

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 149 - 802.11 a Mode

Transmit Mode with 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 149 - 802.11 a Mode

Transmit Mode with Small Antenna

[illegible]

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

Channel 157 - 802.11 a 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 165 - 802.11 a Mode

Transmit Mode with 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 165 - 802.11 a Mode

Transmit Mode with Small Antenna

[illegible]

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

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

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

Fundamnetal 5765 MHz
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

Fundamnetal 5805 MHz
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

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 149 - 802.11 a 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 149 - 802.11 a Mode

Transmit Mode with Patch Antenna

[illegible]

Microtek Electronics, Inc.
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Transmit Mode with Patch Antenna

[illegible]

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[illegible]

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Lab: B
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Channel 165 - 802.11 a Mode

Transmit Mode with Patch Antenna

[illegible]

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Transmit Mode with Patch Antenna

[illegible]

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Minilink Wireless Ethernet System
Model: Minilink 5.8WES

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

Fundamnetal 5765 MHz
Transmit Mode - Dish Antenna - Turbo Mode

[illegible]

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Model: Minilink 5.8WES

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

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Transmit Mode - Dish Antenna

[illegible]

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[illegible]

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[illegible]

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Fundamnetal 5805 MHz
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[illegible]

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Lab: B
Tested By: Kyle Fujimoto

Fundamnetal 5805 MHz
Transmit Mode - Dish Antenna - Turbo Mode

[illegible]

RSS-210

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

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

Channel 157 - 802.11 a 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: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Fundamental 5765 MHz -- 802.11 a 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: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 157 - 802.11 a 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: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Fundamental 5765 MHz - 802.11 a 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

RSS-210

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

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

Channel 157 - 802.11 a Mode
Receive Mode - Dish 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: 3/29/05
Lab: B
Tested By: Kyle Fujimoto

Fundamental 5765 MHz - 802.11 a Mode
Receive Mode - Dish 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

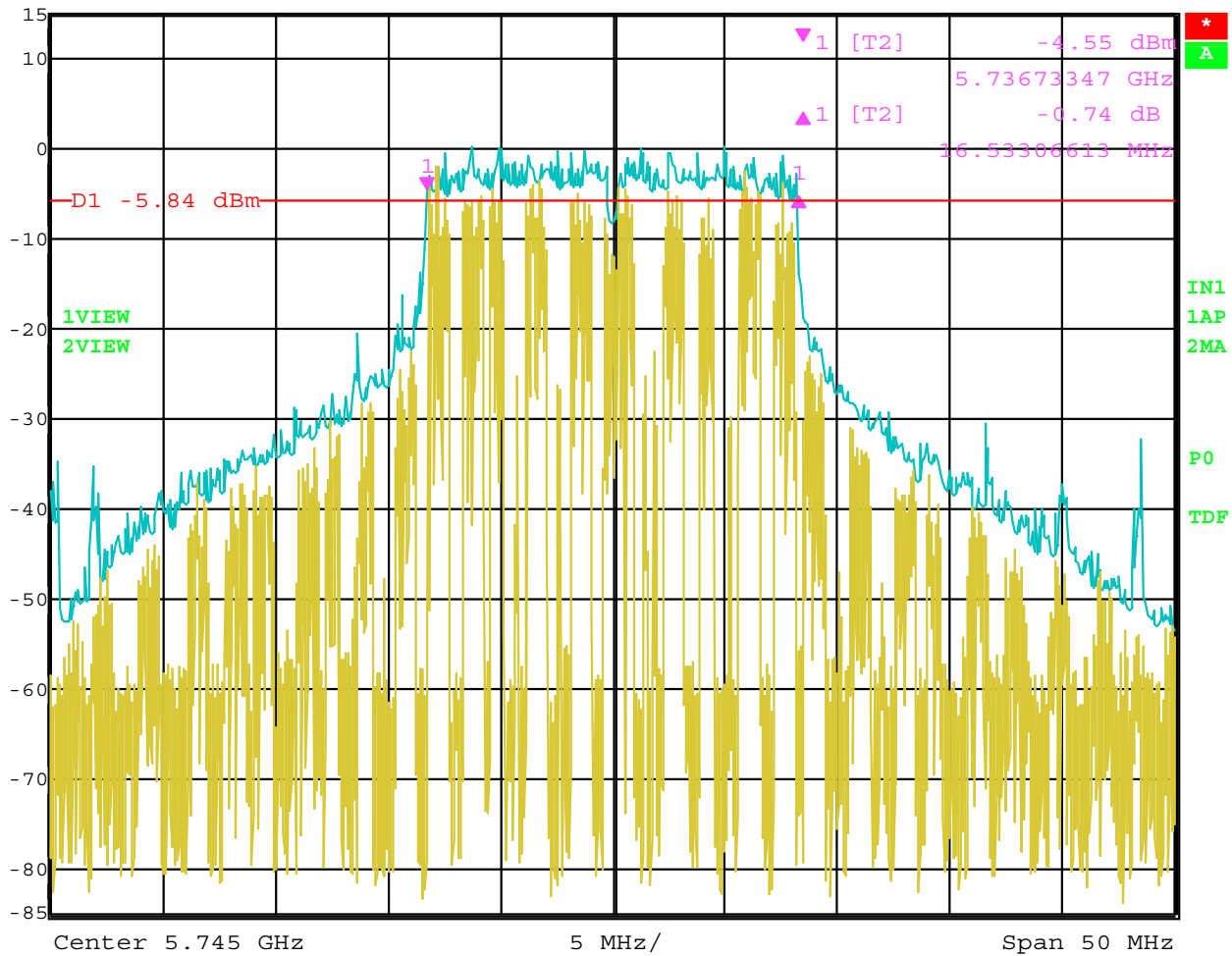
Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	54.222	49.90	0.84	11.51	38.29	23.96	39.10	-15.14
2V	54.240	60.20	0.84	11.50	38.29	34.26	39.10	-4.84
3V	115.013	64.60	1.23	10.52	38.14	38.20	43.50	-5.30
4H	117.426	59.90	1.24	10.78	38.20	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

-6 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	30 dB
15 dBm	-0.74 dB	VBW	300 kHz		
	16.53306613 MHz	SWT	12.5 ms	Unit	dBm

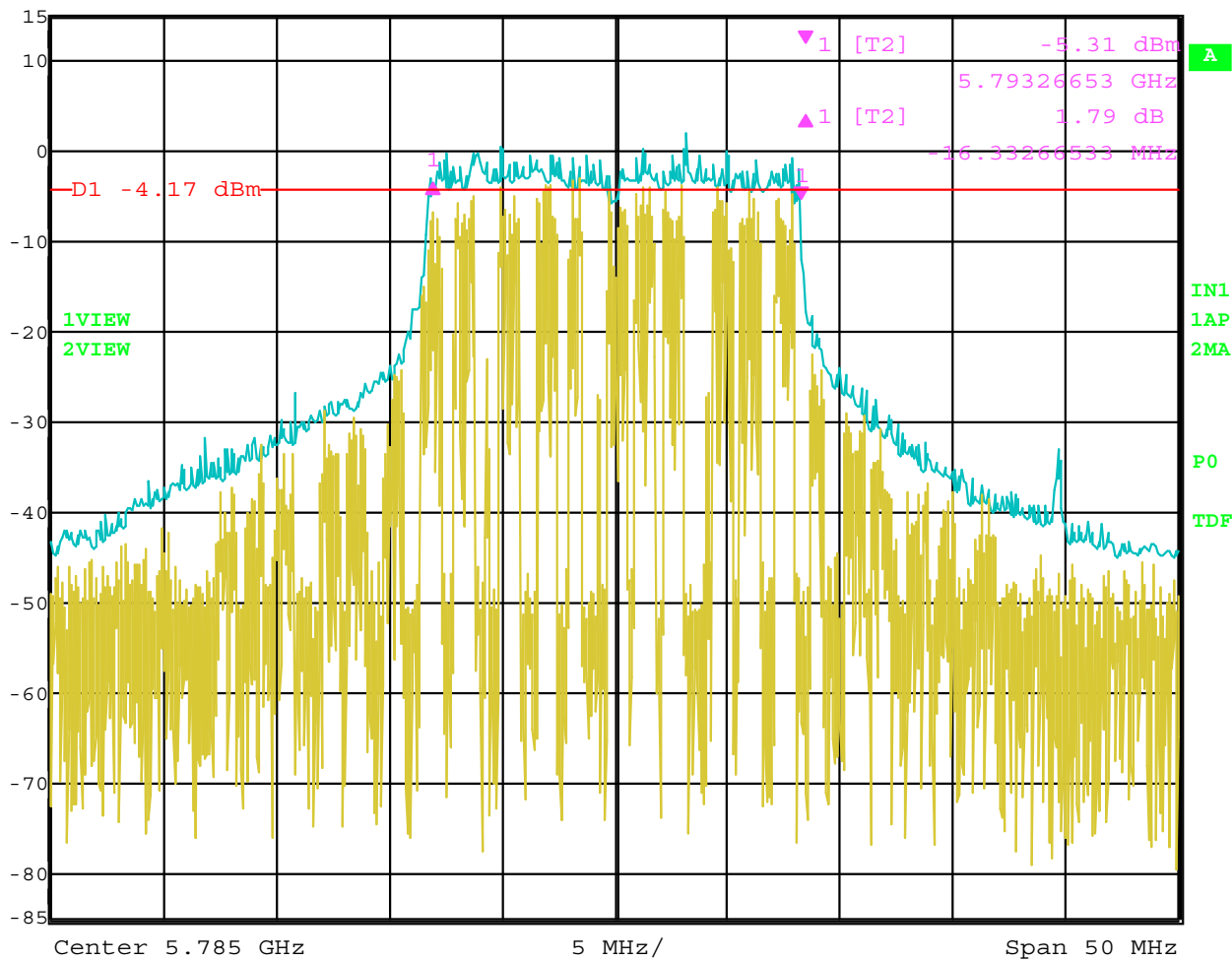


Date: 30.MAR.2005 14:45:29

Bandwidth 6 dB – Channel 149



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	1.79 dB	VBW	300 kHz		
	-16.33266533 MHz	SWT	12.5 ms	Unit	dBm

