

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 56 - UNII Mode

Transmit Mode with Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6/03/05
Lab: B
Tested By: Kyle Fujimoto

Channel 60 - UNII Mode

Transmit Mode with Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Tested By: Kyle Fujimoto

Transmit Mode with Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
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Channel 64 - UNII Mode

Transmit Mode with Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
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Channel 64 - UNII Mode

Transmit Mode with Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Fundamental 5300 MHz - UNII Mode
Transmit Mode - Turbo Mode - Small Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 56 - UNII Mode

Transmit Mode with Patch Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
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Tested By: Kyle Fujimoto

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6/03/05
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Channel 60 - UNII Mode

Transmit Mode with Patch Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 64 - UNII Mode

Transmit Mode with Patch Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 64 - UNII Mode

Transmit Mode with Patch Antenna

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Fundamental 5300 MHz - UNII Mode

Transmit Mode with Patch Antenna - Turbo Mode

[illegible]

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Tested By: Kyle Fujimoto

Transmit Mode with Patch Antenna - Turbo Mode

[illegible]

RSS-210

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Channel 60 - UNII Mode
Receive Mode with Small Antenna - Normal Mode - 30 MHz to 40 GHz - Vertical and Horizontal Polarizations

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found
								from the Receive Mode

RSS-210

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Channel 60 - UNII Mode
Receive Mode - Turbo Mode - Small Antenna - 30 MHz to 40 GHz - Vertical and Horizontal Polarizations

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found
								from the Receive Mode

RSS-210

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Channel 60 - UNII Mode
Receive Mode with Patch Antenna - Normal Mode - 30 MHz to 40 GHz - Vertical and Horizontal Polarizations

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found
								from the Receive Mode

RSS-210

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 6-03-05
Lab: B
Tested By: Kyle Fujimoto

Channel 60 - UNII Mode
Receive Mode with Patch Antenna - Turbo Mode - 30 MHz to 40 GHz - Vertical and Horizontal Polarizations

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found
								from the Receive Mode

FCC 15.247

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 3/29/05
Lab: B
Tested By: Kyle Fujimoto

Digital Portion -- 1 GHz to 40 GHz
Investigated in the 5.25 GHz - 5.35 GHz, 5725 MHz - 5850 MHz, Low, Middle, and High Channels
Normal and Turbo Mode, Small Antenna, Patch Antenna, and Dish Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found
								Above 1GHz for the Digital Portion



Test Location : Compatible Electronics **Page** : 1/1
Customer : Microtek Electronics **Date** : 3/31/2005
Manufacturer : Microtek Electronics **Time** : 18:16:56
Eut name : Minilink Wireless Ethernet System **Lab** : D
Model : Minilink 5.8WES **Test Distance** : 3.0 Meters
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Test Range: 10 kHz - 1 GHz
Vertical and Horizontal Polarizations
Verified in all Three Setups
Tested By: Benigno Chavez

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB

No emissions found from the transmitter portion of the EUT below 1 GHz

Test Location : Compatible Electronics **Page** : 1/1
Customer : Microtek Electronics **Date** : 3/30/2005
Manufacturer : Microtek Electronics **Time** : 20:00:26
Eut name : Minilink Wireless Ethernet System **Lab** : D
Model : Minilink 5.8WES **Test Distance** : 10.0 Meters
Serial # :
Specification : FCC Class A
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Test Range: 30 MHz - 1GHz
 Vertical and Horizontal Polarizations
 Verified in all Three Setups -- Digital Portion
 Tested By: Benigno Chavez

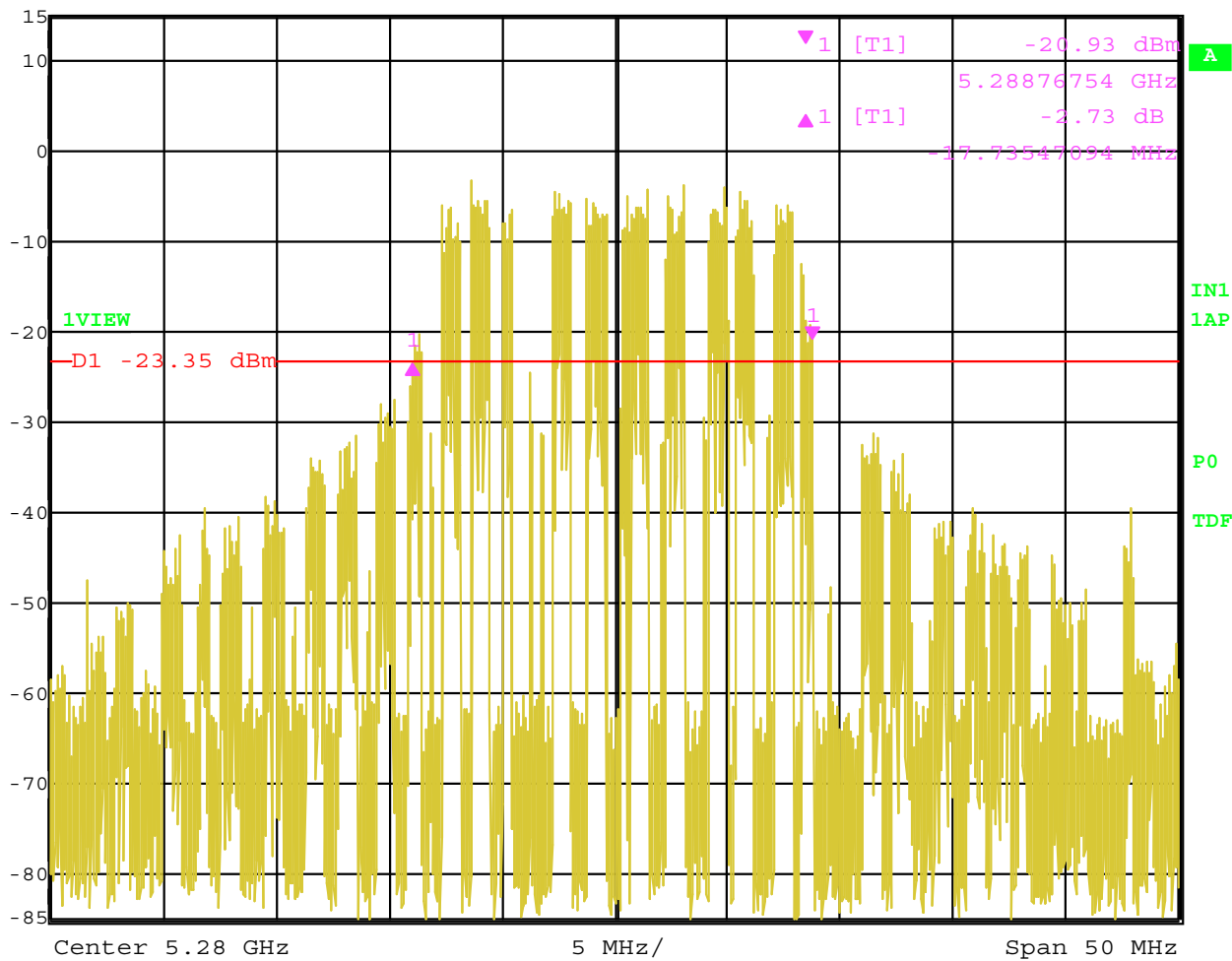
Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	54.222	49.90	0.84	11.51	38.29	23.96	39.10	-15.14
2V	54.240	60.20	0.84	11.50	38.29	34.26	39.10	-4.84
3V	115.013	64.60	1.23	10.52	38.14	38.20	43.50	-5.30
4H	117.426	59.90	1.24	10.78	38.20	33.72	43.50	-9.78
5H	118.024	60.50	1.25	10.85	38.22	34.38	43.50	-9.12
6H	118.598	63.20	1.25	10.91	38.24	37.13	43.50	-6.37
7V	125.055	70.90	1.30	10.65	38.40	44.44	43.50	0.94
8V	125.056Qp	68.54	1.30	10.65	38.40	42.08	43.50	-1.42
9V	126.330	64.60	1.30	10.77	38.41	38.26	43.50	-5.24
10V	127.247	68.50	1.30	10.86	38.42	42.24	43.50	-1.26
11V	127.249Qp	65.50	1.30	10.86	38.42	39.24	43.50	-4.26
12V	129.330	61.40	1.30	11.05	38.44	35.32	43.50	-8.18
13H	148.162	57.20	1.30	11.76	38.59	31.67	43.50	-11.83
14V	150.044	69.70	1.30	11.71	38.60	44.11	43.50	0.61
15V	150.044Qp	68.36	1.30	11.71	38.60	42.77	43.50	-0.73
16V	200.060	60.10	1.60	14.95	38.50	38.15	43.50	-5.35
17V	225.048	55.40	1.70	15.86	38.30	34.66	46.40	-11.74
18H	225.055	56.80	1.70	15.87	38.30	36.06	46.40	-10.34
19H	250.070	58.60	1.80	16.68	38.60	38.49	46.40	-7.91
20V	250.081	63.90	1.80	16.69	38.60	43.79	46.40	-2.61
21V	300.038	54.70	2.00	12.30	38.50	30.50	46.40	-15.90
22H	300.084	56.40	2.00	12.30	38.50	32.20	46.40	-14.20
23V	325.053	50.40	2.16	12.80	38.50	26.86	46.40	-19.54
24V	375.064	52.00	2.35	13.70	38.40	29.65	46.40	-16.75
25H	375.066	53.80	2.35	13.70	38.40	31.45	46.40	-14.95
26V	425.046	53.00	2.50	14.40	38.15	31.76	46.40	-14.64
27H	450.055	52.40	2.60	14.68	38.00	31.68	46.40	-14.72

-20 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	-2.73 dB	VBW	1 MHz		
	-17.73547094 MHz	SWT	5 ms	Unit	dBm

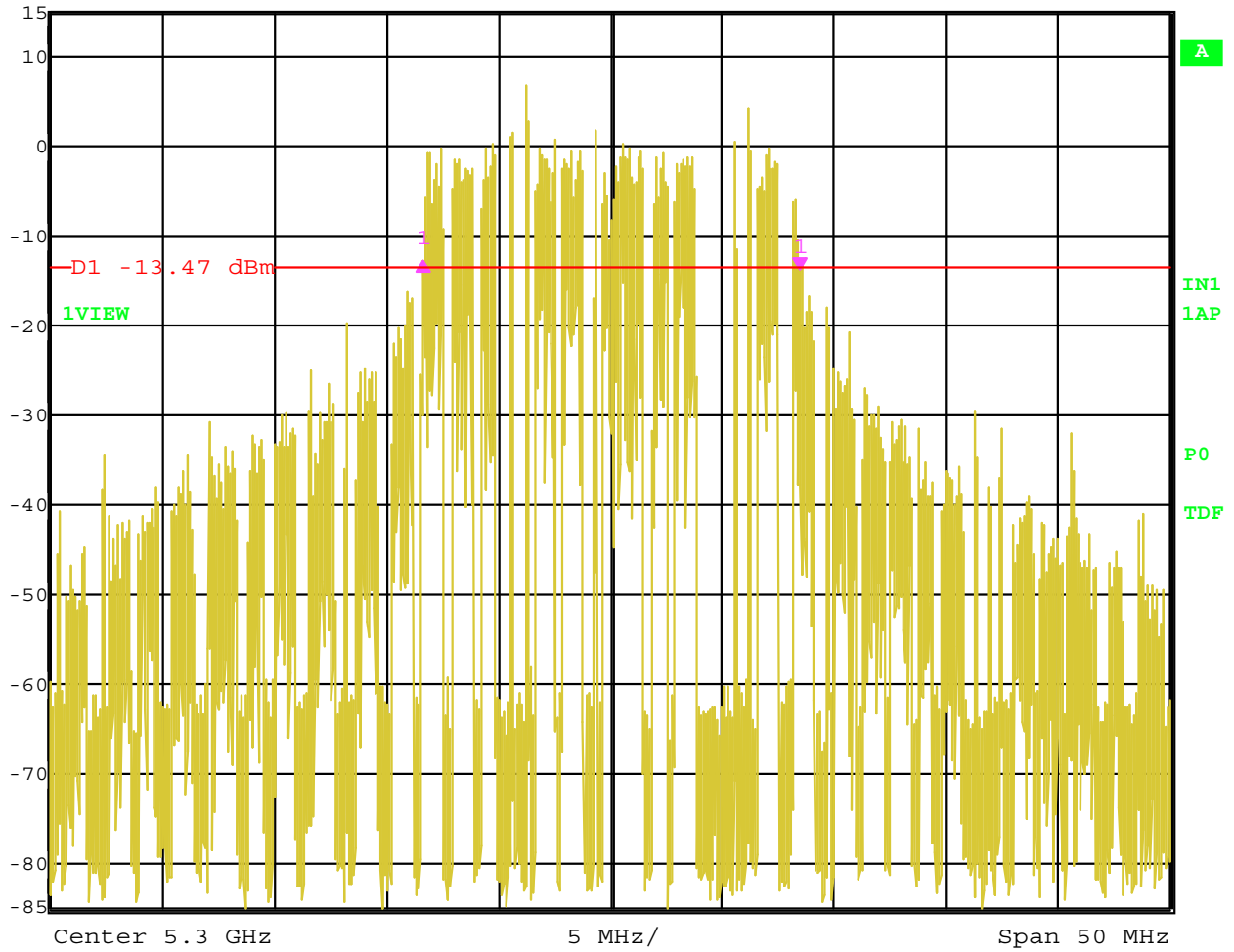


Date: 31.MAR.2005 11:50:15

Bandwidth 20 dB – Channel 56 – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	1.17 dB	VBW	1 MHz		
	-16.83366733 MHz	SWT	5 ms	Unit	dBm

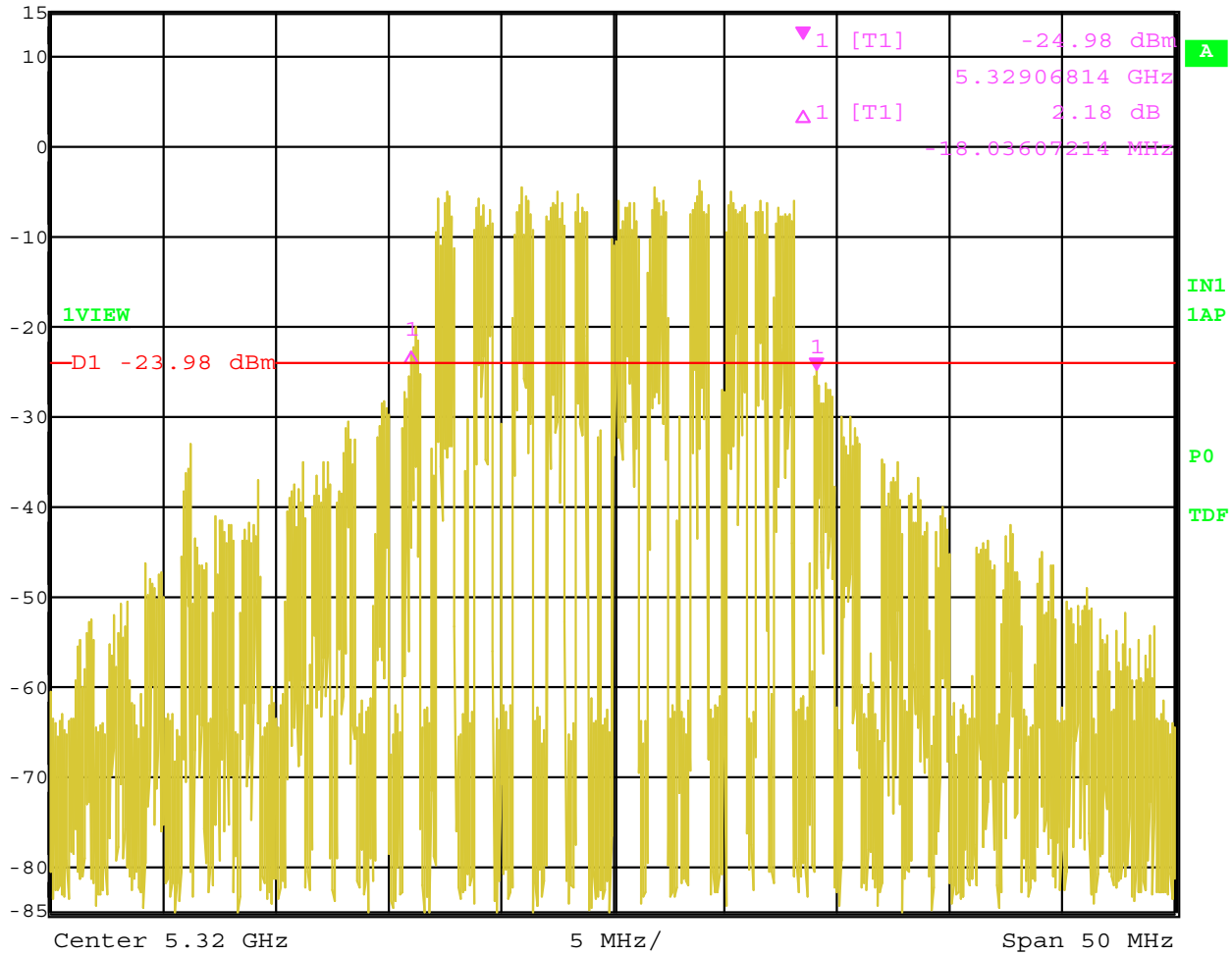


Date: 3.JUN.2005 15:11:49

Bandwidth 20 dB – Channel 60 – Small Antenna



Ref Lvl	Marker 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	-24.98 dBm	VBW	1 MHz		
	5.32906814 GHz	SWT	5 ms	Unit	dBm

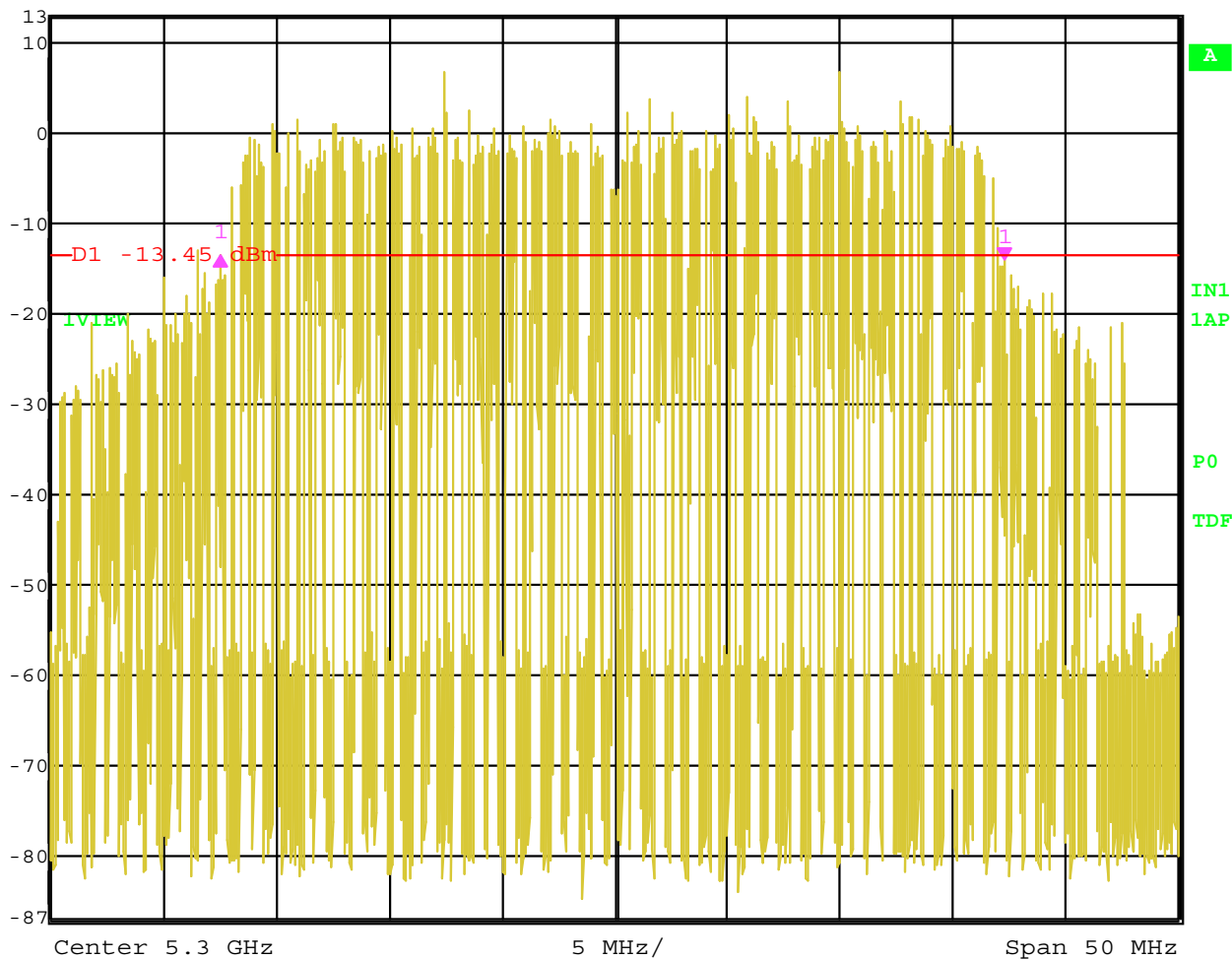


Date: 31.MAR.2005 11:57:16

Bandwidth 20 dB – Channel 64 – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	500 kHz	RF Att	30 dB
13 dBm	0.43 dB	VBW	1 MHz		
	-34.76953908 MHz	SWT	5 ms	Unit	dBm

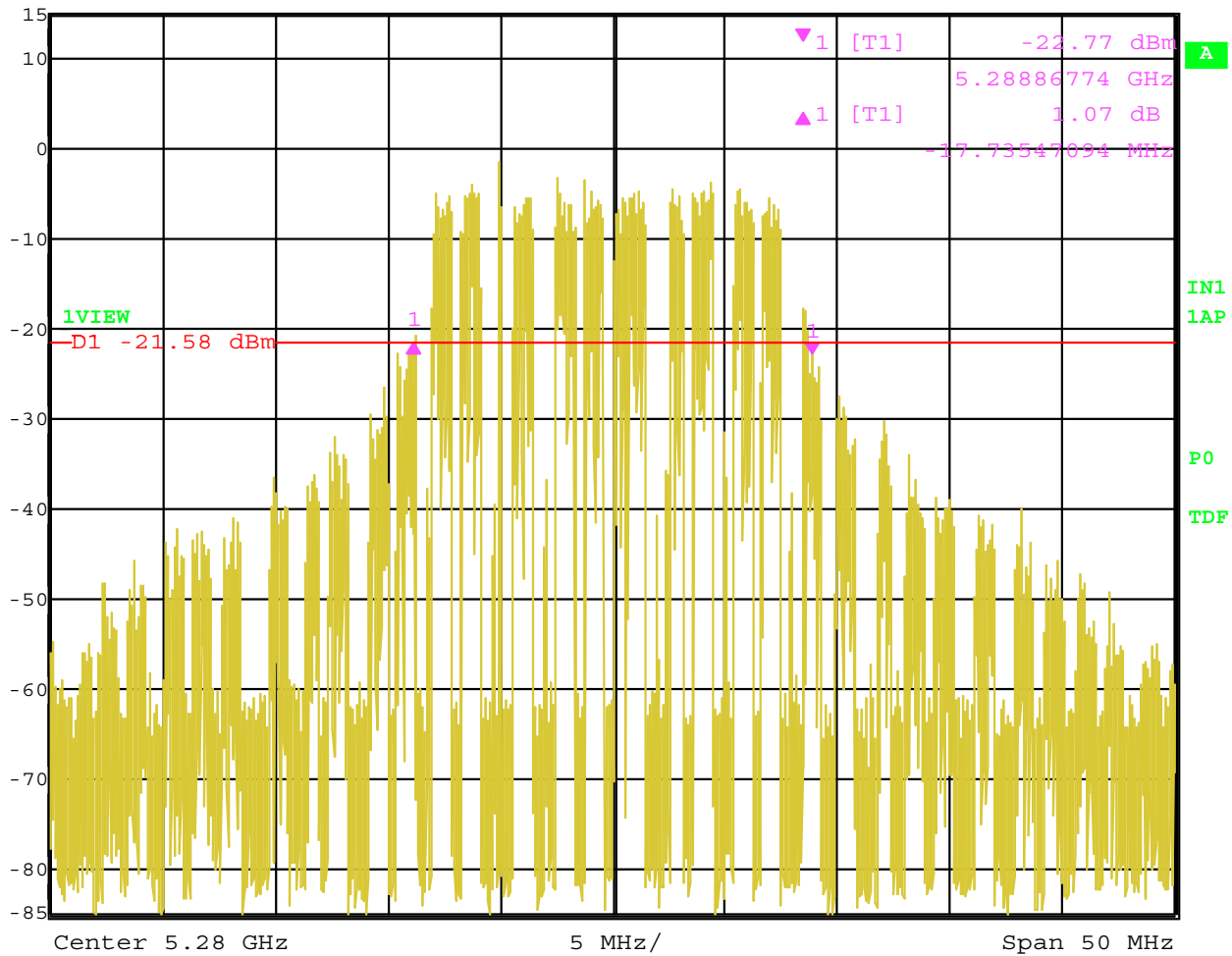


Date: 3.JUN.2005 14:19:30

Bandwidth 20 dB – Channel 60 – Turbo Mode – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	1.07 dB	VBW	1 MHz		
	-17.73547094 MHz	SWT	5 ms	Unit	dBm

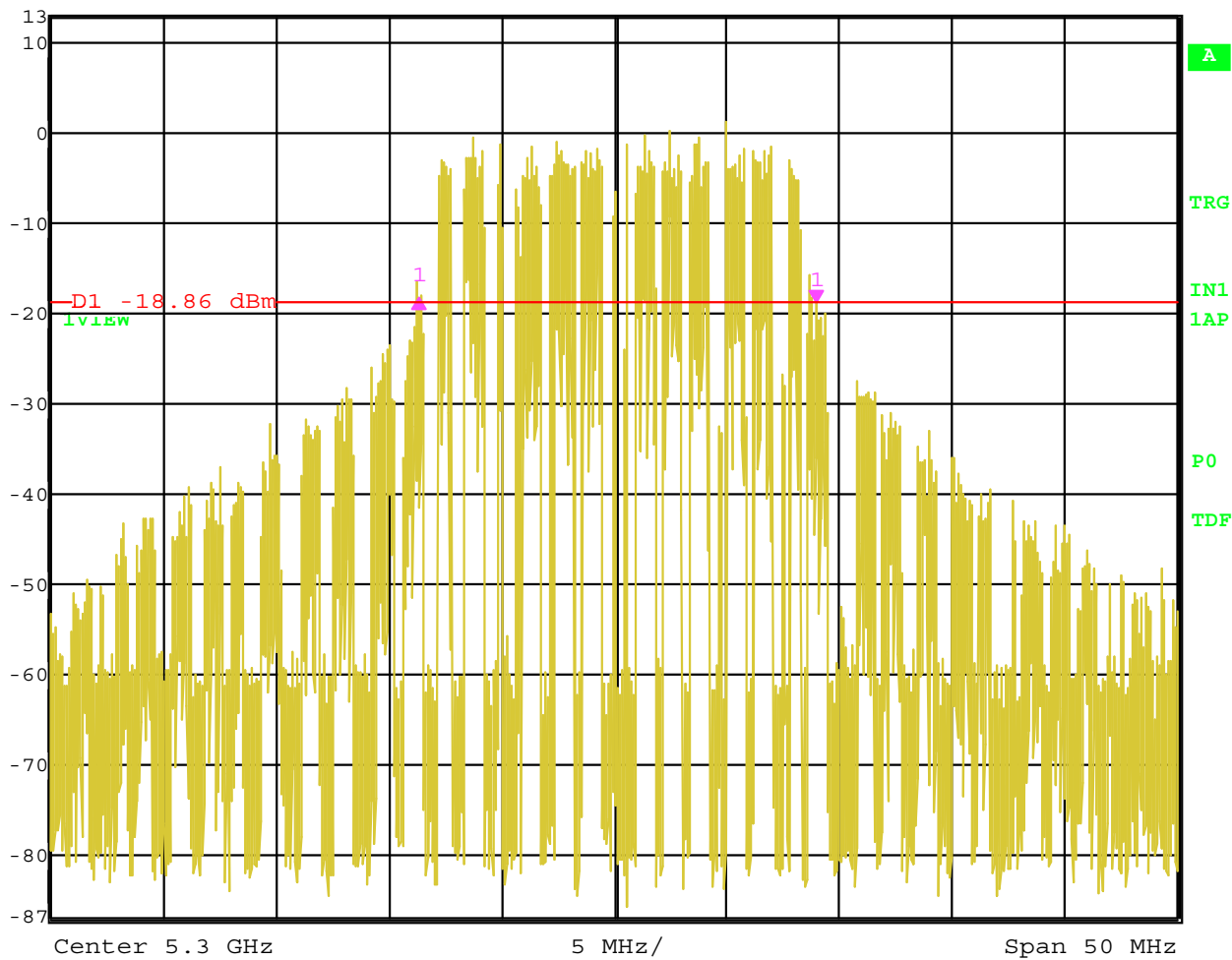


Date: 31.MAR.2005 14:17:05

Bandwidth 20 dB – Channel 56 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
13 dBm	0.56 dB	VBW	1 MHz		
	-17.63527054 MHz	SWT	5 ms	Unit	dBm

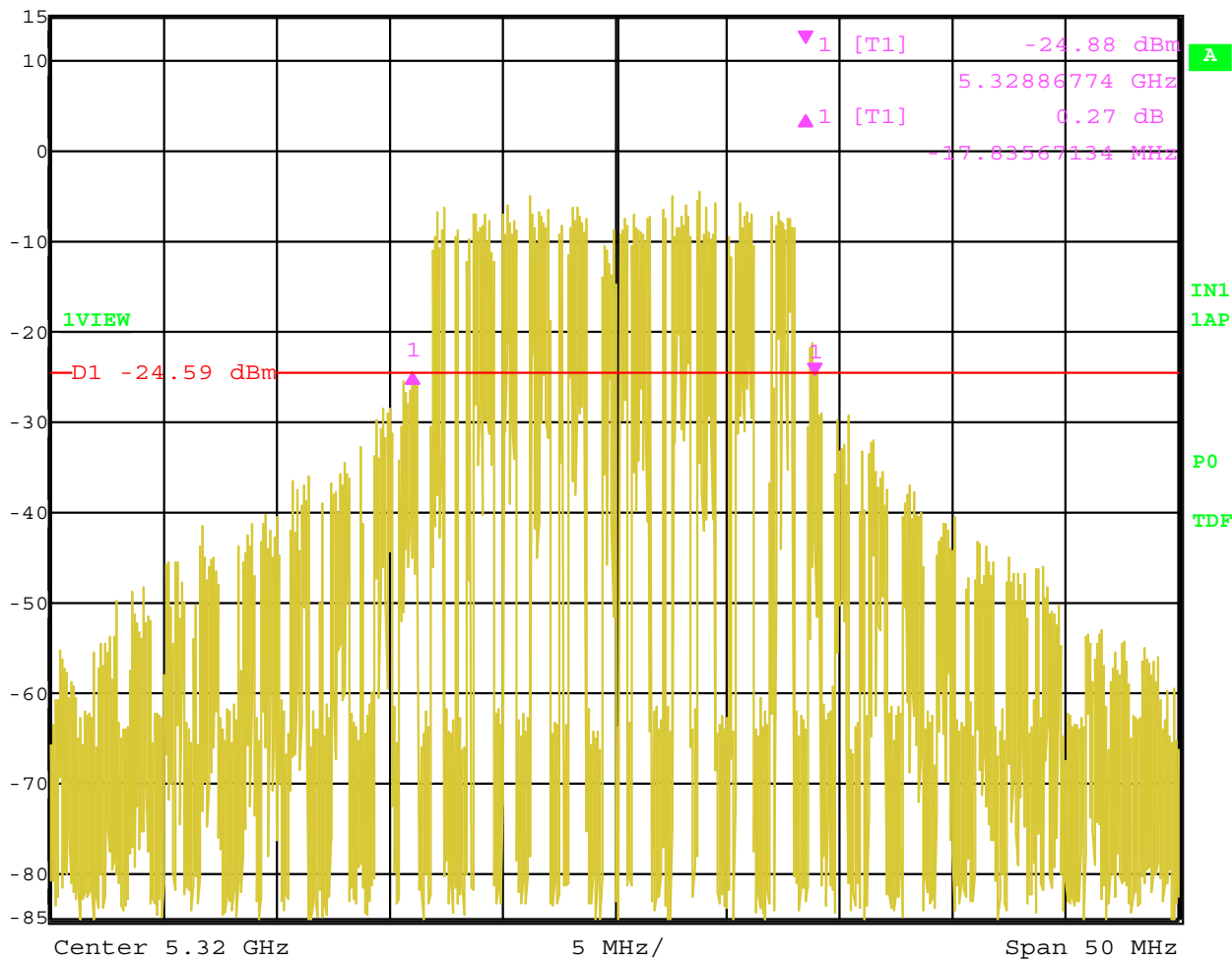


Date: 3.JUN.2005 11:12:52

Bandwidth 20 dB – Channel 60 – Patch Antenna



Ref Lvl 15 dBm
Delta 1 [T1] 0.27 dB
-17.83567134 MHz
RBW 200 kHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

