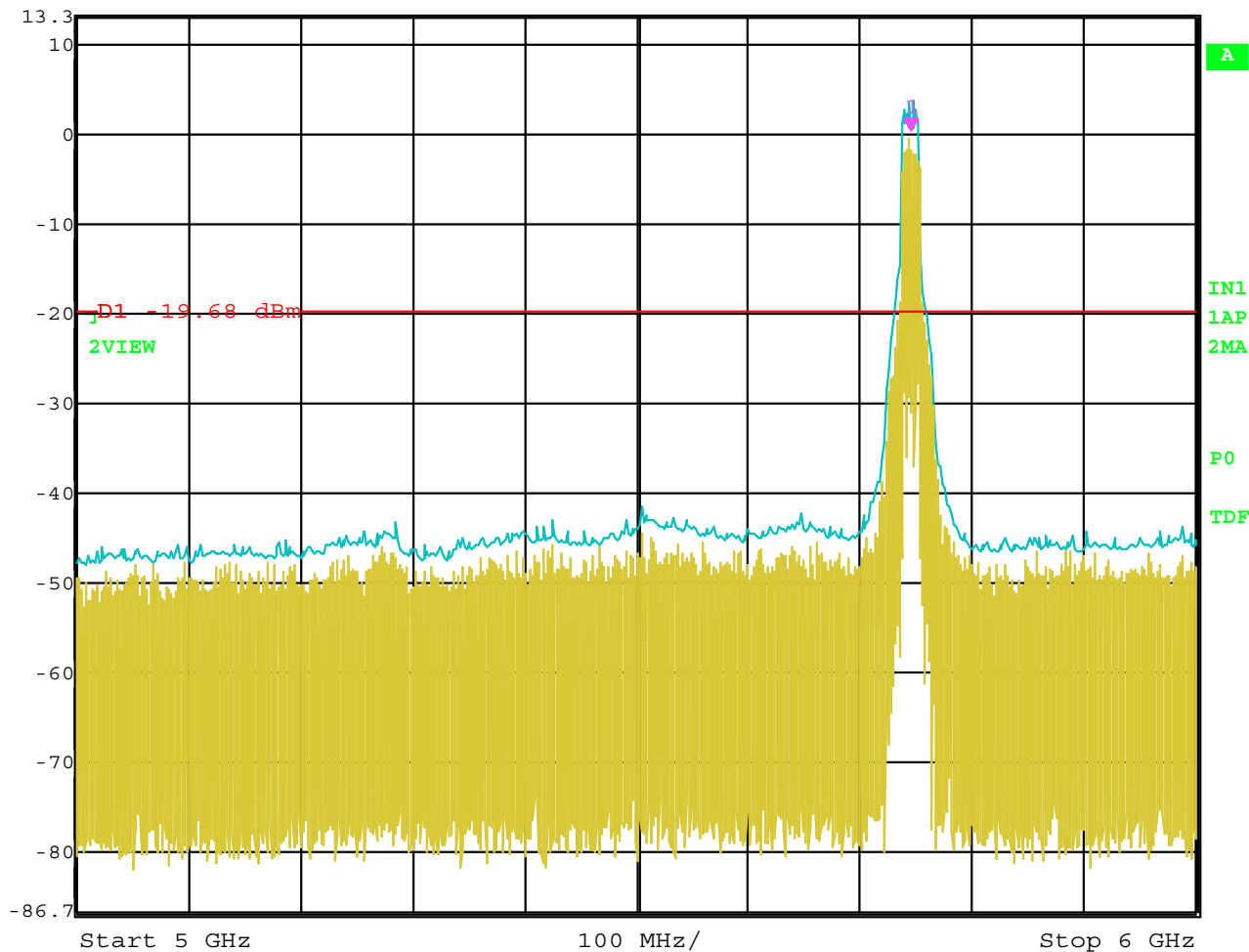


Date: 8.JUL.2004 09:00:27

RF Antenna Conducted Test – Channel 149 – 802.11 a Mode – 2 MHz to 5 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] 0.32 dBm
5.74500000 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 250 ms
Unit dBm

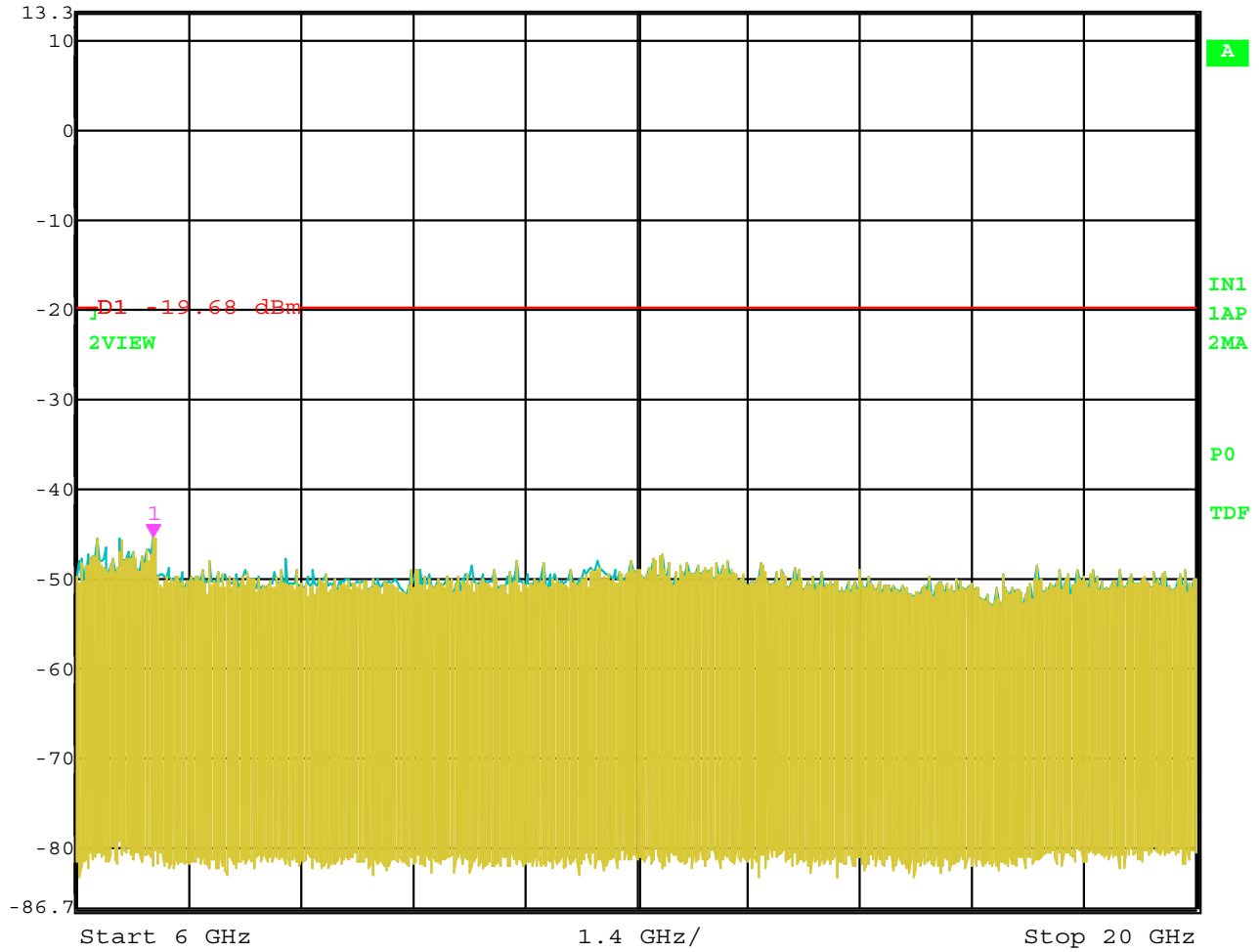


Date: 8.JUL.2004 08:59:29

RF Antenna Conducted Test – Channel 149 – 802.11 a Mode – 5 GHz to 6 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] -45.37 dBm
6.95390782 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.5 s Unit dBm

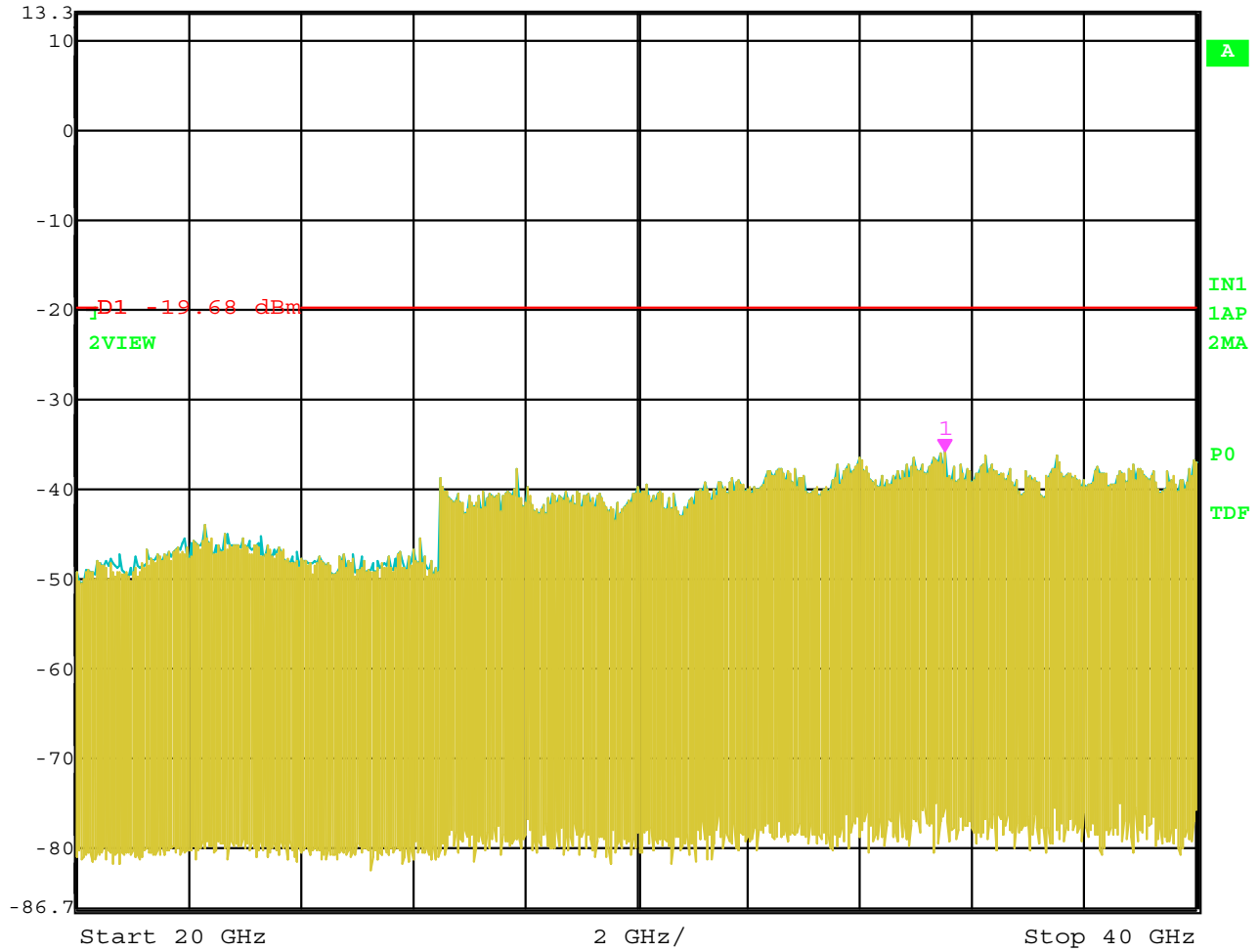


Date: 8.JUL.2004 09:01:06

RF Antenna Conducted Test – Channel 149 – 802.11 a Mode – 6 GHz to 20 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] -35.78 dBm
35.51102204 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 5 s
Unit dBm

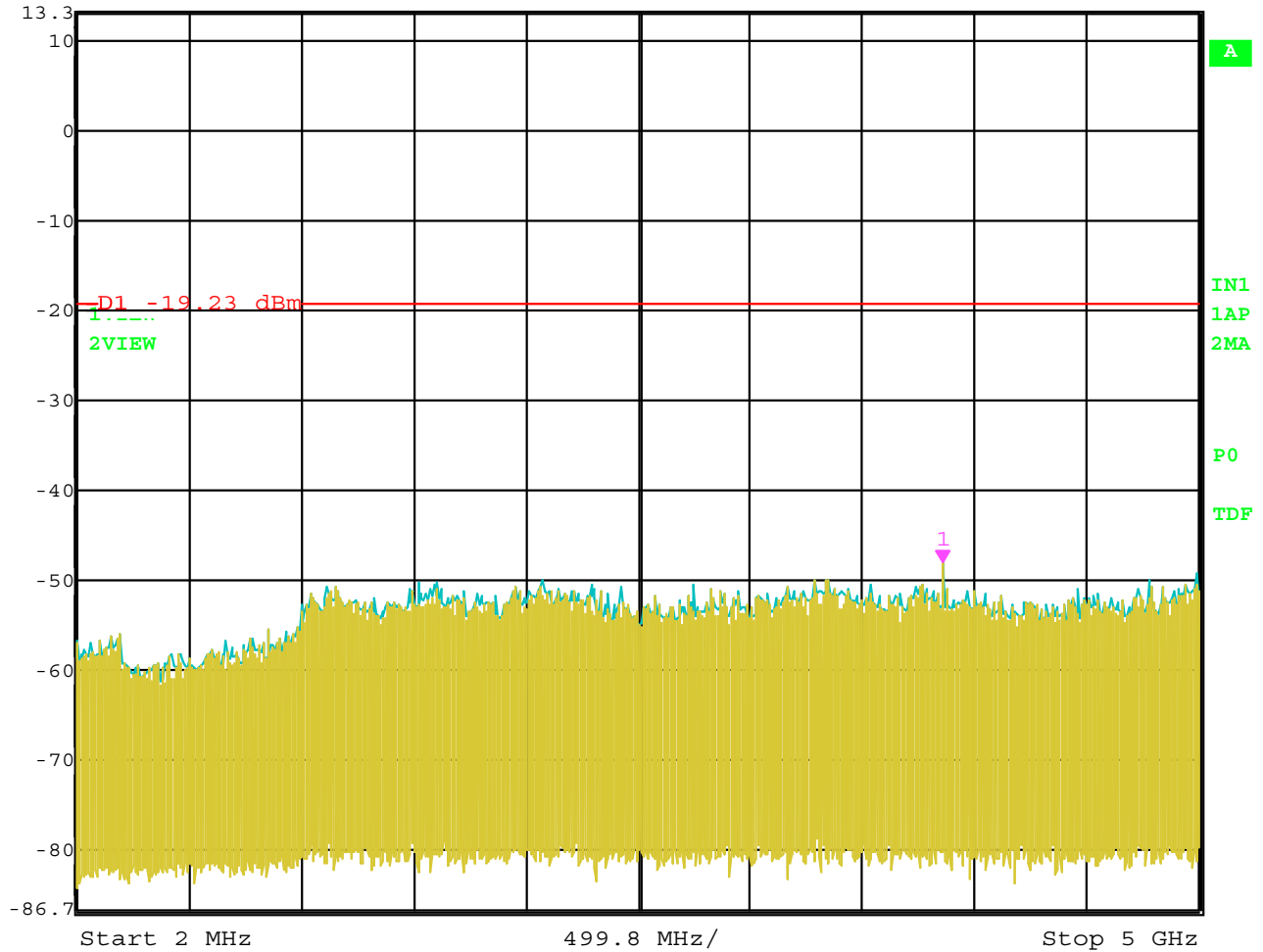


Date: 8.JUL.2004 09:01:47

RF Antenna Conducted Test – Channel 149 – 802.11 a Mode – 20 GHz to 40 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	-48.18 dBm	VBW	300 kHz		
	3.85817234 GHz	SWT	1.25 s	Unit	dBm