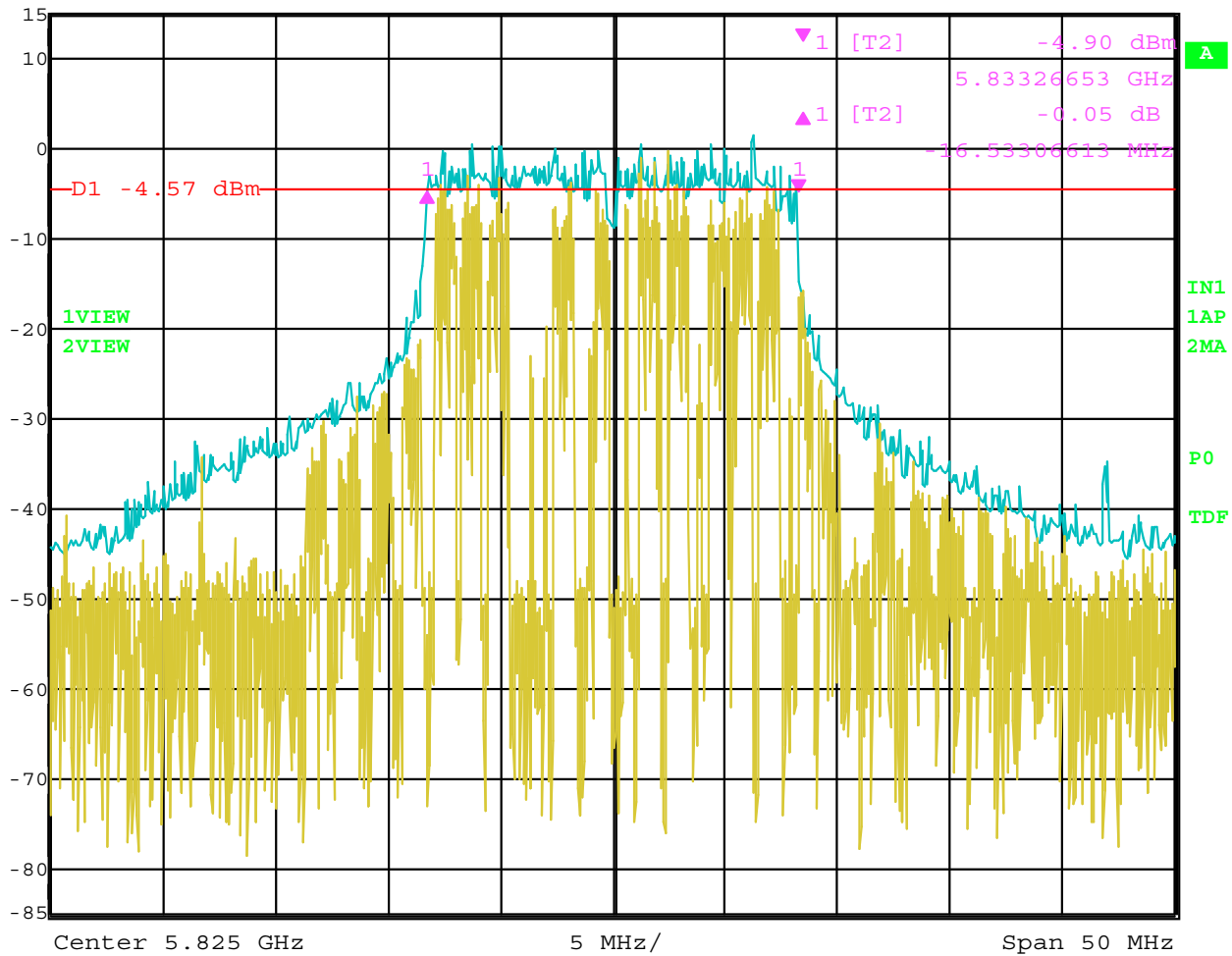


Date: 30.MAR.2005 15:02:47

Bandwidth 6 dB – Channel 157



Ref Lvl	Delta 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	-0.05 dB	VBW	300 kHz		
	-16.53306613 MHz	SWT	12.5 ms	Unit	dBm

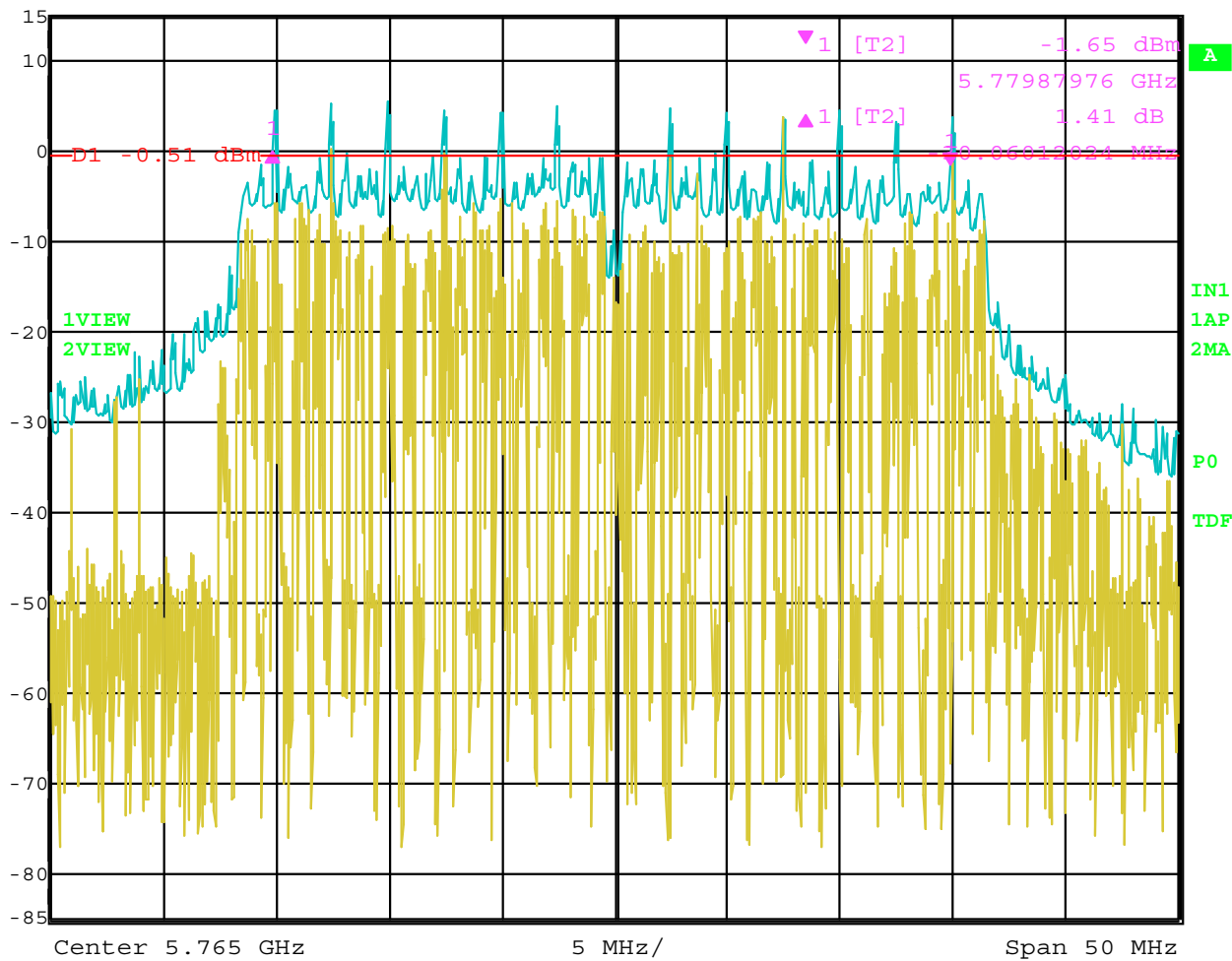


Date: 30.MAR.2005 16:58:57

Bandwidth 6 dB - Channel 165



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.41 dB VBW 300 kHz
15 dBm -30.06012024 MHz SWT 12.5 ms Unit dBm