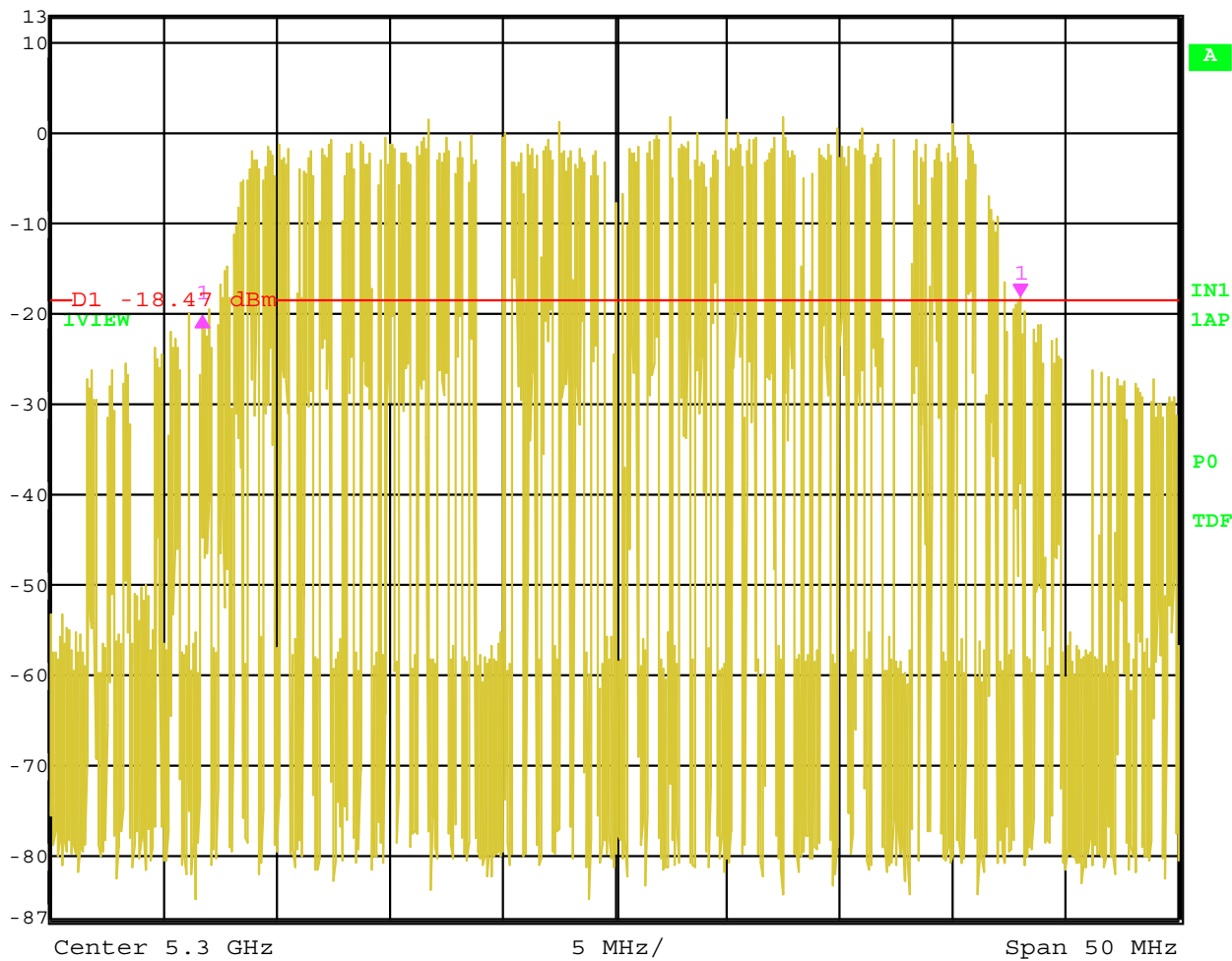


Date: 31.MAR.2005 14:47:00

Bandwidth 20 dB – Channel 64 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	500 kHz	RF Att	30 dB
13 dBm	-2.13 dB	VBW	1 MHz		
	-36.27254509 MHz	SWT	5 ms	Unit	dBm



Date: 3.JUN.2005 13:21:03

Bandwidth 20 dB – Channel 60 – Turbo Mode – Patch Antenna

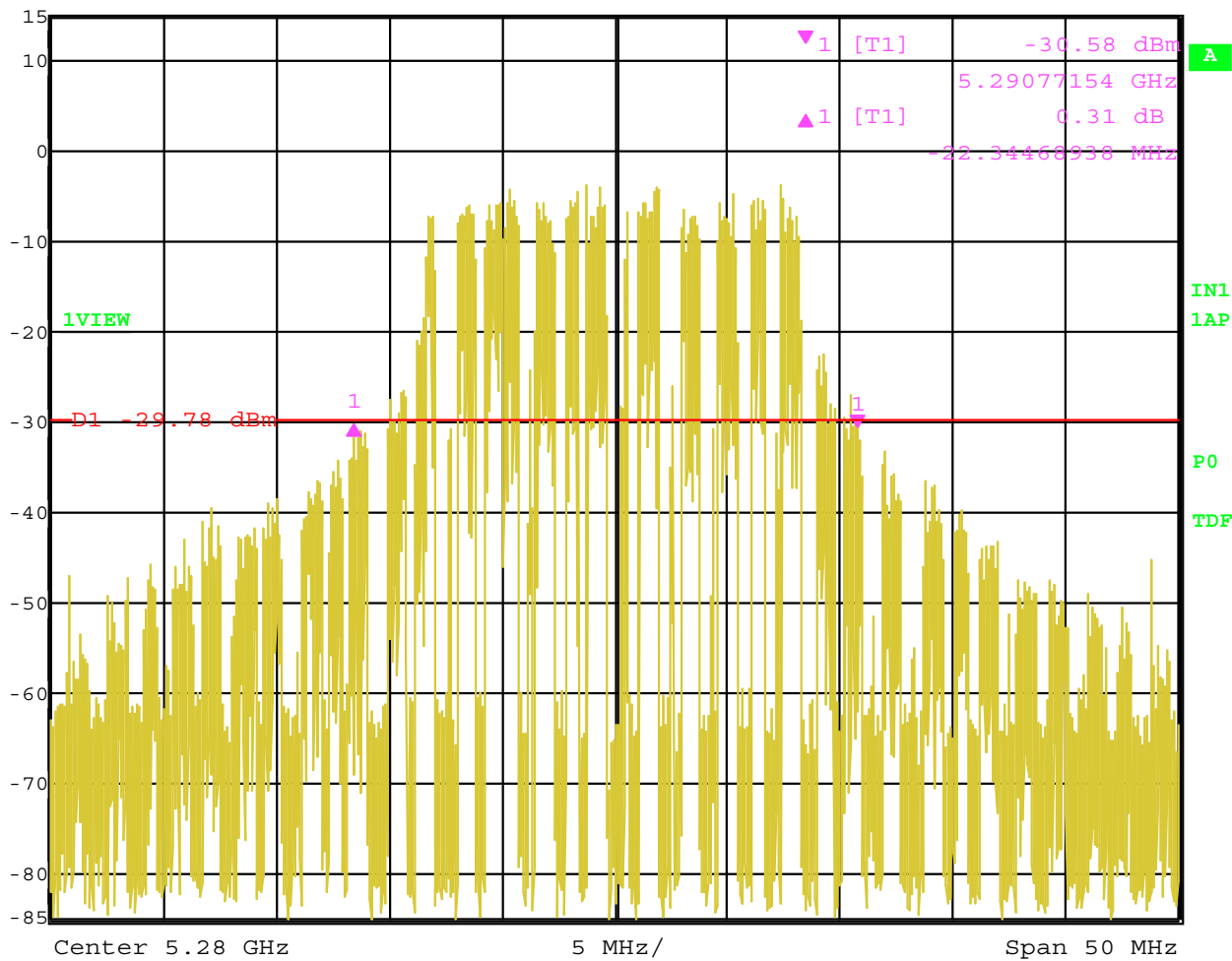


-26 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	0.31 dB	VBW	1 MHz		
	-22.34468938 MHz	SWT	5 ms	Unit	dBm

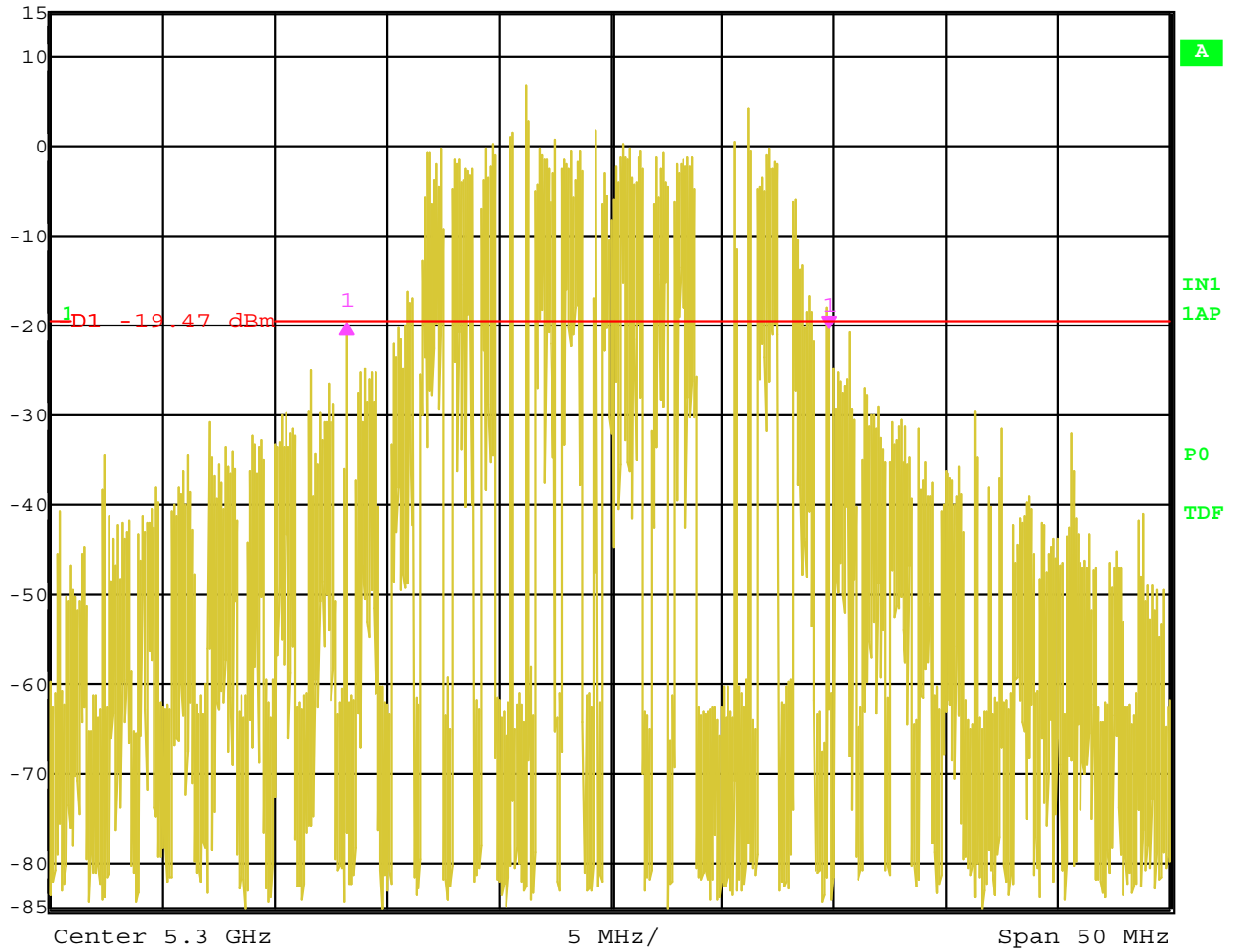


Date: 31.MAR.2005 11:43:57

Bandwidth 26 dB – Channel 56 – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	0.63 dB	VBW	1 MHz		
	-21.54308617 MHz	SWT	5 ms	Unit	dBm

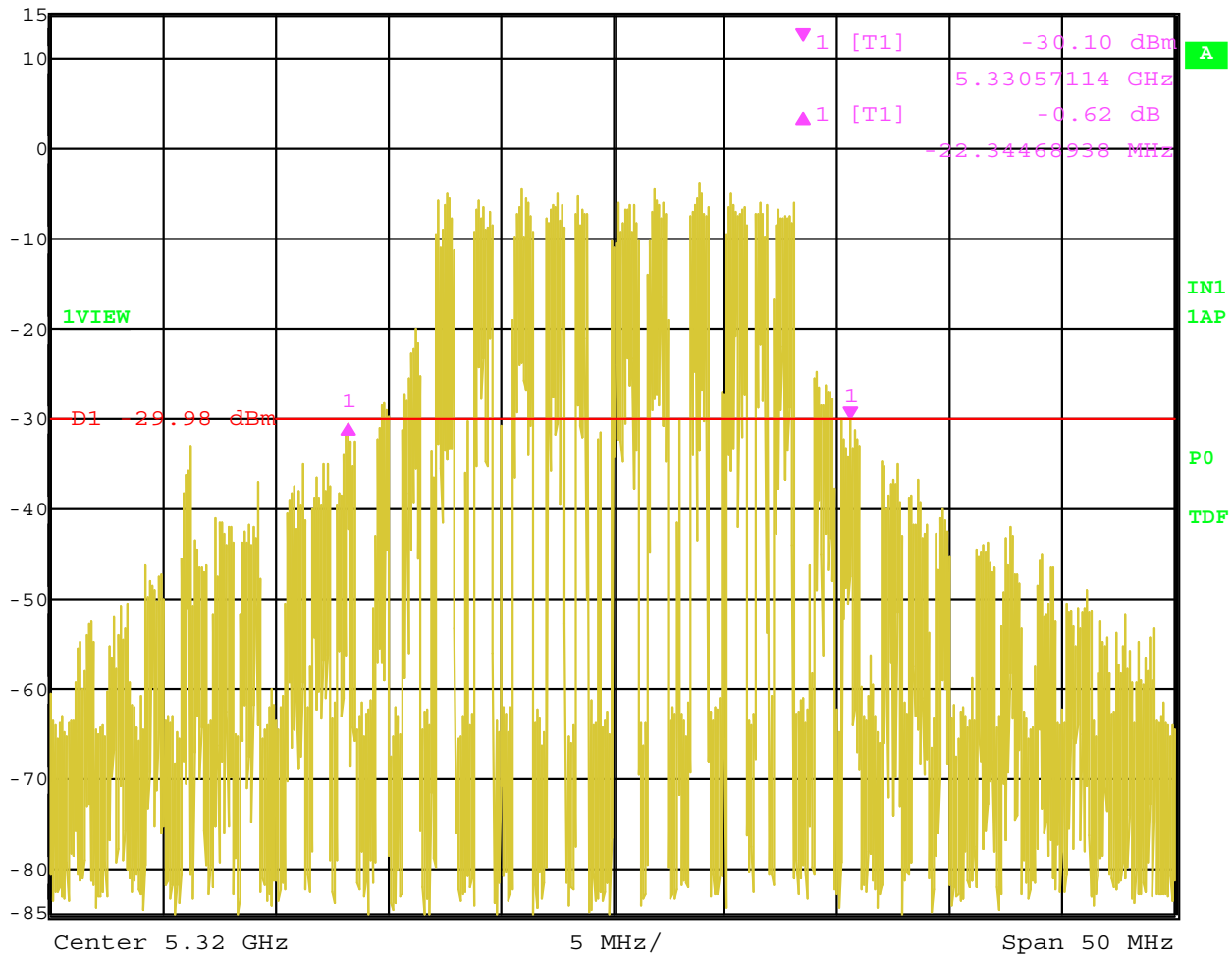


Date: 3.JUN.2005 15:12:56

Bandwidth 26 dB – Channel 60 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	-0.62 dB	VBW	1 MHz		
	-22.34468938 MHz	SWT	5 ms	Unit	dBm

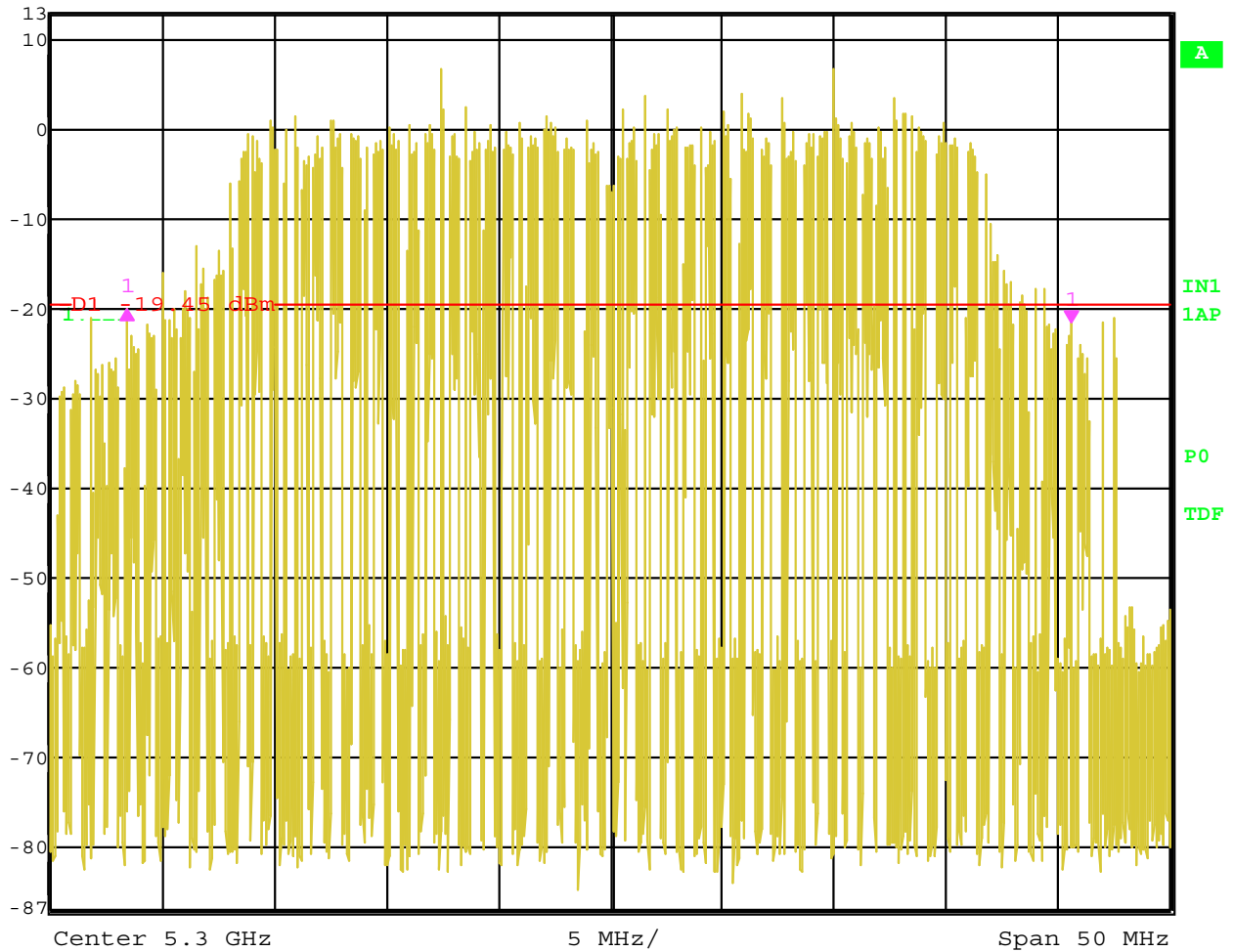


Date: 31.MAR.2005 11:56:30

Bandwidth 26 dB – Channel 64 – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	500 kHz	RF Att	30 dB
13 dBm	1.58 dB	VBW	1 MHz		
	-42.18436874 MHz	SWT	5 ms	Unit	dBm

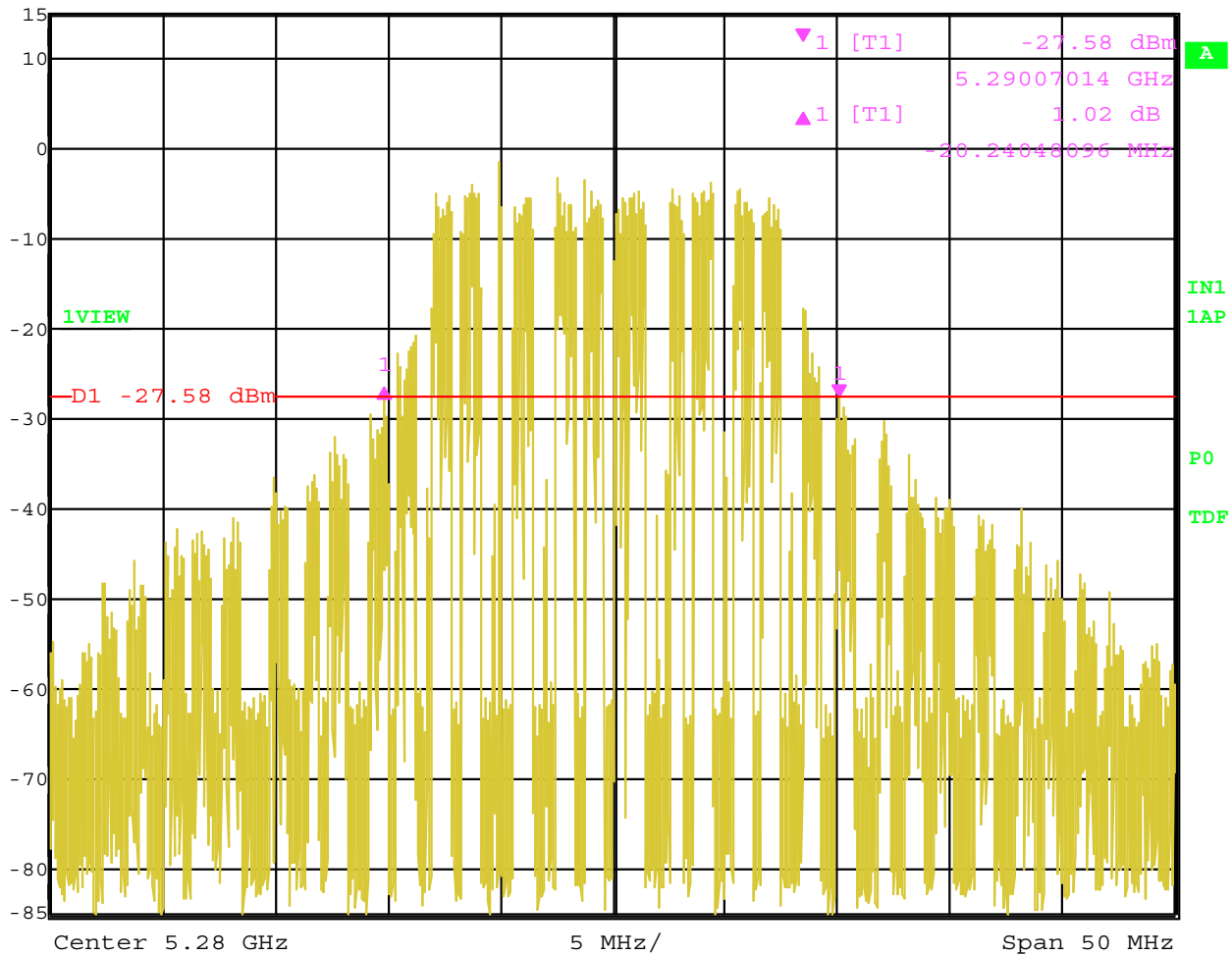


Date: 3.JUN.2005 14:21:31

Bandwidth 26 dB – Channel 60 – Turbo Mode – Small Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	1.02 dB	VBW	1 MHz		
	-20.24048096 MHz	SWT	5 ms	Unit	dBm

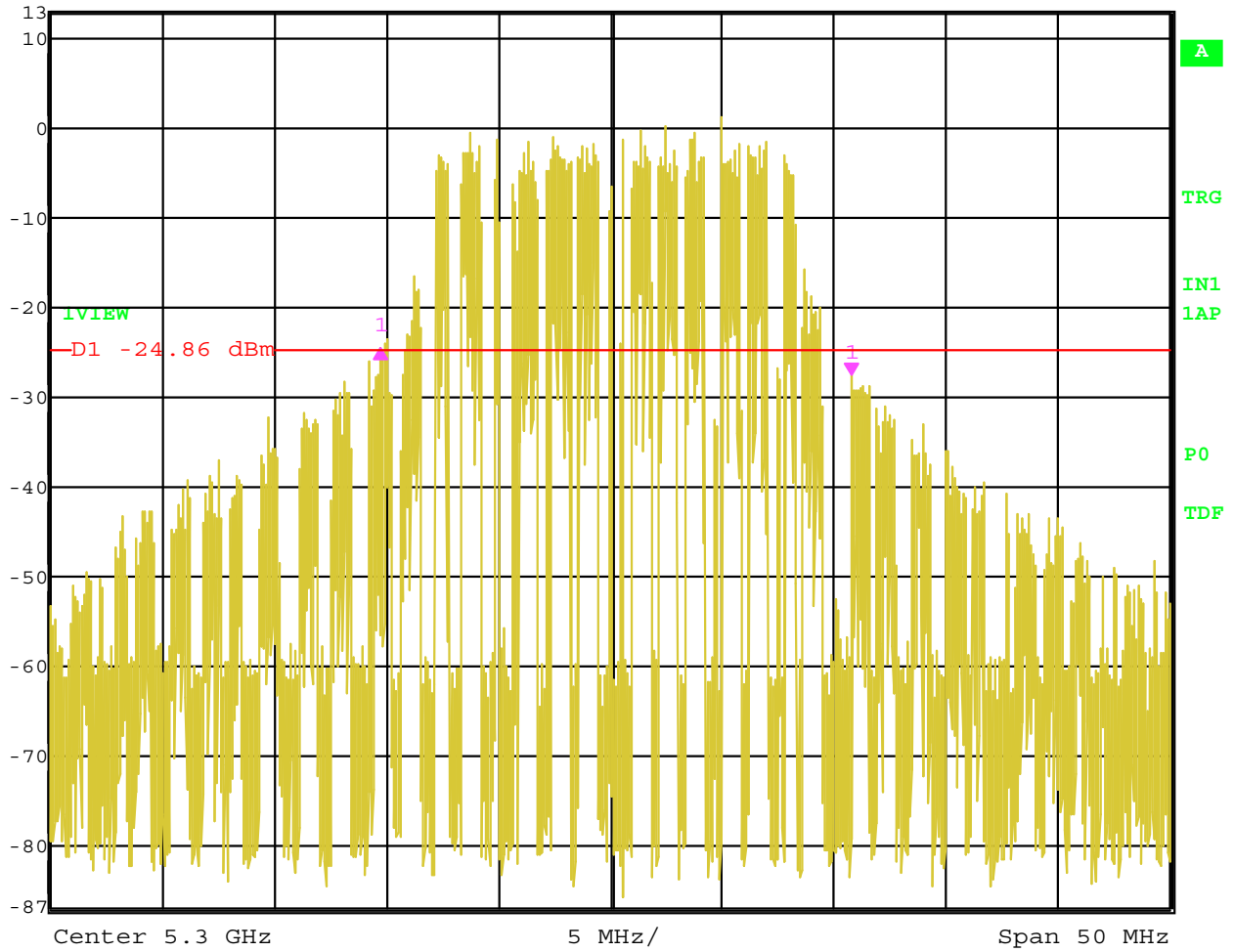


Date: 31.MAR.2005 14:14:23

Bandwidth 26 dB – Channel 56 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
13 dBm	3.10 dB	VBW	1 MHz		
	-21.04208417 MHz	SWT	5 ms	Unit	dBm

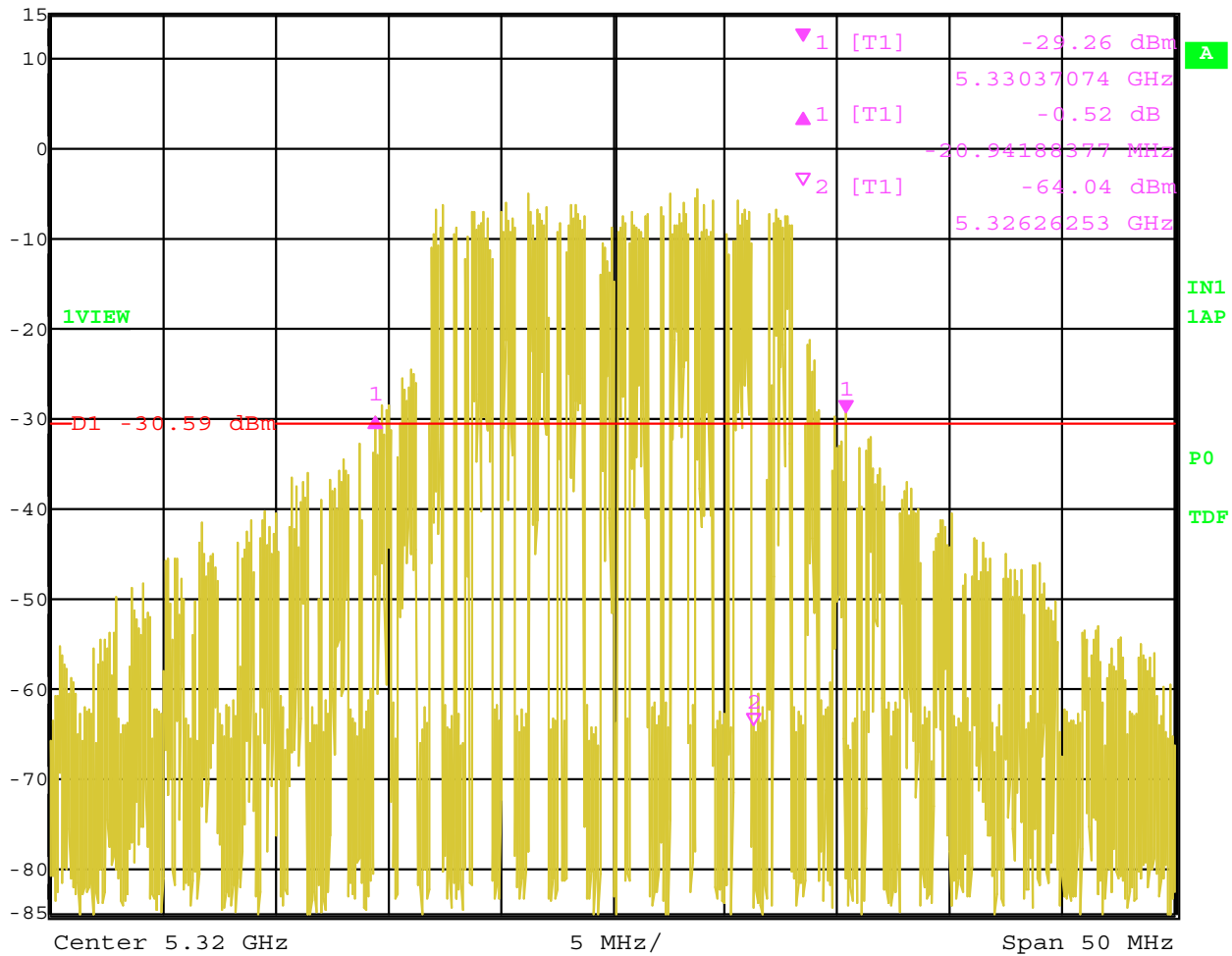


Date: 3.JUN.2005 11:14:09

Bandwidth 26 dB – Channel 60 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	200 kHz	RF Att	30 dB
15 dBm	-0.52 dB	VBW	1 MHz		
	-20.94188377 MHz	SWT	5 ms	Unit	dBm

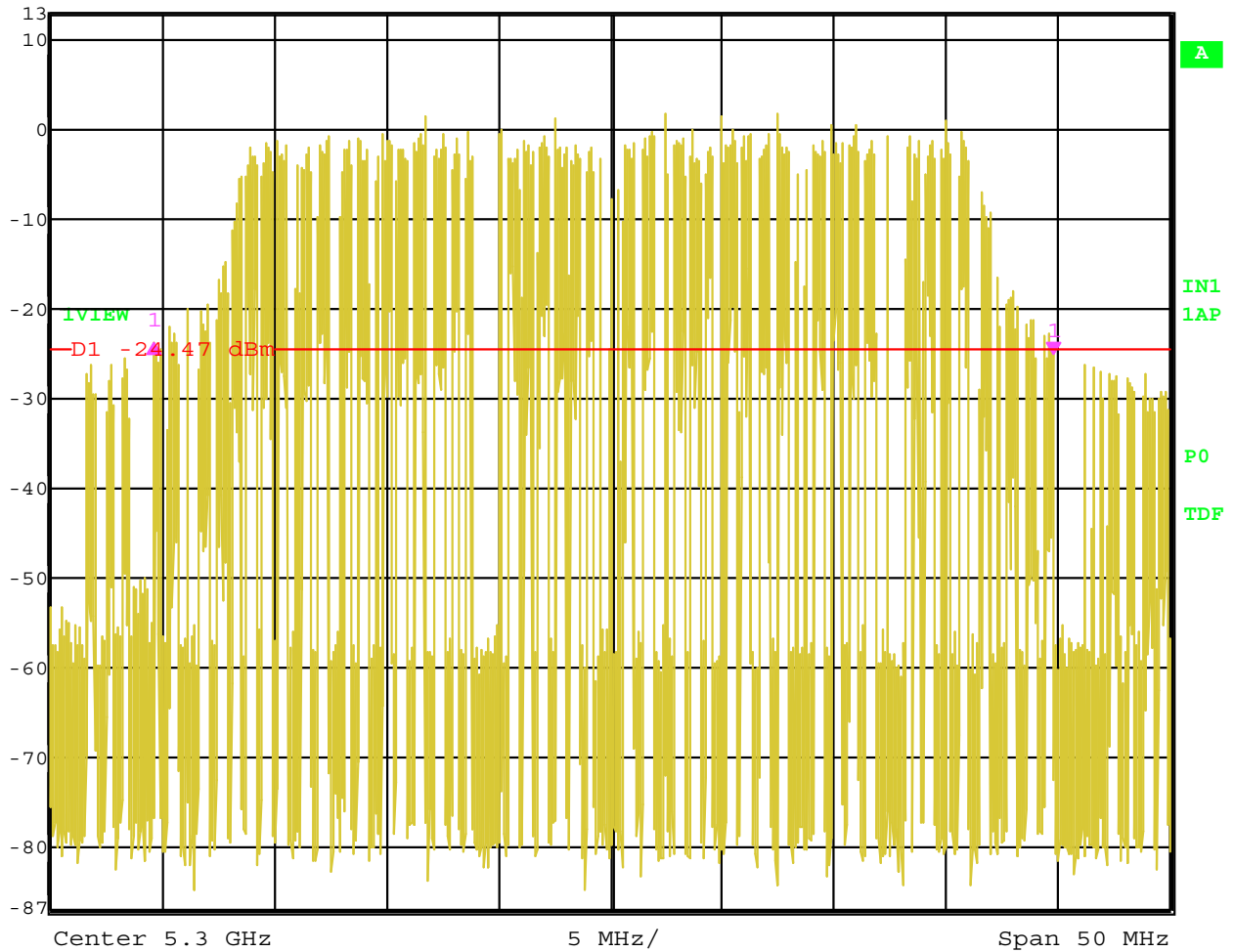


Date: 31.MAR.2005 14:46:26

Bandwidth 26 dB – Channel 64 – Patch Antenna



Ref Lvl	Delta 1 [T1]	RBW	500 kHz	RF Att	30 dB
13 dBm	1.16 dB	VBW	1 MHz		
	-40.18036072 MHz	SWT	5 ms	Unit	dBm