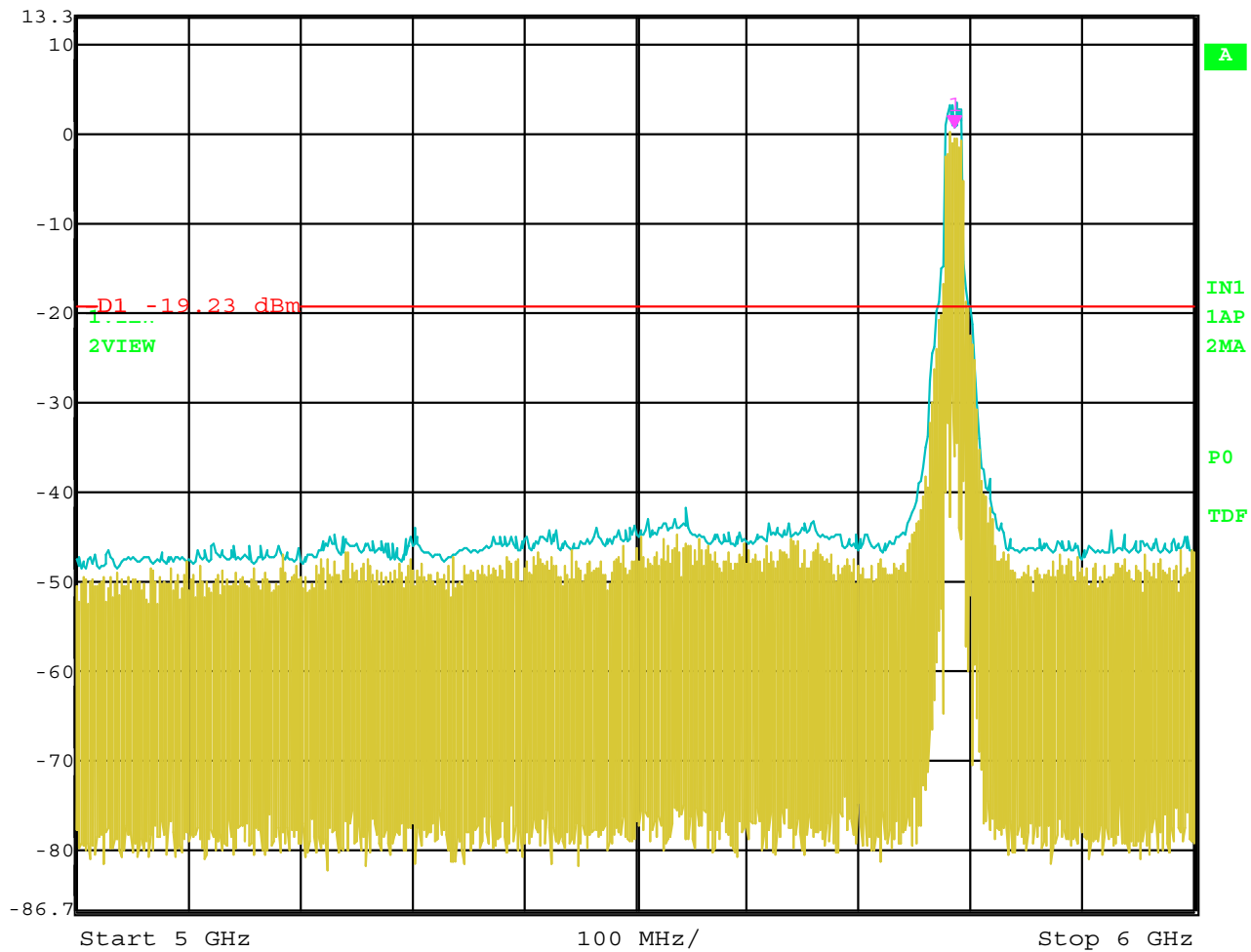


Date: 8.JUL.2004 09:04:35

RF Antenna Conducted Test – Channel 157 – 802.11 a Mode – 2 MHz to 5 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] 0.77 dBm
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

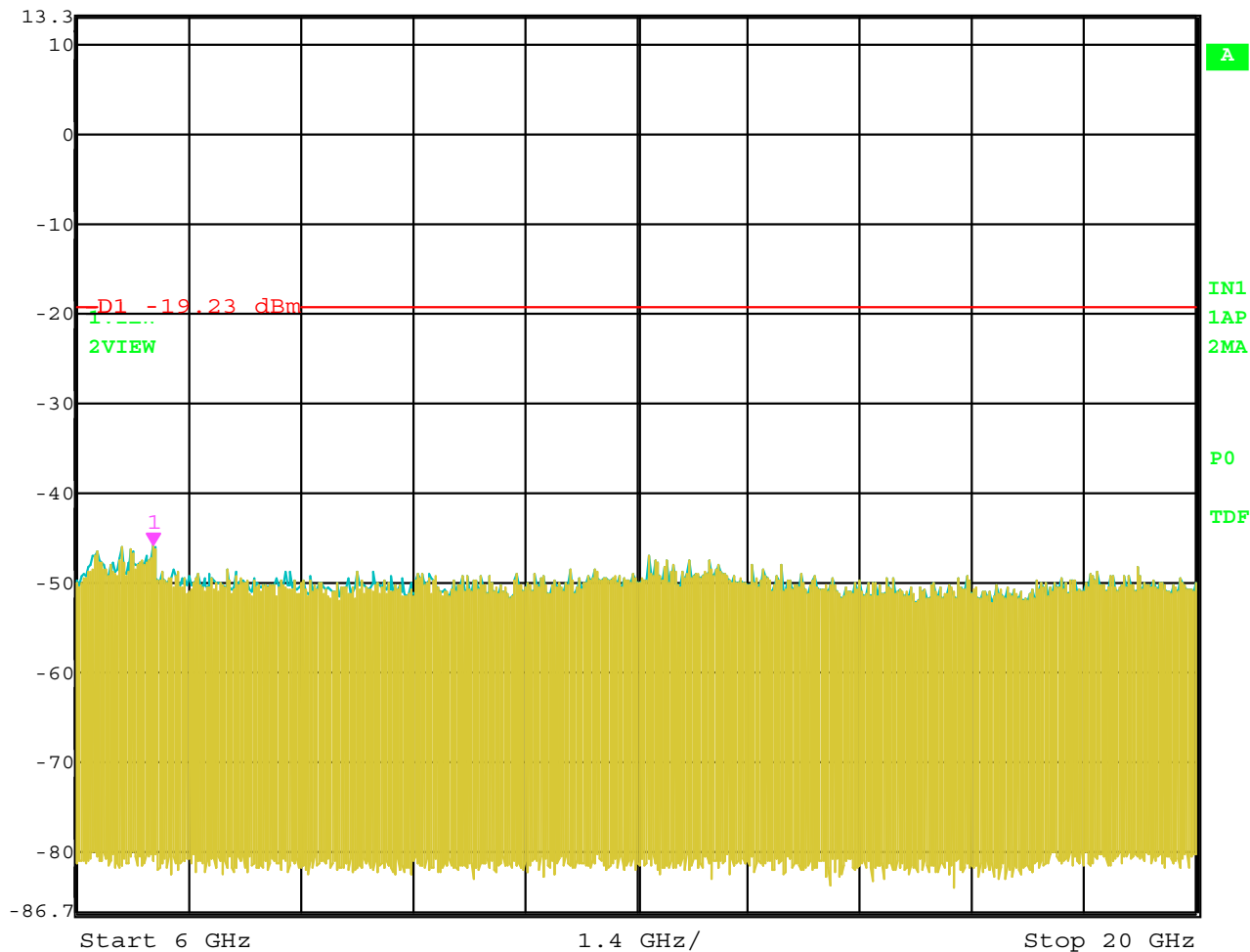


Date: 8.JUL.2004 09:04:01

RF Antenna Conducted Test – Channel 157 – 802.11 a Mode – 5 GHz to 6 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] -45.75 dBm
6.95390782 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.5 s Unit dBm

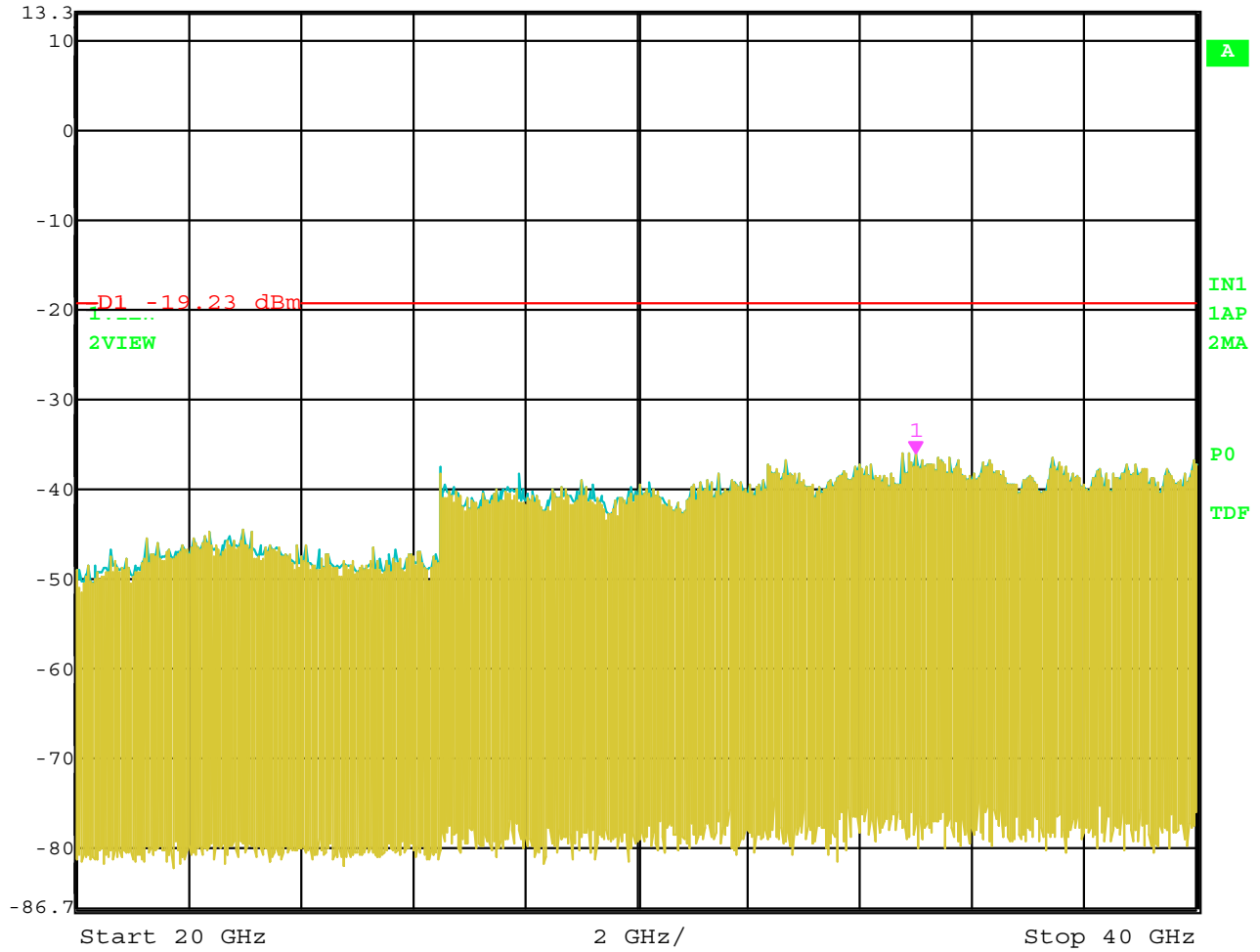


Date: 8.JUL.2004 09:05:10

RF Antenna Conducted Test – Channel 157 – 802.11 a Mode – 6 GHz to 20 GHz



Ref Lvl 13.3 dBm
Marker 1 [T2] -36.00 dBm
34.98997996 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 5 s Unit dBm