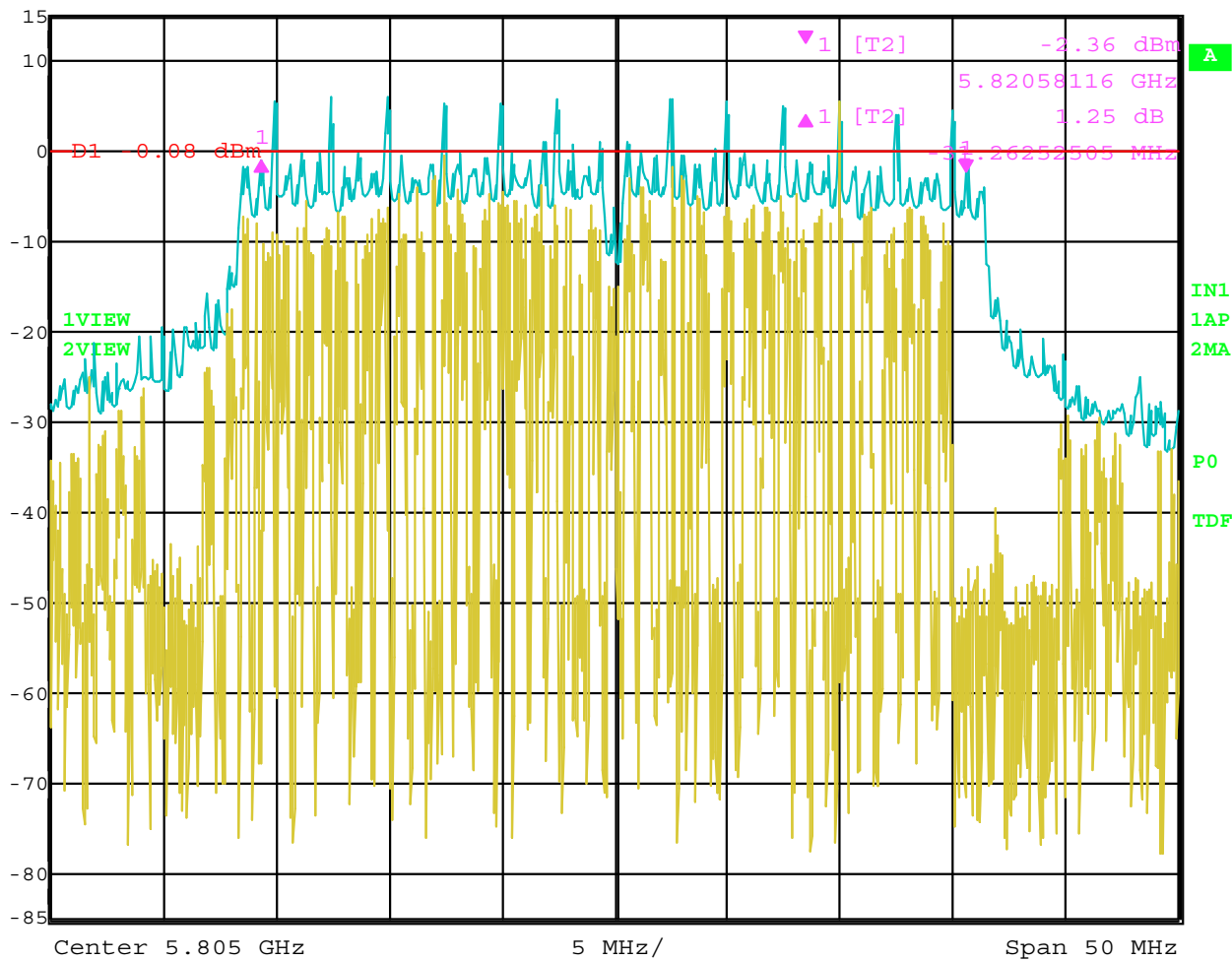


Date: 30.MAR.2005 17:27:13

Bandwidth 6 dB – 5765 MHz – Turbo Mode



Delta 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl 1.25 dB VBW 300 kHz
15 dBm -31.26252505 MHz SWT 12.5 ms Unit dBm



Date: 30.MAR.2005 17:33:15

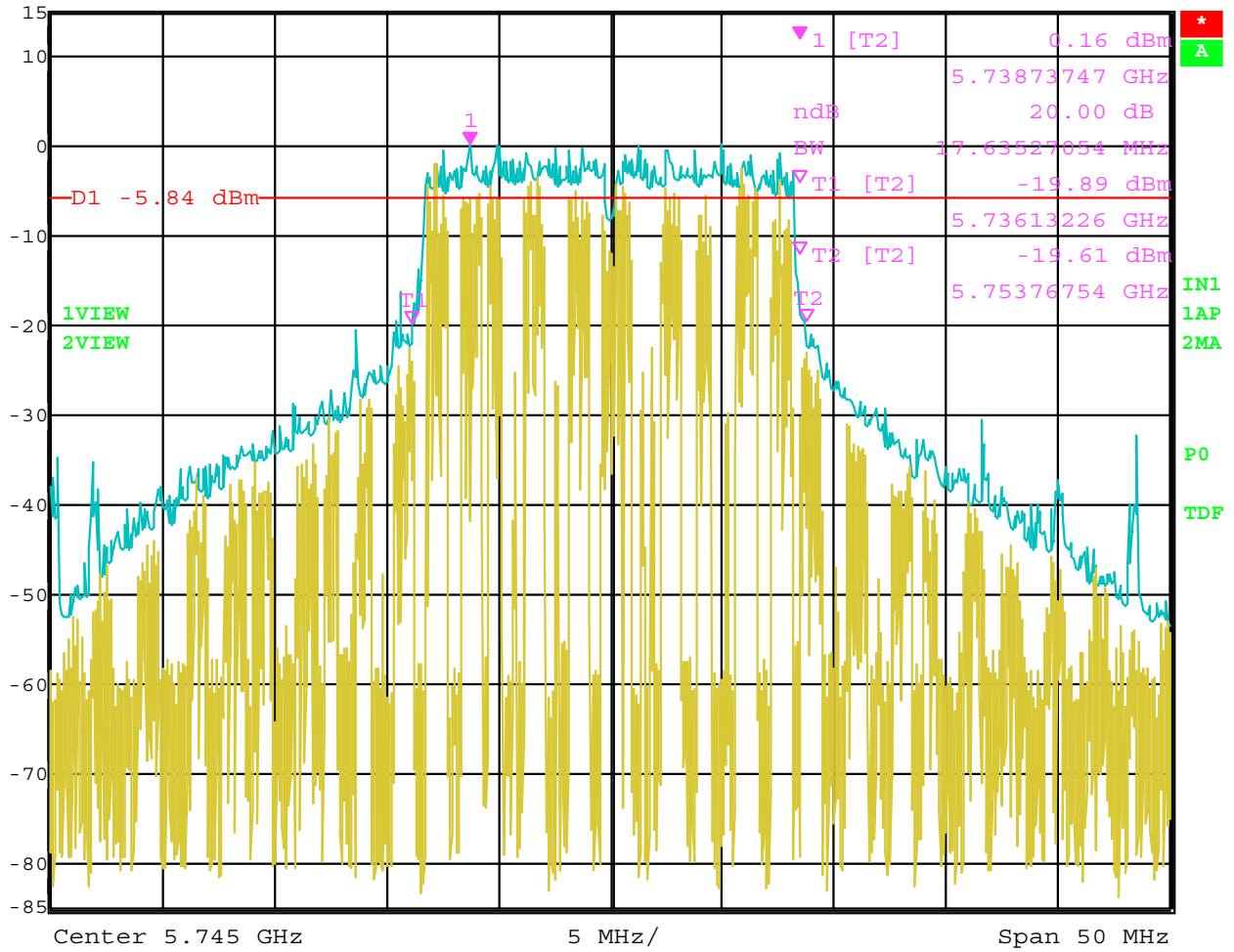
Bandwidth 6 dB – 5805 MHz – Turbo Mode

-20 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	30 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 17.63527054 MHz	SWT	12.5 ms	Unit	dBm