Date: 3.JUN.2005 13:17:02

Bandwidth 26 dB – Channel 60 – Turbo Mode – Patch Antenna

PEAK TRANSMIT POWER

DATA SHEETS

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 5/12/05 and 6/03/05

Lab: B

Tested By: Kyle Fujimoto

Peak Output Power**Settings for Small Antenna**

Gain = 7.5 dBi

Freq. (MHz)	Level (dBuV)	Emission BW (B) in MHz	Antenna Gain (dBi)	Corr. Factor	Power Output (dBm)	Comments
5280	8.14	22.34	7.5	13.49083	21.630832	Limit 22.5 dBm
5300	7.35	21.54	7.5	13.33246	20.682457	Limit 22.5 dBm
5320	6.35	22.34	7.5	13.49083	19.840832	Limit 22.5 dBm
5300 (T)	3.71	42.18	7.5	16.25107	19.961066	Limit 22.5 dBm

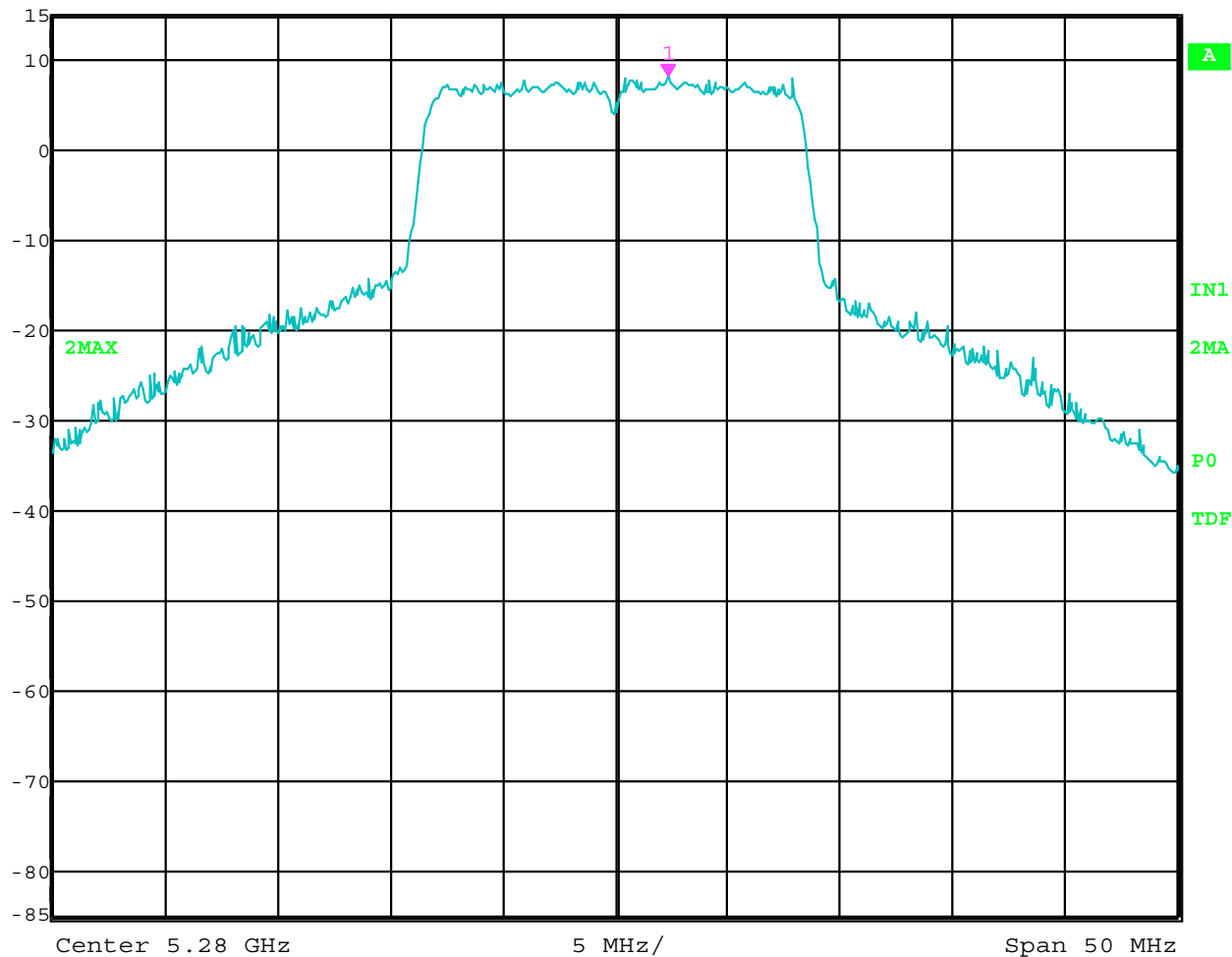
Corr. Factor = $10 \log (\text{Emission BW} / 1 \text{ MHz})$

(T) = Turbo Mode

Limits = 24 dBm (250 mW) - 1.5 dB = 22.5 dBm



Marker 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl 8.14 dBm VBW 50 kHz
15 dBm 5.28235471 GHz SWT 5 ms Unit dBm

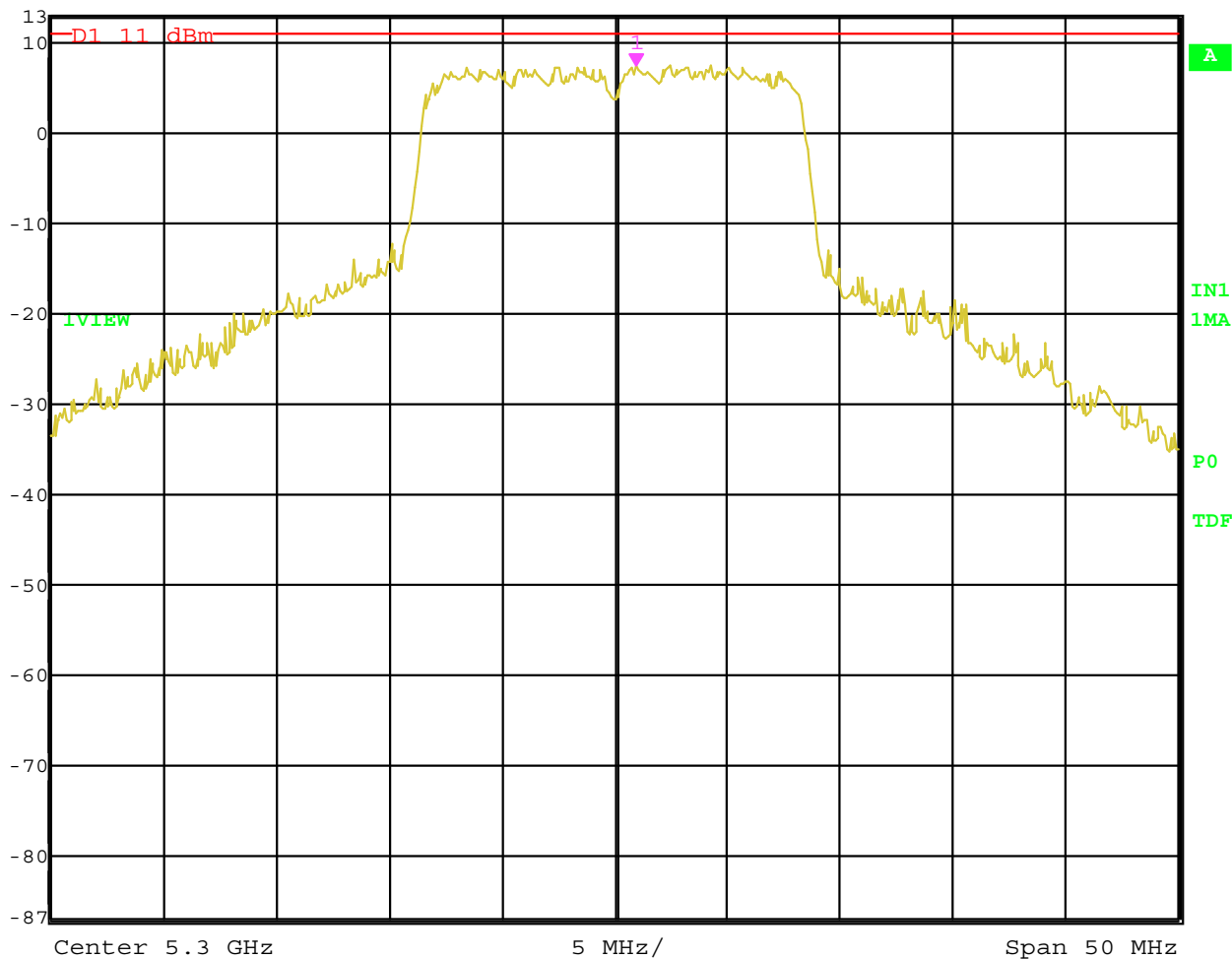


Date: 12.MAY.2005 13:31:38

Peak Power Output – Channel 56 – Small Antenna



Ref Lvl 13 dBm
Marker 1 [T1] 7.35 dBm
5.30095190 GHz
RBW 1 MHz
VBW 50 kHz
SWT 5 ms
RF Att 30 dB
Unit dBm

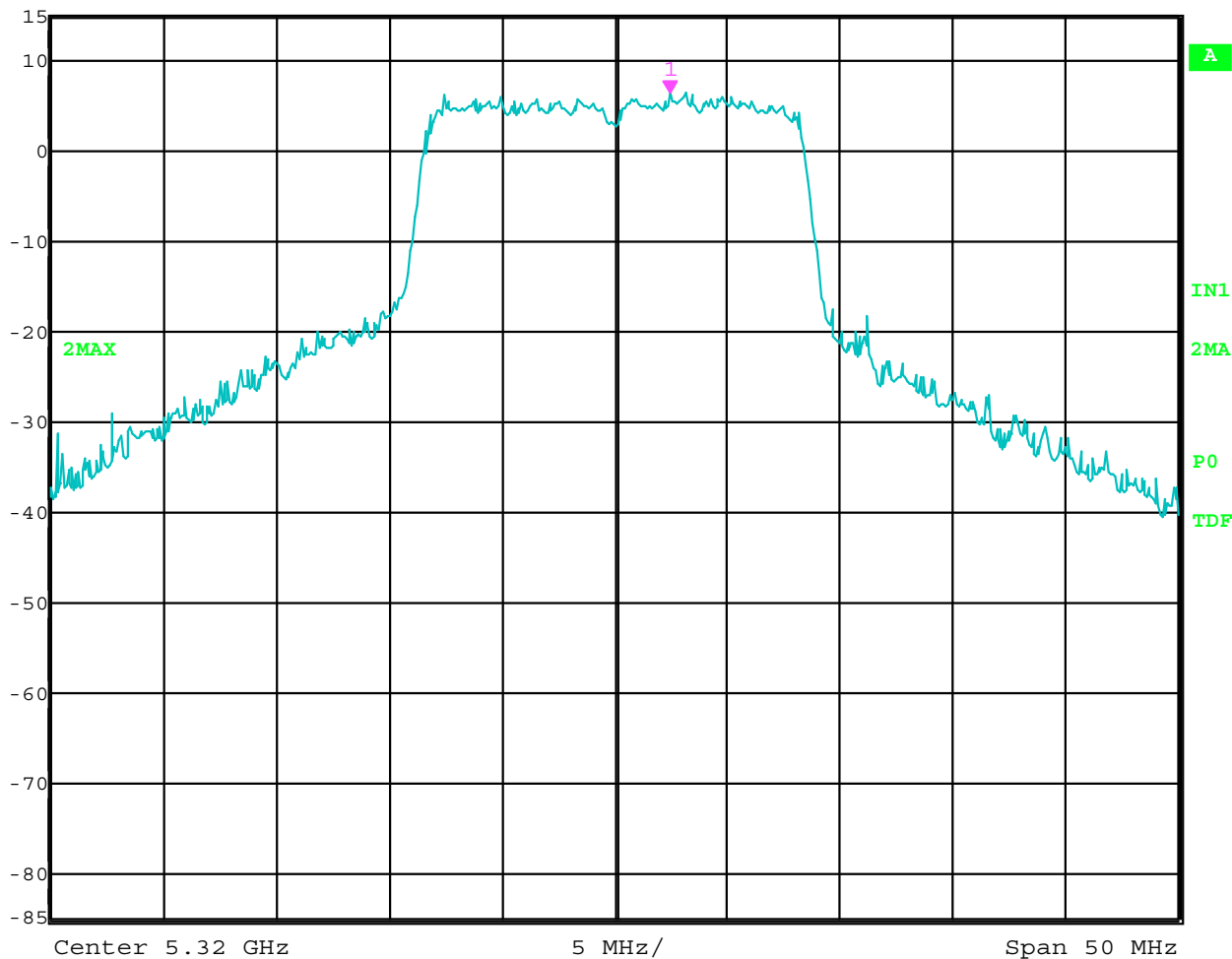


Date: 3.JUN.2005 14:50:54

Peak Power Output – Channel 60 – Small Antenna



Ref Lvl	Marker 1 [T2]	RBW	1 MHz	RF Att	30 dB
15 dBm	6.35 dBm	VBW	50 kHz		
	5.32245491 GHz	SWT	5 ms	Unit	dBm

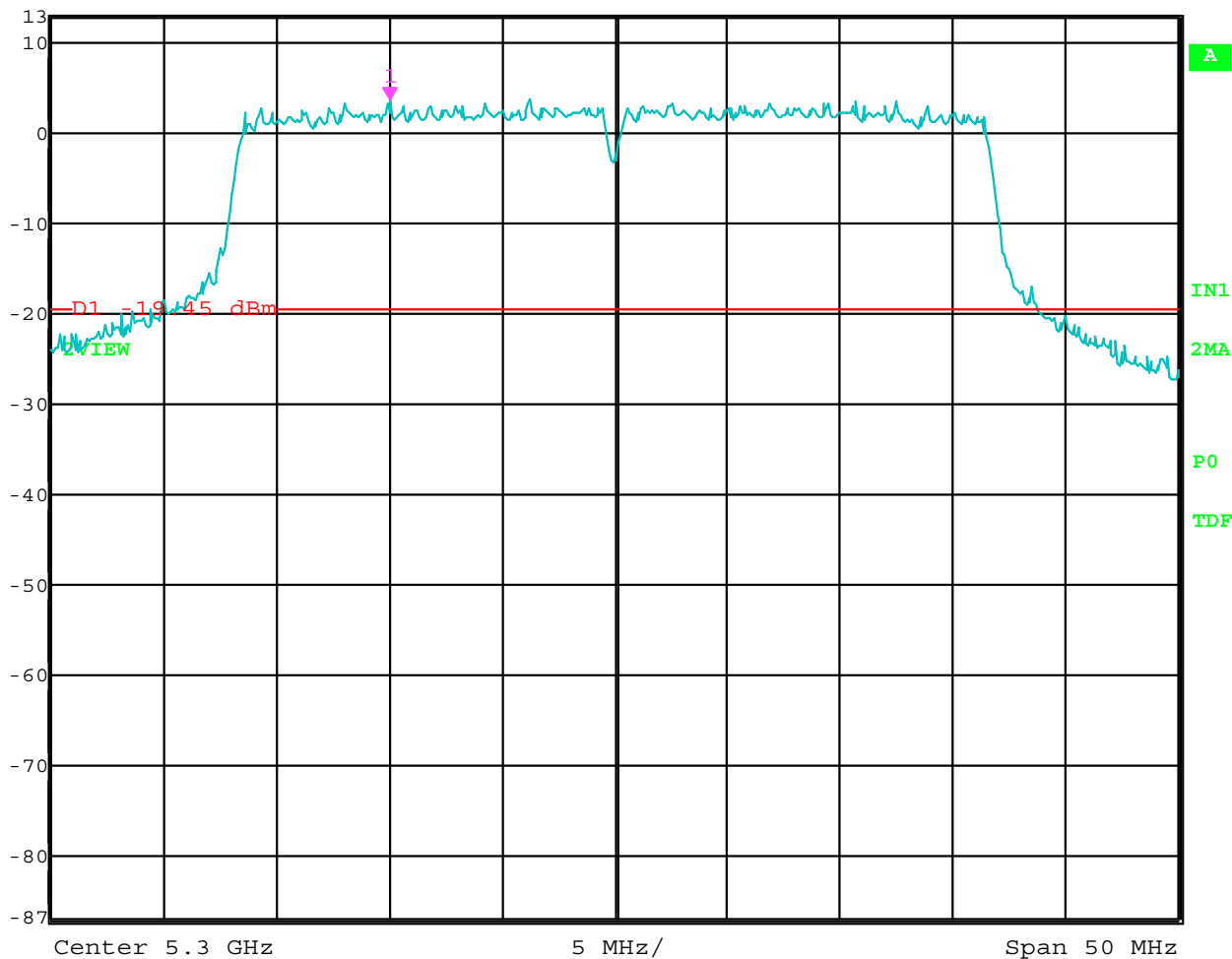


Date: 12.MAY.2005 13:44:51

Peak Power Output – Channel 64 – Small Antenna



Ref Lvl 13 dBm
Marker 1 [T2] 3.71 dBm
5.29003006 GHz
RBW 1 MHz
RF Att 30 dB
VBW 50 kHz
SWT 5 ms
Unit dBm



Date: 3.JUN.2005 14:24:05

Peak Power Output – Channel 60 – Turbo Mode – Small Antenna

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 5/12/05 and 6/03/05

Lab: B

Tested By: Kyle Fujimoto

Peak Output Power**Settings for Patch Antenna**

Gain = 12.2 dBi

Freq. (MHz)	Level (dBm)	Emission BW (B) in MHz	Antenna Gain (dBi)	Corr. Factor	Power Output (dBm)	Comments
5280	1.64	20.24	12.2	13.06211	14.702105	Limit 17.8 dBm
5300	0.96	21.04	12.2	13.23046	14.190457	Limit 17.8 dBm
5320	0.75	20.94	12.2	13.20977	13.959767	Limit 17.8 dBm
5300 (T)	-0.9	40.18	12.2	16.0401	15.140099	Limit 17.8 dBm

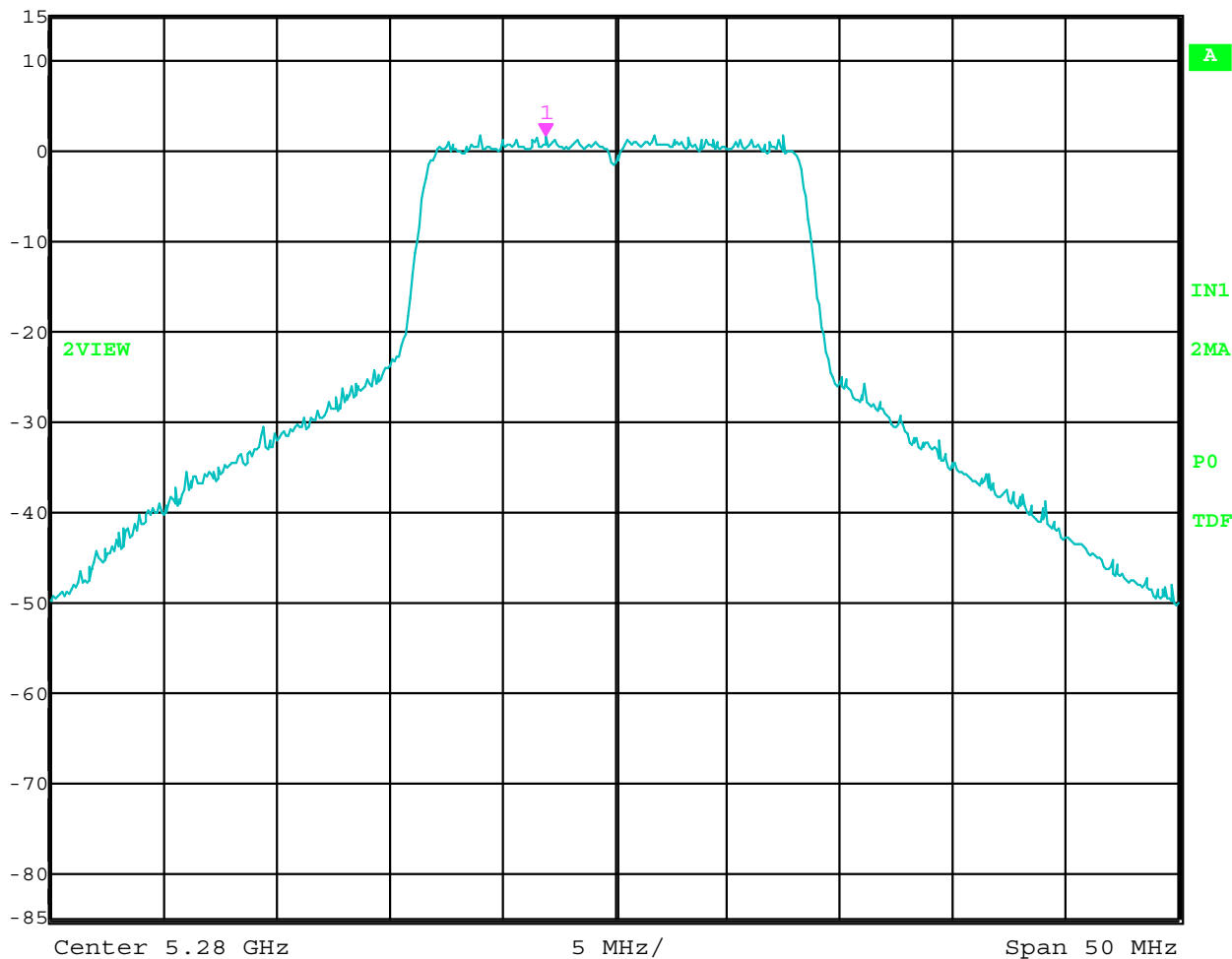
Corr. Factor = $10 \log (\text{Emission BW} / 1 \text{ MHz})$

(T) = Turbo Mode

Limits = 24 dBm (250 mW) - 6.2 dB = 17.8 dBm



Ref Lvl	Marker 1 [T2]	RBW	1 MHz	RF Att	30 dB
15 dBm	1.64 dBm	VBW	50 kHz	Unit	
	5.27694389 GHz	SWT	5 ms		dBm

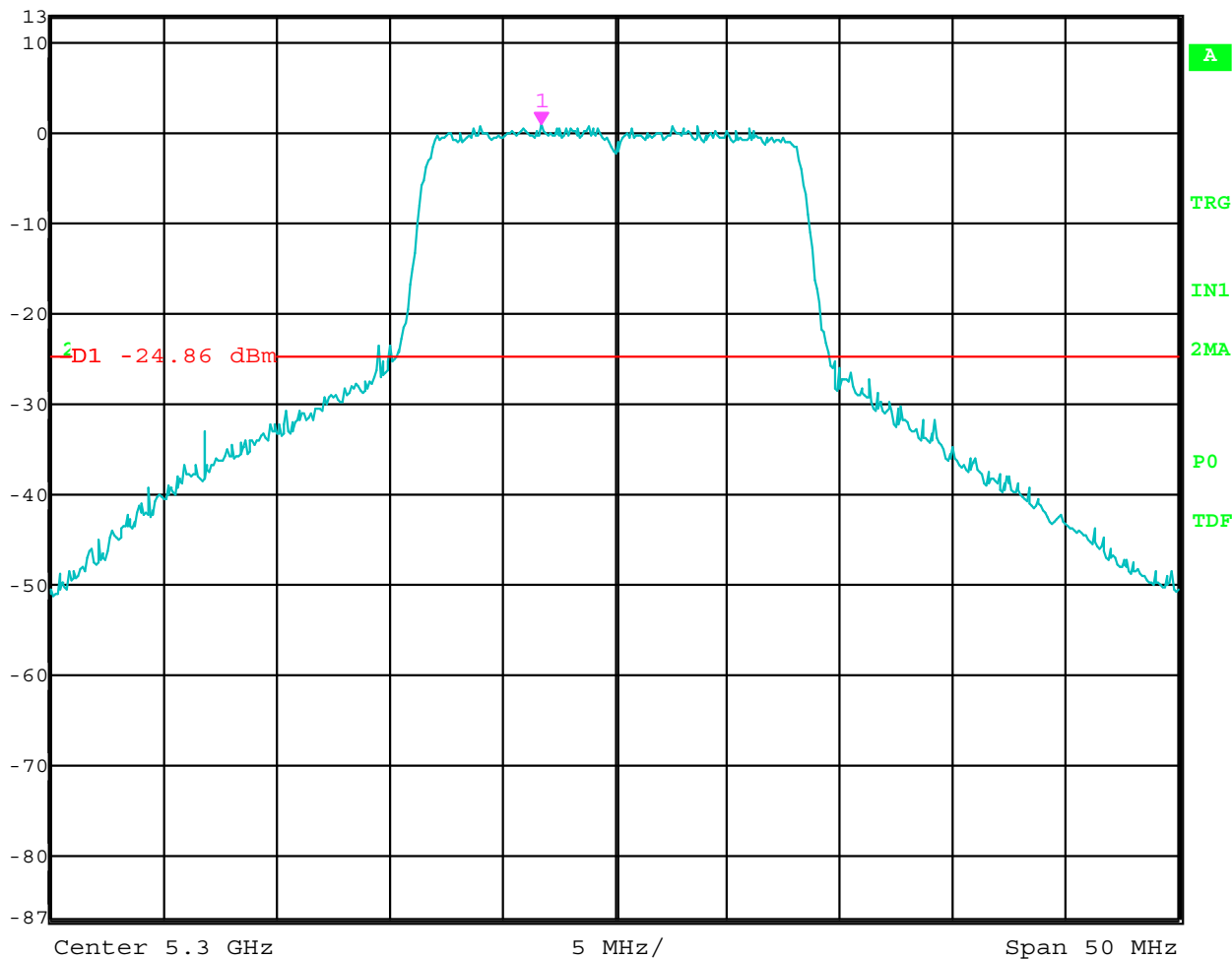


Date: 12.MAY.2005 14:26:27

Peak Power Output – Channel 56 – Patch Antenna



Ref Lvl 13 dBm
Marker 1 [T2] 0.96 dBm
5.29674349 GHz
RBW 1 MHz
VBW 50 kHz
SWT 5 ms
RF Att 30 dB
Unit dBm

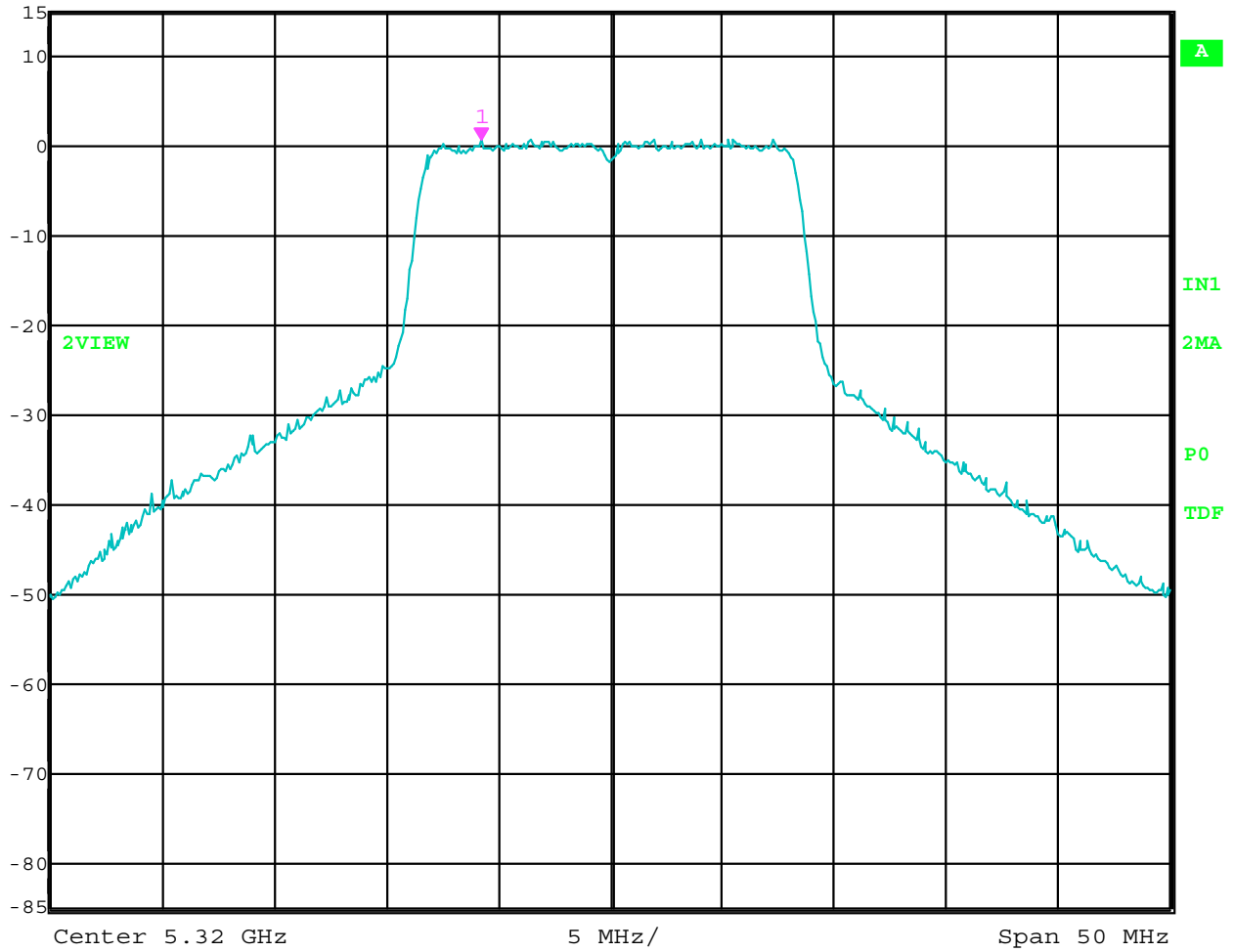


Date: 3.JUN.2005 11:17:16

Peak Power Output – Channel 60 – Patch Antenna



Ref Lvl	Marker 1 [T2]	RBW	1 MHz	RF Att	30 dB
15 dBm	0.75 dBm	VBW	50 kHz	Unit	
	5.31423848 GHz	SWT	5 ms		dBm