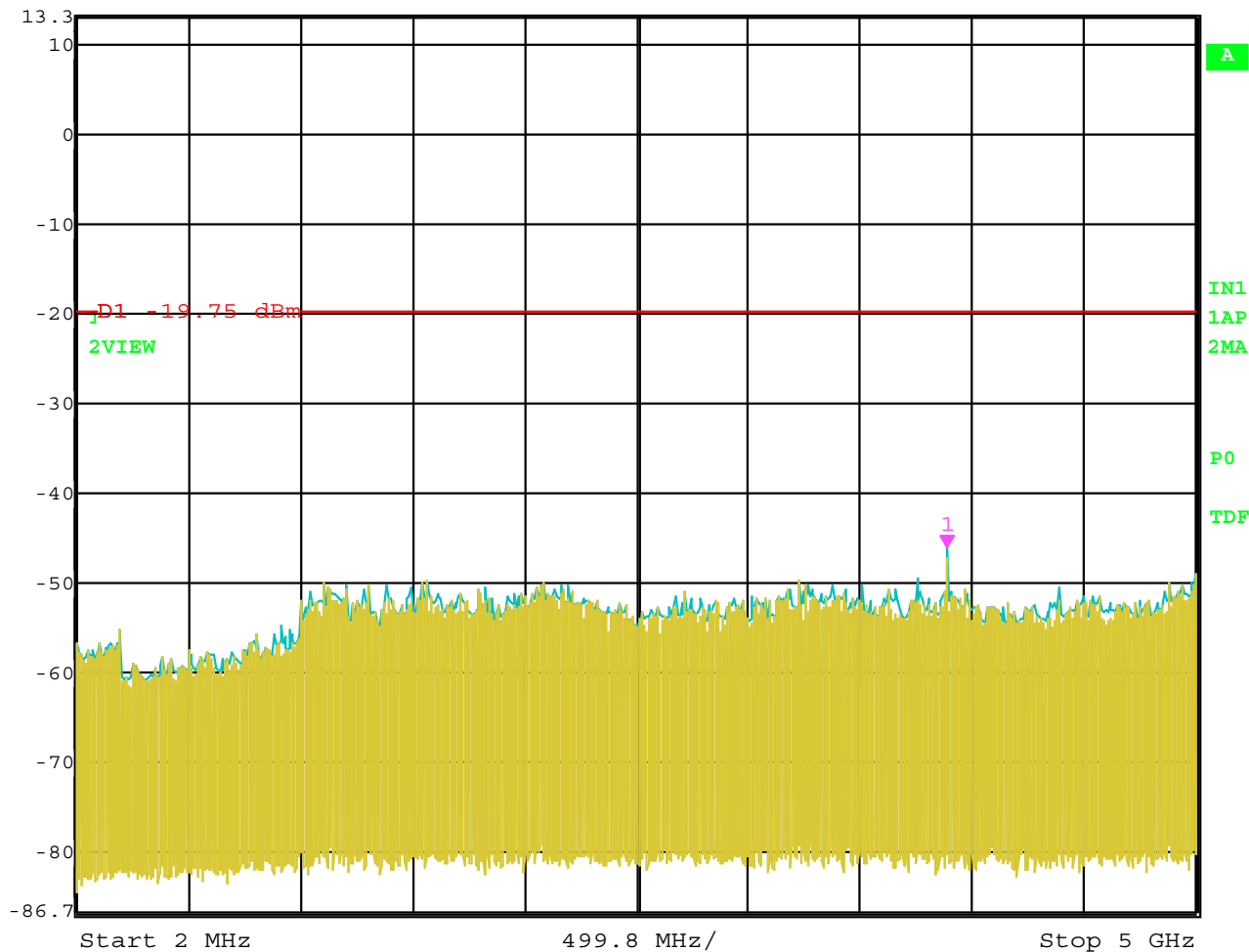


Date: 8.JUL.2004 09:05:52

RF Antenna Conducted Test – Channel 157 – 802.11 a Mode – 20 GHz to 40 GHz



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -46.09 dBm VBW 300 kHz
13.3 dBm 3.88822044 GHz SWT 1.25 s Unit dBm

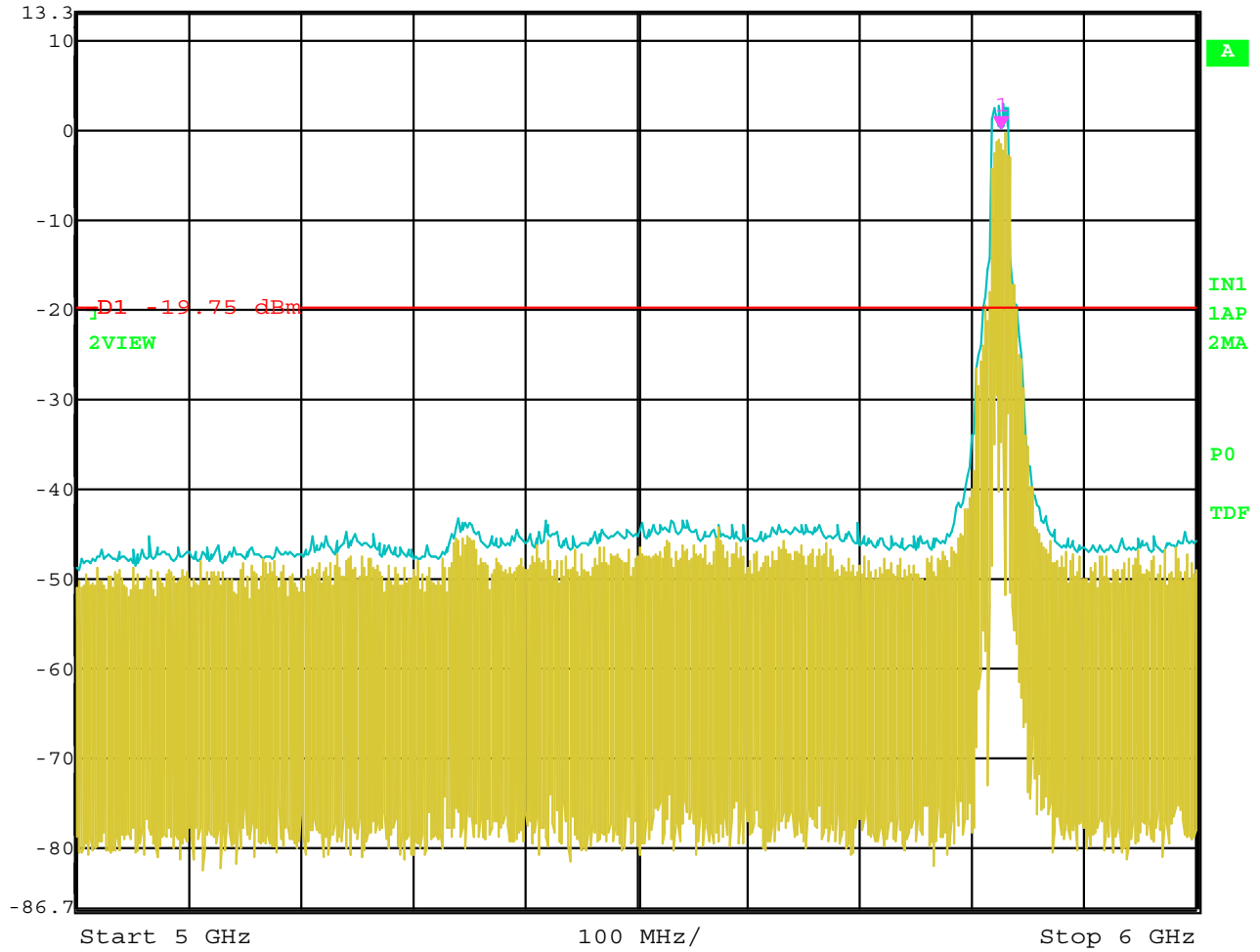


Date: 8.JUL.2004 09:09:25

RF Antenna Conducted Test – Channel 165 – 802.11 a Mode – 2 MHz to 5 GHz



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 0.25 dBm VBW 300 kHz
13.3 dBm 5.82500000 GHz SWT 250 ms Unit dBm

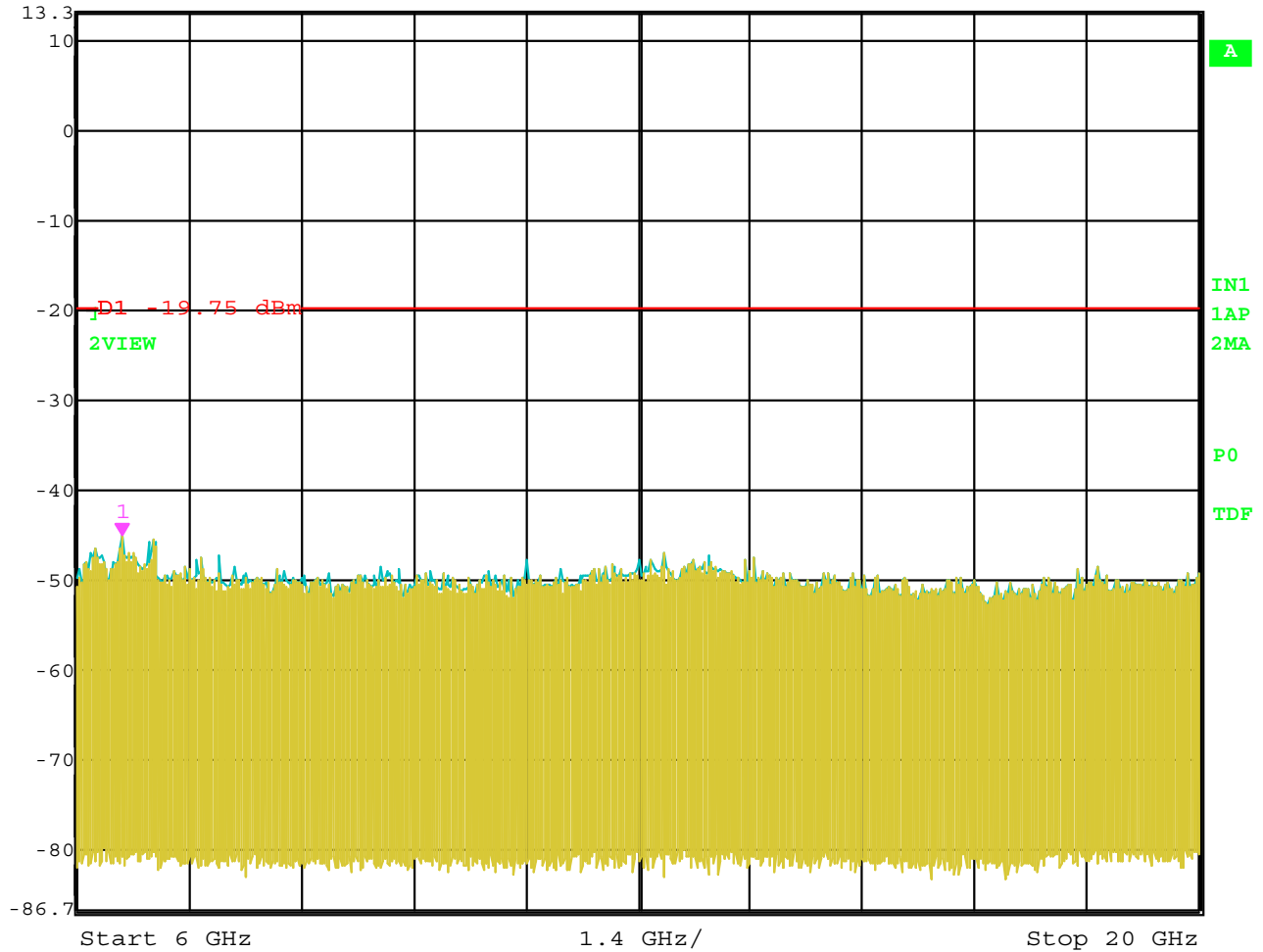


Date: 8.JUL.2004 09:08:39

RF Antenna Conducted Test – Channel 165 – 802.11 a Mode – 5 GHz to 6 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
13.3 dBm	-45.07 dBm	VBW	300 kHz		
	6.56112224 GHz	SWT	3.5 s	Unit	dBm