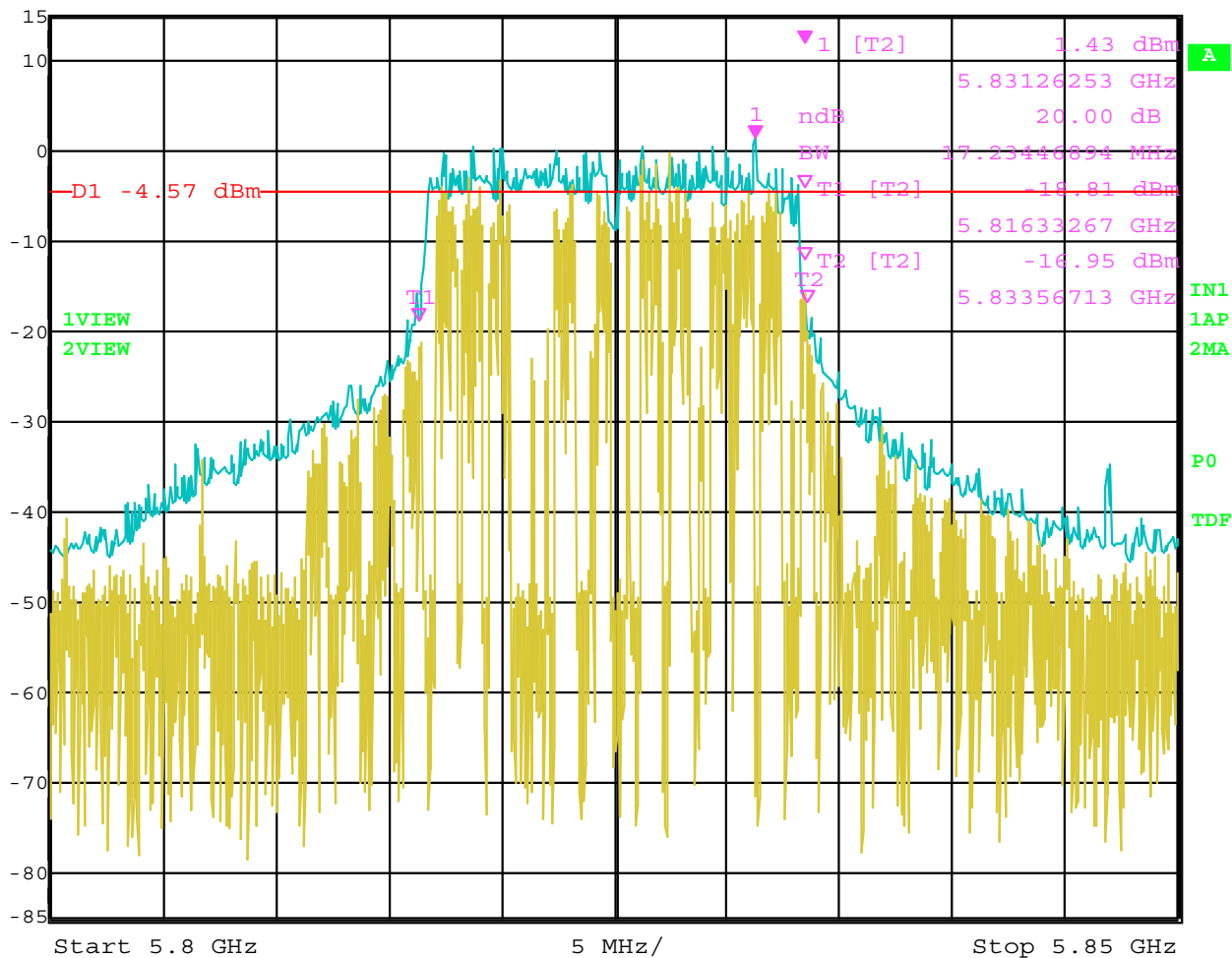


Date: 30.MAR.2005 14:46:03

Bandwidth 20 dB – Channel 149



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 17.23446894 MHz	SWT	12.5 ms	Unit	dBm

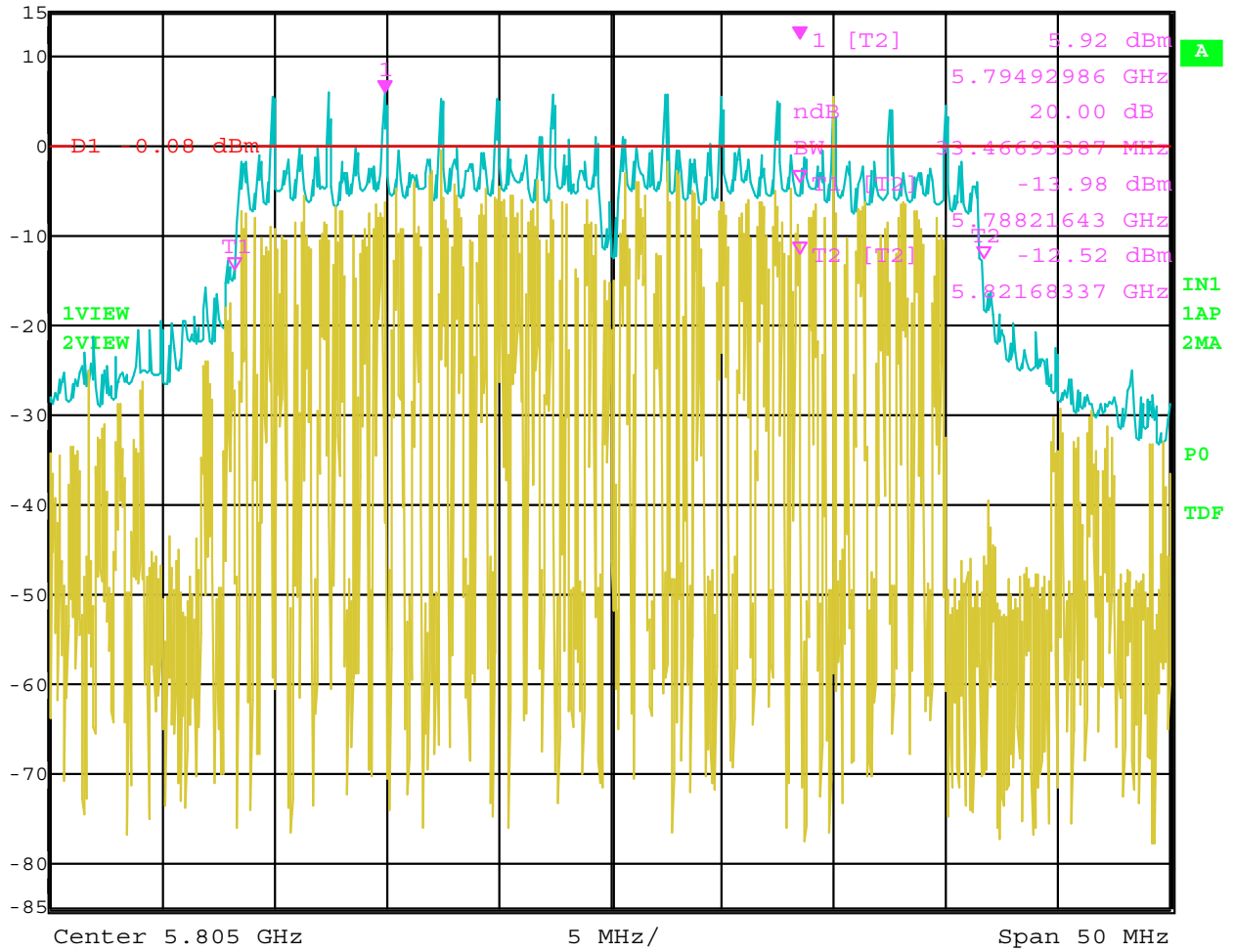


Date: 30.MAR.2005 16:59:36

Bandwidth 20 dB – Channel 165



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 33.46693387 MHz	SWT	12.5 ms	Unit	dBm