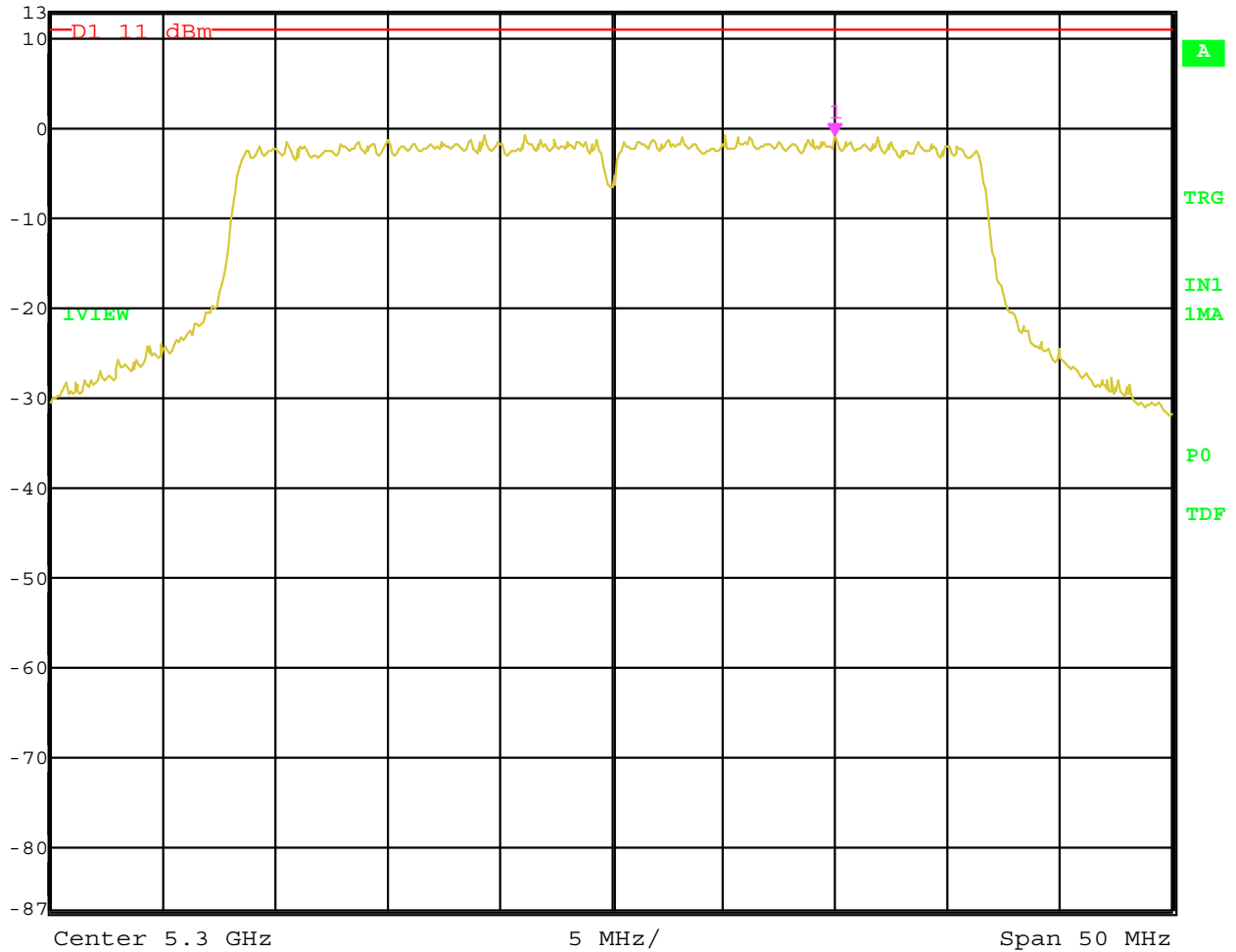


Date: 12.MAY.2005 14:23:00

Peak Power Output – Channel 64 – Patch Antenna



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
13 dBm	-0.90 dBm	VBW	50 kHz		
	5.30996994 GHz	SWT	5 ms	Unit	dBm



Date: 3.JUN.2005 13:13:02

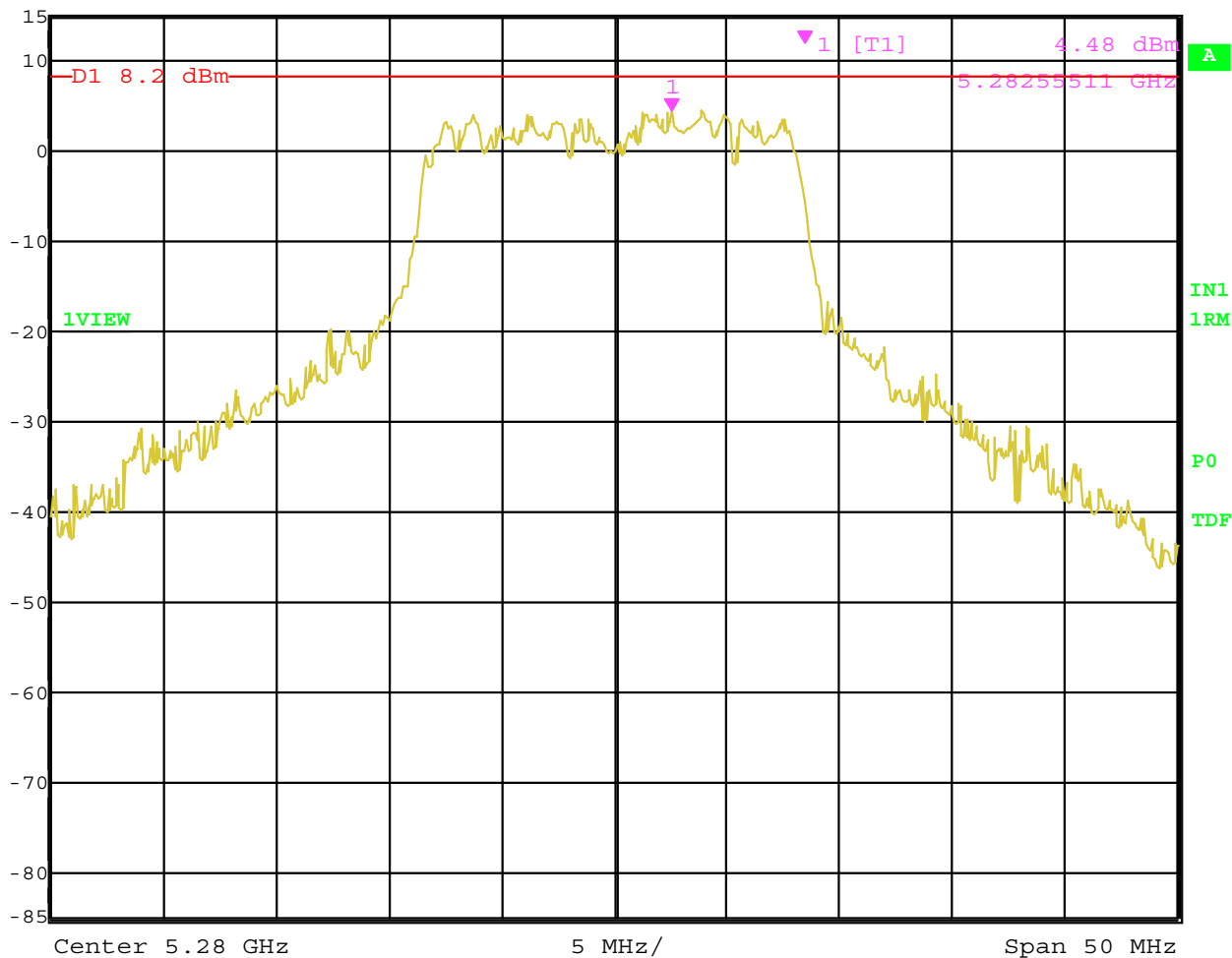
Peak Power Output – Channel 60 – Turbo Mode – Patch Antenna

PEAK POWER SPECTRAL DENSITY

DATA SHEETS



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
15 dBm	4.48 dBm	VBW	3 MHz		
	5.28255511 GHz	SWT	5 ms	Unit	dBm

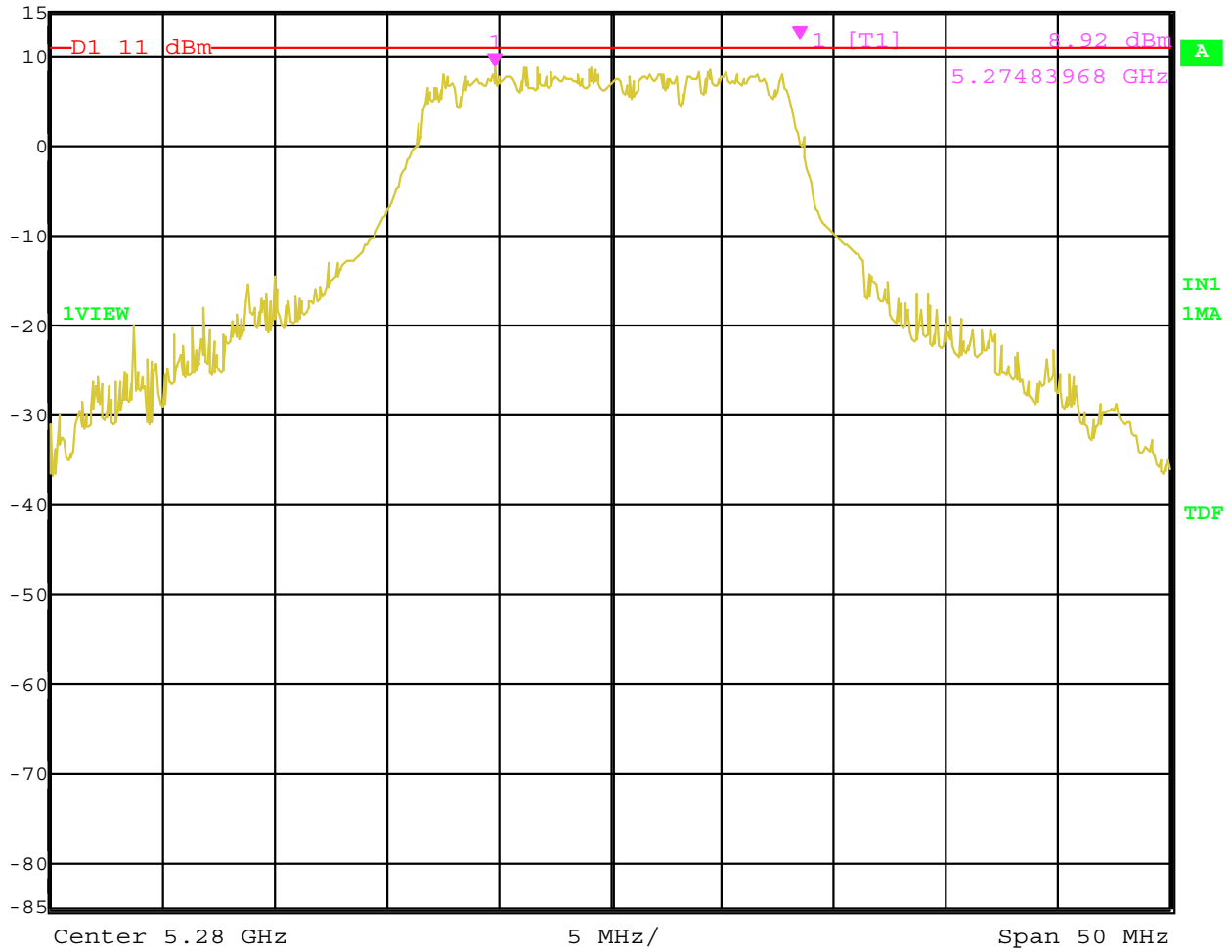


Date: 31.MAR.2005 11:33:10

PPSD - Channel 56 - Small Antenna - FCC Method



Ref Lvl 15 dBm Marker 1 [T1] 8.92 dBm RBW 1 MHz RF Att 30 dB
5.27483968 GHz VBW 1 MHz Unit dBm
SWT 5 ms

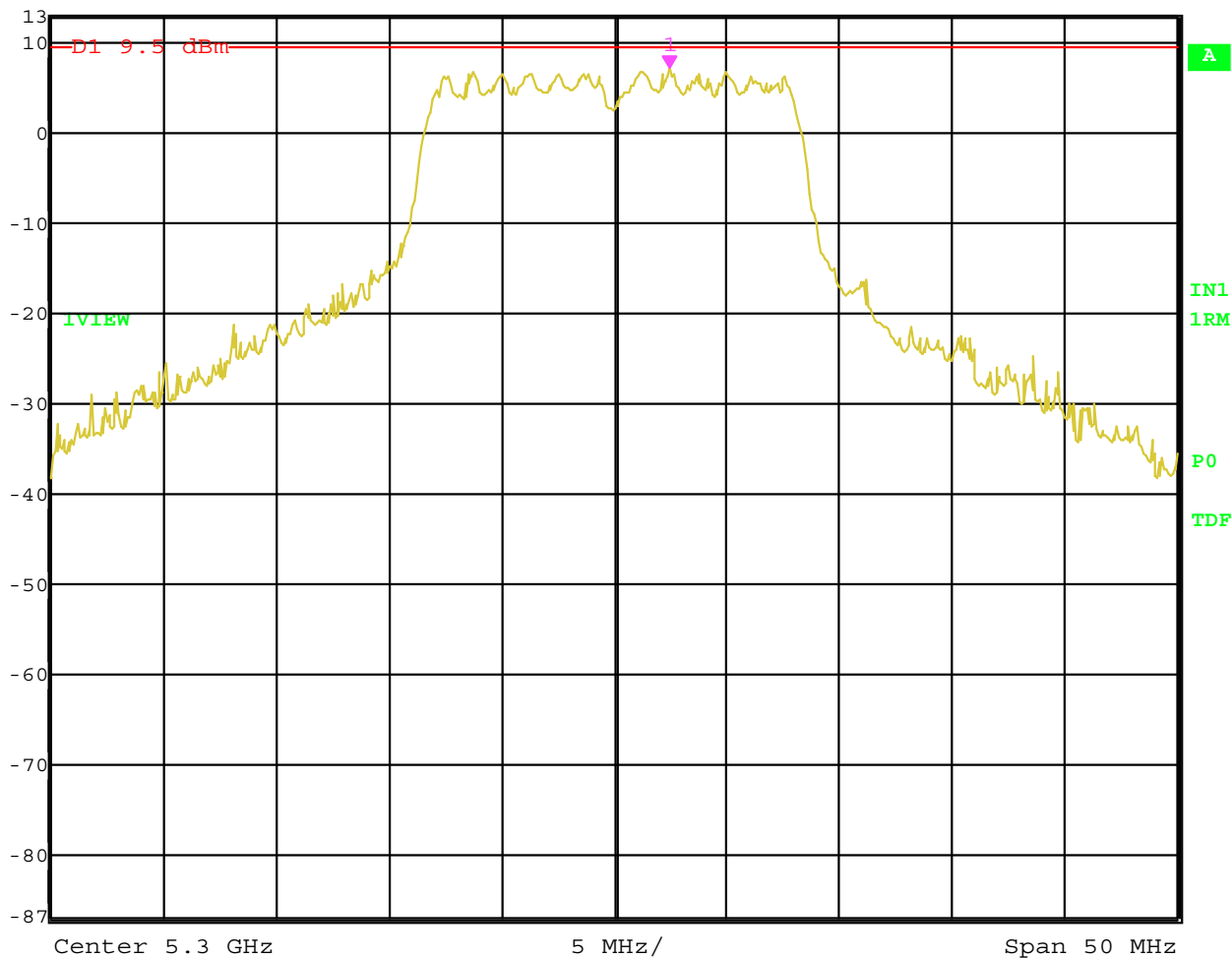


Date: 31.MAR.2005 11:29:50

PPSD – Channel 56 – Small Antenna – RSS-210 Method



Ref Lvl 13 dBm
Marker 1 [T1] 7.18 dBm
5.30245491 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

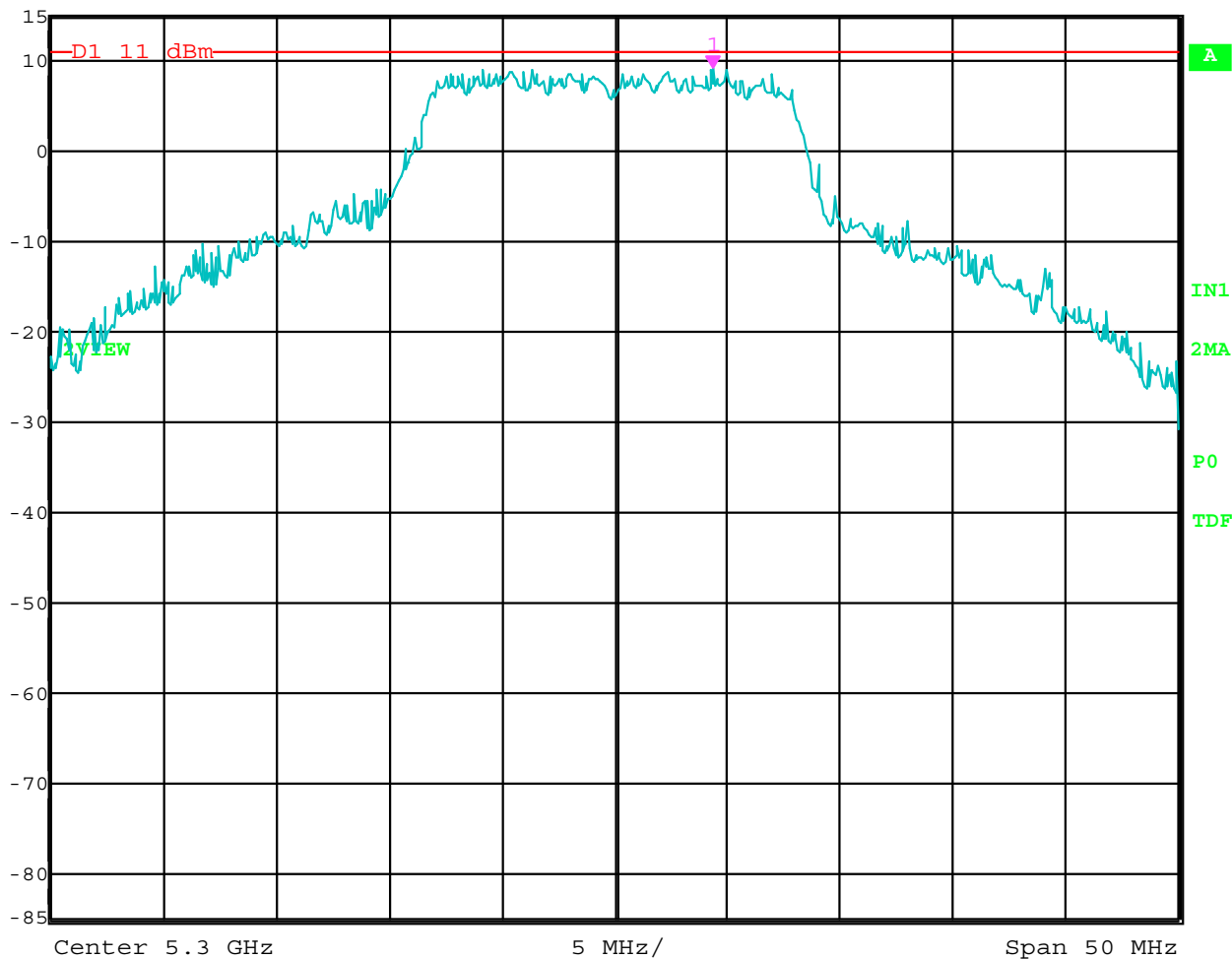


Date: 3.JUN.2005 14:47:42

PPSD – Channel 60 – Small Antenna – FCC Method



Ref Lvl 15 dBm
Marker 1 [T2] 9.01 dBm
5.30435872 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

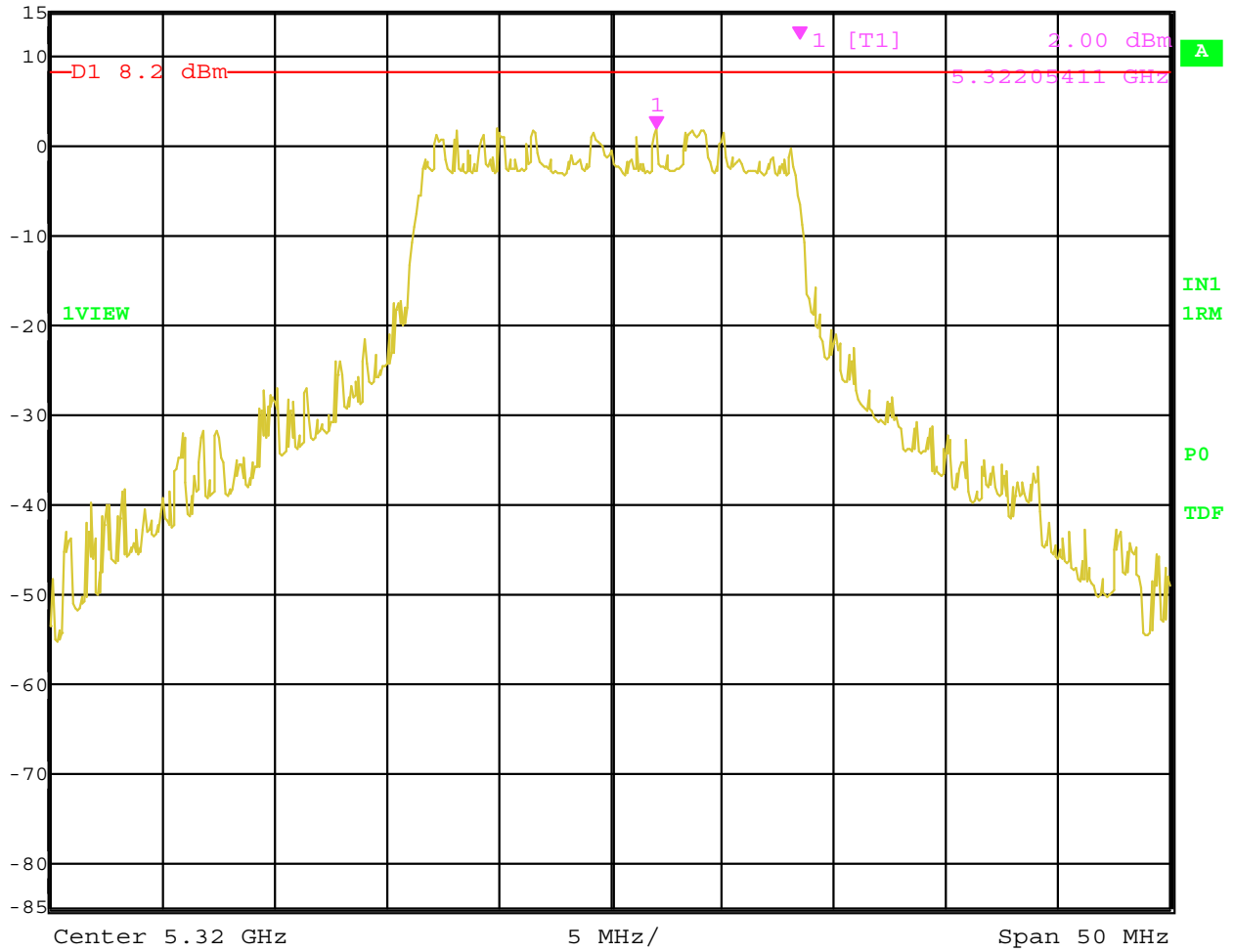


Date: 3.JUN.2005 15:04:25

PPSD – Channel 60 – Small Antenna – RSS-210 Method



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
15 dBm	2.00 dBm	VBW	1 MHz		
	5.32205411 GHz	SWT	5 ms	Unit	dBm

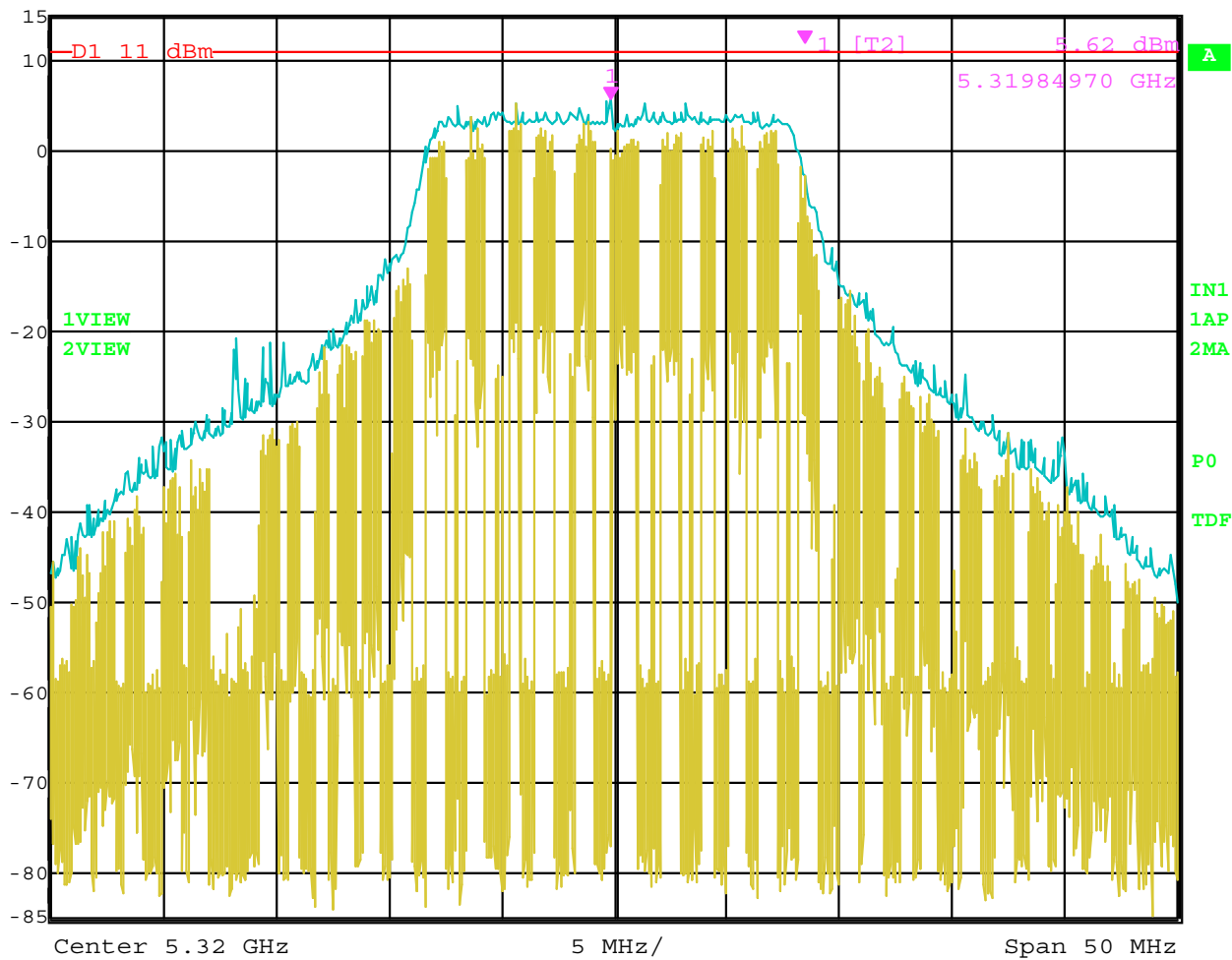


Date: 31.MAR.2005 12:07:58

PPSD – Channel 64 – Small Antenna – FCC Method



Ref Lvl	Marker 1 [T2]	RBW	1 MHz	RF Att	30 dB
15 dBm	5.62 dBm	VBW	1 MHz		
	5.31984970 GHz	SWT	5 ms	Unit	dBm

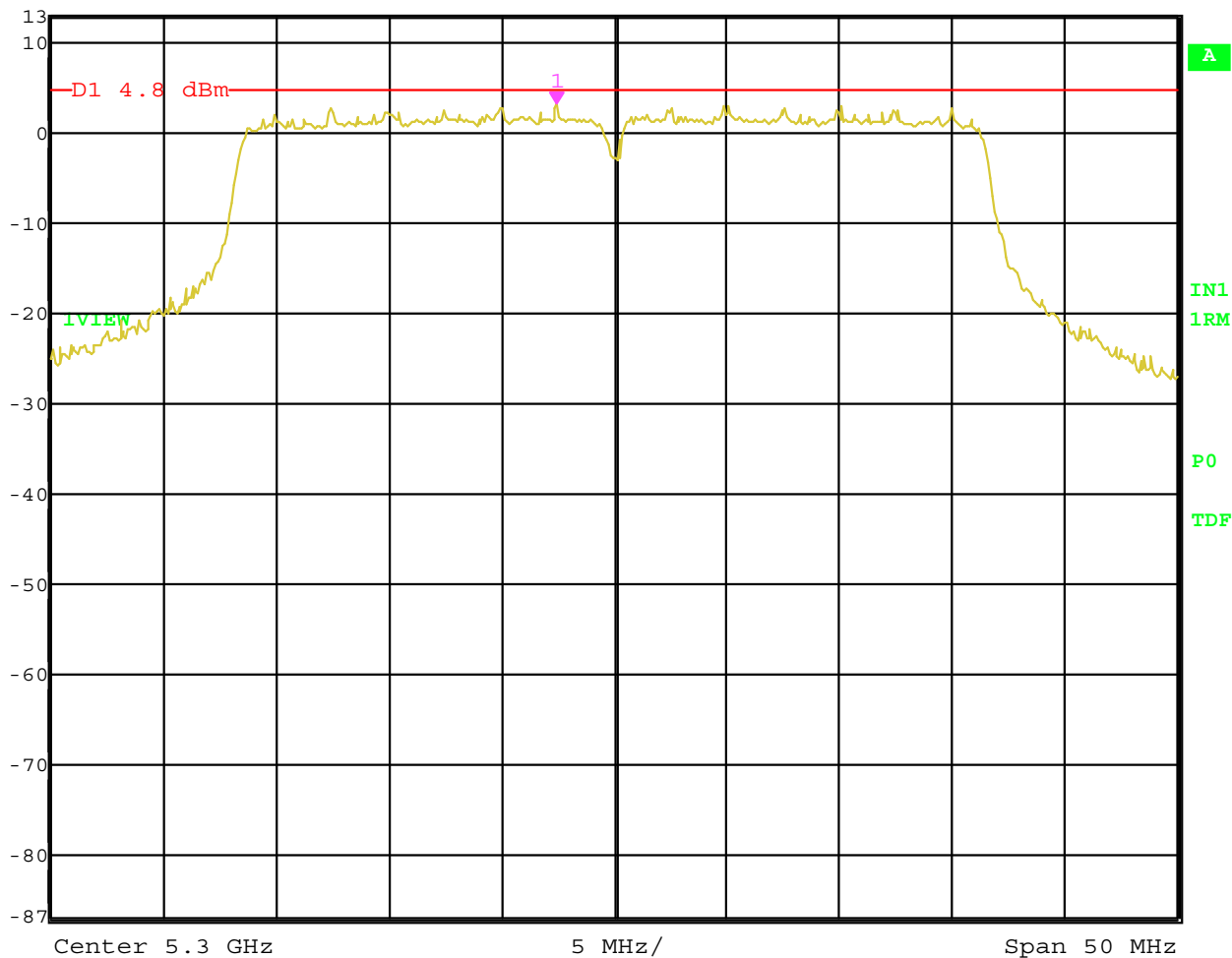


Date: 31.MAR.2005 12:06:00

PPSD – Channel 64 – Small Antenna – RSS-210 Method



Ref Lvl 13 dBm
Marker 1 [T1] 3.18 dBm
5.29744489 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