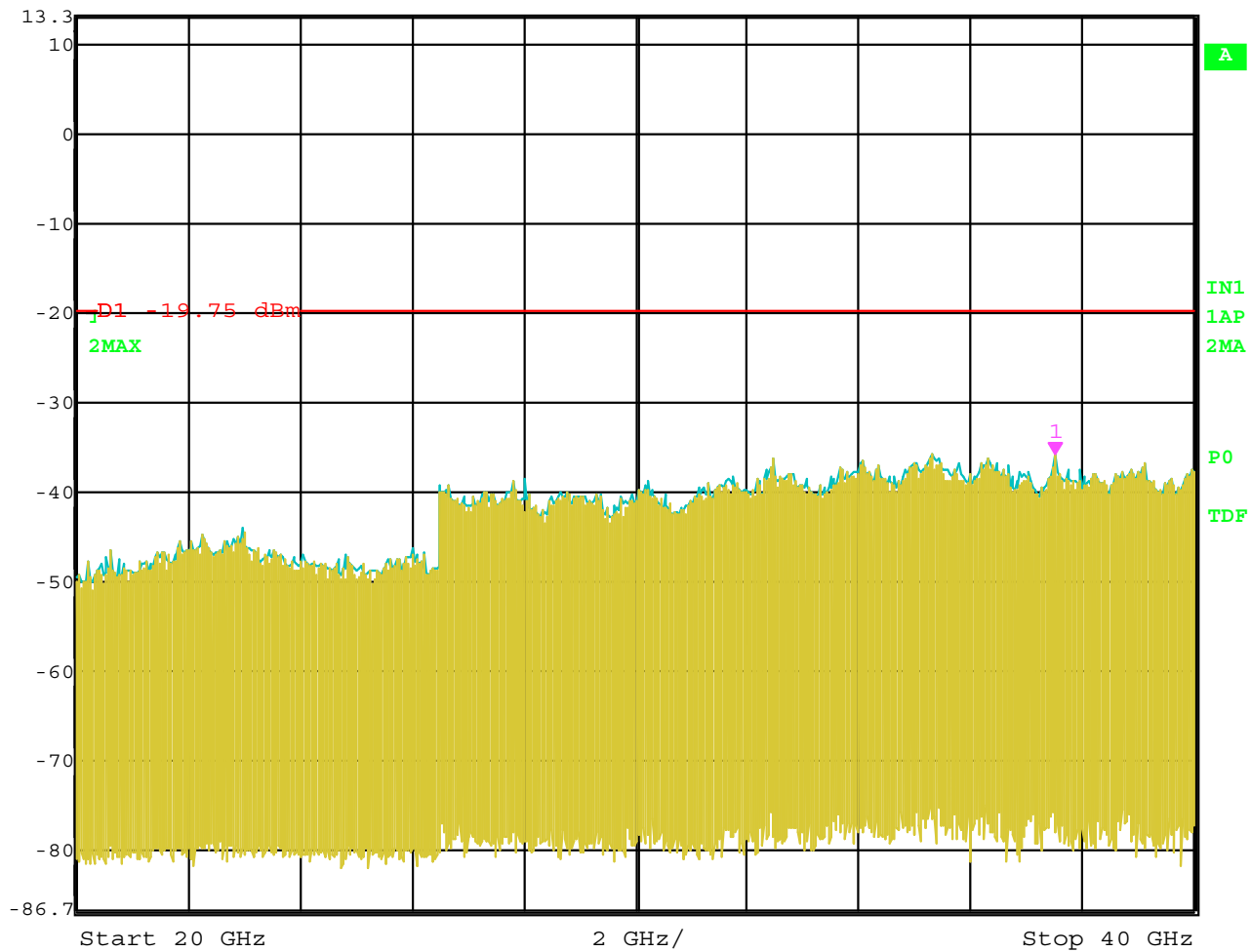


Date: 8.JUL.2004 09:10:02

RF Antenna Conducted Test – Channel 165 – 802.11 a Mode – 6 GHz to 20 GHz

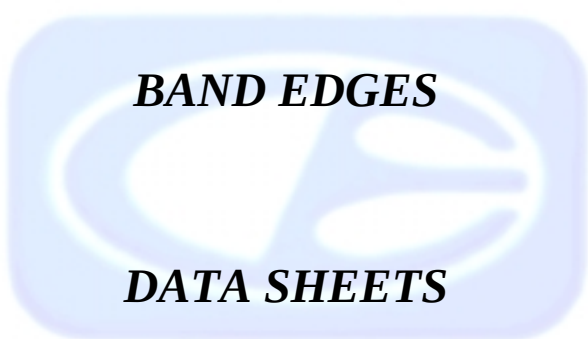


Ref Lvl 13.3 dBm
Marker 1 [T2] -35.84 dBm
37.51503006 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 5 s
Unit dBm



Date: 8.JUL.2004 09:10:42

RF Antenna Conducted Test – Channel 165 – 802.11 a Mode – 20 GHz to 40 GHz



BAND EDGES

DATA SHEETS

FCC 15.247

Intel Corporation

Date: 07/07/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Channel 6 - 802.11 b Mode**Transmit Mode**

Gain : 17.5 Peak Power: 19.00 dBm Avg. Power: 16.98 dBm

Channel 11 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	100.05	V	--	--	Peak	1.5	45	Fundamental of Channel 1
2412	96.53	V	--	--	Avg	1.5	45	@ 3 meters
2390	46.04	V	74	-27.96	Peak	1.5	45	No Marker Delta Method
2390	34.09	V	54	-19.91	Avg	1.5	45	Method Used
2387.7	48.2	V	74	-25.8	Peak	1.5	45	No Marker Delta Method
2387.7	38.61	V	54	-15.39	Avg	1.5	45	Method Used
2437	100.87	V	--	--	Peak	1.5	45	Fundamental of Channel 6
2437	97.43	V	--	--	Avg	1.5	45	@ 3 meters
2462	102.22	V	--	--	Peak	3	90	Fundamental of Channel 11
2462	98.67	V	--	--	Avg	3	90	@ 3 meters
2485.4	49.8	V	74	-24.2	Peak	3	90	No Marker Delta Method
2485.4	39.37	V	54	-14.63	Avg	3	90	Method Used
2488.8	51.01	V	74	-22.99	Peak	3	90	No Marker Delta Method
2488.8	44.09	V	54	-9.91	Avg	3	90	Method Used

FCC 15.247

Intel Corporation

Date: 07/07/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2915ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 1 - 802.11 b Mode**Transmit Mode**

Gain : 18.0 Peak Power: 19.01 dBm Avg. Power: 16.88 dBm

Channel 6 - 802.11 b Mode**Transmit Mode**

Gain : 17.5 Peak Power: 19.00 dBm Avg. Power: 16.98 dBm

Channel 11 - 802.11 b Mode**Transmit Mode**

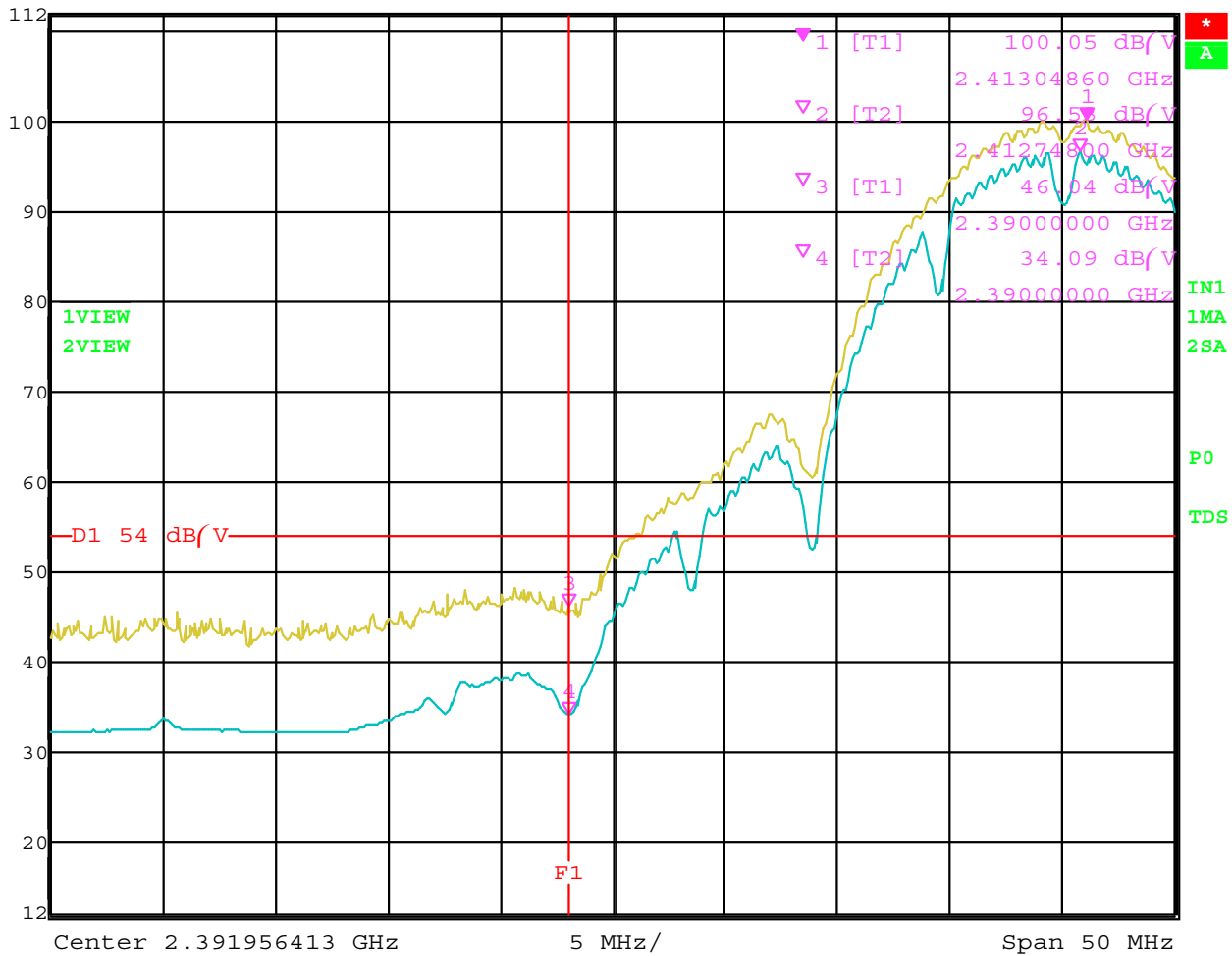
Gain : 18.0 Peak Power: 19.21 dBm Avg. Power: 17.28 dBm

Transmit Mode

Freq. (MHz)		Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	107.28	H	--	--	Peak	3.25	0	Fundamental of Channel 1
2412	103.77	H	--	--	Avg	3.25	0	@ 3 meters
2390	49.54	H	74	-24.46	Peak	3.25	0	No Marker Delta Method
2390	39.98	H	54	-14.02	Avg	3.25	0	Method Used
2387.7	52.96	H	74	-21.04	Peak	3.25	0	No Marker Delta Method
2387.7	44.41	H	54	-9.59	Avg	3.25	0	Method Used
2437	109.01	H	--	--	Peak	3.25	0	Fundamental of Channel 6
2437	105.61	H	--	--	Avg	3.25	0	@ 3 meters
2462	109.49	H	--	--	Peak	3.25	0	Fundamental of Channel 11
2462	105.93	H	--	--	Avg	3.25	0	@ 3 meters
2485.3	56.13	H	74	-17.87	Peak	3.25	0	No Marker Delta Method
2485.3	46.74	H	54	-7.26	Peak	3.25	0	Method Used
2488.8	57.46	H	74	-16.54	Peak	3.25	0	No Marker Delta Method
2488.8	51.42	H	54	-2.58	Peak	3.25	0	Method Used



Ref Lvl 112 dB/V
Marker 1 [T1] 100.05 dB/V
2.41304860 GHz
RBW 1 MHz
VBW 10 Hz
SWT 12.5 s
RF Att 20 dB
Unit dB/V

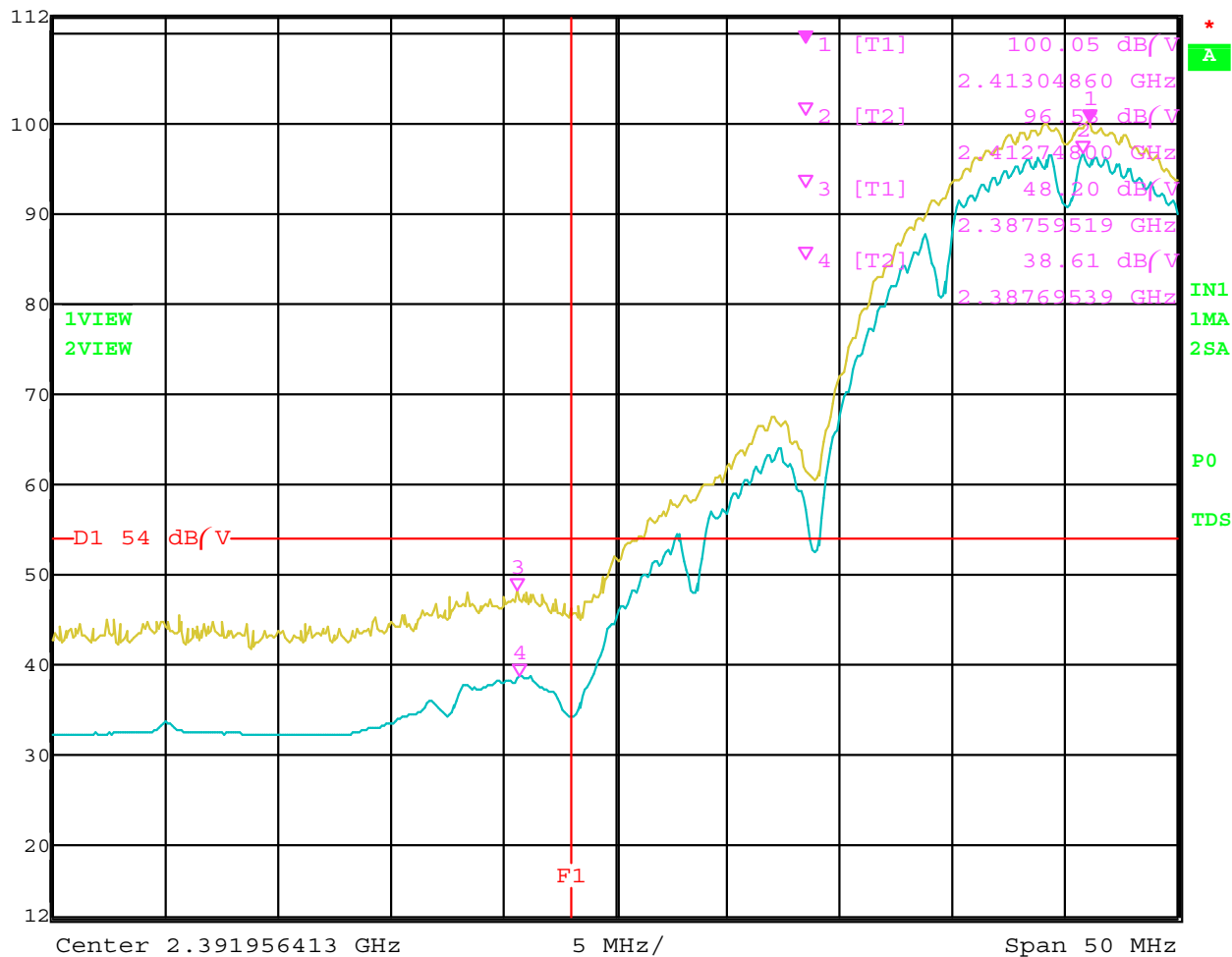


Date: 7.JUL.2004 17:49:27

Band Edge – Channel 1 – Vertical Polarization – 802.11 b Mode Plot 1



Ref Lvl 112 dB/V
Marker 1 [T1] 100.05 dB/V
2.41304860 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