Date: 30.MAR.2005 17:34:33

Bandwidth 20 dB – 5805 MHz – Turbo Mode

PEAK POWER OUTPUT

DATA SHEETS

FCC 15.247

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

Date: 3/31/05
Lab: B
Tested By: Kyle Fujimoto

**Peak Output Power
5725 MHz -- 5850 MHz**

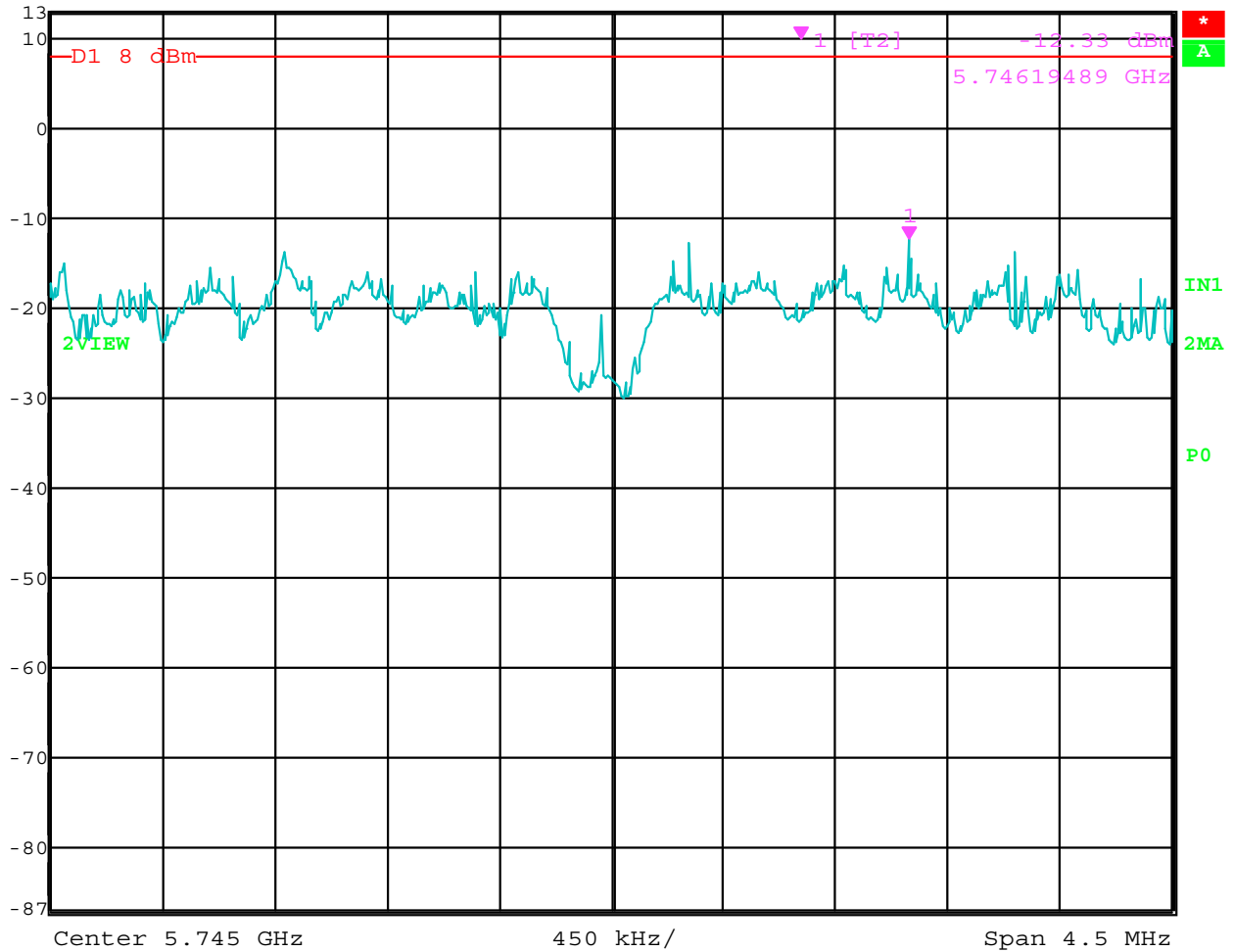
Freq. (MHz)	Peak Power (dBm)
5745	24.31
5785	24.15
5825	23.61
5765 (T)	23.84
5805 (T)	23.59

(T) = Turbo Mode

PEAK POWER SPECTRAL DENSITY
DATA SHEETS



Ref Lvl 13 dBm
Marker 1 [T2] -12.33 dBm
5.74619489 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 1500 s
Unit dBm

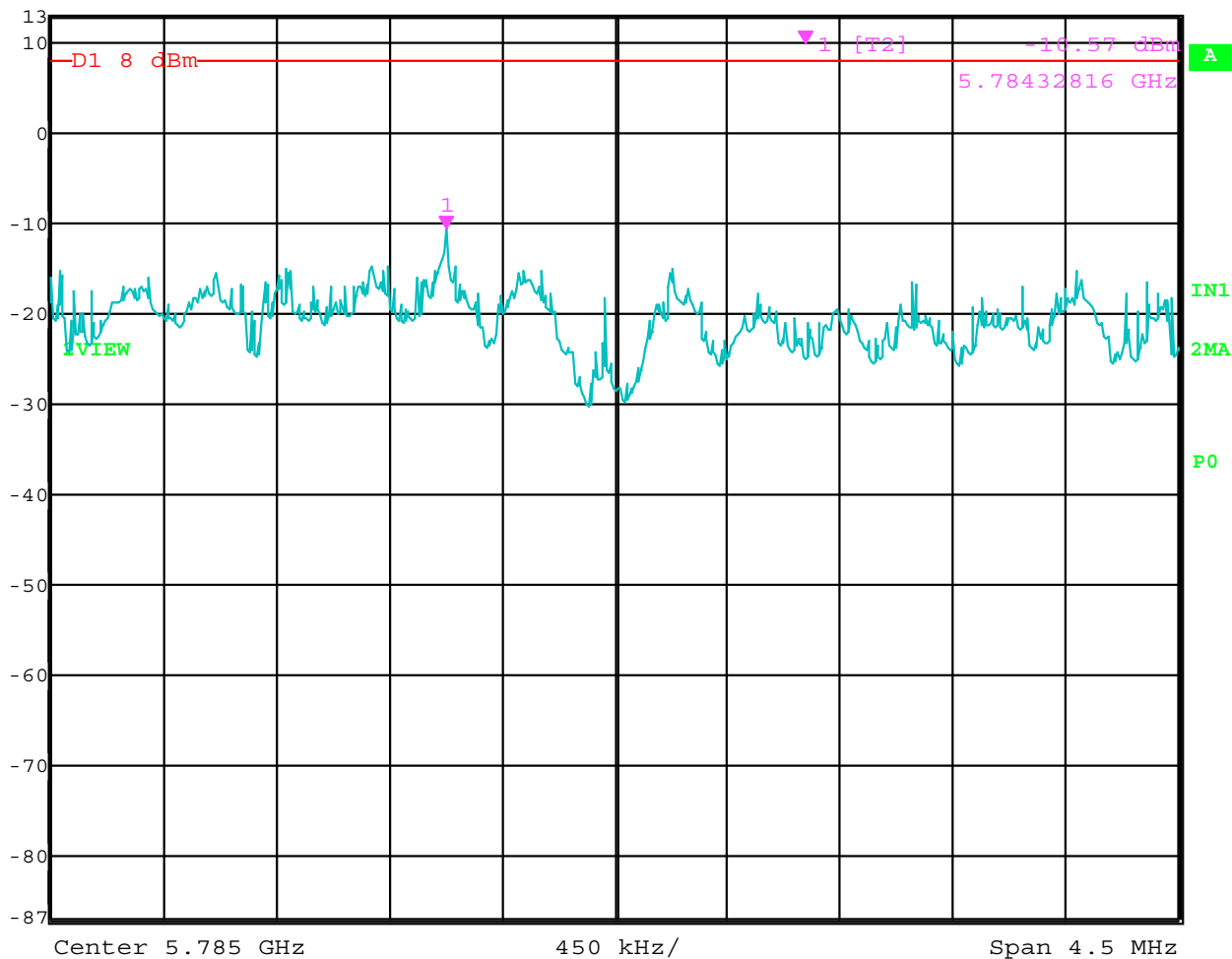


Date: 31.MAR.2005 16:21:04

Peak Power Spectral Density – Channel 149



Ref Lvl 13 dBm
Marker 1 [T2] -10.57 dBm
5.78432816 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 1500 s
Unit dBm