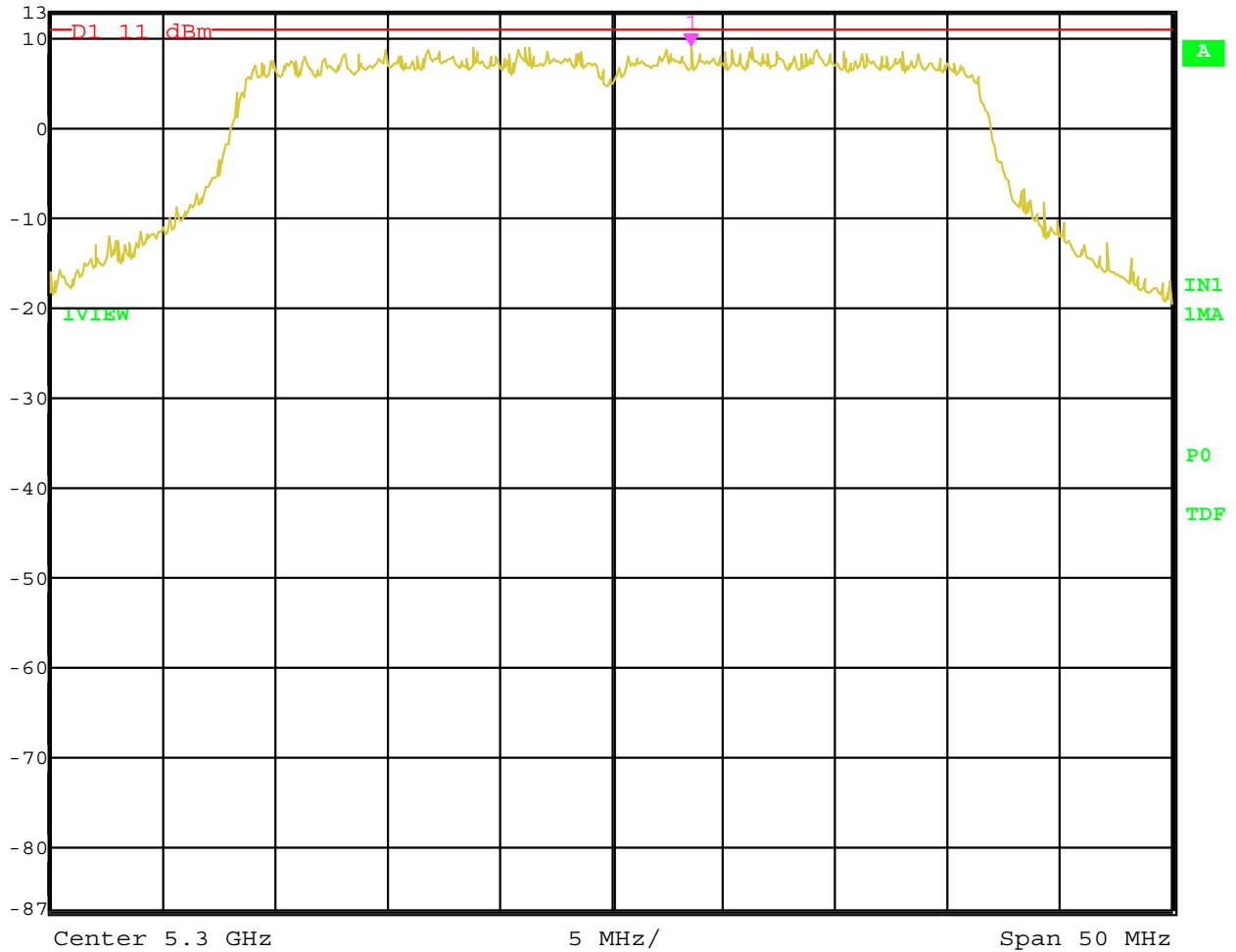


Date: 3.JUN.2005 14:04:04

PPSD – Channel 60 – Small Antenna – Turbo Mode – FCC Method



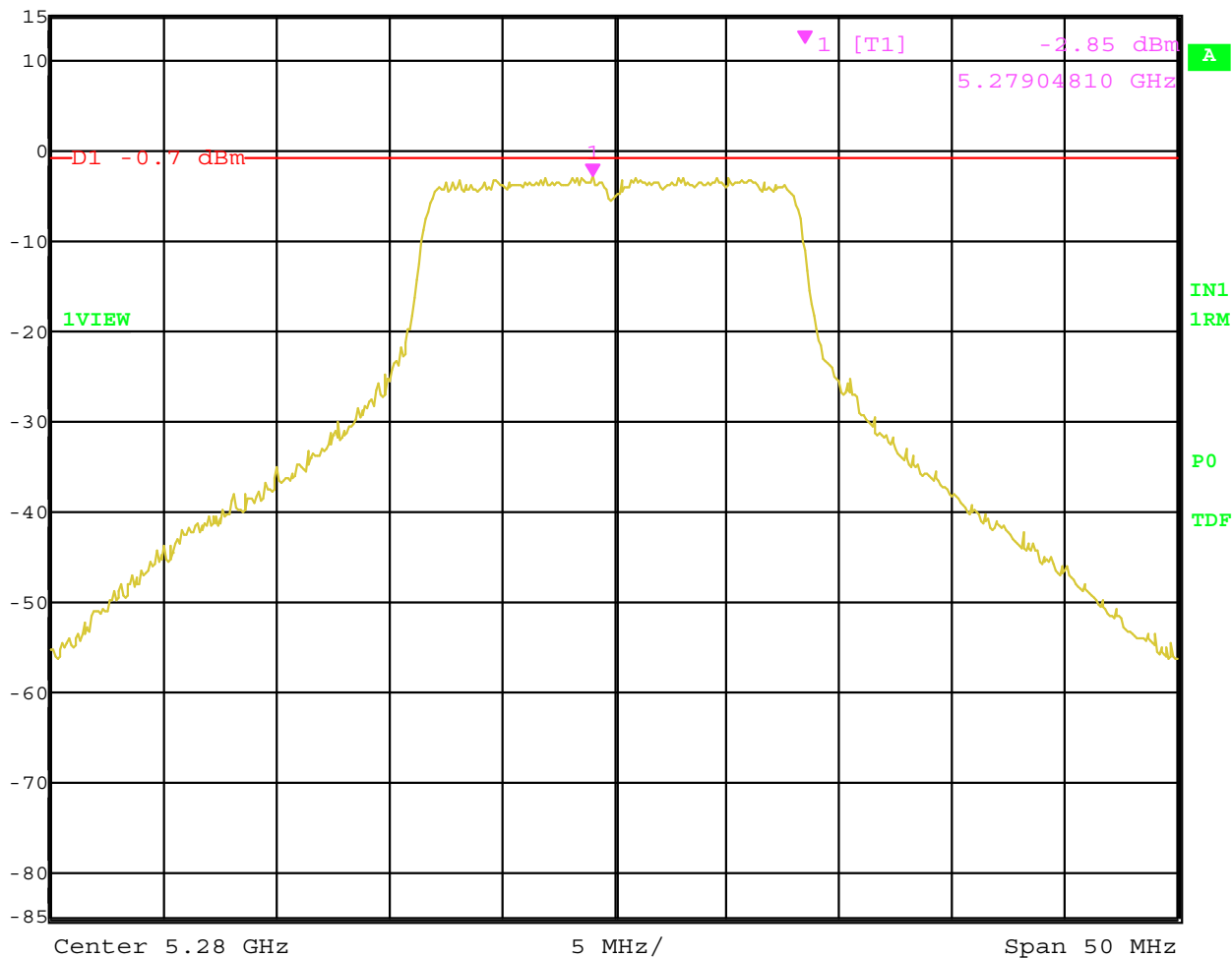
Ref Lvl 13 dBm Marker 1 [T1] 9.07 dBm RBW 1 MHz RF Att 30 dB
5.30355711 GHz VBW 1 MHz Unit dBm
SWT 5 ms



Date: 3.JUN.2005 14:02:33
PPSD – Channel 60 – Small Antenna – Turbo Mode – RSS-210 Method



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
15 dBm	-2.85 dBm	VBW	3 MHz		
	5.27904810 GHz	SWT	5 ms	Unit	dBm

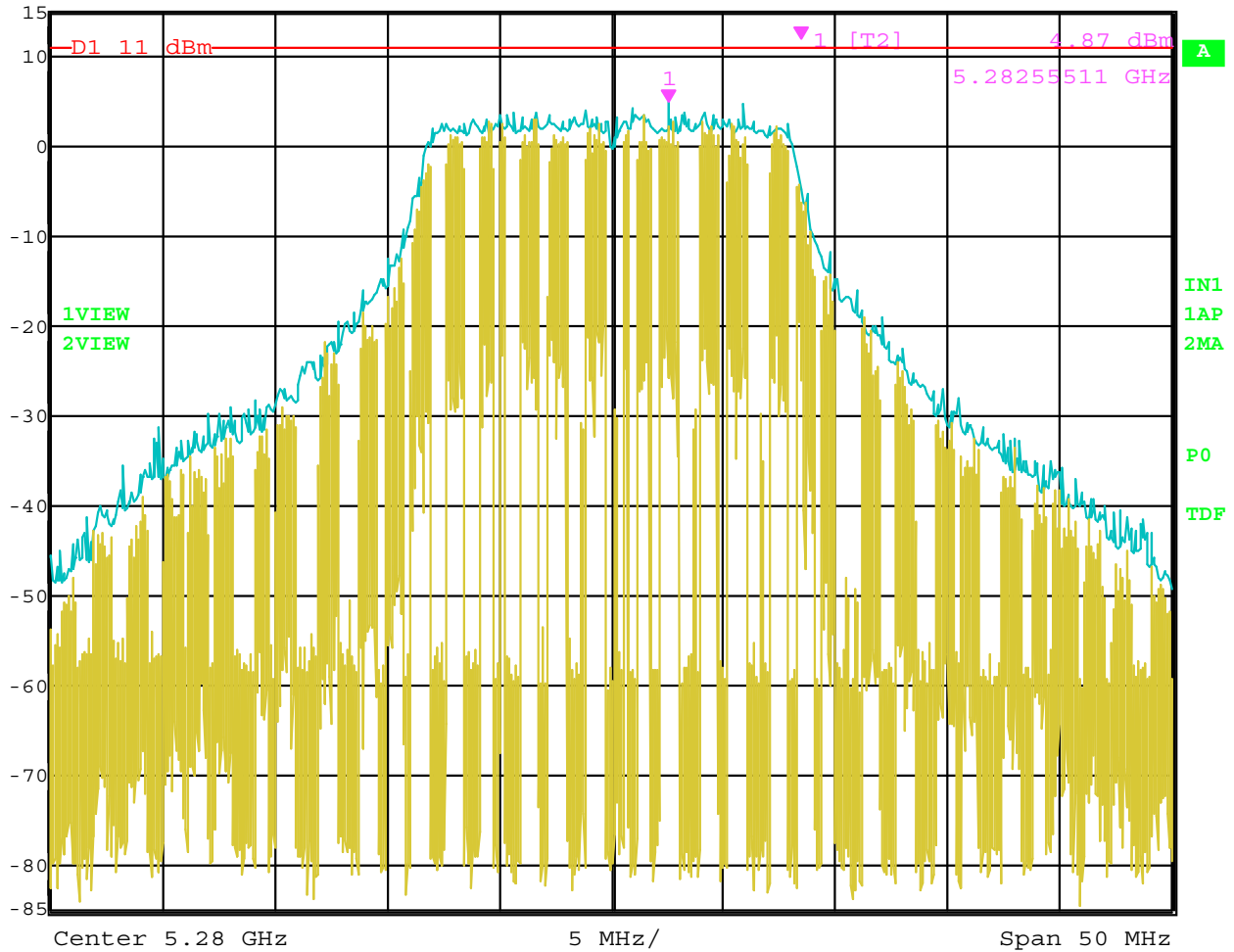


Date: 31.MAR.2005 14:29:17

PPSD - Channel 56 - Patch Antenna - FCC Method



Ref Lvl	Marker 1 [T2]	RBW	1 MHz	RF Att	30 dB
15 dBm	4.87 dBm	VBW	1 MHz		
	5.28255511 GHz	SWT	5 ms	Unit	dBm

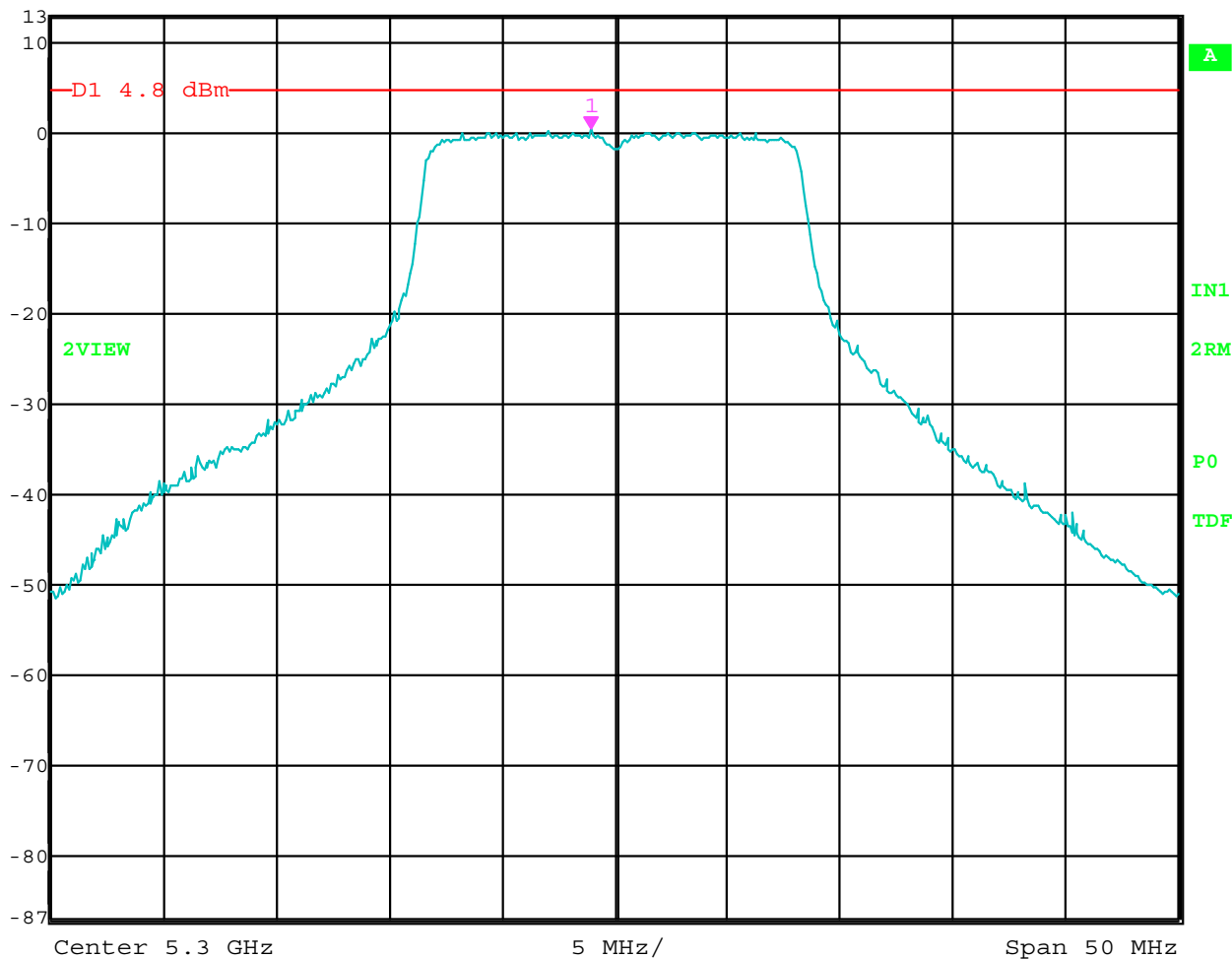


Date: 31.MAR.2005 14:33:07

PPSD – Channel 56 – Patch Antenna – RSS-210 Method



Ref Lvl 13 dBm
Marker 1 [T2] 0.41 dBm
5.29894790 GHz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

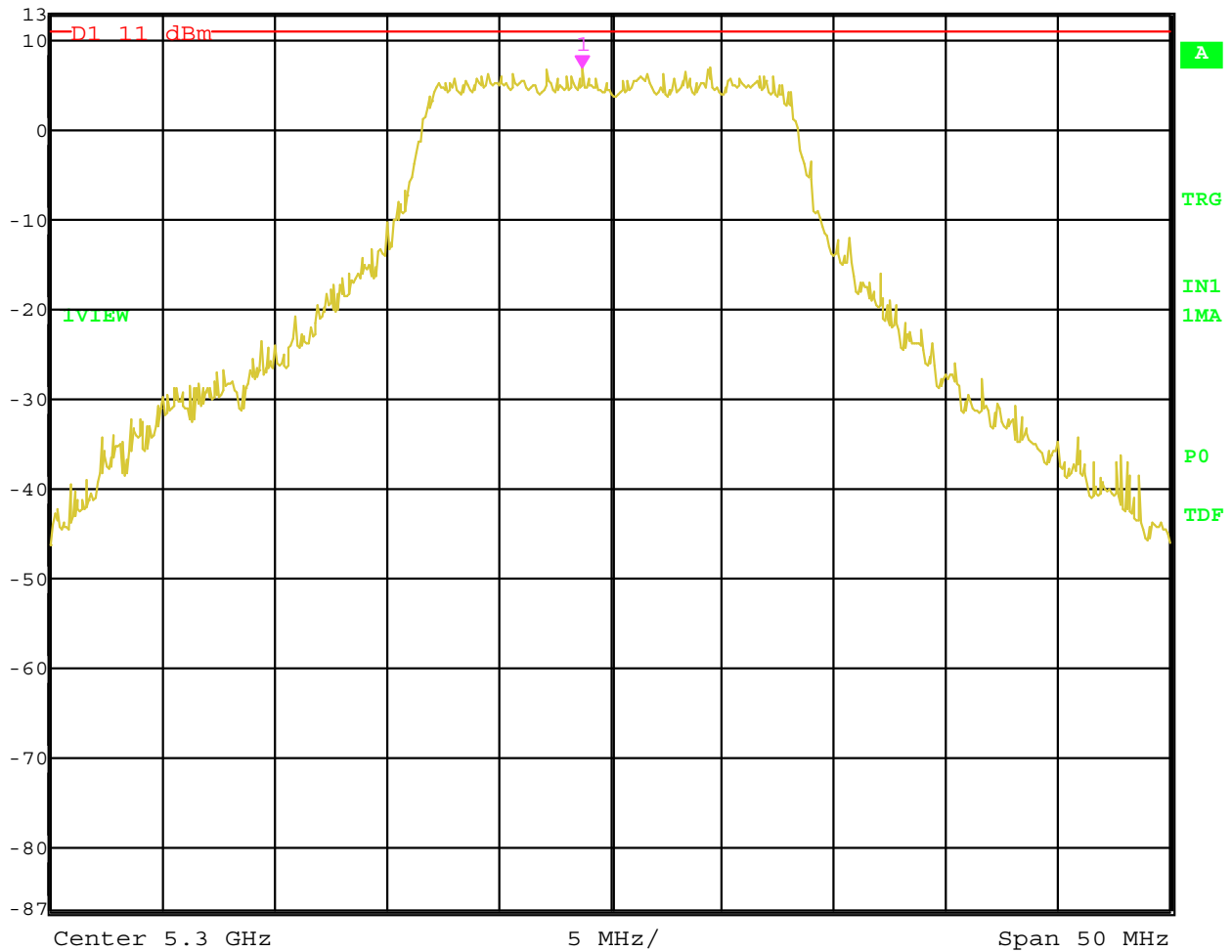


Date: 3.JUN.2005 11:09:55

PPSD – Channel 60 – Patch Antenna – FCC Method



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
13 dBm	6.77 dBm	VBW	1 MHz		
	5.29874749 GHz	SWT	5 ms	Unit	dBm

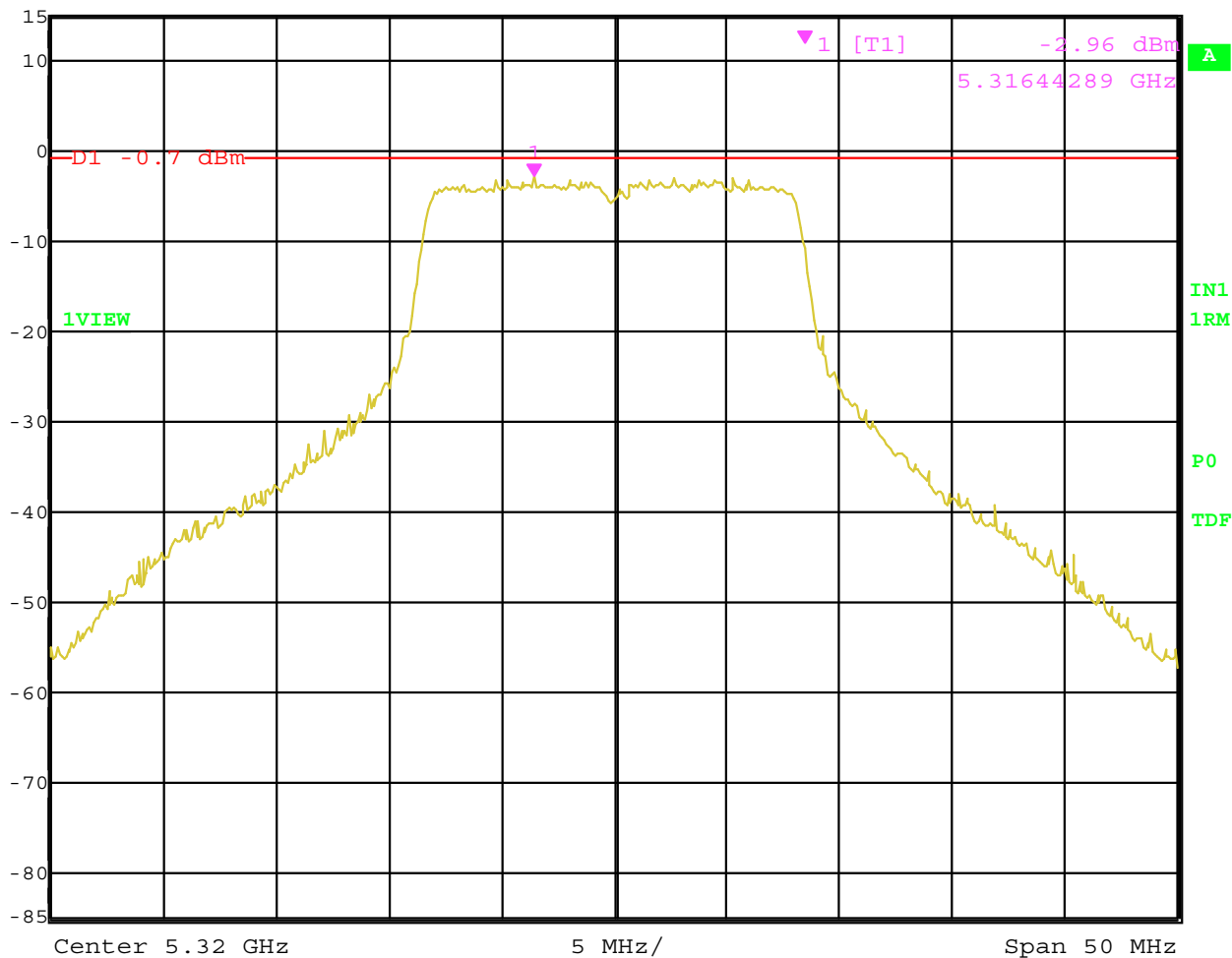


Date: 3.JUN.2005 11:25:17

PPSD – Channel 60 – Patch Antenna – RSS-210 Method



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
15 dBm	-2.96 dBm	VBW	3 MHz		
	5.31644289 GHz	SWT	5 ms	Unit	dBm

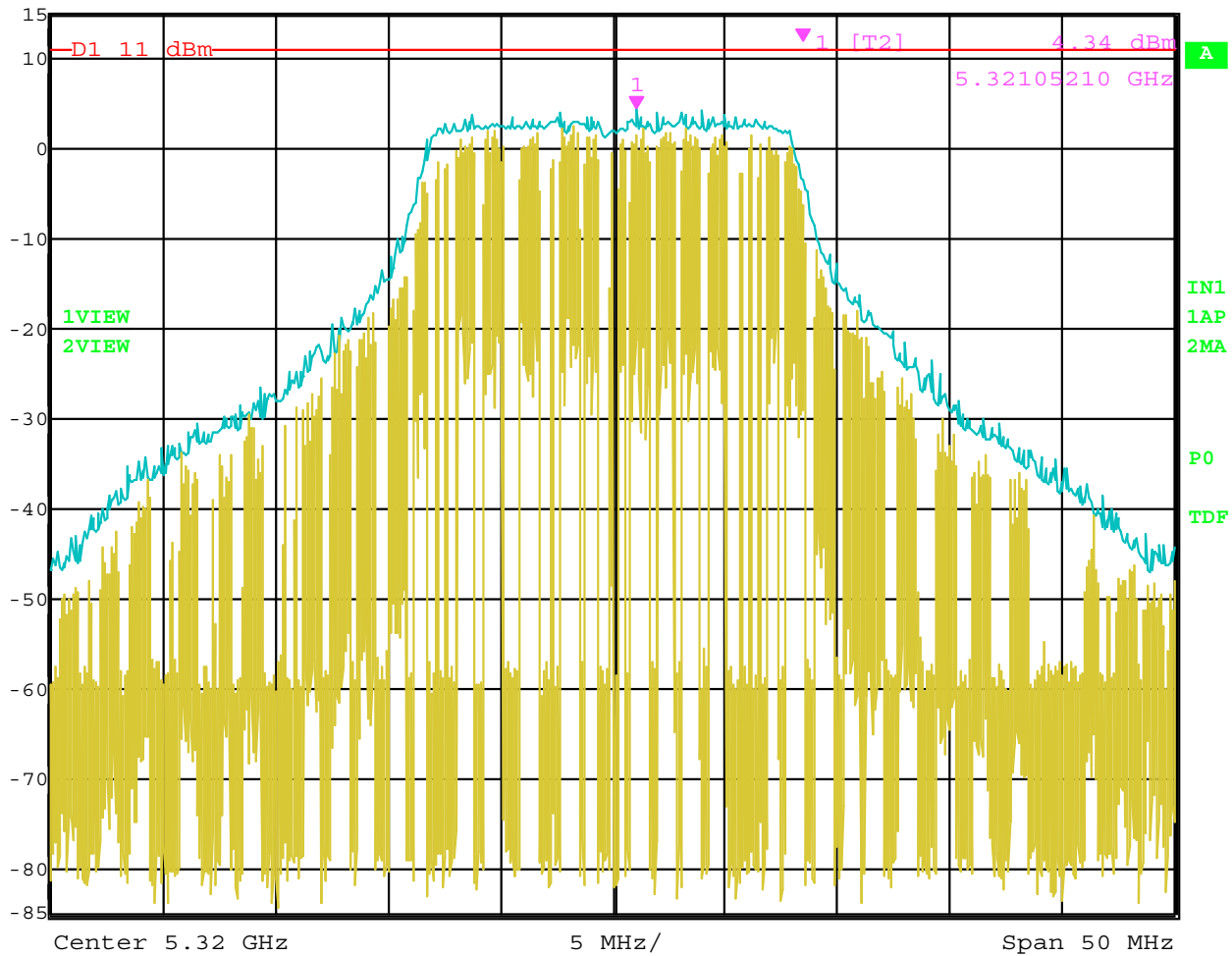


Date: 31.MAR.2005 14:38:47

PPSD – Channel 64 – Patch Antenna – FCC Method



Ref Lvl 15 dBm
Marker 1 [T2] 4.34 dBm
5.32105210 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

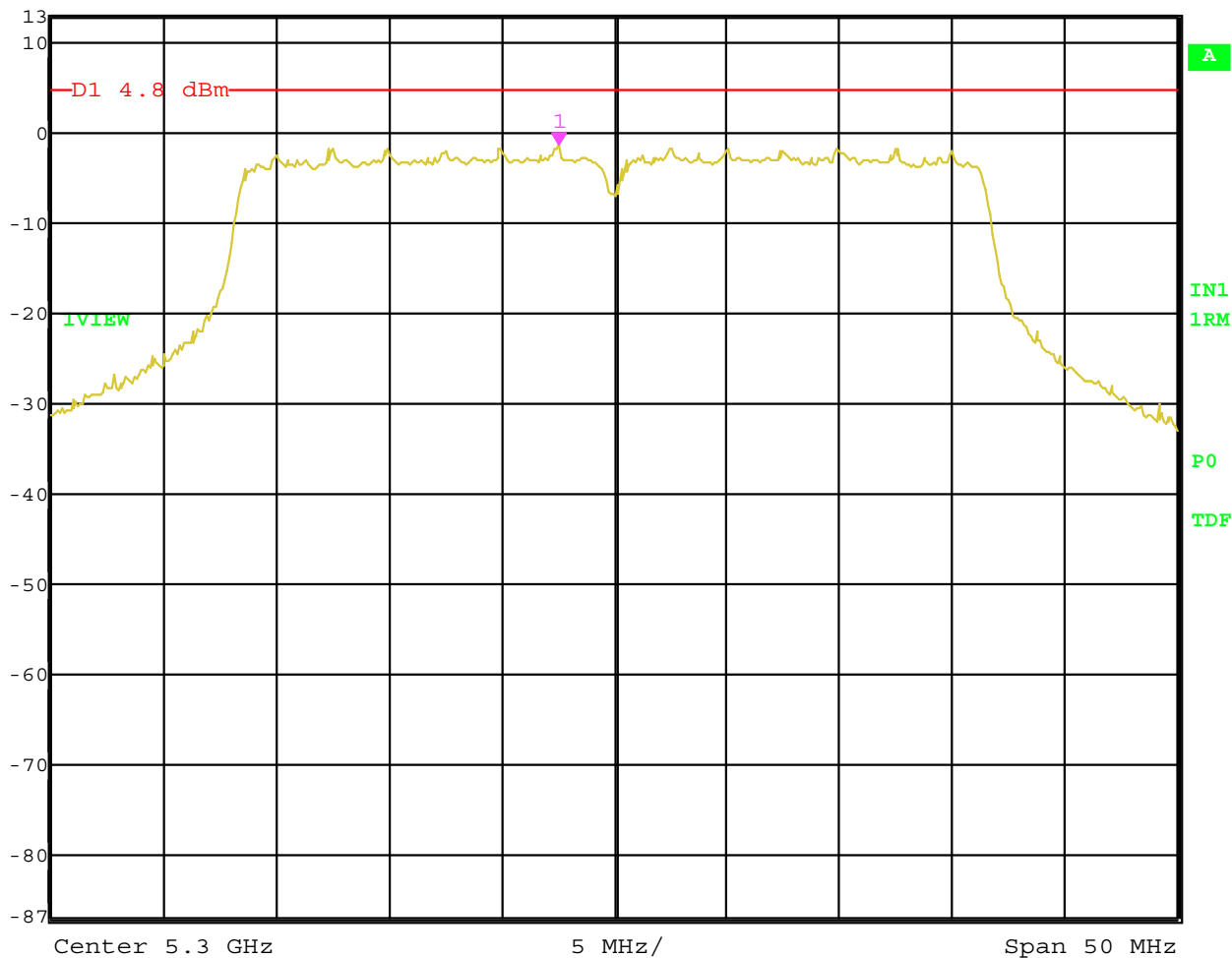


Date: 31.MAR.2005 14:37:14

PPSD – Channel 64 – Patch Antenna – RSS-210 Method



Ref Lvl 13 dBm Marker 1 [T1] RBW 1 MHz RF Att 30 dB
-1.43 dBm VBW 3 MHz
5.29754509 GHz SWT 5 ms Unit dBm

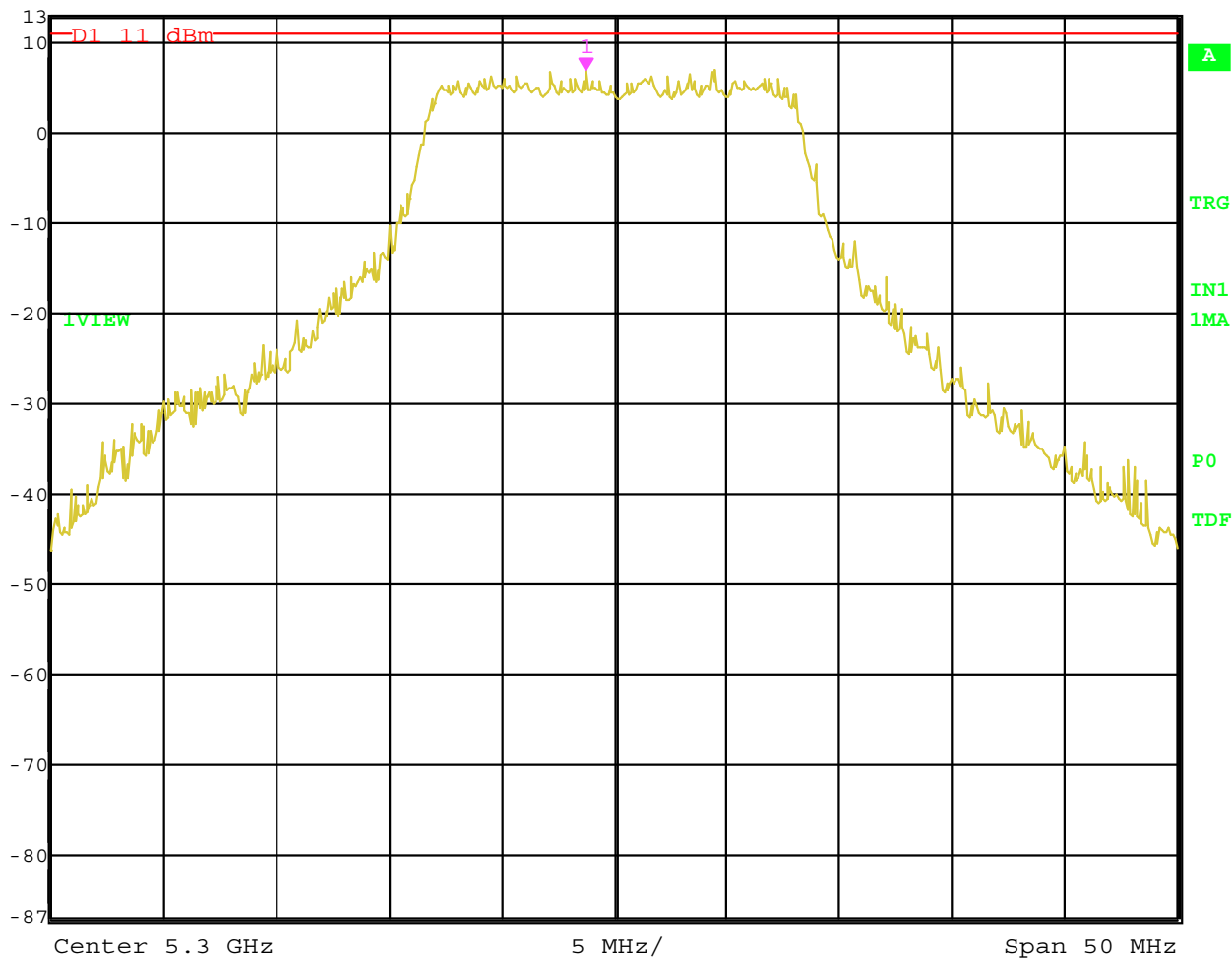


Date: 3.JUN.2005 13:24:02

PPSD – Channel 60 – Patch Antenna – Turbo Mode – FCC Method



Ref Lvl	Marker 1 [T1]	RBW	1 MHz	RF Att	30 dB
13 dBm	6.77 dBm	VBW	1 MHz		
	5.29874749 GHz	SWT	5 ms	Unit	dBm