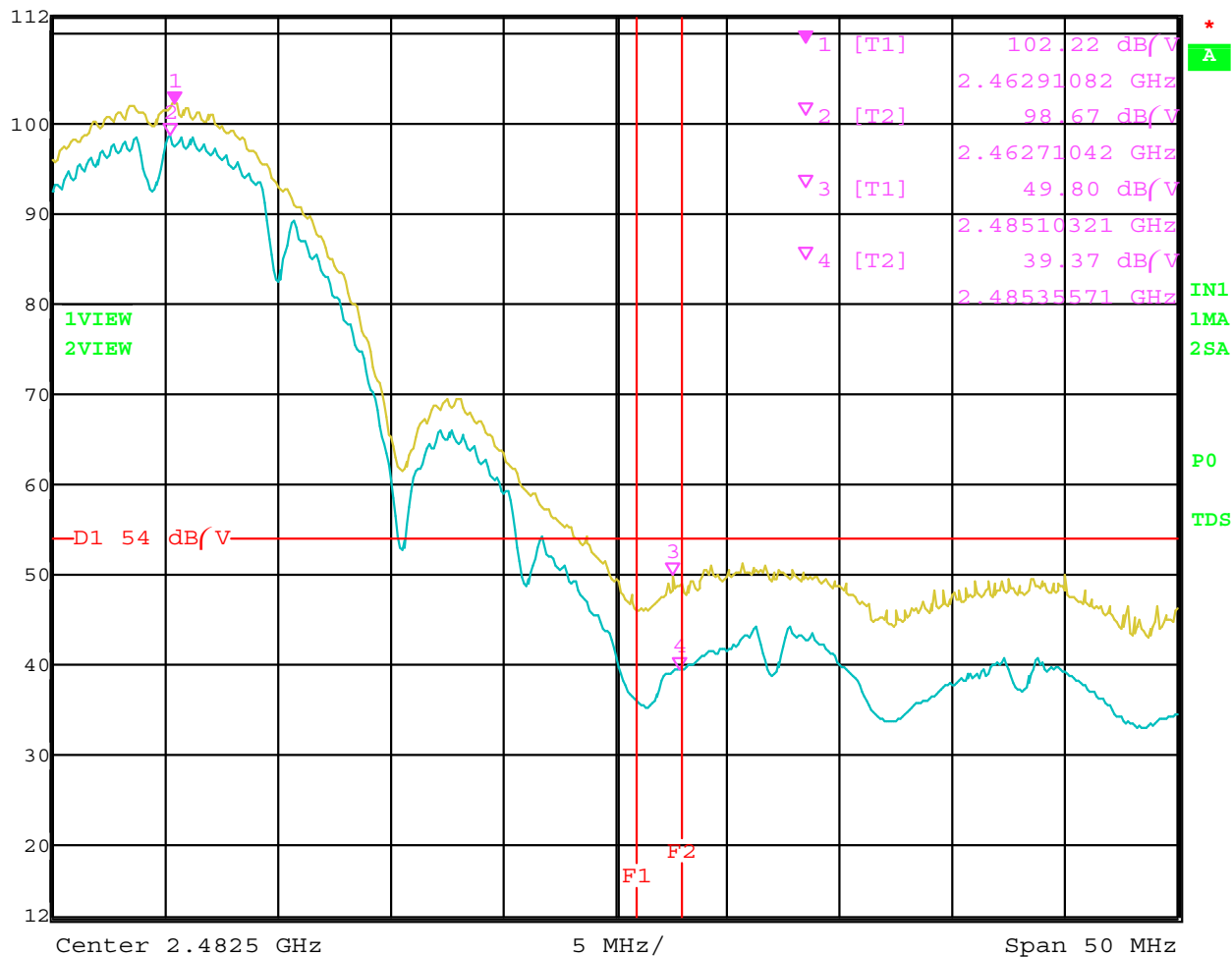


Date: 7.JUL.2004 17:50:33

Band Edge – Channel 1 – Vertical Polarization – 802.11 b Mode Plot 2



Ref Lvl 112 dB/V
Marker 1 [T1] 102.22 dB/V
2.46291082 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

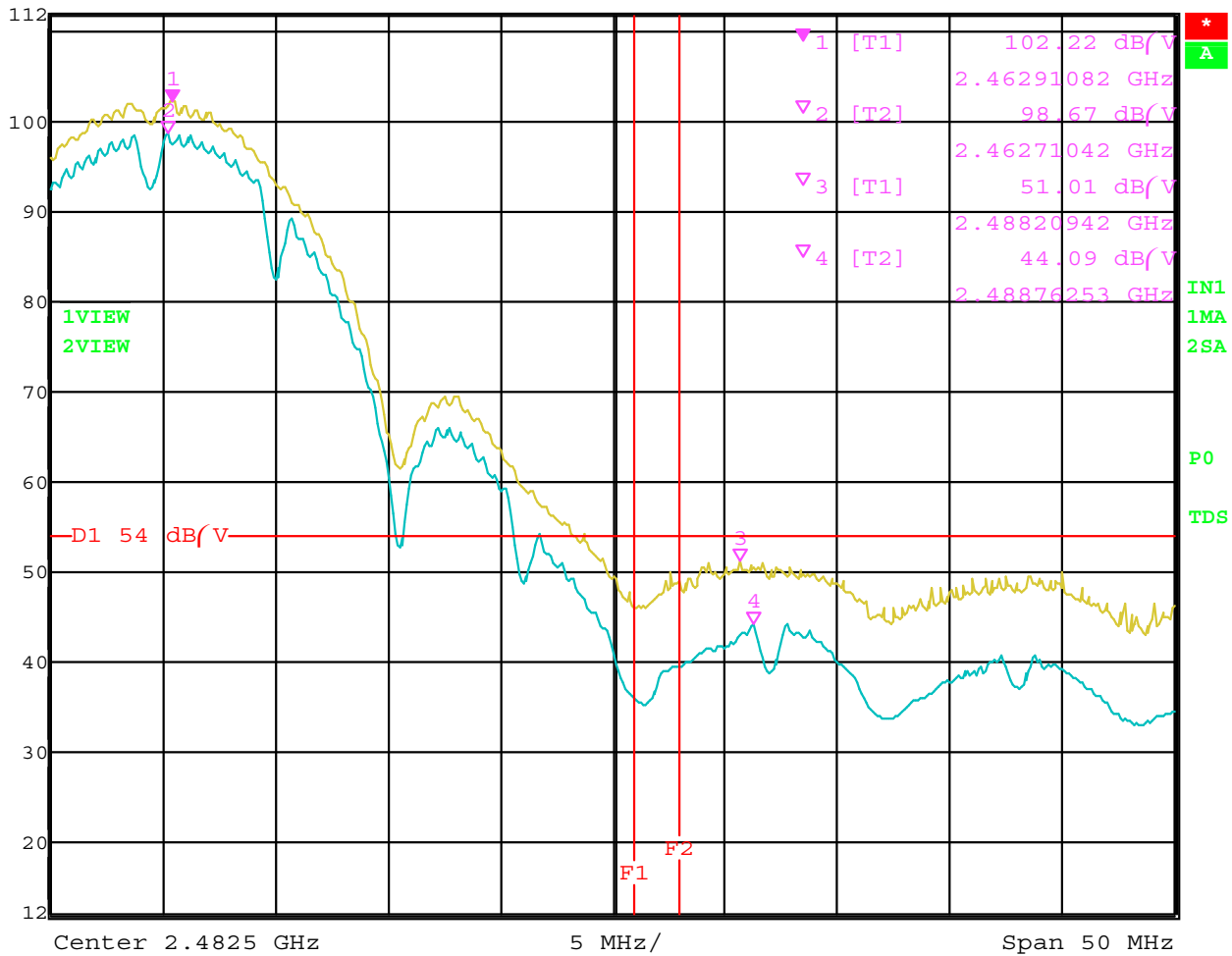


Date: 7.JUL.2004 19:36:56

Band Edge – Channel 11 – Vertical Polarization – 802.11 b Mode Plot 1



Ref Lvl 112 dB/V
Marker 1 [T1] 102.22 dB/V
2.46291082 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

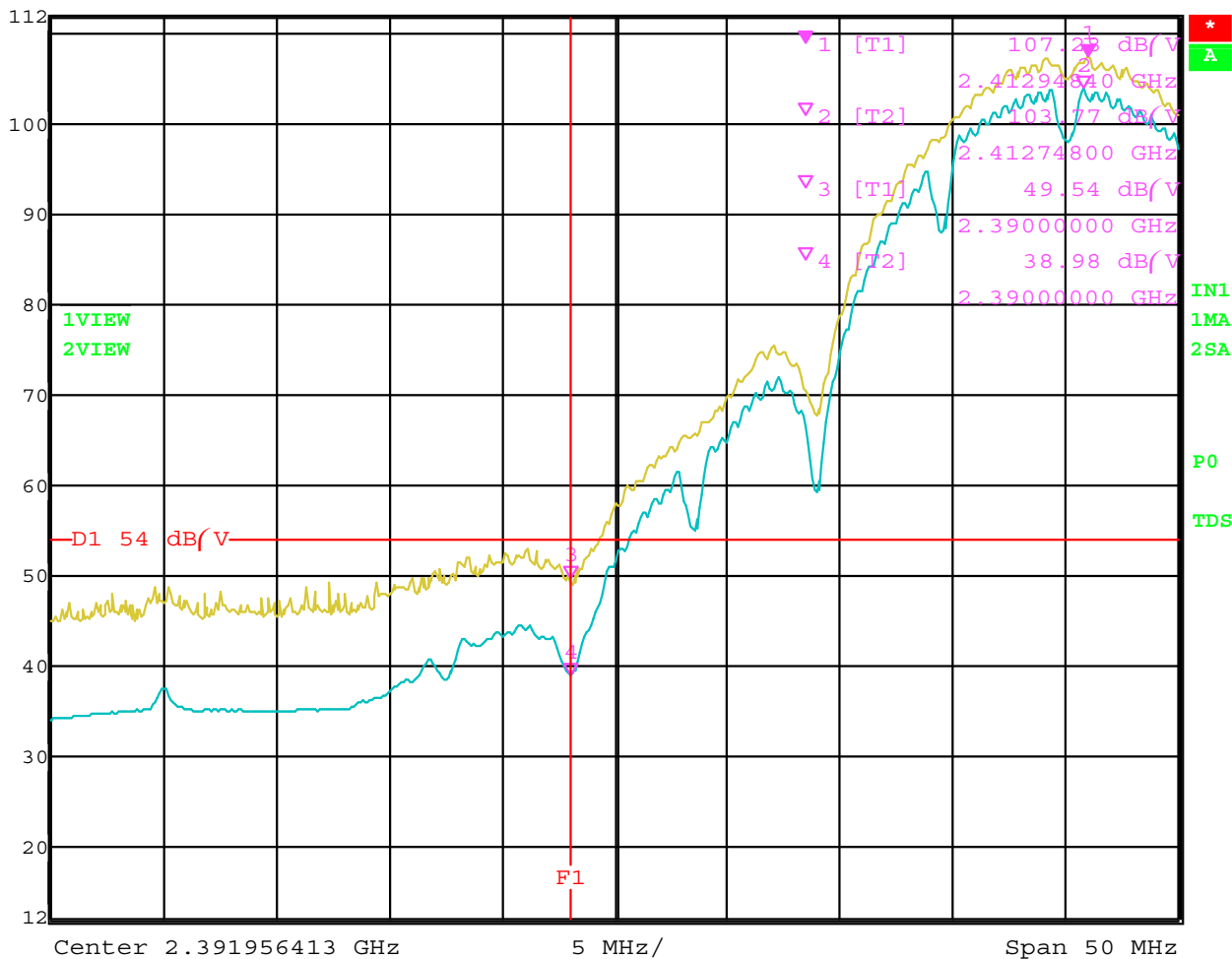


Date: 7.JUL.2004 19:43:50

Band Edge – Channel 11 – Vertical Polarization – 802.11 b Mode Plot 2



Ref Lvl 112 dB/V
Marker 1 [T1] 107.28 dB/V
2.41294840 GHz
RBW 1 MHz
VBW 10 Hz
SWT 12.5 s
RF Att 20 dB
Unit dB/V

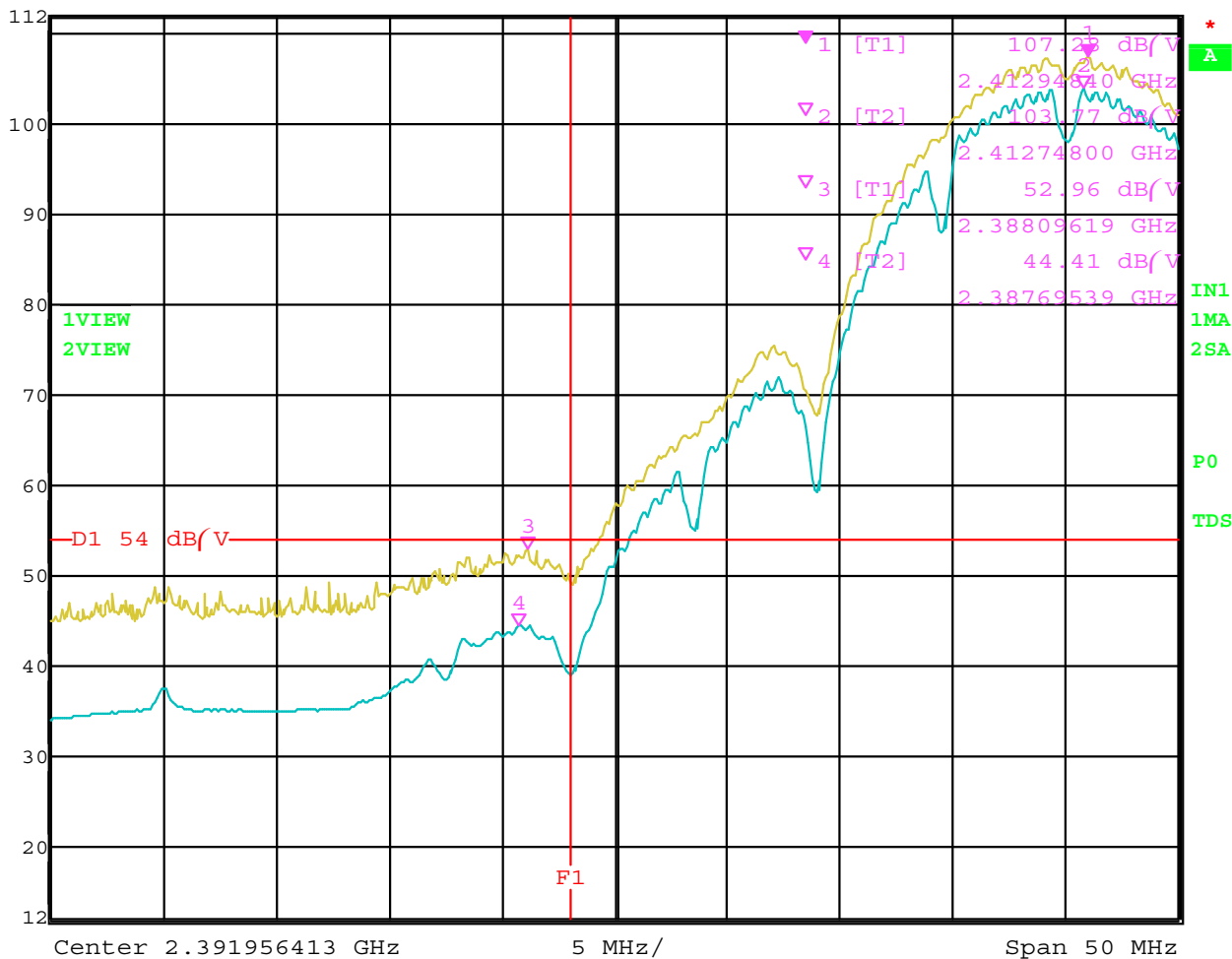


Date: 7.JUL.2004 17:59:42

Band Edge – Channel 1 – Horizontal Polarization – 802.11 b Mode Plot 1



Ref Lvl 112 dB/V
Marker 1 [T1] 107.28 dB/V
2.41294840 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