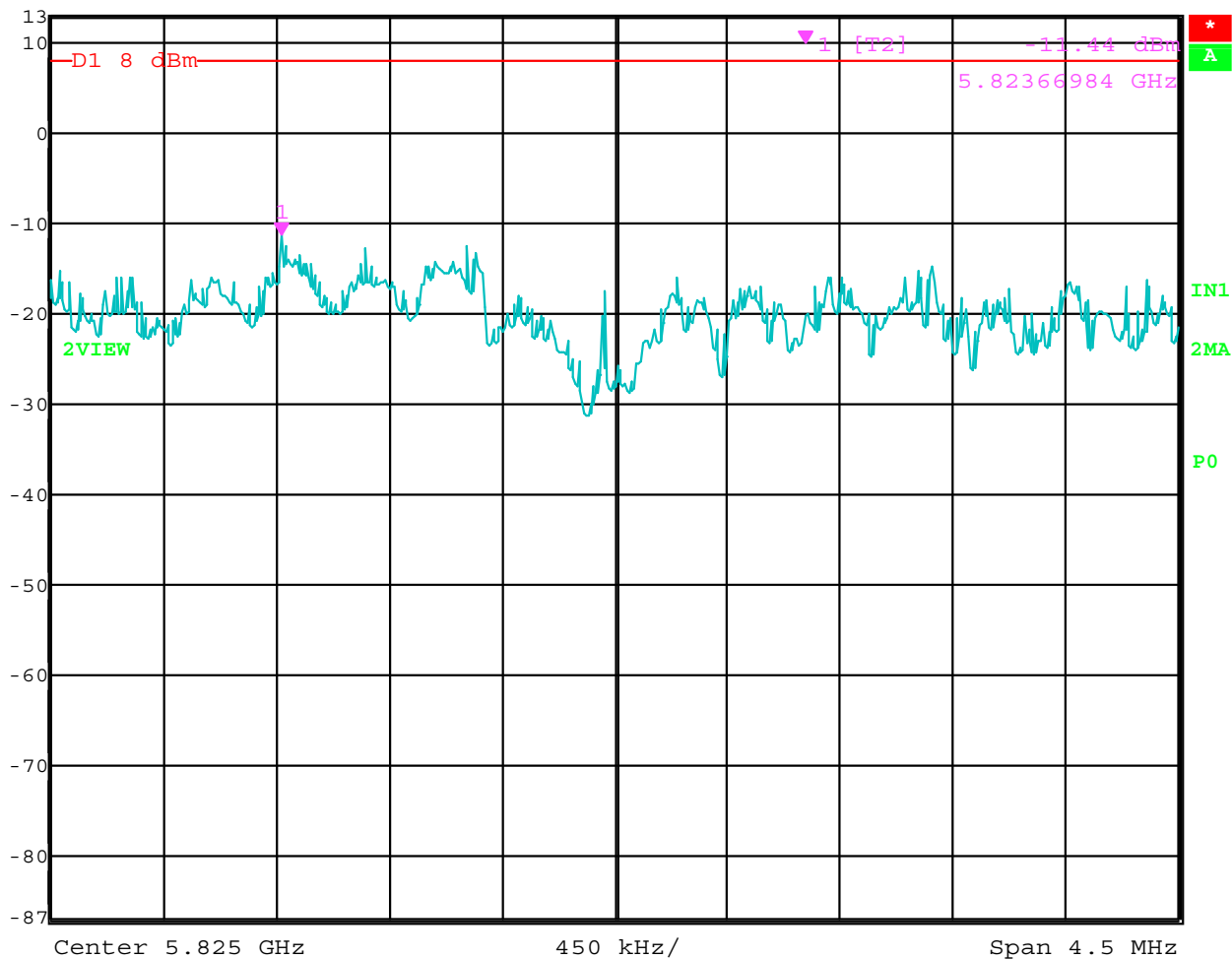


Date: 31.MAR.2005 16:50:41

Peak Power Spectral Density – Channel 157



Ref Lvl 13 dBm
Marker 1 [T2] -11.44 dBm
5.82366984 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 1500 s
Unit dBm

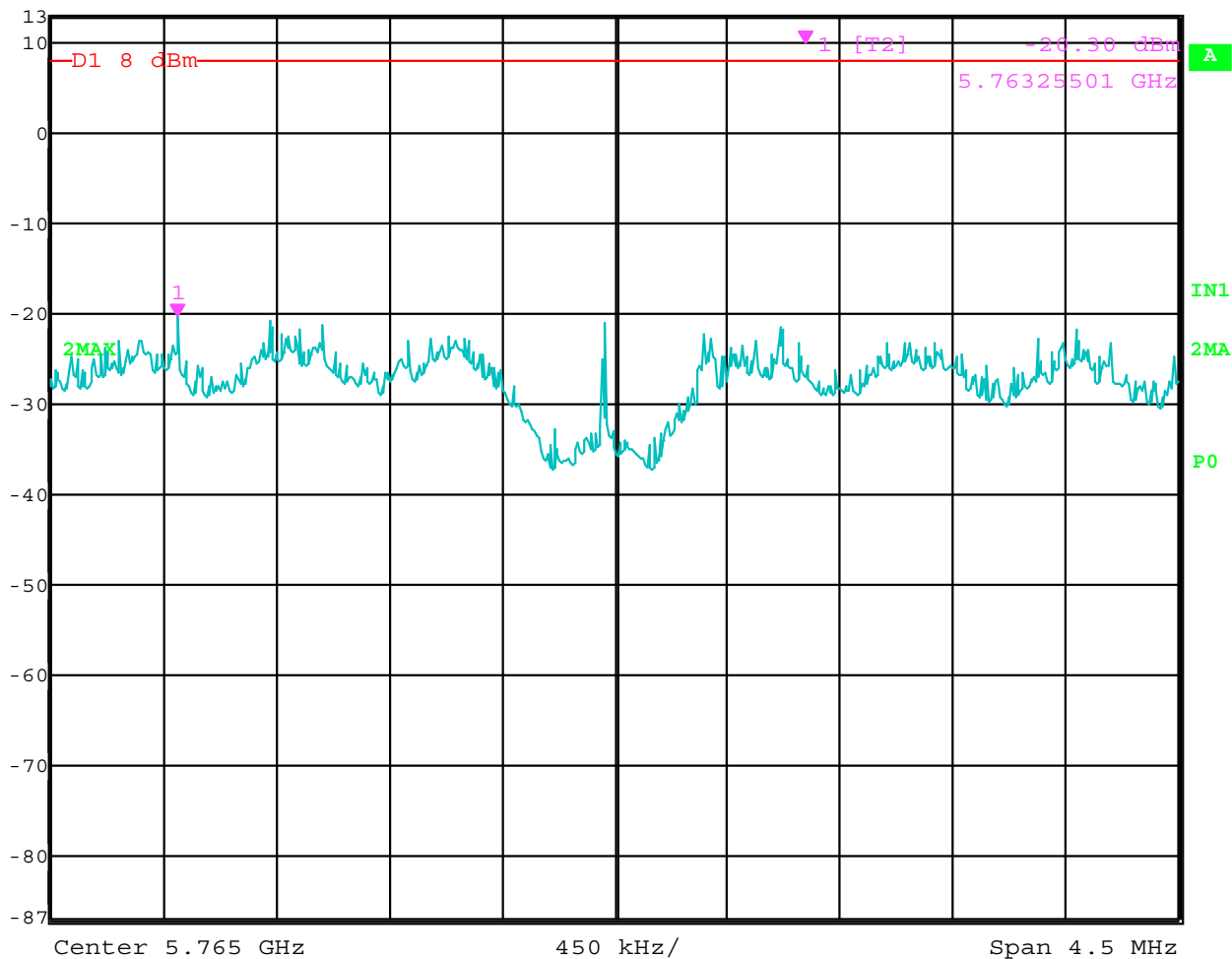


Date: 31.MAR.2005 17:19:58

Peak Power Spectral Density – Channel 165



Ref Lvl 13 dBm
Marker 1 [T2] -20.30 dBm
5.76325501 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 500 s
Unit dBm