Date: 3.JUN.2005 11:25:17

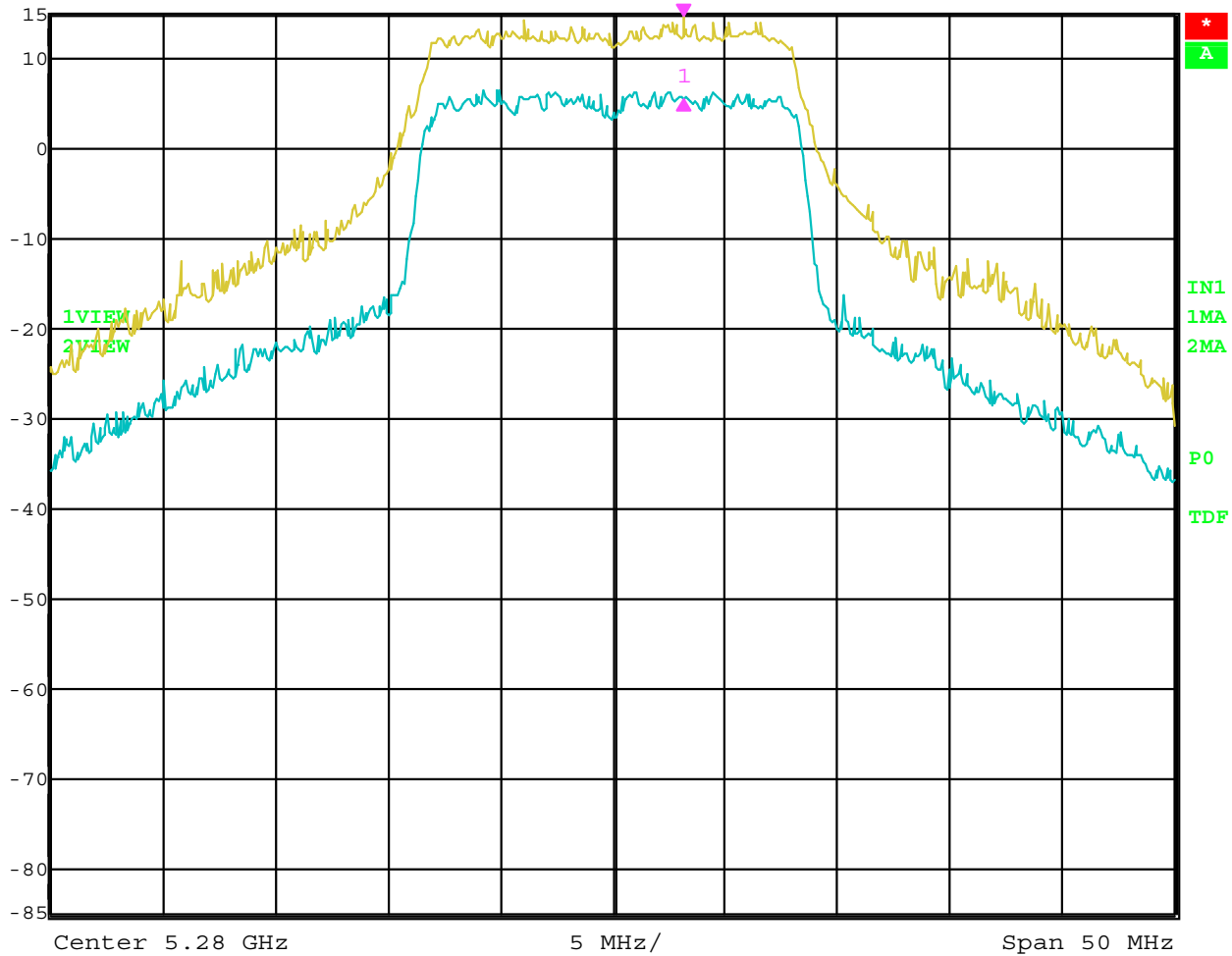
PPSD – Channel 60 – Patch Antenna – Turbo Mode – RSS-210 Method

PEAK EXCURSION

DATA SHEETS



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -9.18 dB VBW 3 MHz
15 dBm 0.00000000 Hz SWT 5 ms Unit dBm

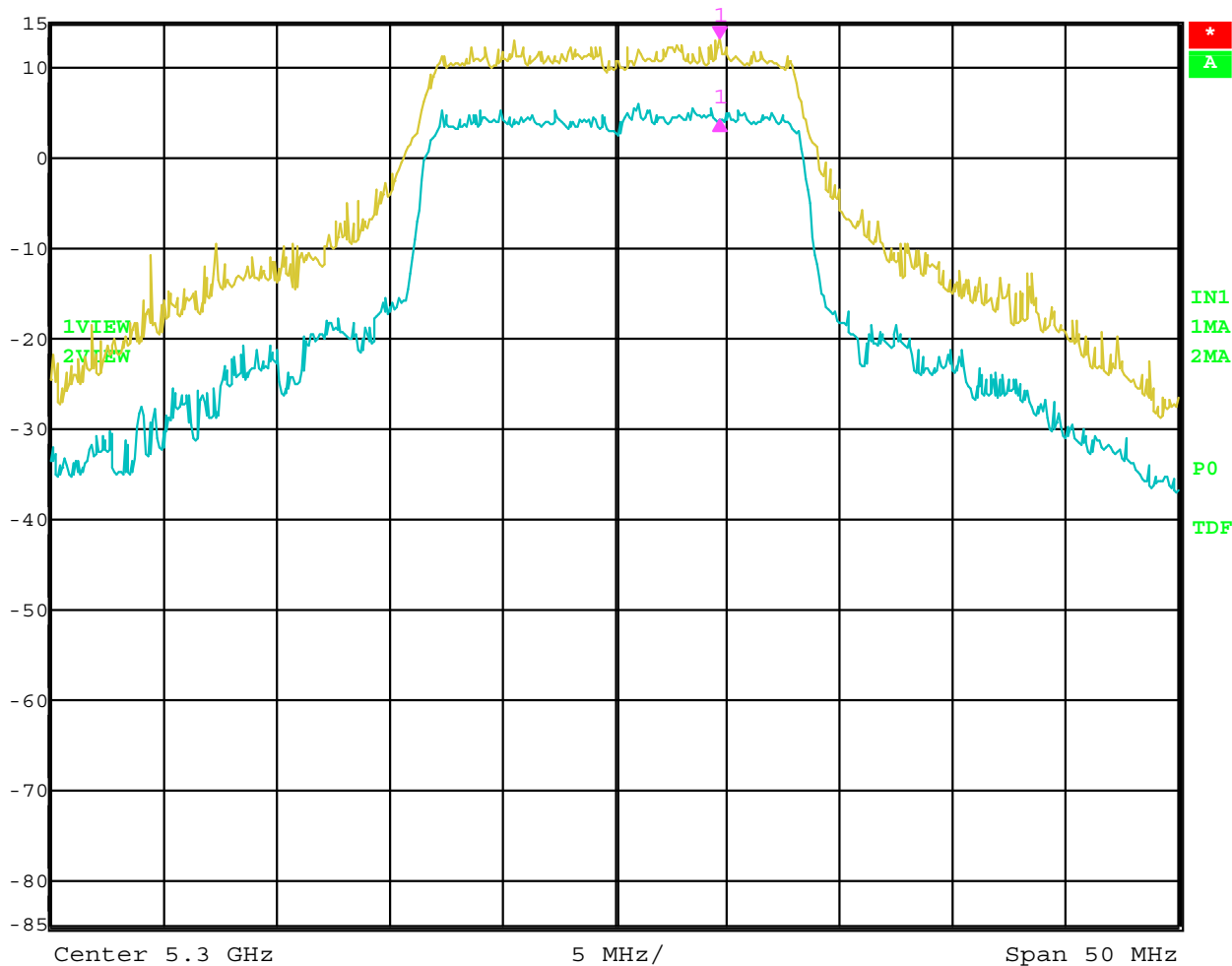


Date: 12.MAY.2005 14:03:40

Peak Excursion – Channel 56 – Small Antenna



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -8.85 dB VBW 3 MHz
15 dBm 0.00000000 Hz SWT 5 ms Unit dBm

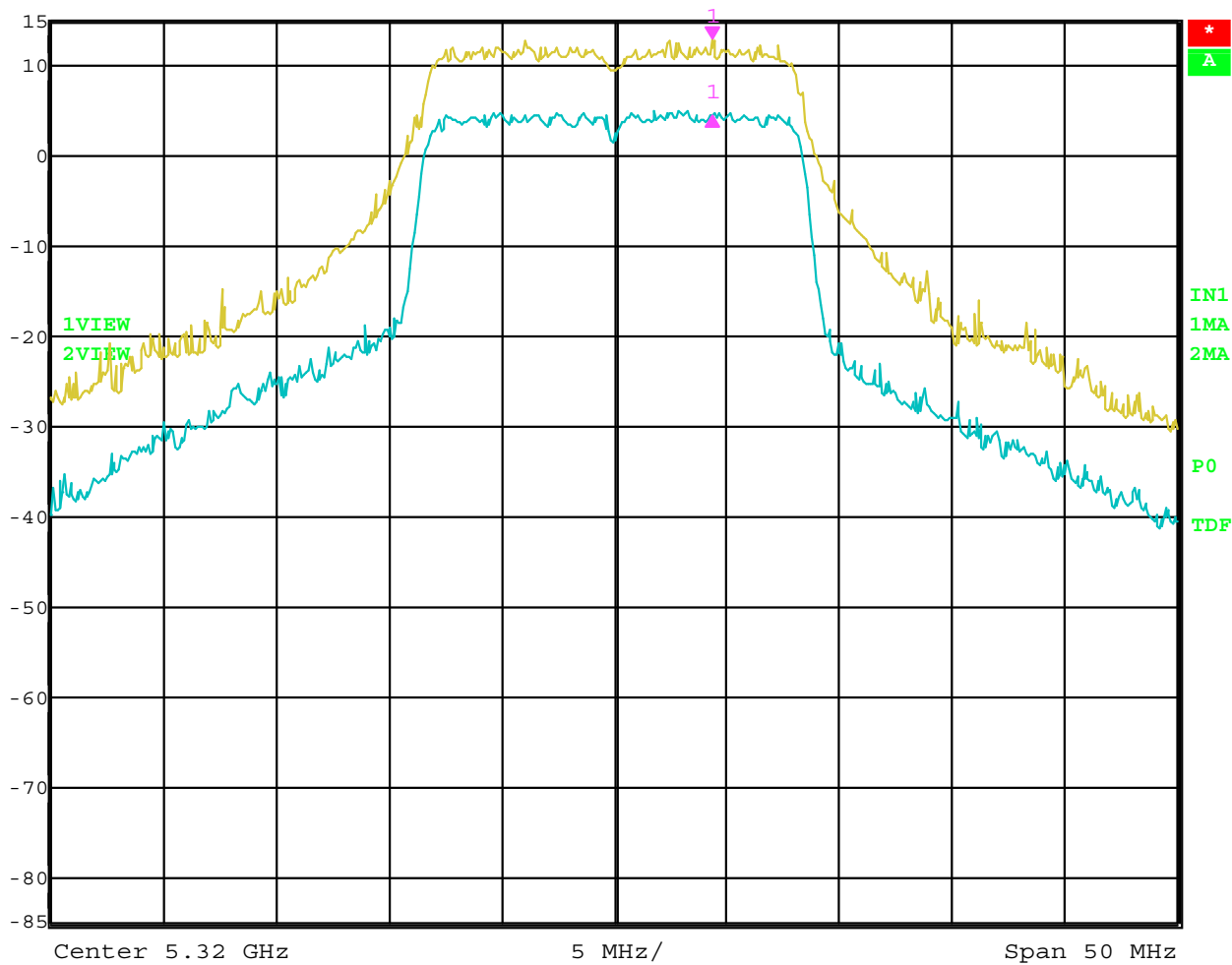


Date: 3.JUN.2005 15:08:57

Peak Excursion – Channel 60 – Small Antenna



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -8.36 dB VBW 3 MHz
15 dBm 0.00000000 Hz SWT 5 ms Unit dBm

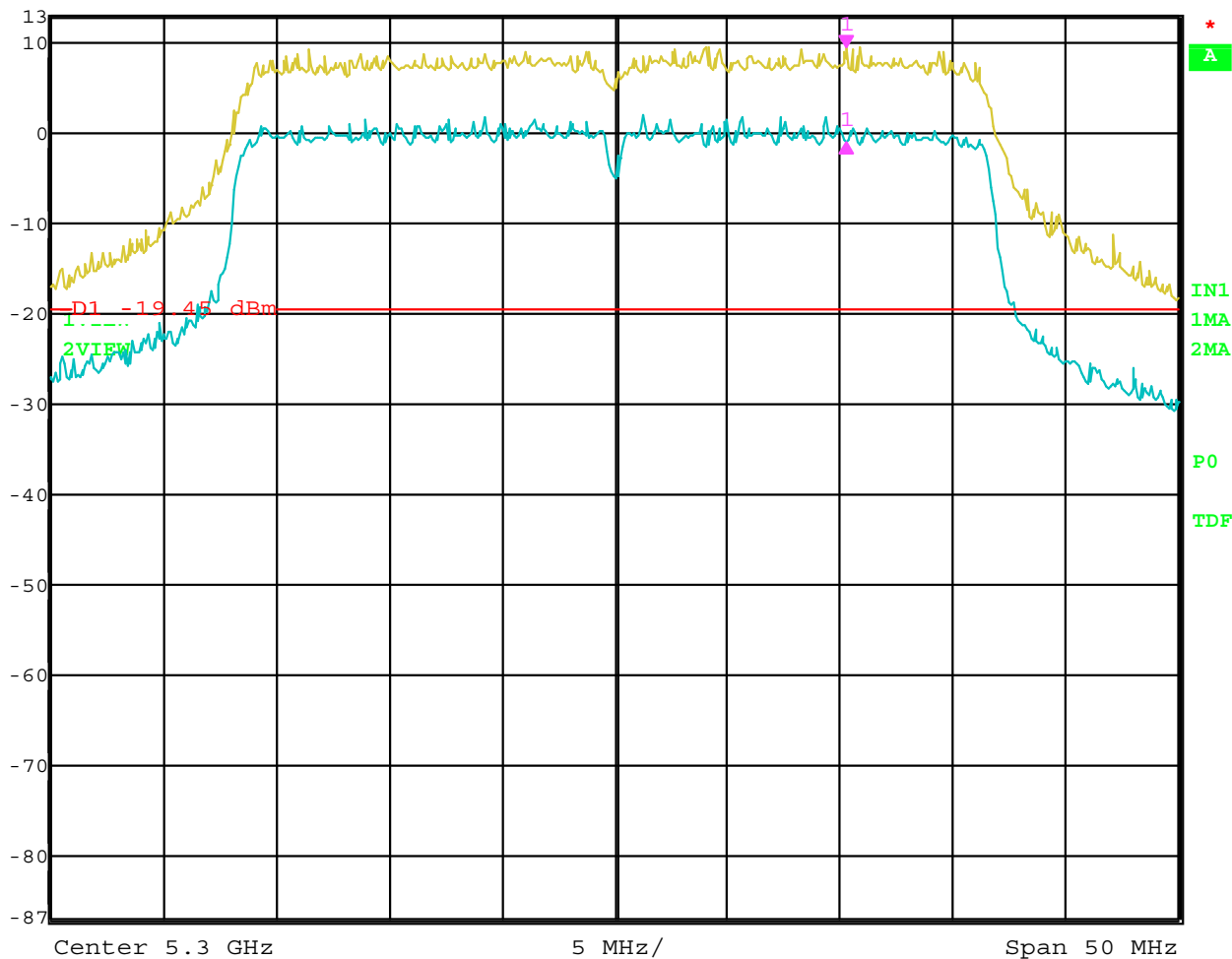


Date: 12.MAY.2005 14:10:51

Peak Excursion – Channel 64 – Small Antenna



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -10.55 dB VBW 3 MHz
13 dBm 0.00000000 Hz SWT 5 ms Unit dBm

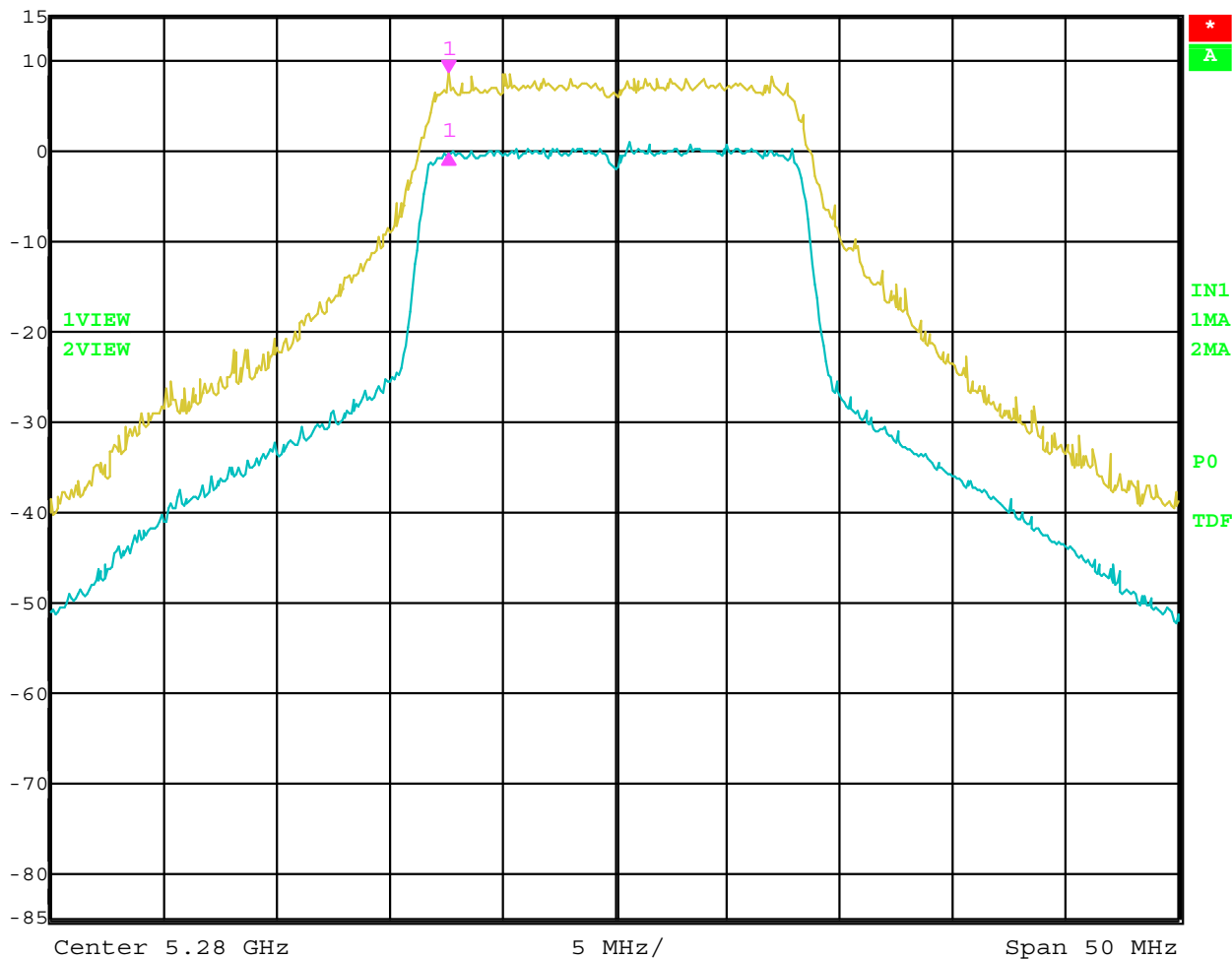


Date: 3.JUN.2005 14:26:50

Peak Excursion – Channel 60 – Small Antenna - Turbo Mode



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -9.12 dB VBW 3 MHz
15 dBm 0.00000000 Hz SWT 5 ms Unit dBm

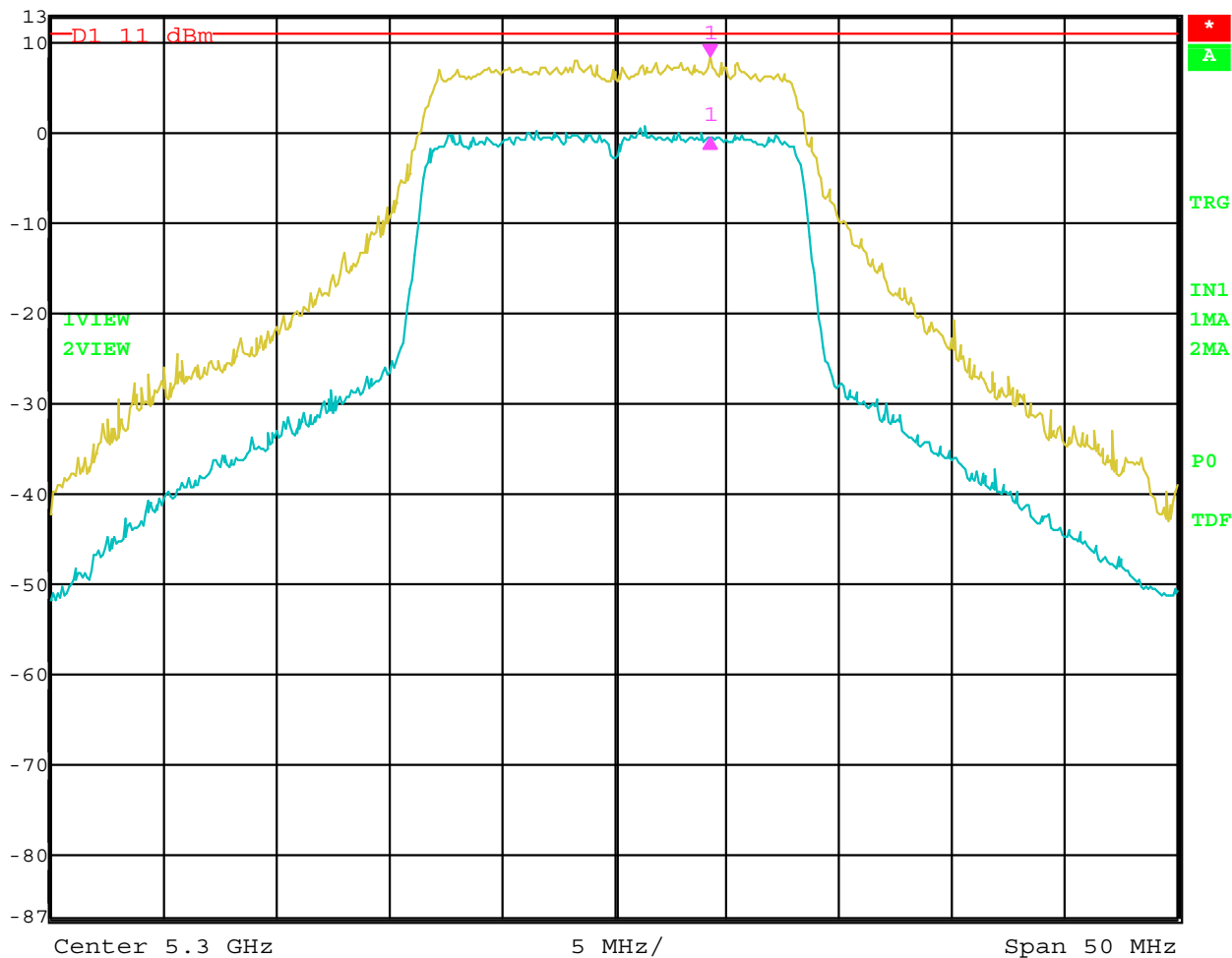


Date: 12.MAY.2005 15:16:02

Peak Excursion – Channel 56 – Patch Antenna



Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -8.85 dB VBW 3 MHz
13 dBm 0.00000000 Hz SWT 5 ms Unit dBm

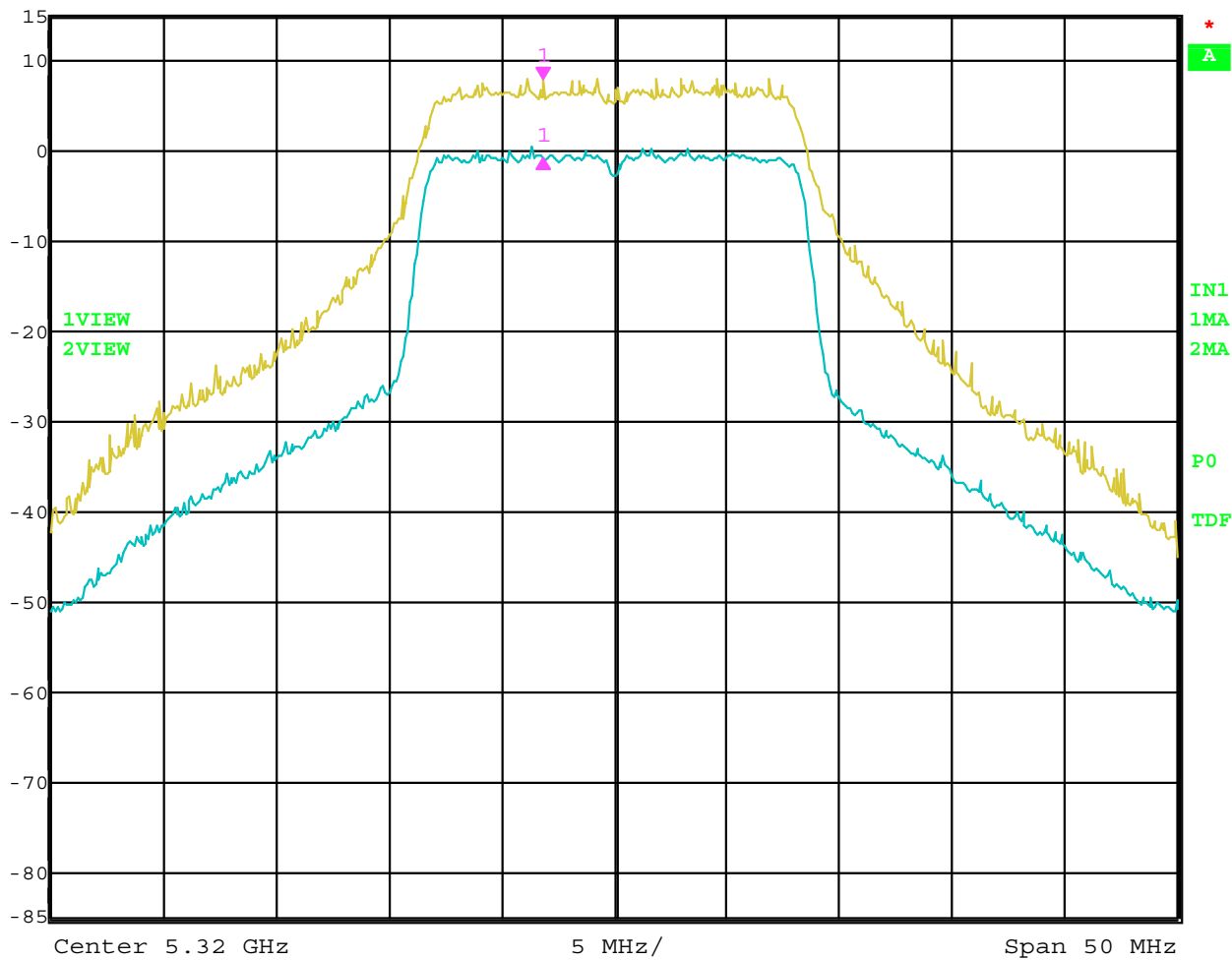


Date: 3.JUN.2005 11:27:03

Peak Excursion – Channel 60 – Patch Antenna



Ref Lvl 15 dBm
Delta 1 [T2] -8.75 dB
0.00000000 Hz
RBW 1 MHz
VBW 3 MHz
SWT 5 ms
RF Att 30 dB
Unit dBm

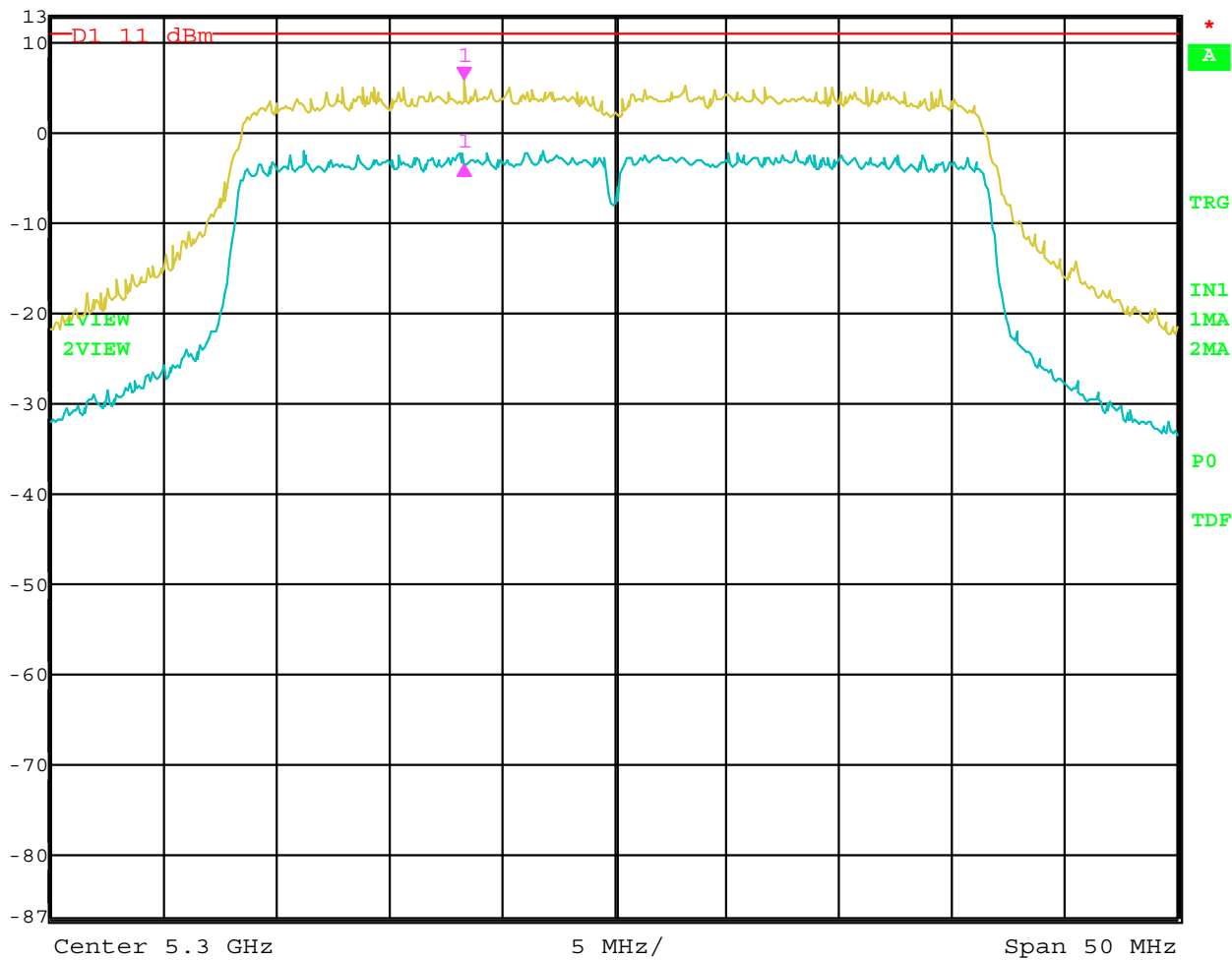


Date: 12.MAY.2005 15:19:23

Peak Excursion – Channel 64 – Patch Antenna

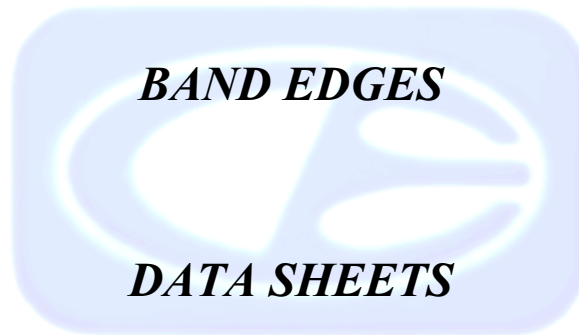


Delta 1 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl -9.38 dB VBW 3 MHz
13 dBm 0.00000000 Hz SWT 5 ms Unit dBm



Date: 3.JUN.2005 13:08:11

Peak Excursion – Channel 60 – Turbo Mode – Patch Antenna



FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 5/20/05 and 6/03/05

Lab: B

Tested By: Kyle Fujimoto

Channel 56 - UNII Mode

Channel 64 - UNII Mode

Transmit Mode with Small Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5280	115.34	V	--	--	Peak	2.47	180	Fundamental - Channel 36
5250	73.56	V	88.3	-14.74	Peak	2.47	180	Band Edge Channel 36
5250	66.69	V	68.3	-1.61	Avg	2.47	180	Band Edge Channel 36
5320	112.14	V	--	--	Peak	2.56	225	Fundamental - Channel 64
5350	65.42	V	74	-8.58	Peak	2.56	225	Band Edge Channel 64
5350	50.58	V	54	-3.42	Avg	2.56	225	Band Edge Channel 64

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 5/20/05 and 6/03/05

Lab: B

Tested By: Kyle Fujimoto

Channel 56 - UNII Mode

Channel 64 - UNII Mode

Transmit Mode with Small Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5280	98.62	H	--	--	Peak	2.14	135	Fundamental - Channel 36
5250	62.43	H	88.3	-25.87	Peak	2.14	135	Band Edge Channel 36
5250	55.58	H	68.3	-12.72	Avg	2.14	135	Band Edge Channel 36
5320	95.12	H	--	--	Peak	2.56	225	Fundamental - Channel 64
5350	50.95	H	74	-23.05	Peak	2.56	225	Band Edge Channel 64
5350	38.92	H	54	-15.08	Avg	2.56	225	Band Edge Channel 64

FCC Subpart E and FCC 15.247

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 3-29-05 and 6-03-05

Lab: B

Tested By: Kyle Fujimoto

Fundamental 5300 MHz

Fundamental 5765 MHz

Fundamental 5805 MHz

Transmit Mode - Turbo Mode - Small Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5300	109.97	V	--	--	Peak	1.98	180	Fundamental - 5300 MHz
5250	71.29	V	88.3	-17.01	Peak	1.98	180	Band Edge
5250	61.17	V	68.3	-7.13	Avg	1.98	180	Band Edge
5351.8	57.68	V	74	-16.32	Peak	1.98	180	Band Edge
5350	49.2	V	54	-4.8	Avg	1.98	180	Band Edge
5765	111.41	V	--	--	Peak	2.06	180	Fundamental -- 5765 MHz
5805	111.9	V	--	--	Peak	2.04	180	Fundamental -- 5805 MHz