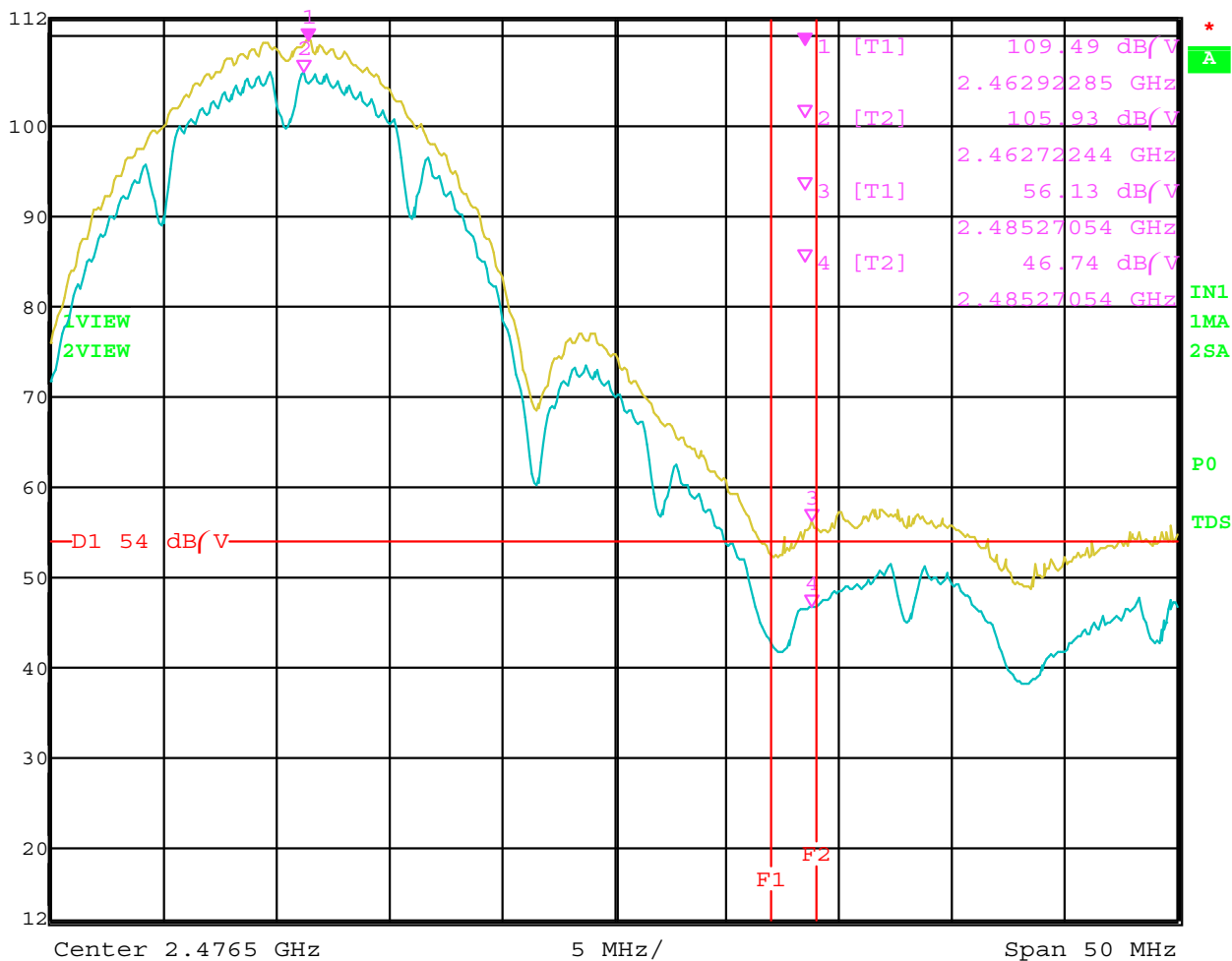


Date: 7.JUL.2004 18:00:42

Band Edge – Channel 1 – Horizontal Polarization – 802.11 b Mode Plot 2



Ref Lvl 112 dB/V
Marker 1 [T1] 109.49 dB/V
2.46292285 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

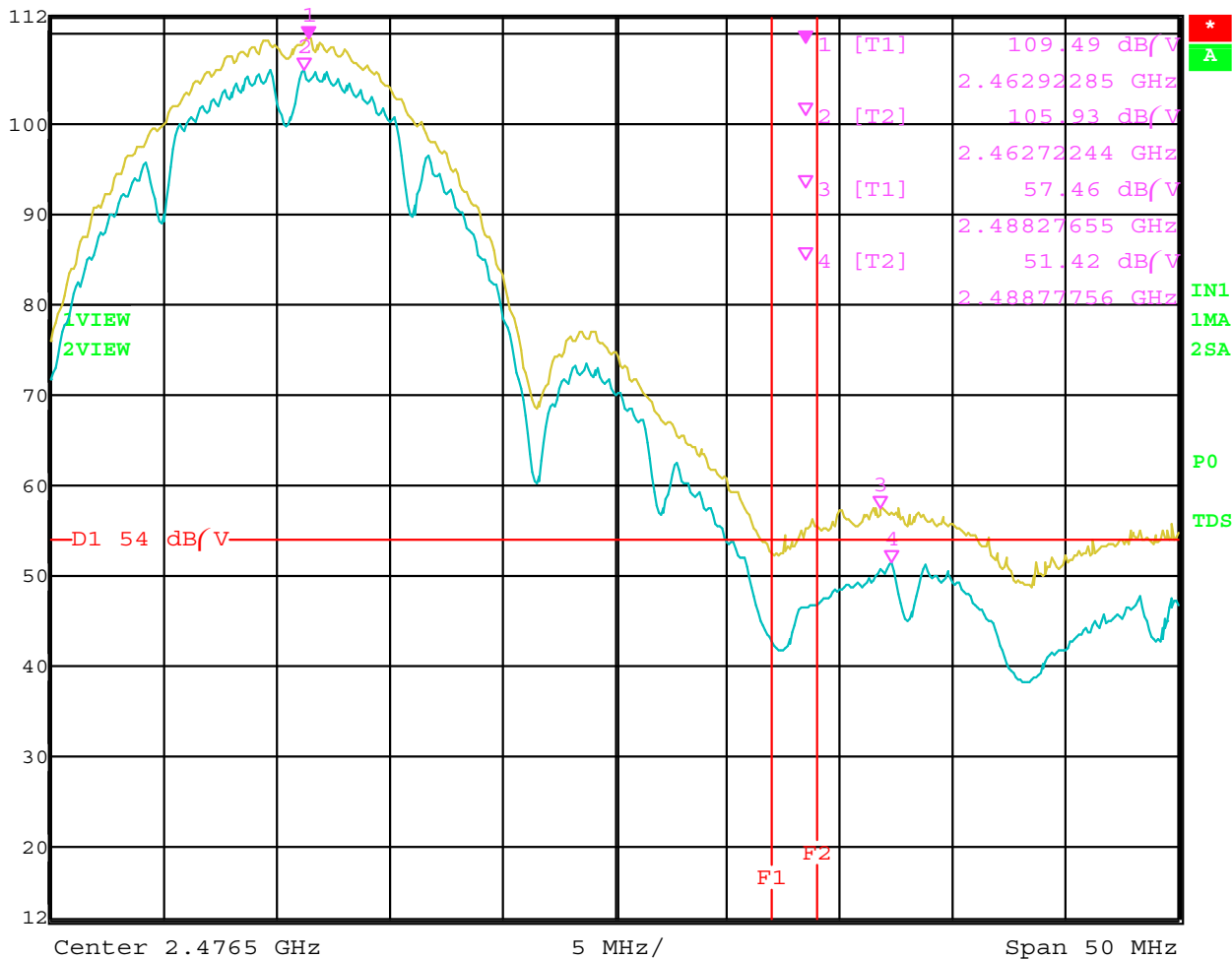


Date: 7.JUL.2004 19:49:21

Band Edge – Channel 11 – Horizontal Polarization – 802.11 b Mode Plot 1



Ref Lvl 112 dB/V
Marker 1 [T1] 109.49 dB/V
2.46292285 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V



Date: 7.JUL.2004 19:50:38

Band Edge – Channel 11 – Horizontal Polarization – 802.11 b Mode Plot 2

FCC 15.247

Intel Corporation

Date: 07/07/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2195ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 149 - 802.11 a Mode**Transmit Mode**

Gain : 18.5 Peak Power: 20.25 dBm Avg. Power: 17.01 dBm

Channel 157 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.37 dBm Avg. Power: 17.28 dBm

Channel 165 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.42 dBm Avg. Power: 17.24 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5745	104.57	V	--	--	Peak	2	315	Fundamental of Channel 149
5745	94	V	--	--	Avg	2	315	@ 3 meters
5785	103.98	V	--	--	Peak	2	315	Fundamental of Channel 157
5785	93.62	V	--	--	Avg	2	315	@ 3 meters
5825	102.21	V	--	--	Peak	2	0	Fundamental of Channel 165
5825	92.18	V	--	--	Avg	2	0	@ 3 meters

FCC 15.247

Intel Corporation

Date: 07/07/04

Intel Mini PCI Type 802.11ABG Wireless LAN Adapter

Lab: B

Model: WM3B2195ABG

Tested By: Benigno Chavez

Configuration: Hewlett Packard Series PP3006 Tablet Computer

Channel 149 - 802.11 a Mode**Transmit Mode**

Gain : 18.5 Peak Power: 20.25 dBm Avg. Power: 17.01 dBm

Channel 157 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.37 dBm Avg. Power: 17.28 dBm

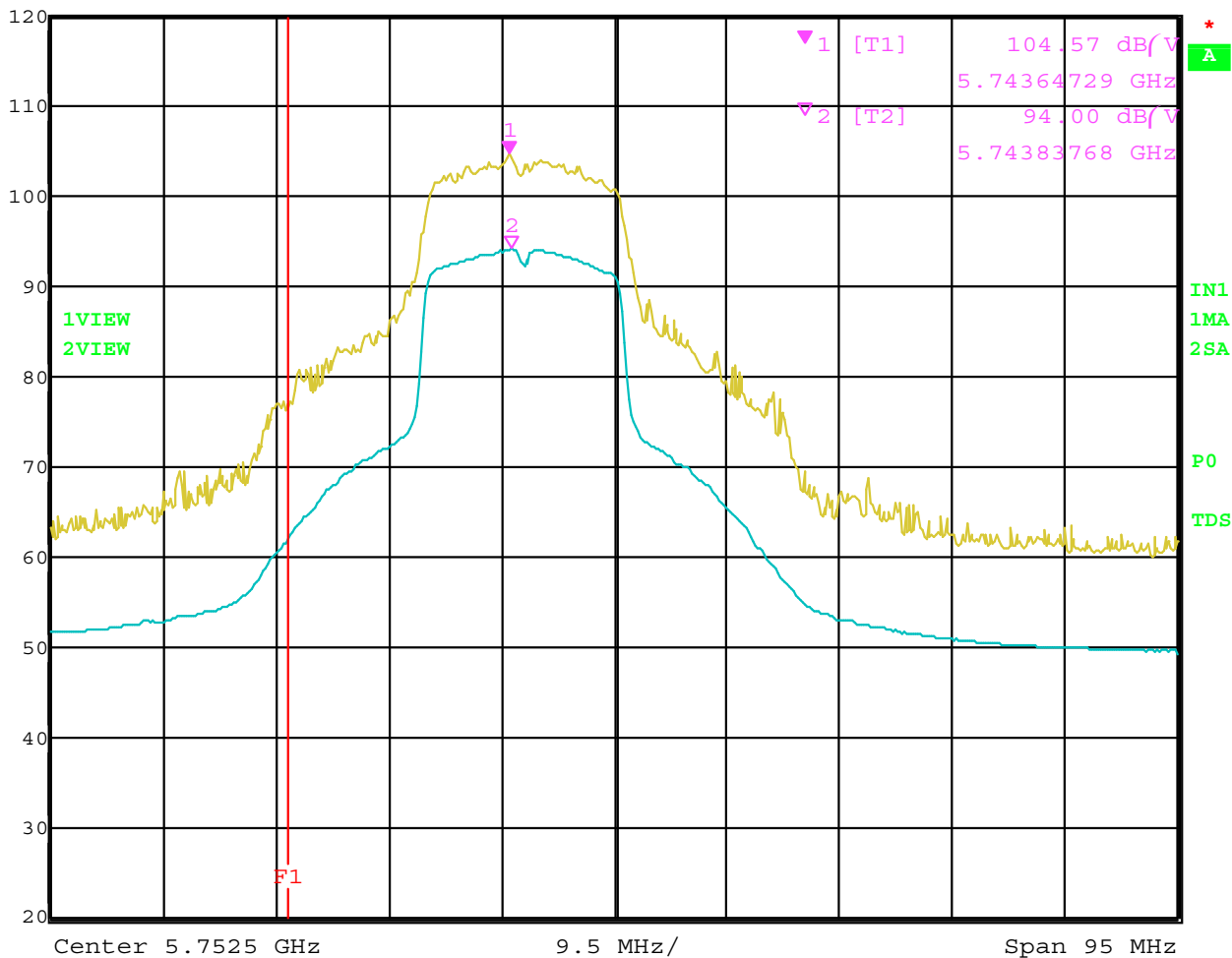
Channel 165 - 802.11 a Mode**Transmit Mode**