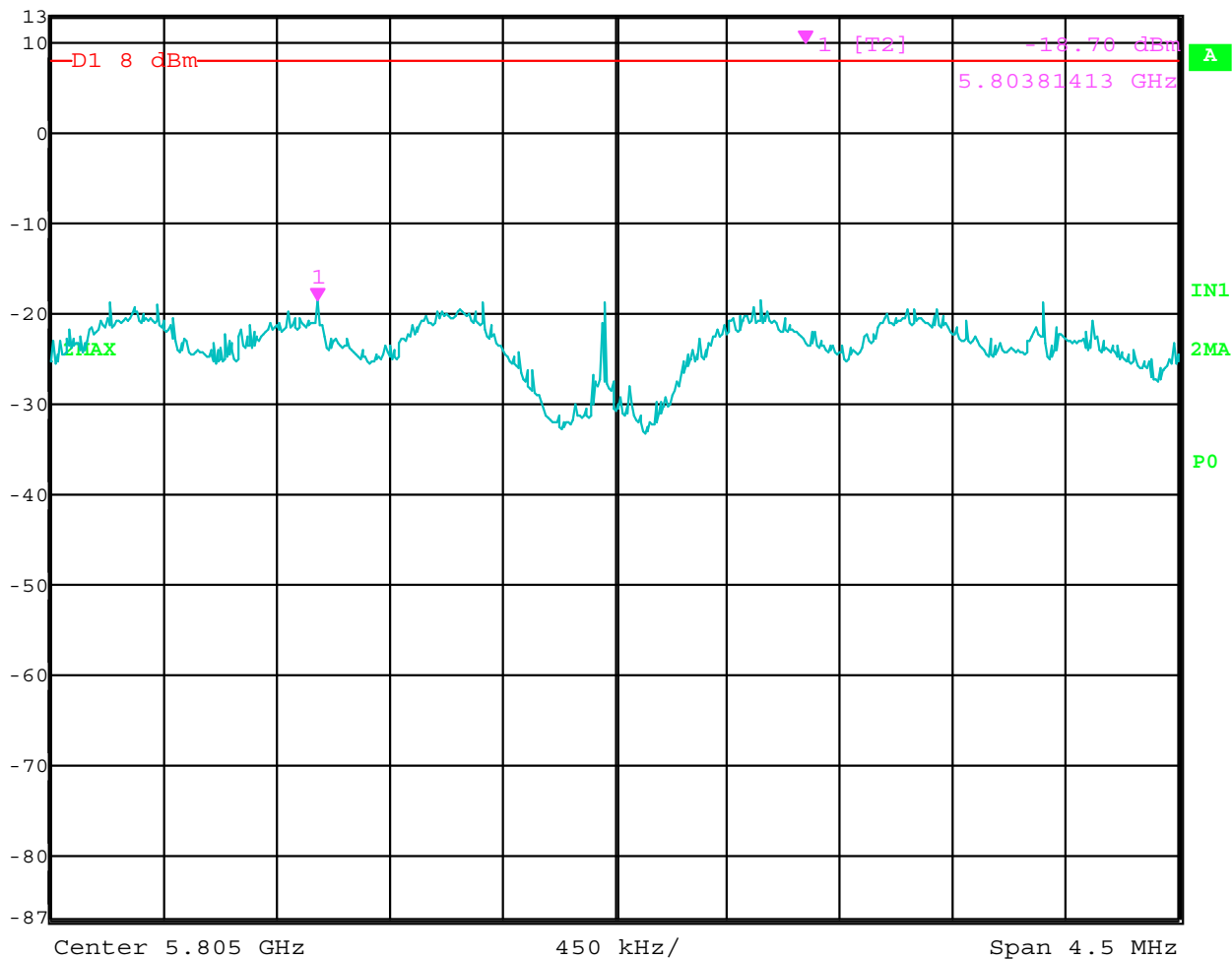


Date: 31.MAR.2005 17:51:59

Peak Power Spectral Density – 5765 MHz – Turbo Mode



Ref Lvl 13 dBm
Marker 1 [T2] -18.70 dBm
5.80381413 GHz
RBW 3 kHz
RF Att 40 dB
VBW 10 kHz
SWT 1500 s
Unit dBm



Date: 31.MAR.2005 18:40:56

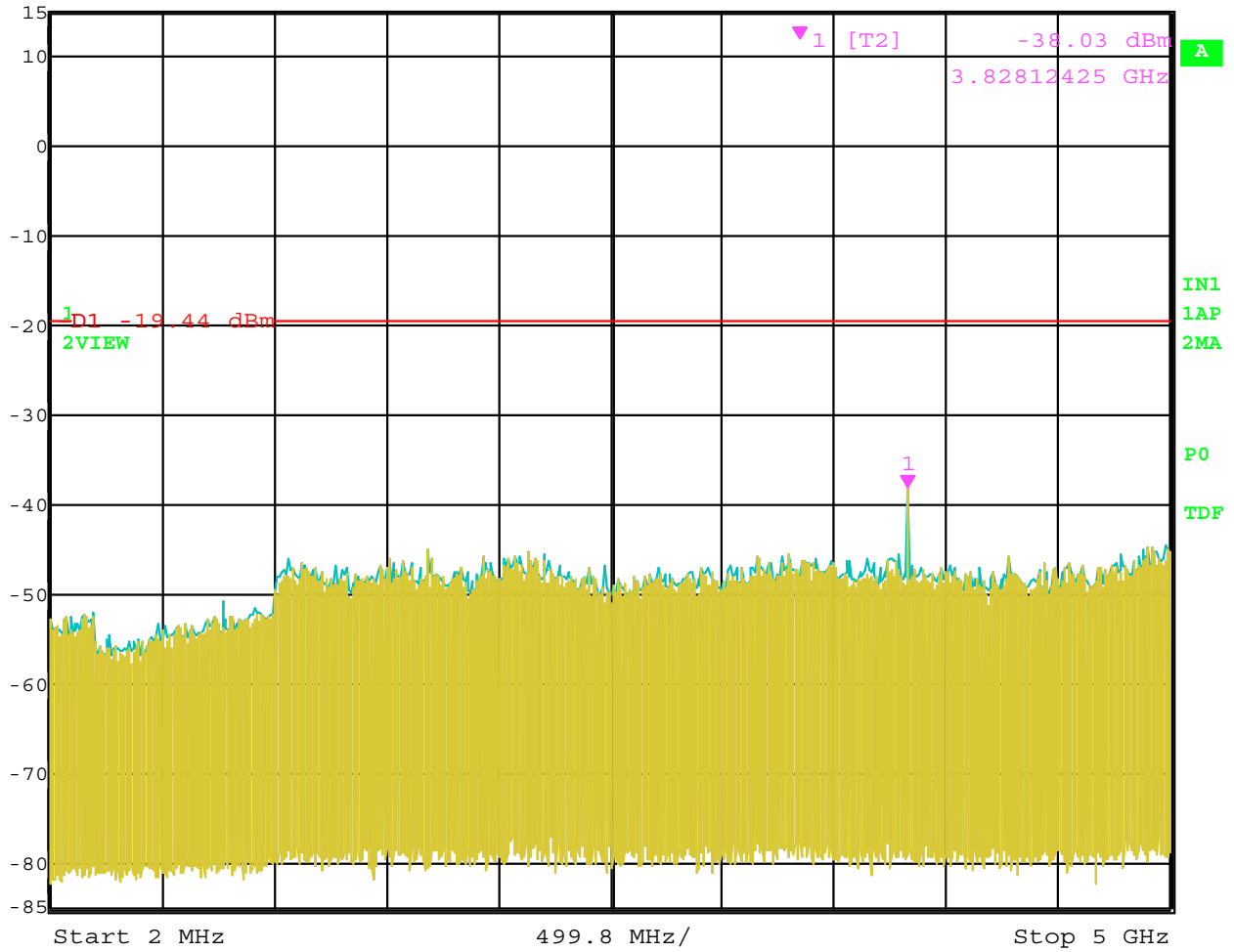
Peak Power Spectral Density – 5805 MHz – Turbo Mode

RF ANTENNA CONDUCTED

DATA SHEETS



Marker 1 [T2] RBW 100 kHz RF Att 40 dB
Ref Lvl -38.03 dBm VBW 300 kHz
15 dBm 3.82812425 GHz SWT 1.9 s Unit dBm

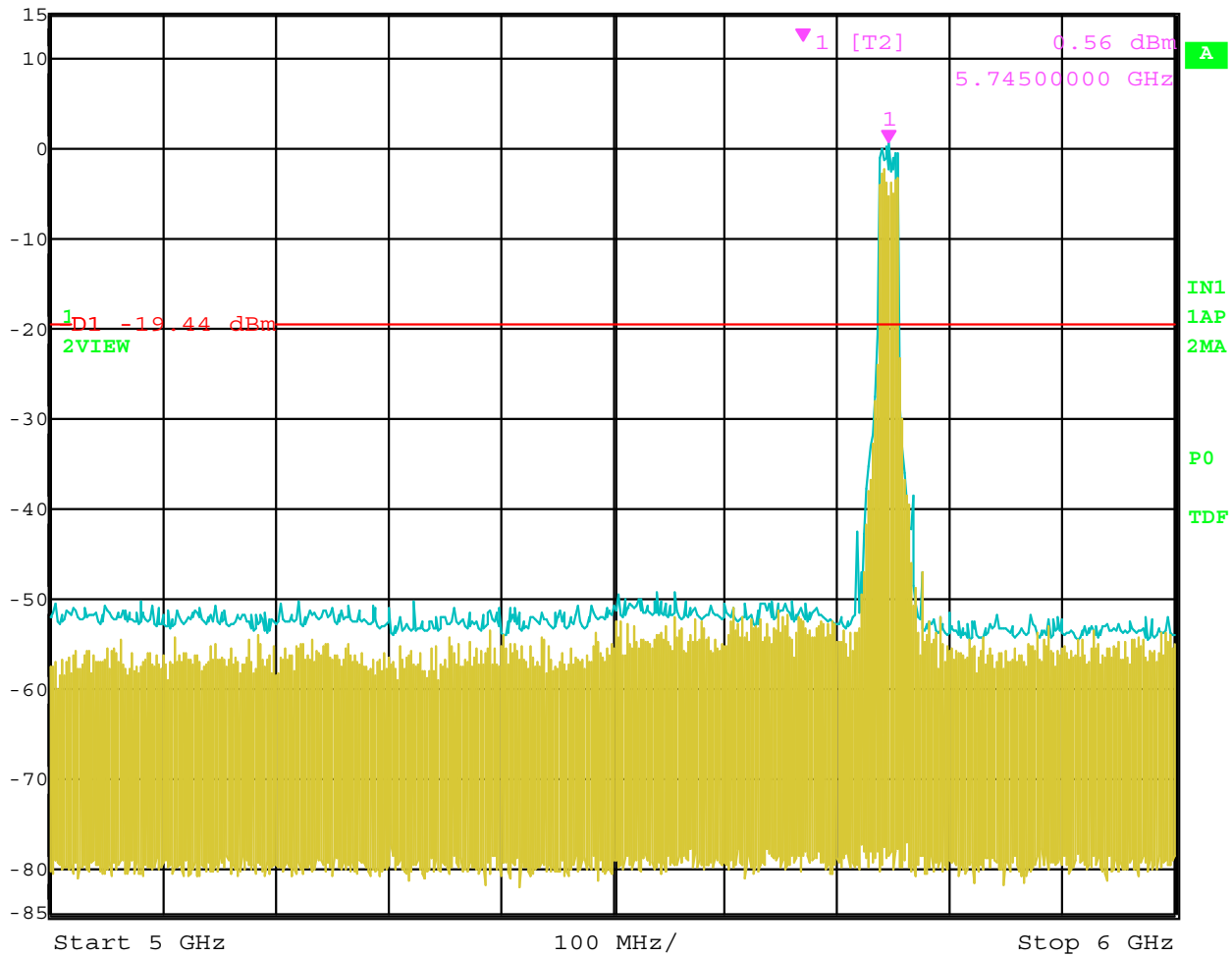


Date: 30.MAR.2005 14:48:57

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



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	30 dB
15 dBm	0.56 dBm	VBW	300 kHz		
	5.74500000 GHz	SWT	250 ms	Unit	dBm