FCC Subpart E and FCC 15.247

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 3-29-05 and 6-03-05

Lab: B

Tested By: Kyle Fujimoto

Fundamental 5300 MHz

Fundamental 5765 MHz

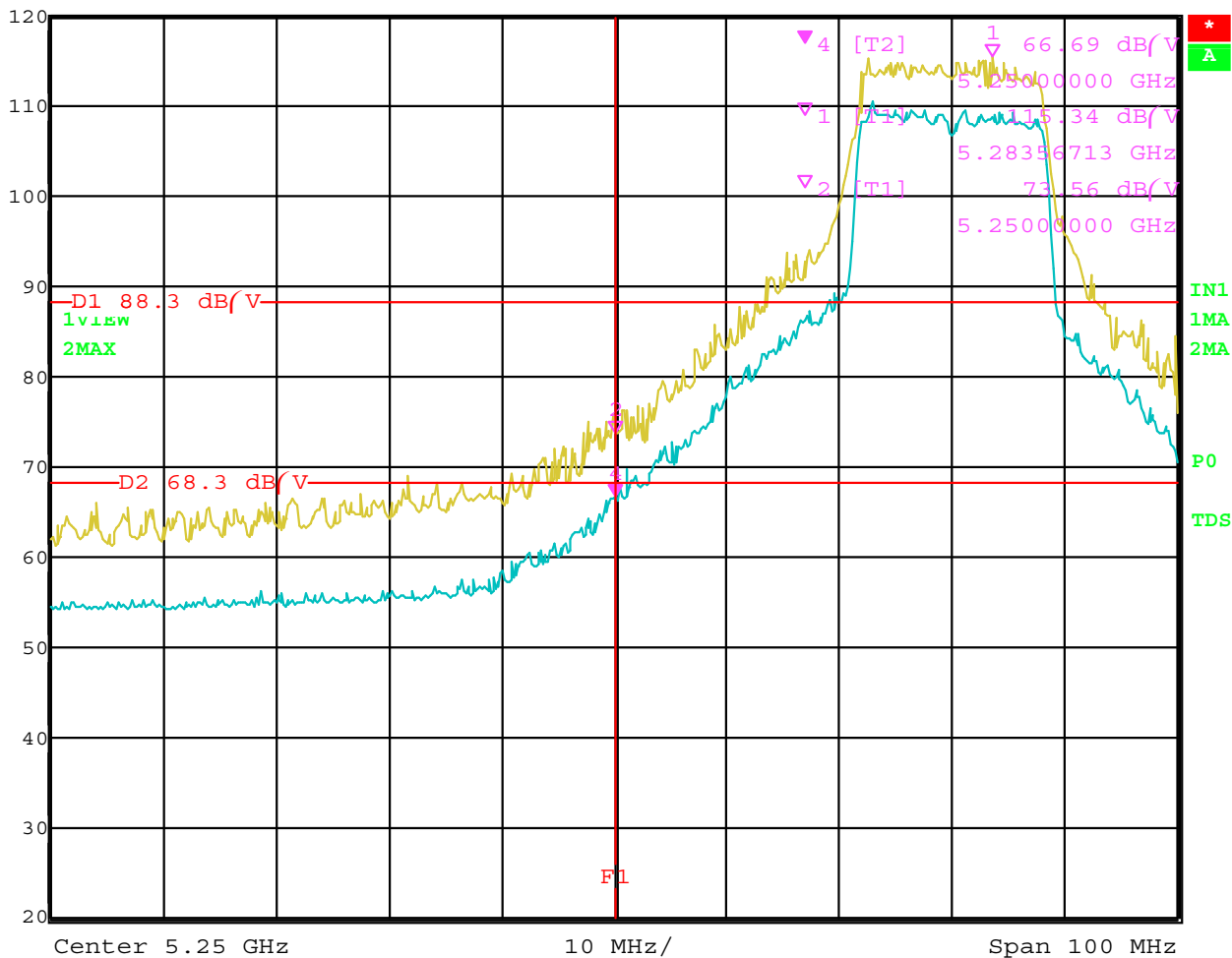
Fundamental 5805 MHz

Transmit Mode - Turbo Mode - Small Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5300	95.25	H	--	--	Peak	3.23	225	Fundamental - 5300 MHz
5250	56.29	H	74	-17.71	Peak	3.23	225	Band Edge
5250	49.8	H	54	-4.2	Avg	3.23	225	Band Edge
5350	51.09	H	74	-22.91	Peak	3.23	225	Band Edge
5350	45.09	H	54	-8.91	Avg	3.23	225	Band Edge
5765	98.82	H	--	--	Peak	3.21	225	Fundamental -- 5765 MHz
5805	96.63	H	--	--	Peak	3.21	225	Fundamental -- 5805 MHz



Ref Lvl 120 dB/V
Marker 4 [T2] 66.69 dB/V
5.25000000 GHz
RBW 1 MHz RF Att 30 dB
VBW 30 kHz
SWT 8.5 ms Unit dB/V

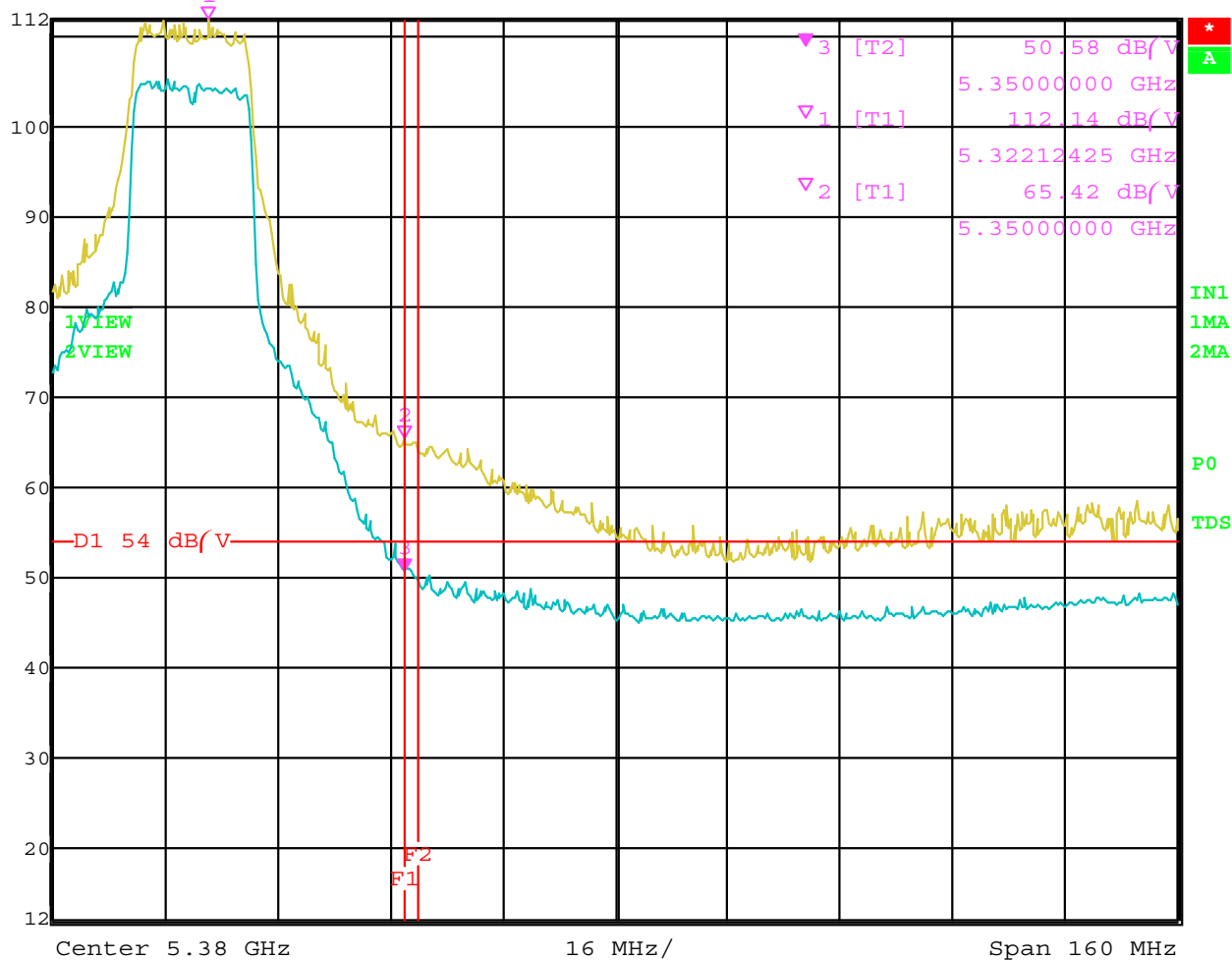


Date: 3.JUN.2005 10:19:53

Band Edge – Channel 56 – Small Antenna – Vertical Polarization (Worst Case)



Ref Lvl 112 dB/V
Marker 3 [T2] 50.58 dB/V
RBW 1 MHz
VBW 30 kHz
SWT 13.5 ms
RF Att 20 dB
Unit dB/V

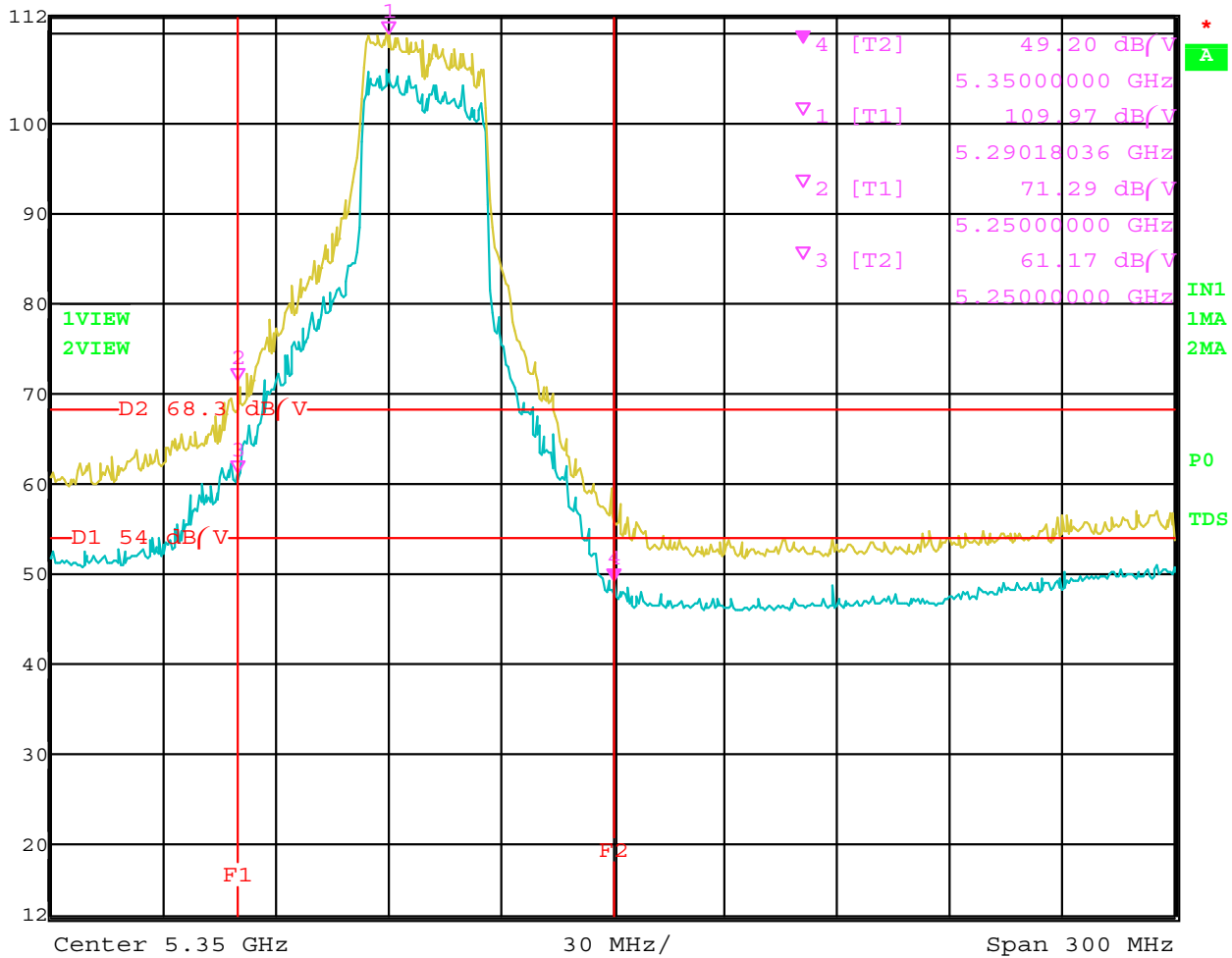


Date: 20.MAY.2005 11:42:32

Band Edge – Channel 64 – Small Antenna – Vertical Polarization (Worst Case)



Ref Lvl 112 dB/V
Marker 4 [T2] 49.20 dB/V
5.35000000 GHz
RBW 1 MHz
VBW 50 kHz
SWT 15 ms
RF Att 20 dB
Unit dB/V

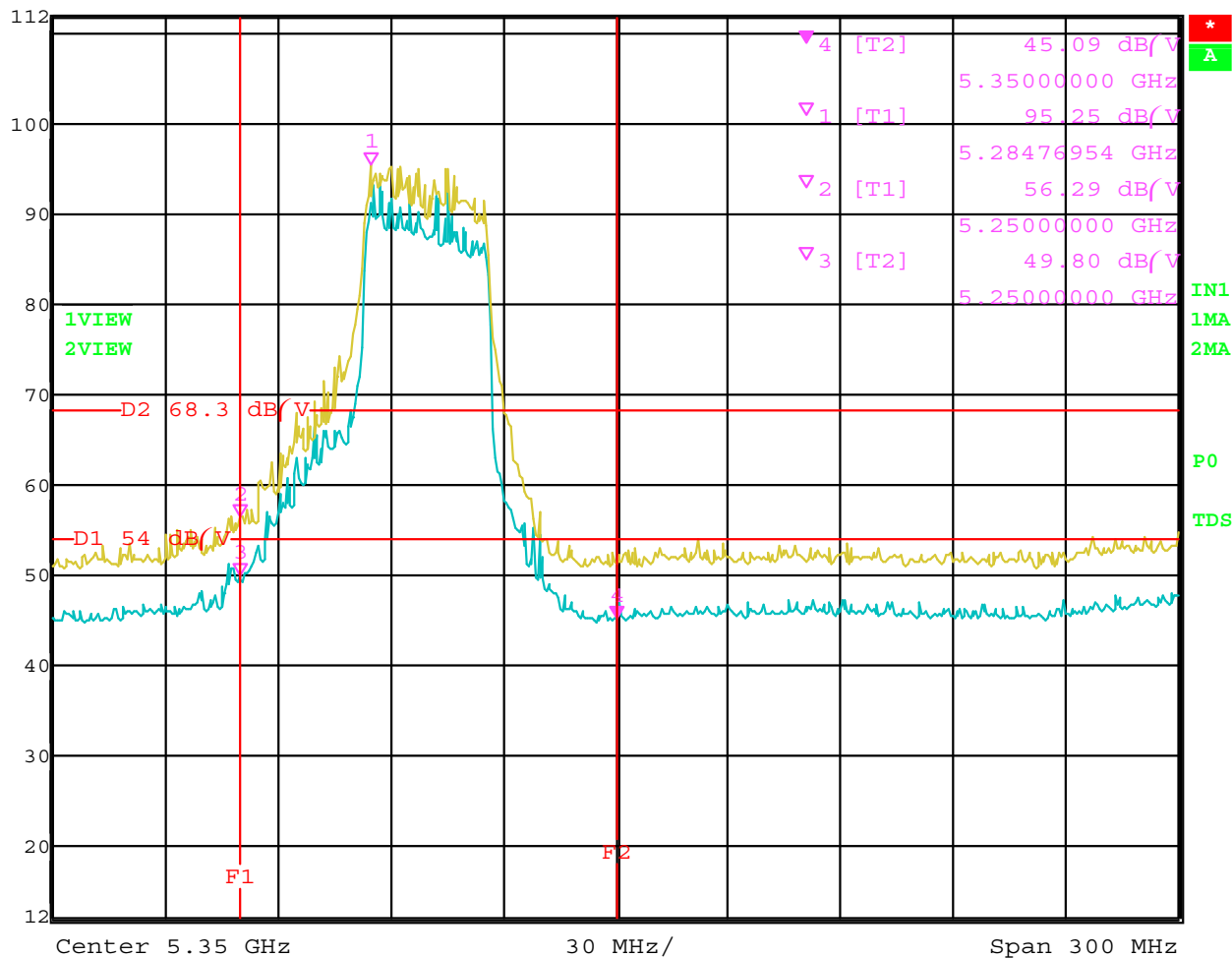


Date: 3.JUN.2005 08:55:39

Band Edge – 5300 MHz Fundamental – Turbo Mode – Vertical Polarization – Small Antenna



Ref Lvl 112 dB/V
Marker 4 [T2] 45.09 dB/V
5.35000000 GHz
RBW 1 MHz
VBW 50 kHz
SWT 15 ms
RF Att 20 dB
Unit dB/V



Date: 3.JUN.2005 09:09:09

Band Edge – 5300 MHz Fundamental – Turbo Mode – Horizontal Polarization – Small Antenna

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 5/20/05
Lab: B
Tested By: Kyle Fujimoto

Channel 56 - UNII Mode**Channel 64 - UNII Mode****Transmit Mode with Patch Antenna**

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5280	116.24	V	--	--	Peak	2.07	225	Fundamental - Channel 56
5250	77.75	V	88.3	-10.55	Peak	2.07	225	Band Edge Channel 56
5250	66.8	V	68.3	-1.5	Avg	2.07	225	Band Edge Channel 56
5320	114.46	V	--	--	Peak	2.56	225	Fundamental - Channel 64
5350	67.64	V	74	-6.36	Peak	2.15	225	Band Edge Channel 64
5350	52.11	V	54	-1.89	Avg	2.15	225	Band Edge Channel 64

FCC Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Date: 5/20/05
Lab: B
Tested By: Kyle Fujimoto

Channel 56 - UNII Mode**Channel 64 - UNII Mode****Transmit Mode with Patch Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5280	102.55	H	--	--	Peak	2.06	180	Fundamental - Channel 56
5250	60.69	H	88.3	-27.61	Peak	2.06	180	Band Edge Channel 56
5250	49.2	H	68.3	-19.1	Avg	2.06	180	Band Edge Channel 56
5320	101.69	H	--	--	Peak	1.62	135	Fundamental - Channel 64
5453.8	54.36	H	74	-19.64	Peak	1.62	135	Band Edge Channel 64
5350	39.87	H	54	-14.13	Avg	1.62	135	Band Edge Channel 64

FCC 15.247 and Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 3-28-05 and 6-03-05

Lab: B

Tested By: Kyle Fujimoto

Fundamental - 5300 MHz

Fundamental - 5765 MHz

Fundamental - 5805 MHz

Transmit Mode with Patch Antenna - Turbo Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5300	111.48	V	--	--	Peak	2.02	225	Fundamental -- 5300 MHz
5250	67.18	V	88.3	-21.12	Peak	2.02	225	Band Edge
5250	60.01	V	68.3	-8.29	Avg	2.02	225	Band Edge
5357.8	57.31	V	74	-16.69	Peak	2.02	225	Band Edge
5350	49.42	V	54	-4.58	Avg	2.02	225	Band Edge
5765	118.44	V	--	--	Avg	1.71	225	Fundamental - 5765 MHz
5805	116.97	V	--	--	Peak	1.71	225	Fundamental - 5805 MHz

FCC 15.247 and Subpart E

Microtek Electronics, Inc.
Minilink Wireless Ethernet System
Model: Minilink 5.8WES

Dates: 3-28-05 and 6-03-05

Lab: B

Tested By: Kyle Fujimoto

Fundamental - 5300 MHz

Fundamental - 5765 MHz

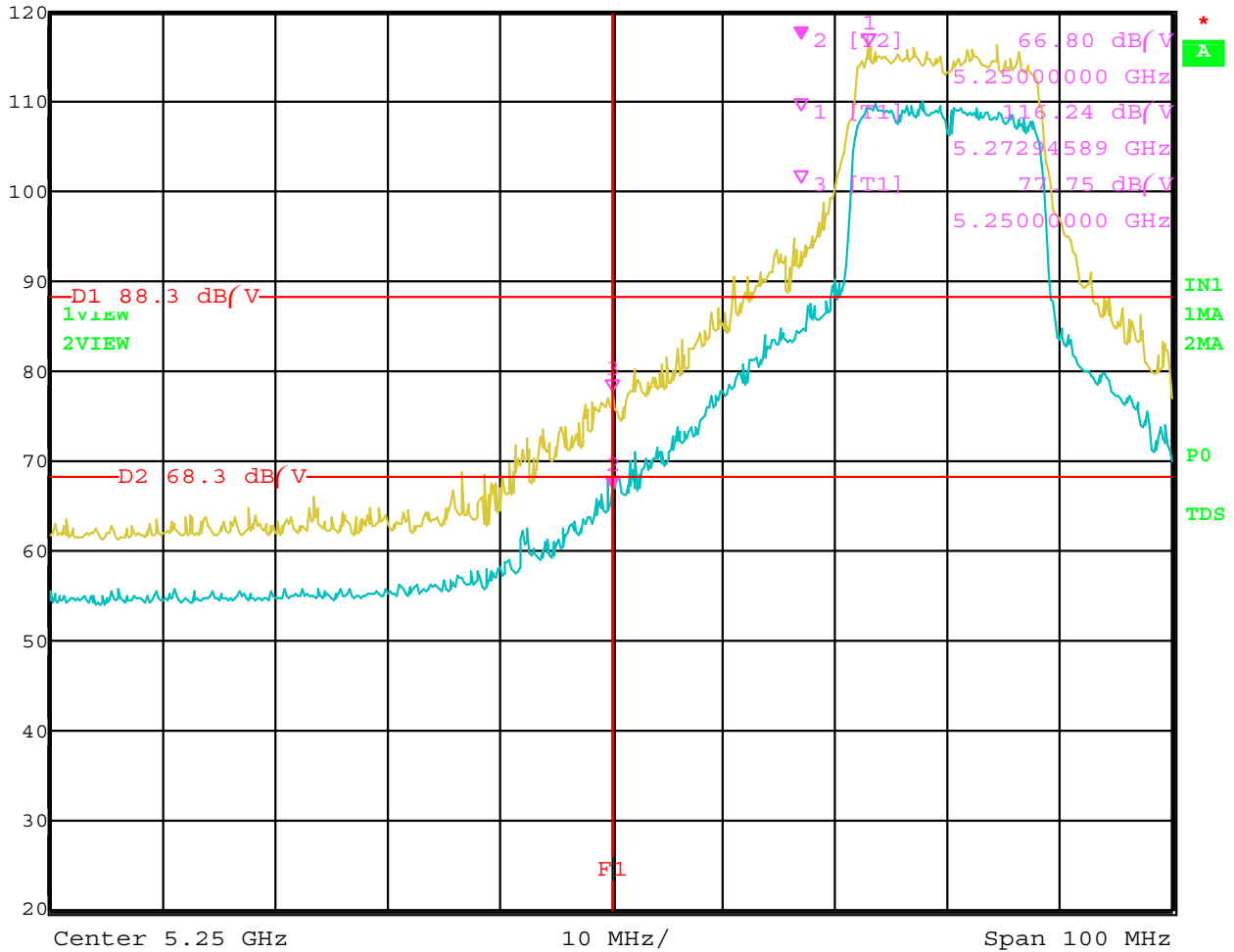
Fundamental - 5805 MHz

Transmit Mode with Patch Antenna - Turbo Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5300	102.16	H	--	--	Peak	2.08	135	Fundamental -- 5300 MHz
5250	59.53	H	88.3	-28.77	Peak	2.08	135	Band Edge
5250	51.55	H	68.3	-16.75	Avg	2.08	135	Band Edge
5350	54.9	H	74	-19.1	Peak	2.08	135	Band Edge
5350	47.19	H	54	-6.81	Avg	2.08	135	Band Edge
5765	102.97	H	--	--	Avg	1.52	225	Fundamental - 5765 MHz
5805	102.3	H	--	--	Avg	2.15	225	Fundamental - 5805 MHz



Ref Lvl 120 dB/V
Marker 2 [T2] 66.80 dB/V
5.2500000 GHz
RBW 1 MHz
VBW 30 kHz
SWT 8.5 ms
RF Att 30 dB
Unit dB/V

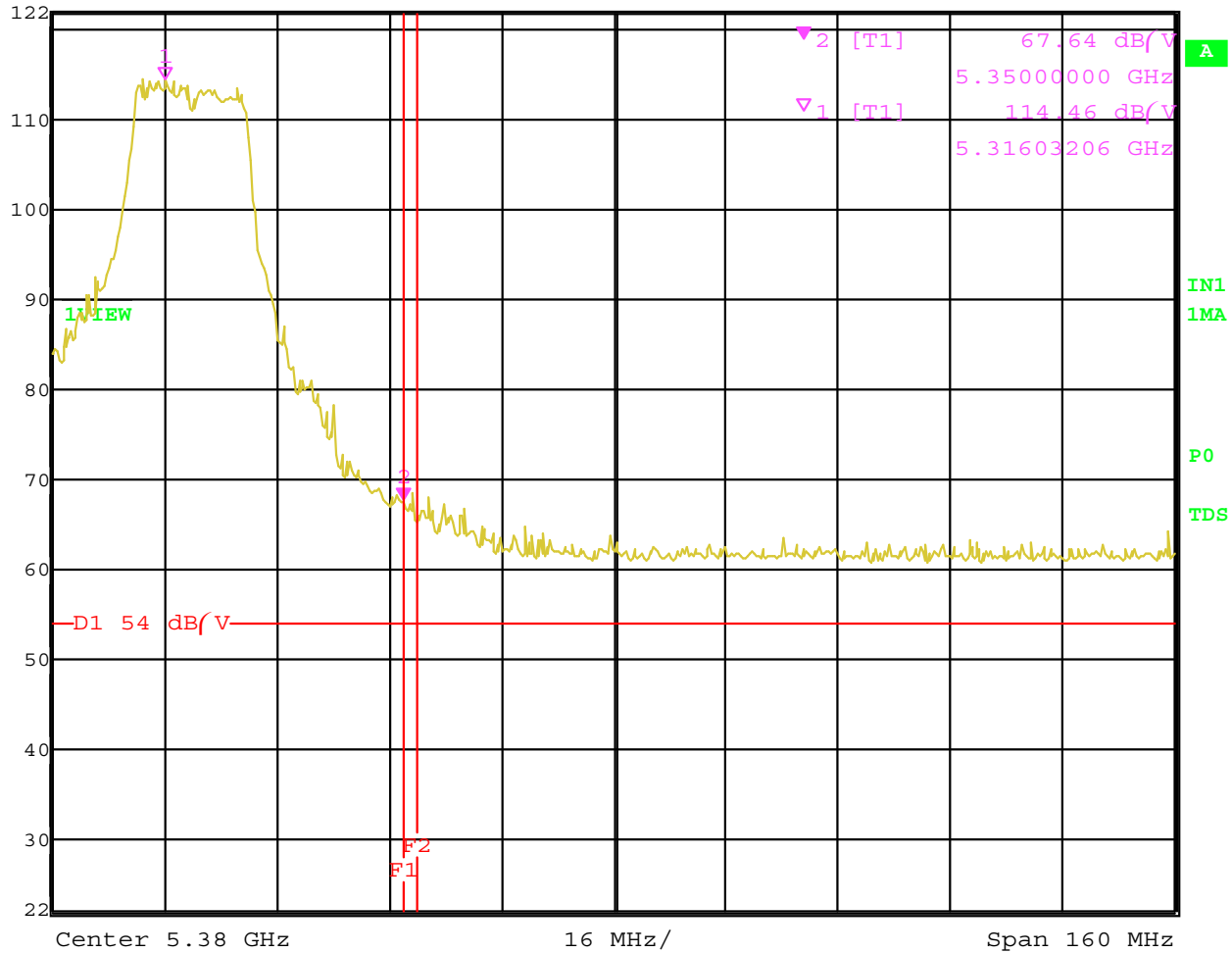


Date: 20.MAY.2005 11:25:44

Band Edge – Channel 56 – Patch Antenna – Vertical Polarization (Worst Case)



Ref Lvl	Marker 2 [T1]	RBW	1 MHz	RF Att	30 dB
122 dB/V	67.64 dB/V	VBW	1 MHz		
	5.35000000 GHz	SWT	5 ms	Unit	dB/V

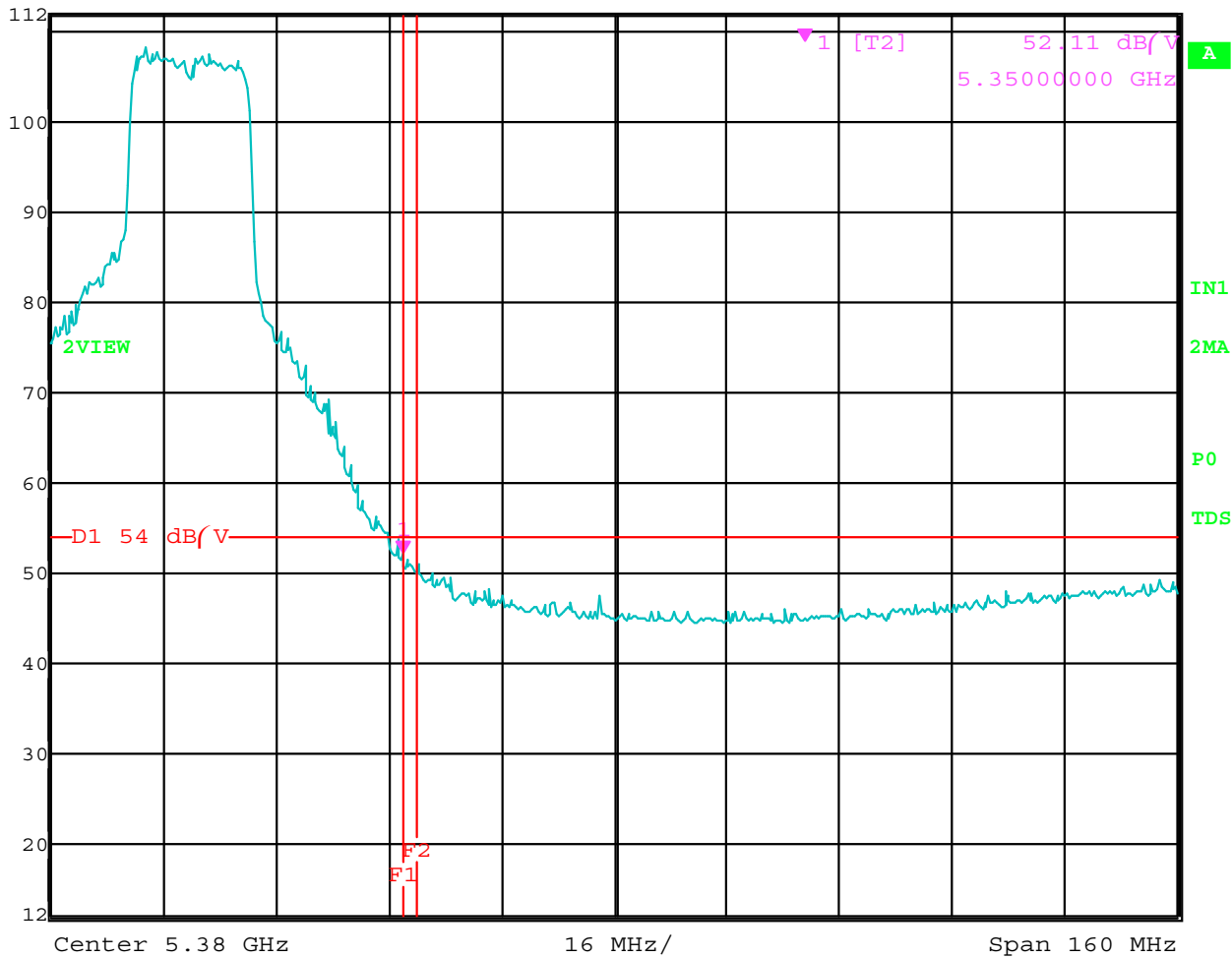


Date: 20.MAY.2005 11:32:35

Band Edge – Channel 64 – Patch Antenna – Peak Reading – Vertical Polarization (Worst Case)



Ref Lvl 112 dB/V
Marker 1 [T2] 52.11 dB/V
5.35000000 GHz
RBW 1 MHz
RF Att 20 dB
VBW 30 kHz
SWT 13.5 ms
Unit dB/V