Gain : 19.0 Peak Power: 20.42 dBm Avg. Power: 17.24 dBm

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5745	112.36	H	--	--	Peak	2.5	0	Fundamental of Channel 149
5745	101.59	H	--	--	Avg	2.5	0	@ 3 meters
5785	112.59	H	--	--	Peak	2.5	0	Fundamental of Channel 157
5785	102.07	H	--	--	Avg	2.5	0	@ 3 meters
5825	113.72	H	--	--	Peak	2.5	0	Fundamental of Channel 165
5825	103.33	H	--	--	Avg	2.5	0	@ 3 meters



Ref Lvl 120 dB/V
Marker 1 [T1] 104.57 dB/V
5.74364729 GHz
RBW 1 MHz
VBW 10 Hz
SWT 24 s
RF Att 30 dB
Unit dB/V

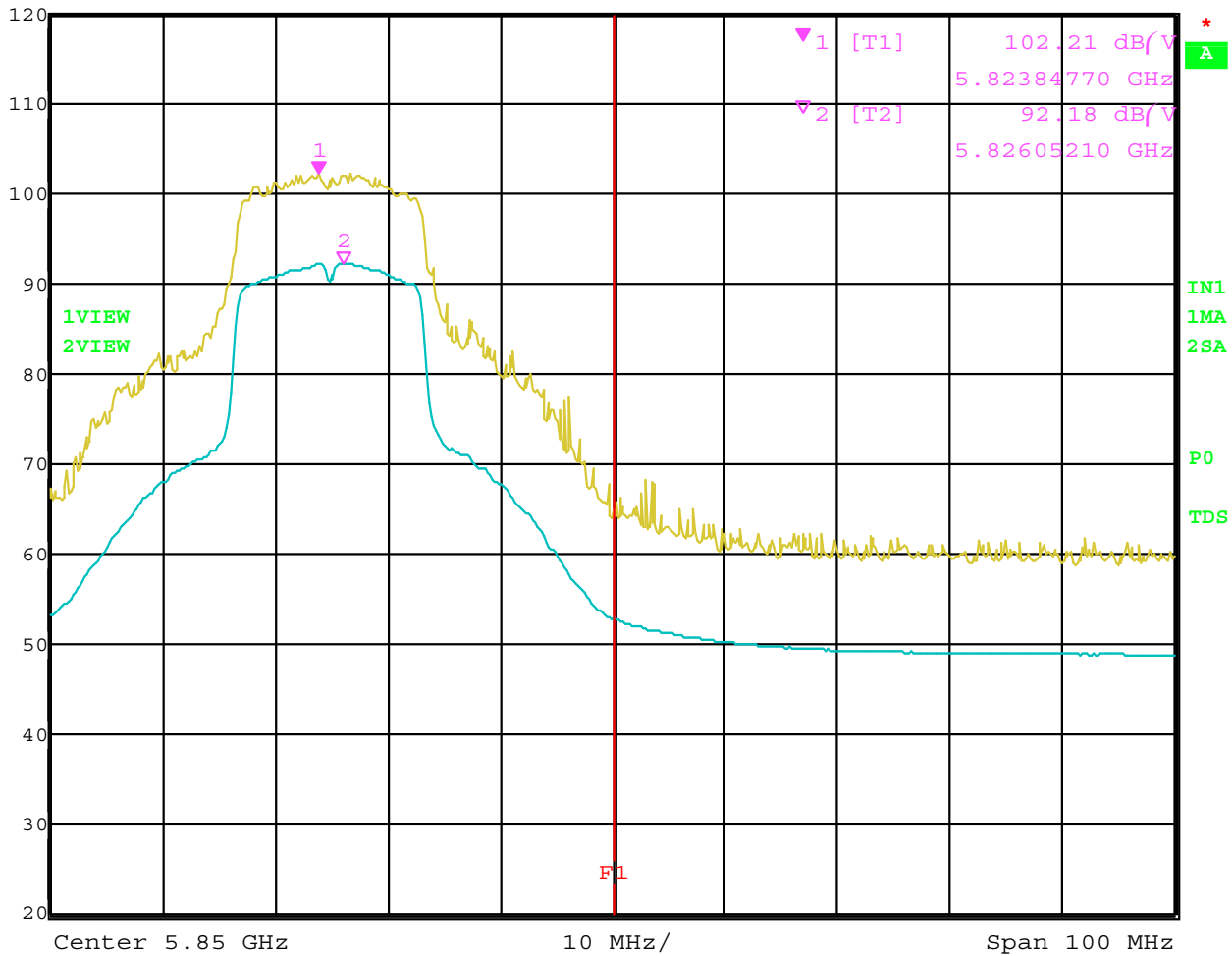


Date: 7.JUL.2004 21:26:57

Band Edge – Channel 1 – Vertical Polarization – 802.11 a Mode



Ref Lvl 120 dB/V
Marker 1 [T1] 102.21 dB/V
5.82384770 GHz
RBW 1 MHz
VBW 10 Hz
SWT 25 s
RF Att 30 dB
Unit dB/V

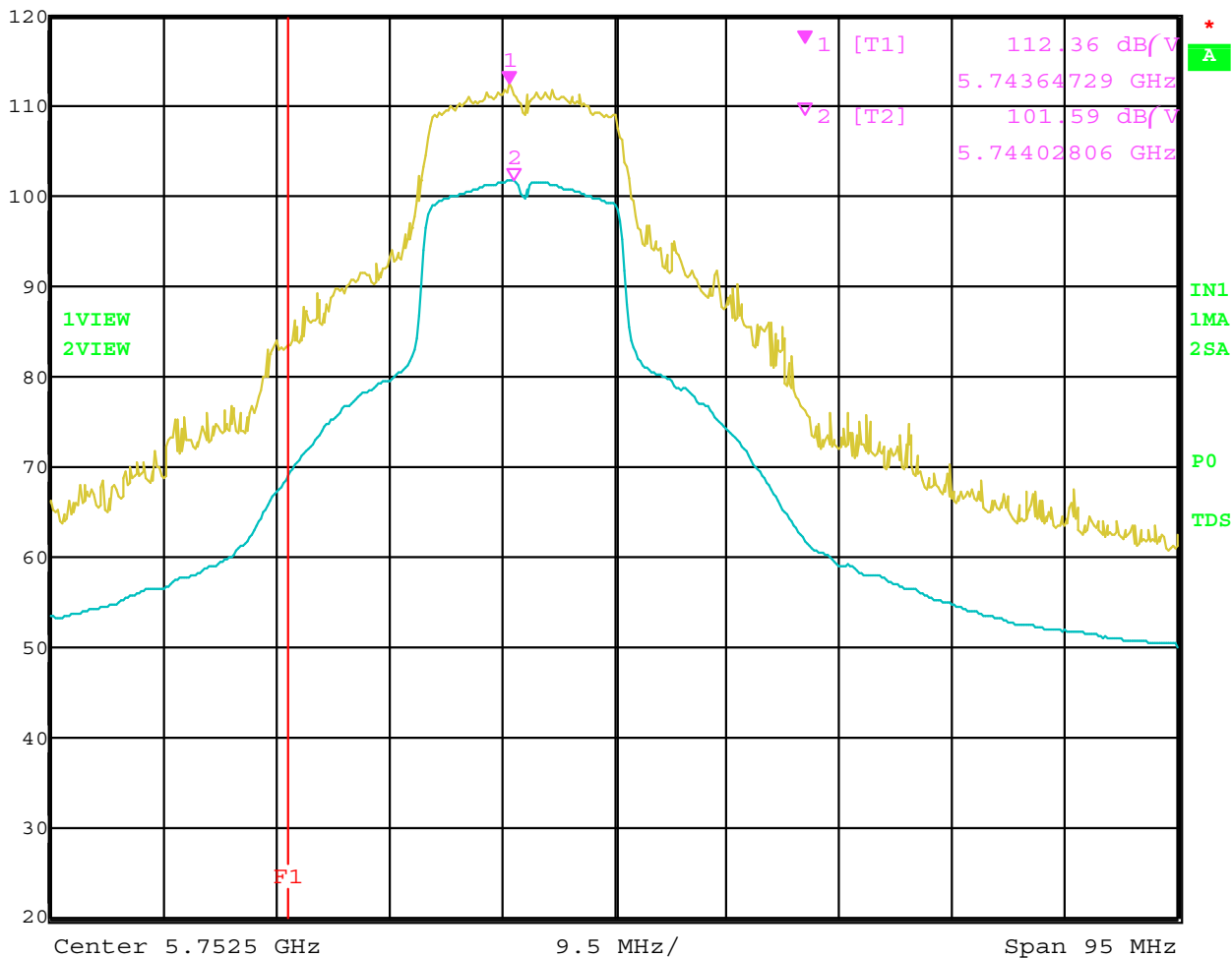


Date: 7.JUL.2004 21:18:43

Band Edge – Channel 11 – Vertical Polarization – 802.11 a Mode



Ref Lvl 120 dB/V
Marker 1 [T1] 112.36 dB/V
5.74364729 GHz
RBW 1 MHz
RF Att 30 dB
VBW 10 Hz
SWT 24 s
Unit dB/V

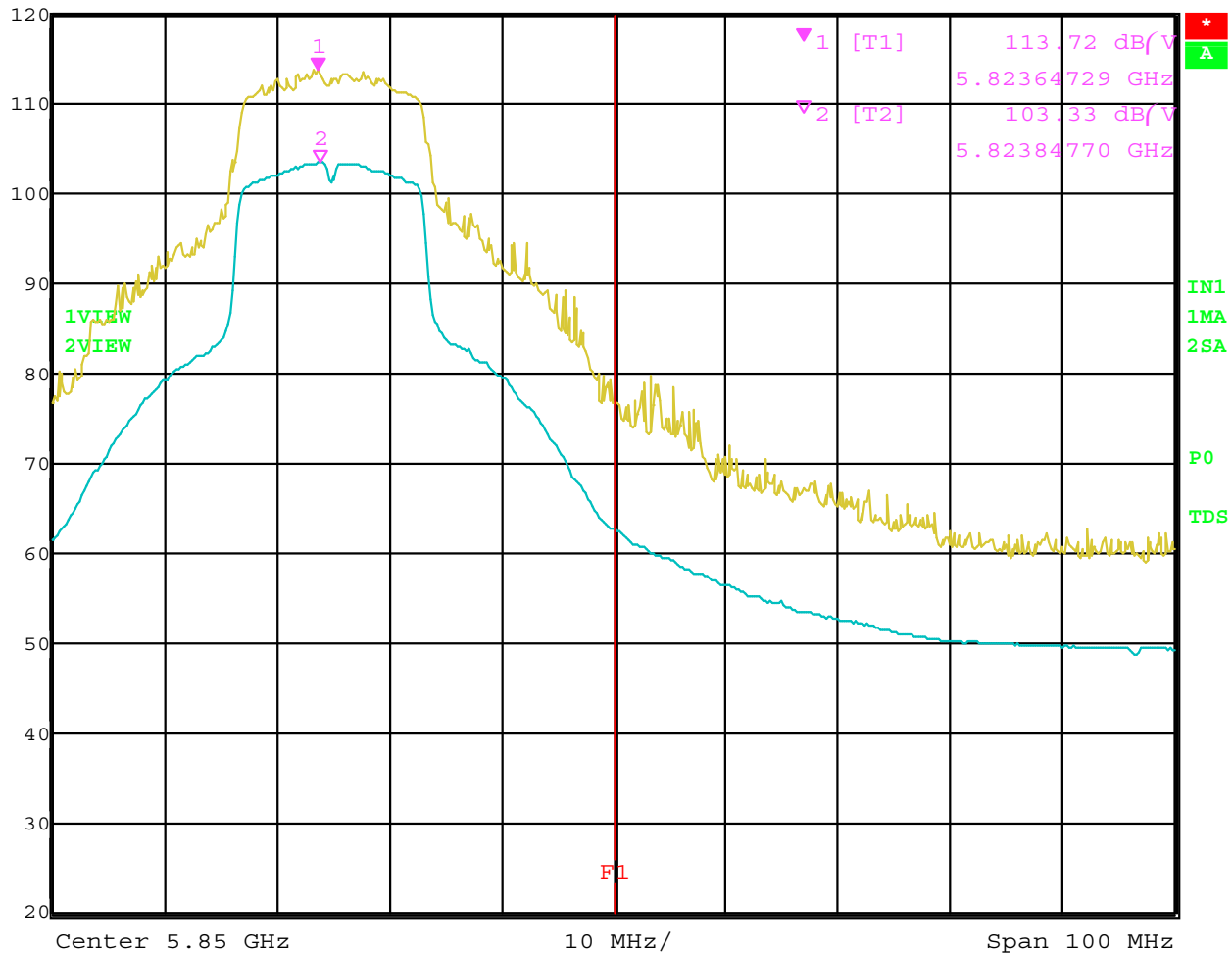


Date: 7.JUL.2004 21:28:51

Band Edge – Channel 1 – Horizontal Polarization – 802.11 a Mode

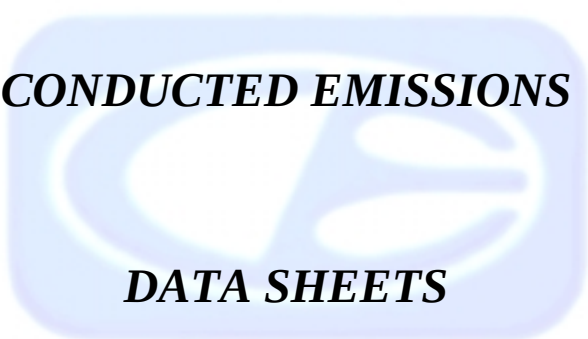


Ref Lvl 120 dB/V
Marker 1 [T1] 113.72 dB/V
5.82364729 GHz
RBW 1 MHz
VBW 10 Hz
SWT 25 s
RF Att 30 dB
Unit dB/V



Date: 7.JUL.2004 21:20:37

Band Edge – Channel 11 – Horizontal Polarization – 802.11 a Mode

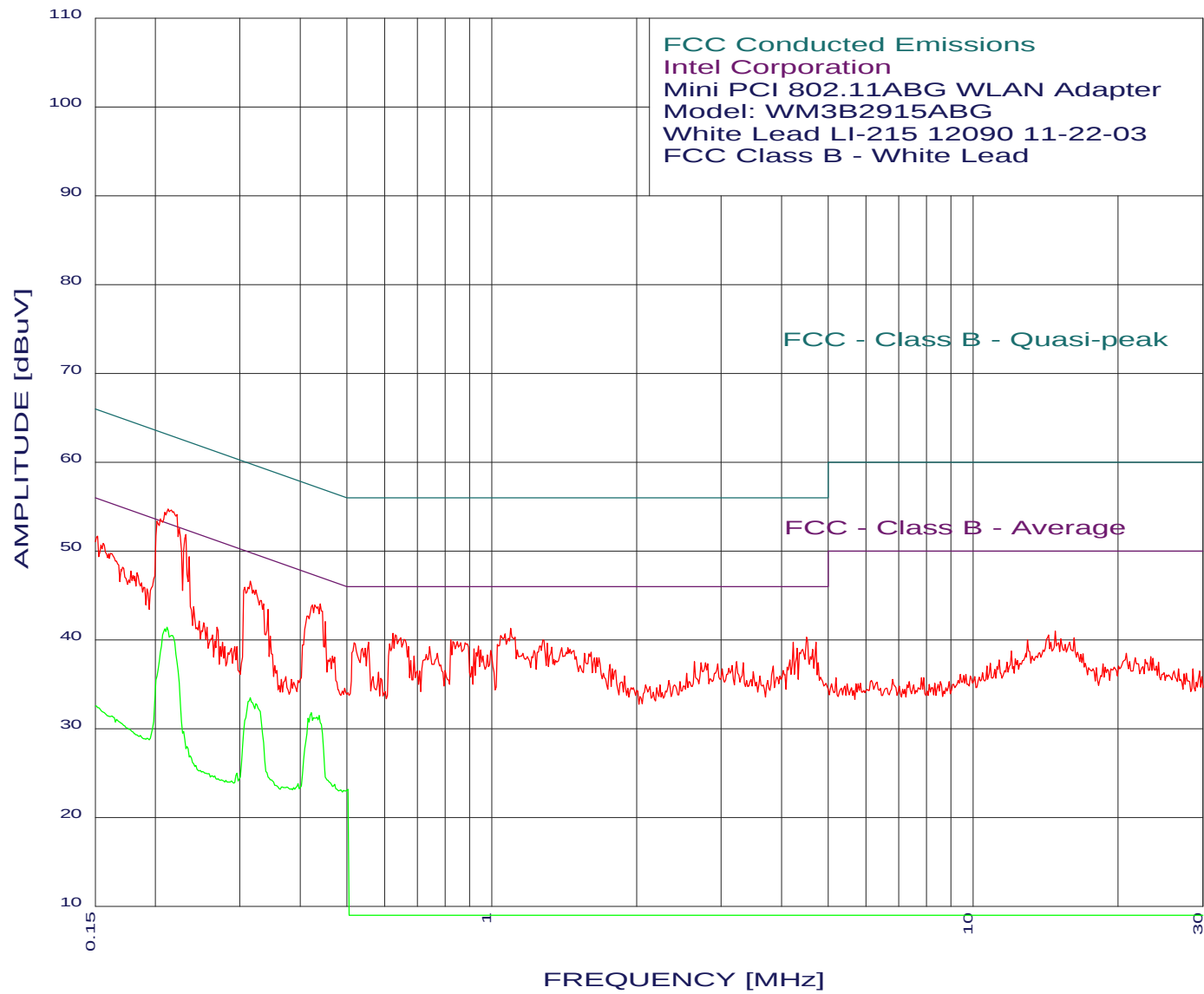


CONDUCTED EMISSIONS

DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/09/2004 11:59:54



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7/09/2004 11:59:54

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

44 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.216	54.62	52.96	1.66*
2	0.213	54.72	53.09	1.63*
3	0.222	54.12	52.74	1.38*
4	0.210	54.32	53.23	1.10*
5	0.205	53.62	53.40	0.23*
6	0.224	52.52	52.65	-0.13*
7	0.202	53.33	53.53	-0.21*
8	0.232	51.82	52.39	-0.57*
9	0.235	49.32	52.25	-2.94*
10	0.440	44.03	47.06	-3.03*
11	0.315	46.62	49.84	-3.21*
12	0.428	43.93	47.28	-3.36*
13	0.435	43.73	47.15	-3.42*
14	0.424	43.93	47.37	-3.45*
15	0.324	45.62	49.62	-4.00*
16	0.312	45.92	49.92	-4.00*
17	0.320	45.62	49.71	-4.09*
18	0.307	45.92	50.05	-4.13*
19	0.152	51.65	55.91	-4.26*
20	1.094	41.27	46.00	-4.73
21	0.452	42.03	46.85	-4.82*
22	0.156	50.84	55.69	-4.84*
23	0.415	42.63	47.55	-4.92*
24	0.332	44.42	49.39	-4.97*
25	0.154	50.65	55.78	-5.13*
26	0.624	40.74	46.00	-5.26
27	0.336	44.02	49.31	-5.28*
28	1.066	40.67	46.00	-5.33
29	0.631	40.54	46.00	-5.46
30	1.043	40.47	46.00	-5.53
31	0.162	49.74	55.38	-5.65*
32	4.504	40.30	46.00	-5.70
33	0.343	43.42	49.13	-5.71*
34	1.118	40.27	46.00	-5.73
35	0.648	40.24	46.00	-5.76
36	1.083	40.17	46.00	-5.83
37	0.160	49.64	55.47	-5.83
38	0.658	40.04	46.00	-5.96
39	1.276	39.98	46.00	-6.02
40	0.822	39.95	46.00	-6.05
41	0.849	39.76	46.00	-6.24
42	0.831	39.75	46.00	-6.25
43	0.555	39.74	46.00	-6.26
44	4.227	39.70	46.00	-6.30

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



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7/09/2004 11:59:54

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

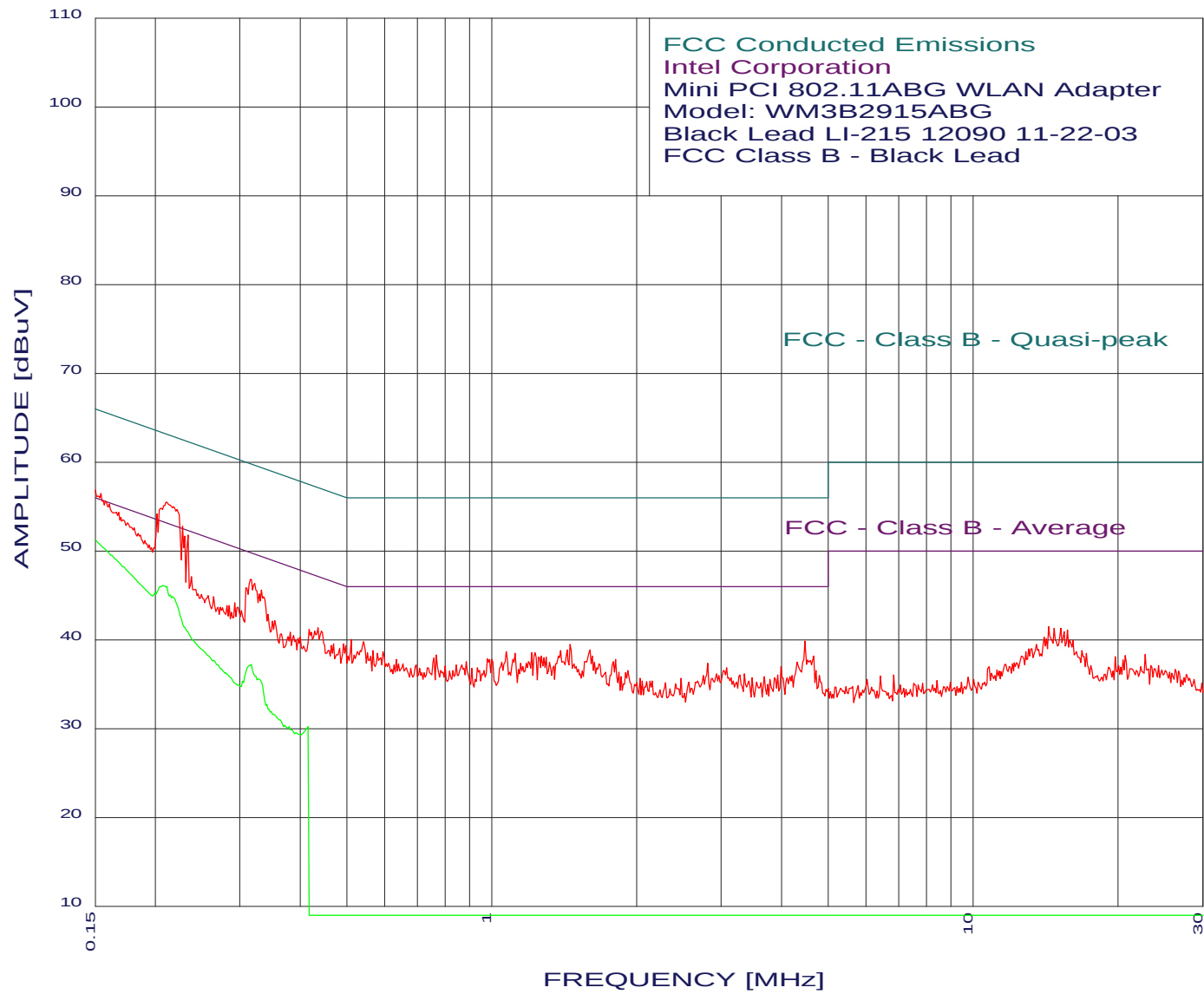
25 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.212	41.41	53.14	-11.73
2	0.210	41.22	53.23	-12.00
3	0.217	40.46	52.91	-12.45
4	0.438	31.46	47.11	-15.65
5	0.421	31.77	47.42	-15.65
6	0.433	31.31	47.19	-15.89
7	0.315	33.48	49.84	-16.35
8	0.415	31.19	47.55	-16.36
9	0.324	32.78	49.62	-16.84
10	0.471	23.69	46.49	-22.80
11	0.229	29.68	52.48	-22.80
12	0.502	23.17	46.00	-22.83
13	0.486	23.09	46.23	-23.14
14	0.162	31.44	55.34	-23.90
15	0.166	31.01	55.16	-24.15
16	0.396	23.76	47.95	-24.19
17	0.233	28.00	52.34	-24.35
18	0.387	23.32	48.12	-24.80
19	0.375	23.38	48.38	-25.00
20	0.186	29.19	54.19	-25.00
21	0.237	26.88	52.21	-25.33
22	0.296	24.94	50.36	-25.43
23	0.243	25.83	52.00	-26.17
24	0.288	24.09	50.58	-26.49
25	0.280	24.16	50.81	-26.65

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/09/2004 11:54:22



COMPATIBLE
ELECTRONICS



**COMPATIBLE
ELECTRONICS**

7/09/2004 11:54:22

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

44 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.211	55.47	53.18	2.29*
2	0.202	54.17	53.53	0.64*
3	0.228	52.77	52.52	0.24*
4	0.234	51.77	52.30	-0.53*
5	0.230	51.67	52.43	-0.77*
6	0.315	46.76	49.84	-3.07*
7	0.332	45.56	49.39	-3.83*
8	0.238	47.07	52.17	-5.10*
9	0.435	41.36	47.15	-5.79
10	0.510	40.06	46.00	-5.94
11	4.480	39.84	46.00	-6.16
12	0.541	39.76	46.00	-6.24
13	0.293	44.17	50.45	-6.29*
14	0.417	41.16	47.50	-6.34
15	0.265	44.87	51.29	-6.42*
16	1.456	39.46	46.00	-6.54
17	0.492	39.56	46.14	-6.58
18	0.297	43.67	50.32	-6.66*
19	0.354	42.16	48.87	-6.70*
20	0.285	43.87	50.67	-6.81*
21	0.469	39.56	46.53	-6.97
22	1.434	38.86	46.00	-7.14
23	1.603	38.85	46.00	-7.15
24	0.484	39.06	46.27	-7.21
25	0.567	38.76	46.00	-7.24
26	1.389	38.76	46.00	-7.24
27	0.595	38.66	46.00	-7.34
28	1.072	38.66	46.00	-7.34
29	0.381	40.86	48.25	-7.39*
30	0.552	38.56	46.00	-7.44
31	1.210	38.56	46.00	-7.44
32	1.230	38.56	46.00	-7.44
33	0.580	38.46	46.00	-7.54
34	1.118	38.46	46.00	-7.54
35	0.400	40.26	47.86	-7.59*
36	0.387	40.46	48.12	-7.66*
37	0.767	38.26	46.00	-7.74
38	1.269	38.16	46.00	-7.84
39	0.365	40.66	48.61	-7.94*
40	1.249	38.06	46.00	-7.94
41	1.297	38.06	46.00	-7.94
42	0.759	37.96	46.00	-8.04
43	0.979	37.86	46.00	-8.14
44	0.634	37.76	46.00	-8.24

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

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7/09/2004 11:54:22

Intel Corporation
Mini PCI 802.11ABG WLAN Adapter
Model: WM3B2915ABG
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

11 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.207	46.12	53.31	-7.19
2	0.215	45.02	53.00	-7.99
3	0.200	45.26	53.62	-8.36
4	0.317	37.19	49.79	-12.60
5	0.327	35.62	49.53	-13.90
6	0.304	35.37	50.14	-14.78
7	0.341	32.69	49.18	-16.48
8	0.415	30.22	47.55	-17.32
9	0.379	30.19	48.29	-18.10
10	0.371	30.36	48.47	-18.11
11	0.391	29.54	48.03	-18.49