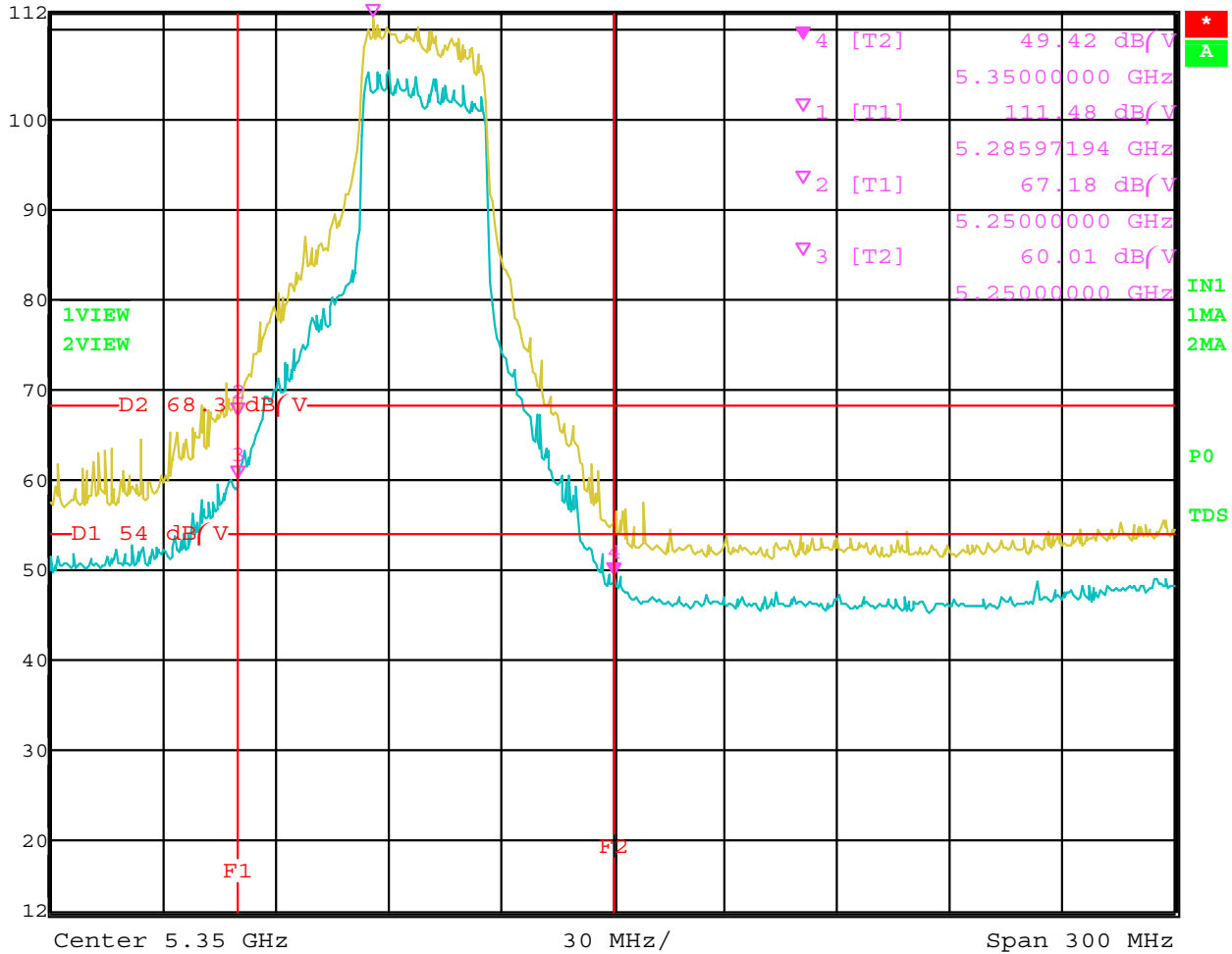


Date: 20.MAY.2005 11:30:50

Band Edge – Channel 64 – Patch Antenna – Average Reading – Vertical Polarization (Worst Case)



Ref Lvl 112 dB/V
Marker 4 [T2] 49.42 dB/V
5.35000000 GHz
RBW 1 MHz
VBW 50 kHz
SWT 15 ms
RF Att 20 dB
Unit dB/V

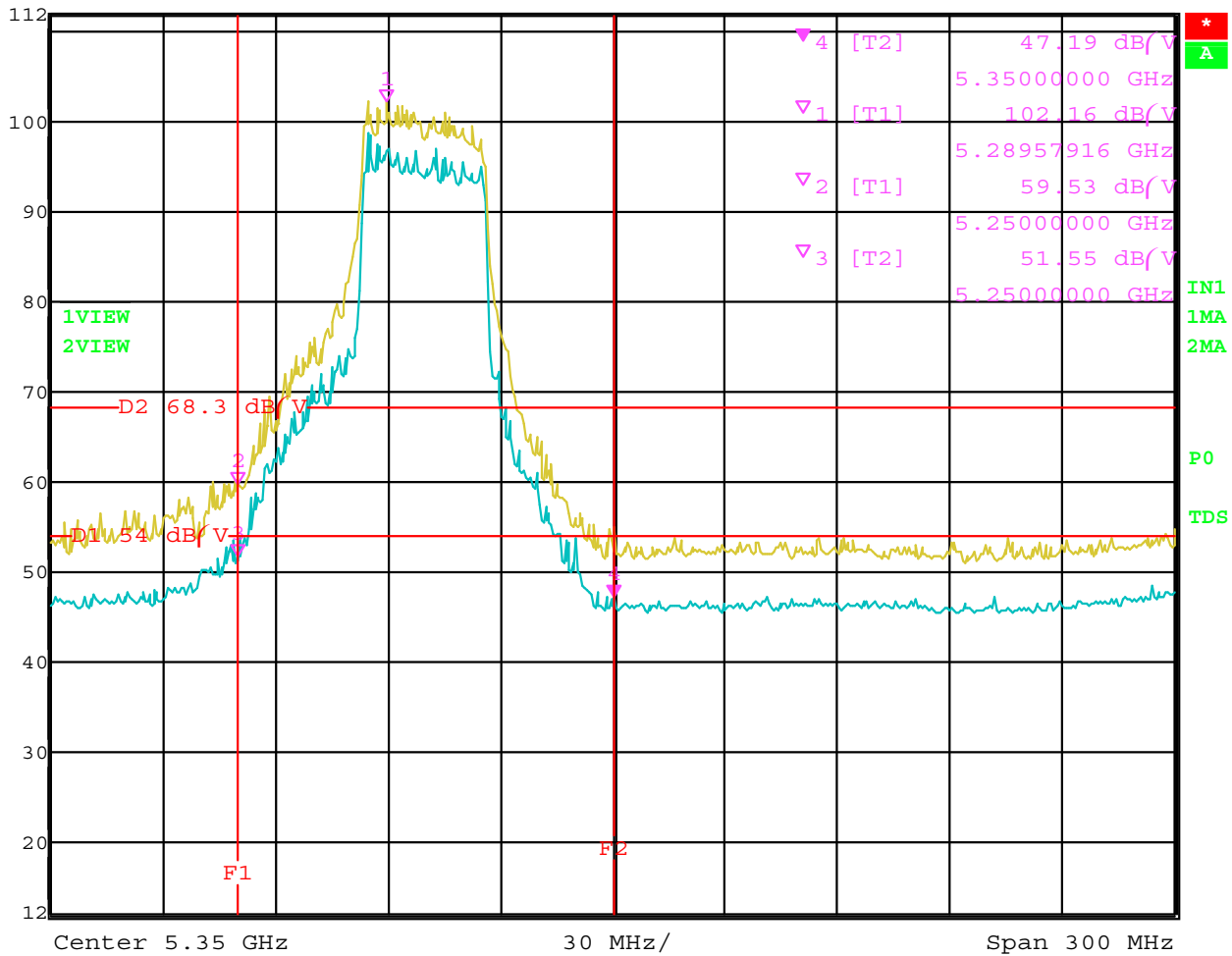


Date: 3.JUN.2005 08:49:56

Band Edge – 5300 MHz Fundamental – Turbo Mode – Vertical Polarization – Patch Antenna



Ref Lvl 112 dB/V
Marker 4 [T2] 47.19 dB/V
5.35000000 GHz
RBW 1 MHz
VBW 50 kHz
SWT 15 ms
RF Att 20 dB
Unit dB/V



Date: 3.JUN.2005 09:03:48

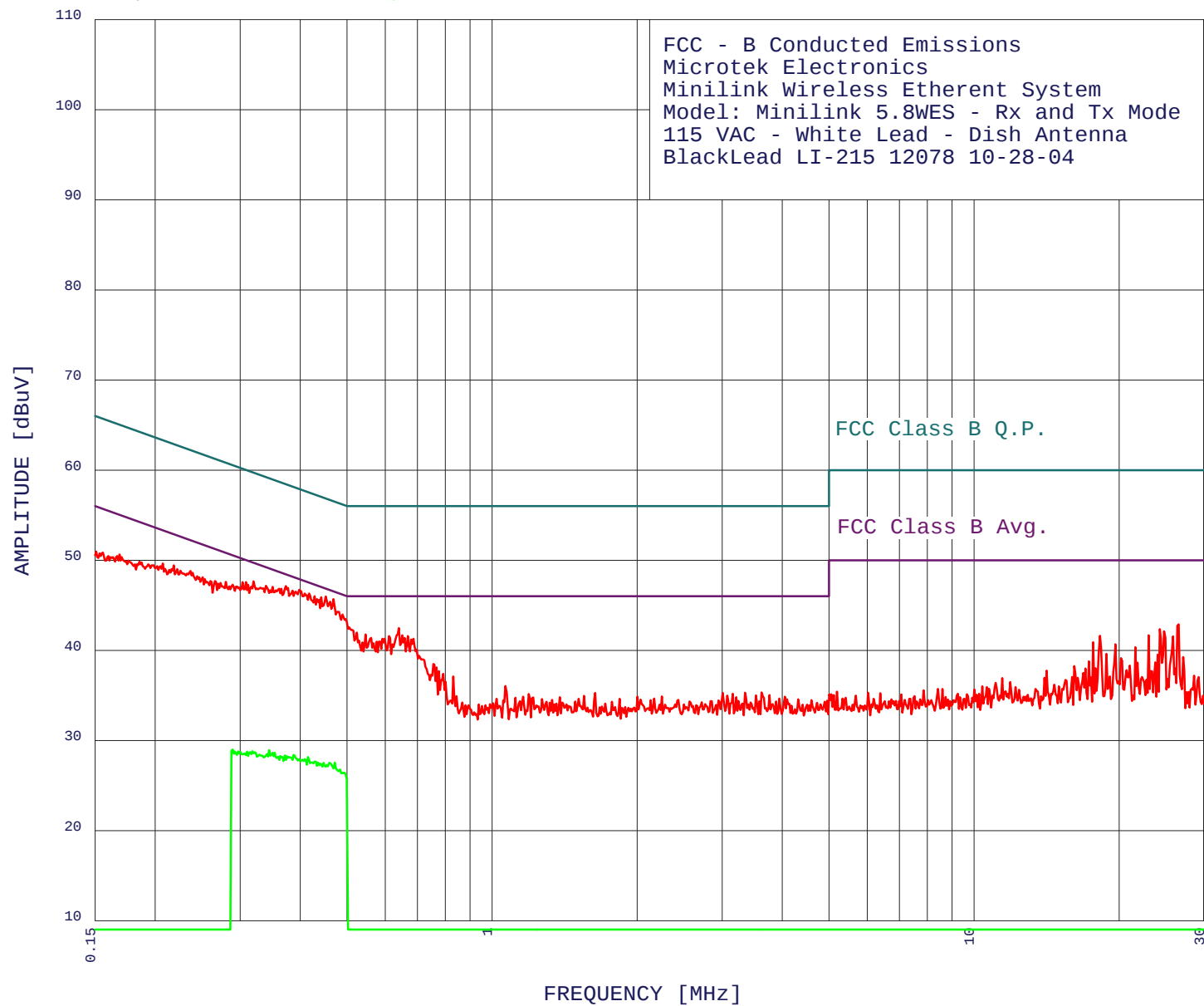
Band Edge – 5300 MHz Fundamental – Turbo Mode – Horizontal Polarization – Patch Antenna

CONDUCTED EMISSIONS

DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/31/2005 22:40:49





3/31/2005

22:40:49

FCC - B Conducted Emissions

Microtek Electronics

Minilink Wireless Ethernet System

Model: Minilink 5.8WES - Dish Antenna (Worst Case) - Turbo Mode (Worst Case)

115 VAC - Black Lead - Rx and Tx Mode

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Benigno Chavez

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	0.469	45.67	46.53	-0.86**
2	0.452	45.98	46.85	-0.87**
3	0.442	45.88	47.02	-1.13**
4	0.320	47.66	49.71	-2.05**
5	0.641	42.48	46.00	-3.52
6	0.266	47.70	51.24	-3.55
7	0.547	41.77	46.00	-4.23
8	0.651	41.68	46.00	-4.32
9	0.669	41.58	46.00	-4.42
10	0.611	41.57	46.00	-4.43
11	0.561	41.37	46.00	-4.63
12	0.686	41.28	46.00	-4.72
13	0.598	41.27	46.00	-4.73
14	0.577	40.97	46.00	-5.03
15	26.566	42.89	50.00	-7.11
16	0.755	38.49	46.00	-7.51
17	24.278	42.35	50.00	-7.65
18	24.798	42.12	50.00	-7.88
19	0.767	38.09	46.00	-7.91
20	0.775	37.69	46.00	-8.31
21	23.022	41.65	50.00	-8.35
22	18.241	41.61	50.00	-8.39
23	25.875	41.56	50.00	-8.44
24	0.792	37.39	46.00	-8.61
25	0.831	37.10	46.00	-8.90
26	17.669	40.89	50.00	-9.11
27	19.644	40.65	50.00	-9.35
28	21.607	40.35	50.00	-9.65
29	1.066	36.03	46.00	-9.97
30	18.826	39.61	50.00	-10.39
31	24.027	39.51	50.00	-10.49
32	3.624	35.31	46.00	-10.69
33	3.346	35.29	46.00	-10.71
34	3.011	35.26	46.00	-10.74
35	1.637	35.26	46.00	-10.74
36	27.143	39.25	50.00	-10.75
37	3.158	35.18	46.00	-10.82
38	1.191	35.16	46.00	-10.84
39	20.169	39.12	50.00	-10.88
40	3.761	35.02	46.00	-10.98
41	3.529	35.01	46.00	-10.99
42	3.075	34.97	46.00	-11.03
43	1.552	34.94	46.00	-11.06
44	0.844	34.90	46.00	-11.10
45	2.250	34.87	46.00	-11.13



**COMPATIBLE
ELECTRONICS**

3/31/2005

22:40:49

FCC - B Conducted Emissions

Microtek Electronics

Minilink Wireless Ethernet System

Model: Minilink 5.8WES - Dish Antenna (Worst Case) - Turbo Mode (Worst Case)

115 VAC - Black Lead - Rx and Tx Mode

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Benigno Chavez

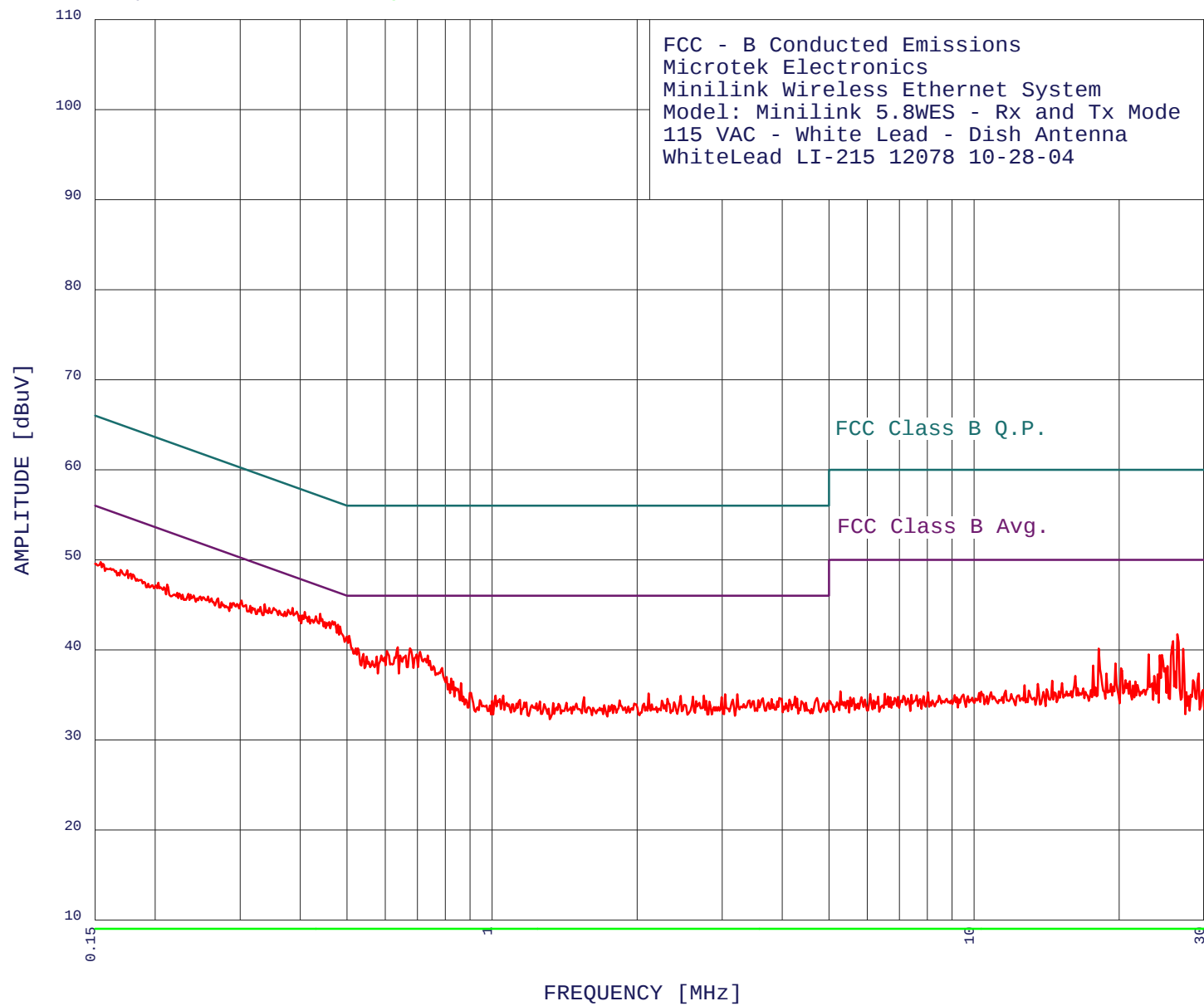
 31 highest peaks above -50.00 dB of FCC Class B Avg. limit line

Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.471	27.55	46.49	-18.94
2	0.459	27.51	46.71	-19.20
3	0.415	28.16	47.55	-19.39
4	0.447	27.52	46.93	-19.41
5	0.484	26.78	46.27	-19.50
6	0.454	27.28	46.80	-19.52
7	0.428	27.66	47.28	-19.62
8	0.435	27.53	47.15	-19.62
9	0.440	27.43	47.06	-19.64
10	0.387	28.40	48.12	-19.72
11	0.409	27.91	47.68	-19.77
12	0.404	27.87	47.77	-19.90
13	0.398	27.91	47.90	-19.99
14	0.375	28.24	48.38	-20.15
15	0.371	28.32	48.47	-20.15
16	0.345	28.92	49.09	-20.17
17	0.354	28.63	48.87	-20.24
18	0.350	28.63	48.95	-20.32
19	0.363	28.28	48.65	-20.36
20	0.360	28.20	48.73	-20.54
21	0.341	28.47	49.18	-20.71
22	0.318	28.81	49.75	-20.94
23	0.322	28.69	49.66	-20.97
24	0.329	28.44	49.48	-21.05
25	0.315	28.69	49.84	-21.14
26	0.310	28.74	49.97	-21.23
27	0.307	28.57	50.05	-21.48
28	0.300	28.74	50.23	-21.49
29	0.297	28.79	50.32	-21.54
30	0.290	28.99	50.54	-21.55
31	0.293	28.79	50.45	-21.66

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/31/2005 22:25:48




**COMPATIBLE
ELECTRONICS**

3/31/2005

22:25:48

FCC - B Conducted Emissions

Microtek Electronics

Minilink Wireless Ethernet System

Model: Minilink 5.8WES - Dish Antenna (Worst Case) - Turbo Mode (Worst Case)

115 VAC - White Lead - Rx and Tx Mode

WhiteLead LI-215 12078 10-28-04

TEST ENGINEER : Benigno Chavez

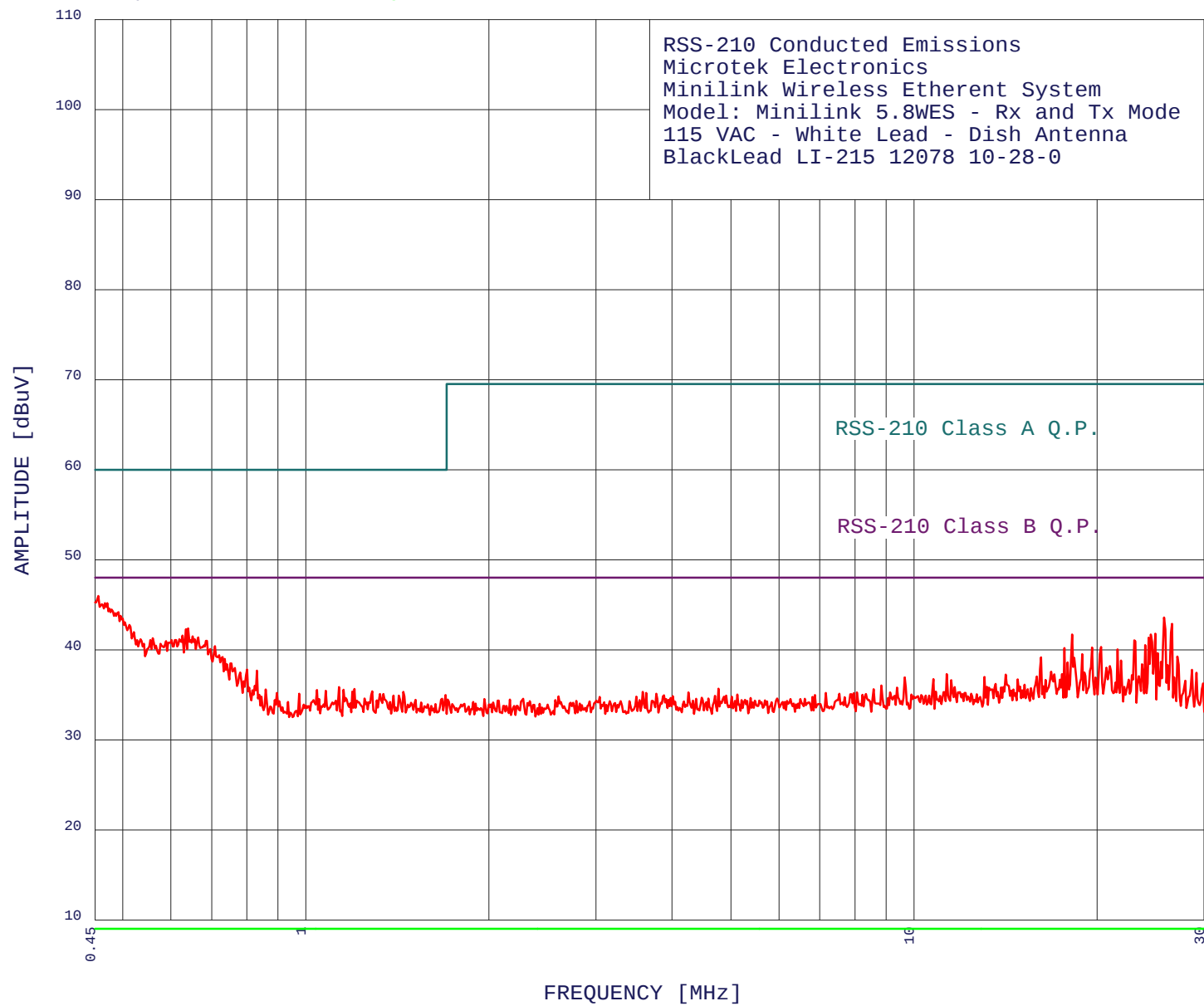
45 highest peaks above -50.00 dB of FCC Class B Avg. limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.440	44.00	47.06	-3.06
2	0.466	43.18	46.58	-3.39
3	0.471	43.08	46.49	-3.41
4	0.409	44.22	47.68	-3.46
5	0.385	44.63	48.16	-3.53
6	0.431	43.70	47.24	-3.53
7	0.445	43.40	46.98	-3.58
8	0.479	42.78	46.36	-3.58
9	0.459	43.09	46.71	-3.62
10	0.484	42.57	46.27	-3.70
11	0.393	44.23	47.99	-3.76
12	0.417	43.71	47.50	-3.79
13	0.449	43.09	46.89	-3.80
14	0.454	42.99	46.80	-3.81
15	0.377	44.44	48.34	-3.90
16	0.404	43.82	47.77	-3.95
17	0.400	43.82	47.86	-4.03
18	0.421	43.31	47.42	-4.11
19	0.338	45.06	49.26	-4.20
20	0.371	44.24	48.47	-4.23
21	0.352	44.65	48.91	-4.26
22	0.362	44.35	48.69	-4.35
23	0.345	44.66	49.09	-4.43
24	0.505	41.56	46.00	-4.44
25	0.500	41.46	46.01	-4.54
26	0.331	44.76	49.44	-4.67
27	0.302	45.48	50.19	-4.71
28	0.341	44.36	49.18	-4.82
29	0.315	44.87	49.84	-4.96
30	0.309	44.98	50.01	-5.03
31	0.327	44.47	49.53	-5.06
32	0.318	44.67	49.75	-5.08
33	0.296	45.09	50.36	-5.28
34	0.290	45.19	50.54	-5.35
35	0.270	45.70	51.11	-5.41
36	0.286	45.19	50.63	-5.44
37	0.258	45.91	51.51	-5.60
38	0.262	45.71	51.38	-5.67
39	0.275	45.30	50.98	-5.68
40	0.637	40.27	46.00	-5.73
41	0.676	40.17	46.00	-5.83
42	0.521	40.16	46.00	-5.84
43	0.527	40.16	46.00	-5.84
44	0.175	48.85	54.72	-5.87
45	0.248	45.91	51.82	-5.90

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/31/2005 22:47:23





3/31/2005

22:47:23

RSS-210 Conducted Emissions

Microtek Electronics

Minilink Wireless Ethernet System

Model: Minilink 5.8WES - Dish Antenna (Worst Case) - Turbo Mode (Worst Case)

115 VAC - Black Lead - Rx and Tx Mode

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Benigno Chavez

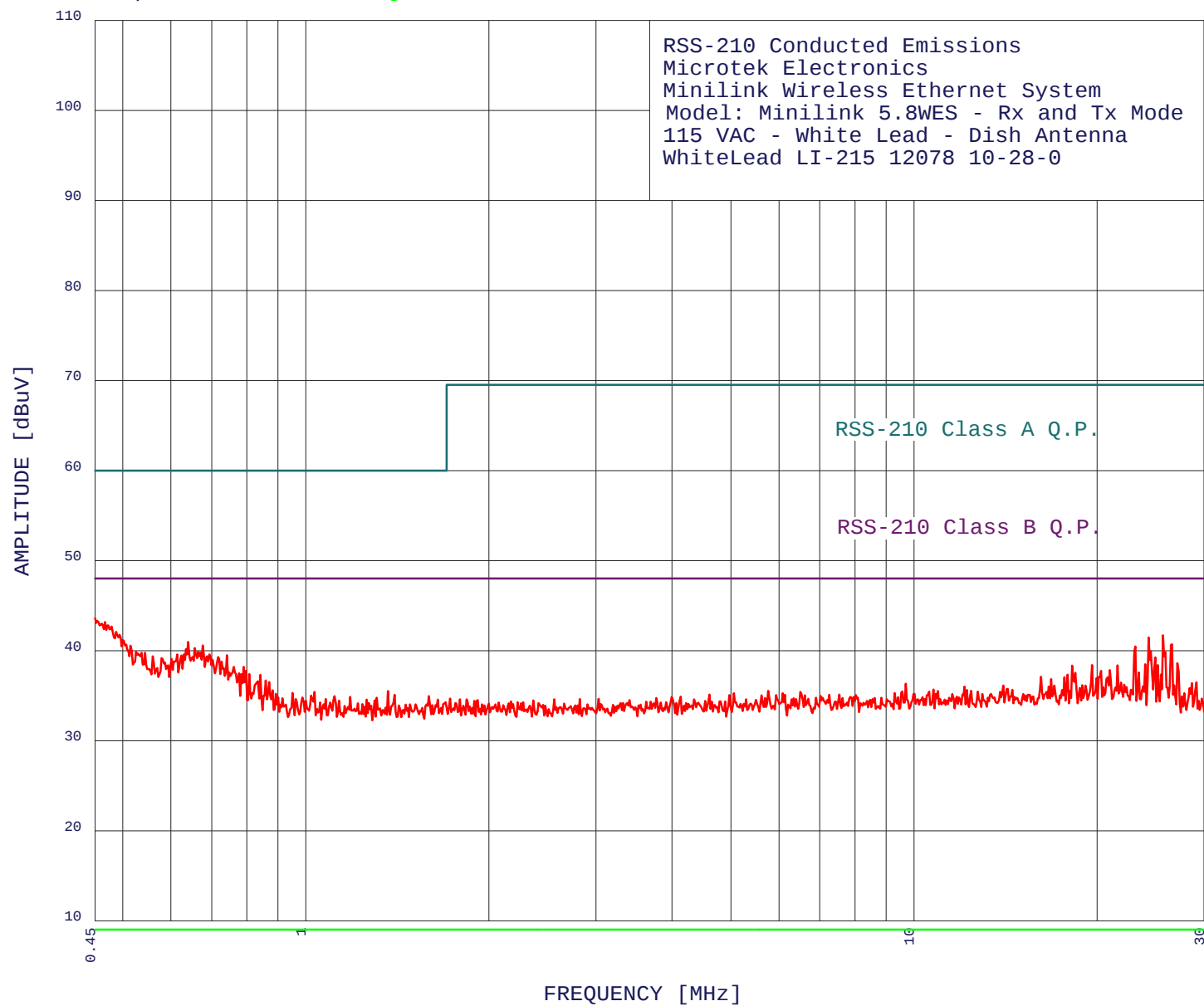
45 highest peaks above -50.00 dB of FCC Class B Q.P. limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	25.796	43.58	48.00	-4.42
2	26.568	42.89	48.00	-5.11
3	0.641	42.38	48.00	-5.62
4	0.635	42.28	48.00	-5.72
5	24.948	41.78	48.00	-6.22
6	18.205	41.71	48.00	-6.29
7	24.530	41.69	48.00	-6.31
8	0.627	41.58	48.00	-6.42
9	0.665	41.38	48.00	-6.62
10	24.320	41.34	48.00	-6.66
11	0.560	41.27	48.00	-6.73
12	23.028	41.05	48.00	-6.95
13	0.589	40.97	48.00	-7.03
14	24.018	40.51	48.00	-7.49
15	0.708	40.38	48.00	-7.62
16	20.305	40.31	48.00	-7.69
17	19.633	40.25	48.00	-7.75
18	17.678	40.19	48.00	-7.81
19	21.622	40.04	48.00	-7.96
20	25.157	39.63	48.00	-8.37
21	18.908	39.50	48.00	-8.50
22	27.127	39.25	48.00	-8.75
23	16.187	39.15	48.00	-8.85
24	18.356	39.11	48.00	-8.89
25	0.736	38.99	48.00	-9.01
26	21.898	38.81	48.00	-9.19
27	25.470	38.66	48.00	-9.34
28	17.904	38.60	48.00	-9.40
29	0.755	38.49	48.00	-9.51
30	23.721	38.38	48.00	-9.62
31	26.127	38.30	48.00	-9.70
32	21.001	38.19	48.00	-9.81
33	20.735	38.00	48.00	-10.00
34	0.800	37.79	48.00	-10.21
35	28.649	37.78	48.00	-10.22
36	0.831	37.70	48.00	-10.30
37	16.810	37.57	48.00	-10.43
38	19.067	37.49	48.00	-10.51
39	0.780	37.49	48.00	-10.51
40	29.141	37.45	48.00	-10.55
41	11.325	37.31	48.00	-10.69
42	17.527	37.29	48.00	-10.71
43	14.149	37.25	48.00	-10.75
44	23.424	37.05	48.00	-10.95
45	15.917	37.04	48.00	-10.96

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/31/2005 22:30:22





3/31/2005

22:30:22

RSS-210 Conducted Emissions

Microtek Electronics

Minilink Wireless Ethernet System

Model: Minilink 5.8WES - Dish Antenna (Worst Case) - Turbo Mode (Worst Case)

115 VAC - Black Lead - Rx and Tx Mode

WhiteLead LI-215 12078 10-28-04

TEST ENGINEER : Benigno Chavez

45 highest peaks above -50.00 dB of FCC Class B Q.P. limit line

Peak criteria : 0.10 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.454	43.29	48.00	-4.71
2	0.467	43.18	48.00	-4.82
3	0.462	42.99	48.00	-5.01
4	0.471	42.78	48.00	-5.22
5	0.479	42.68	48.00	-5.32
6	0.488	42.07	48.00	-5.93
7	0.494	41.77	48.00	-6.23
8	25.685	41.68	48.00	-6.32
9	24.320	41.47	48.00	-6.53
10	0.500	41.16	48.00	-6.84
11	0.641	40.97	48.00	-7.03
12	26.568	40.71	48.00	-7.29
13	0.677	40.57	48.00	-7.43
14	0.515	40.56	48.00	-7.44
15	23.127	40.45	48.00	-7.55
16	0.657	40.27	48.00	-7.73
17	0.635	40.17	48.00	-7.83
18	24.530	39.92	48.00	-8.08
19	0.665	39.87	48.00	-8.13
20	0.526	39.86	48.00	-8.14
21	25.906	39.84	48.00	-8.16
22	0.671	39.77	48.00	-8.23
23	0.544	39.75	48.00	-8.25
24	0.537	39.75	48.00	-8.25
25	0.694	39.57	48.00	-8.43
26	0.630	39.57	48.00	-8.43
27	0.614	39.56	48.00	-8.44
28	0.742	39.48	48.00	-8.52
29	0.624	39.46	48.00	-8.54
30	0.688	39.37	48.00	-8.63
31	0.560	39.36	48.00	-8.64
32	0.718	39.28	48.00	-8.72
33	0.651	39.27	48.00	-8.73
34	24.948	39.23	48.00	-8.77
35	0.579	39.16	48.00	-8.84
36	0.601	39.06	48.00	-8.94
37	0.702	38.97	48.00	-9.03
38	0.727	38.78	48.00	-9.22
39	0.586	38.66	48.00	-9.34
40	27.127	38.59	48.00	-9.41
41	24.018	38.47	48.00	-9.53
42	25.157	38.39	48.00	-9.61
43	19.633	38.39	48.00	-9.61
44	21.622	38.38	48.00	-9.62
45	0.594	38.36	48.00	-9.64