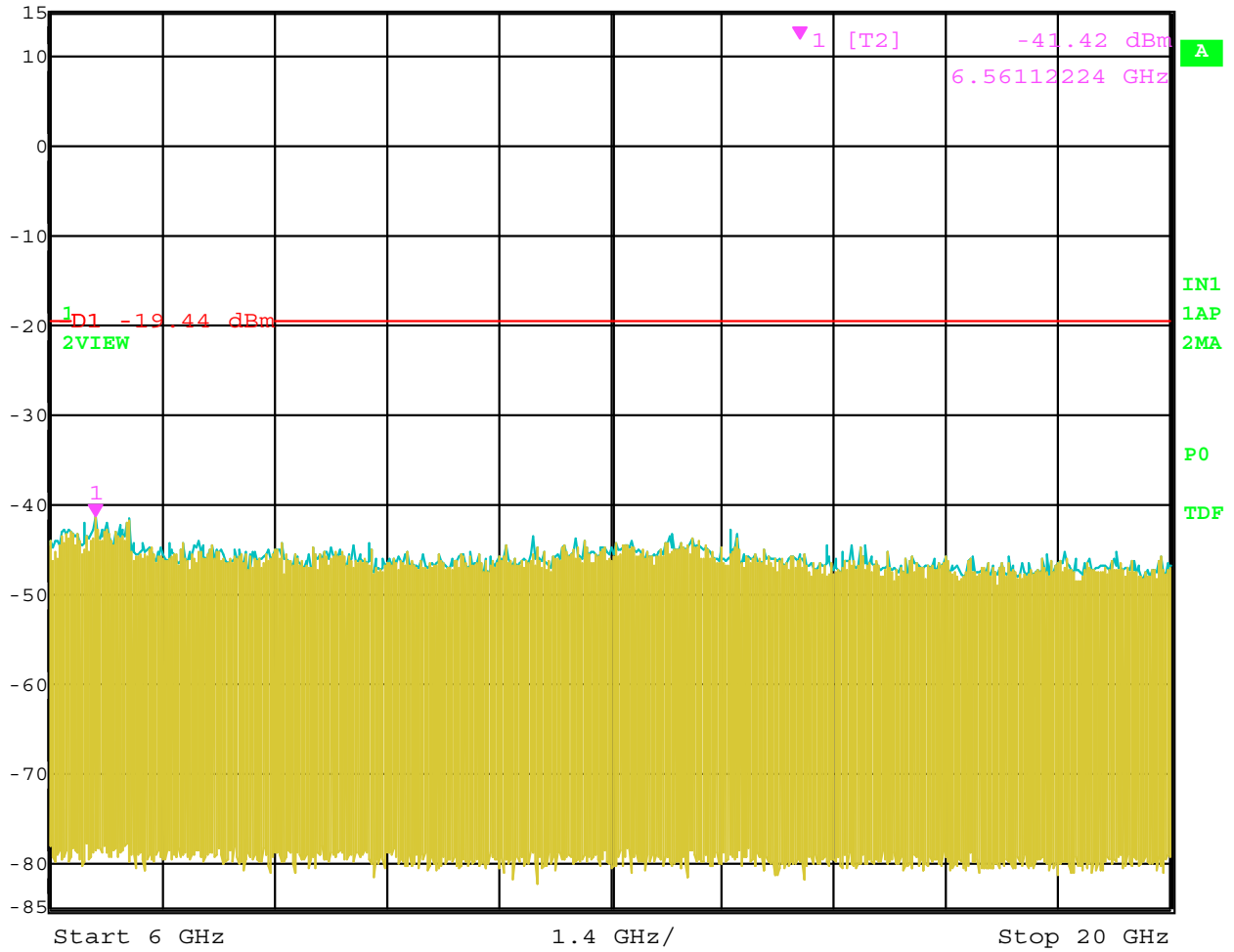


Date: 30.MAR.2005 14:48:12

RF Antenna Conducted Test – Channel 149 – 5 GHz to 6 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -41.42 dBm
6.56112224 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.5 s Unit dBm

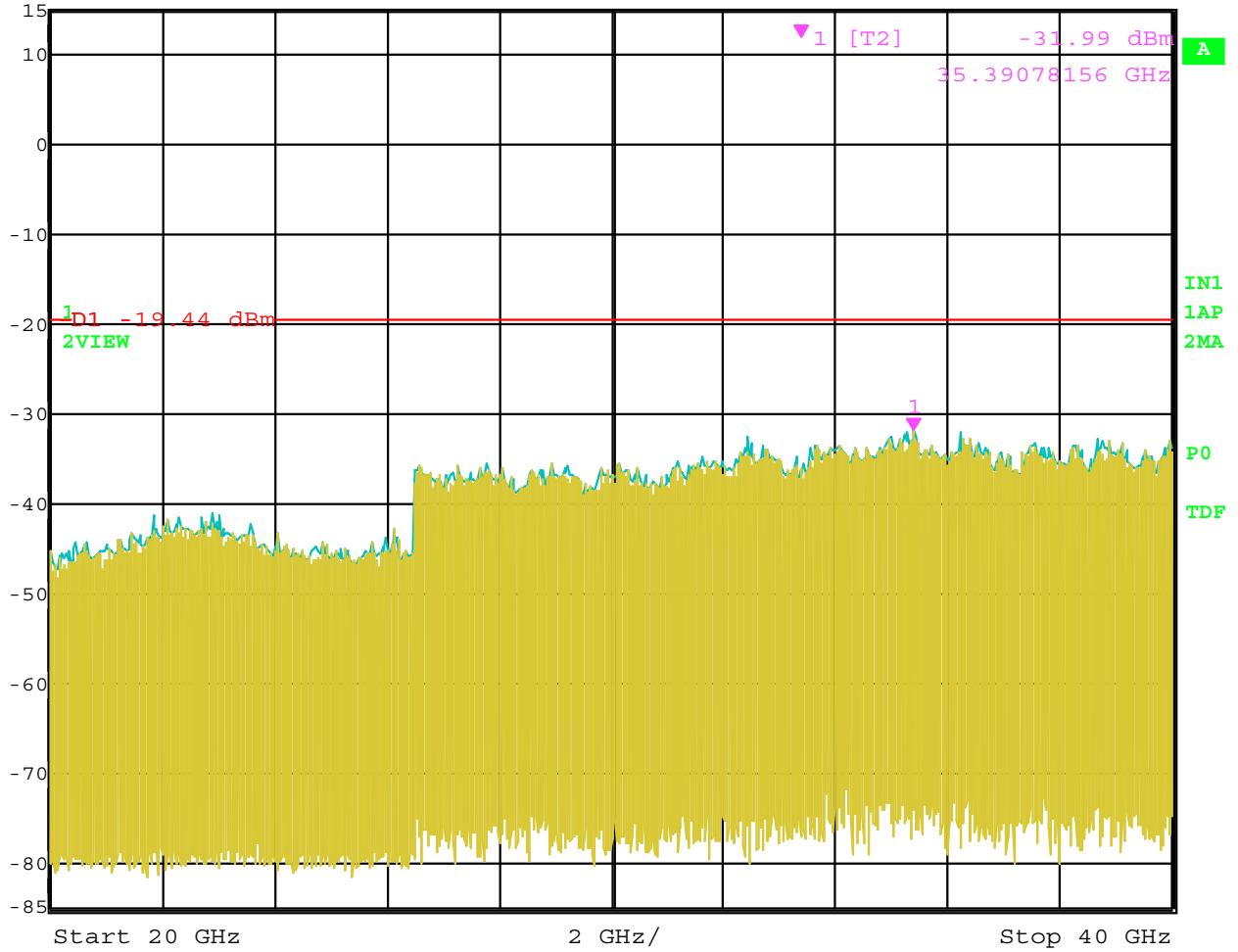


Date: 30.MAR.2005 14:50:18

RF Antenna Conducted Test – Channel 149 – 6 GHz to 20 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-31.99 dBm VBW 300 kHz
35.39078156 GHz SWT 5 s Unit dBm

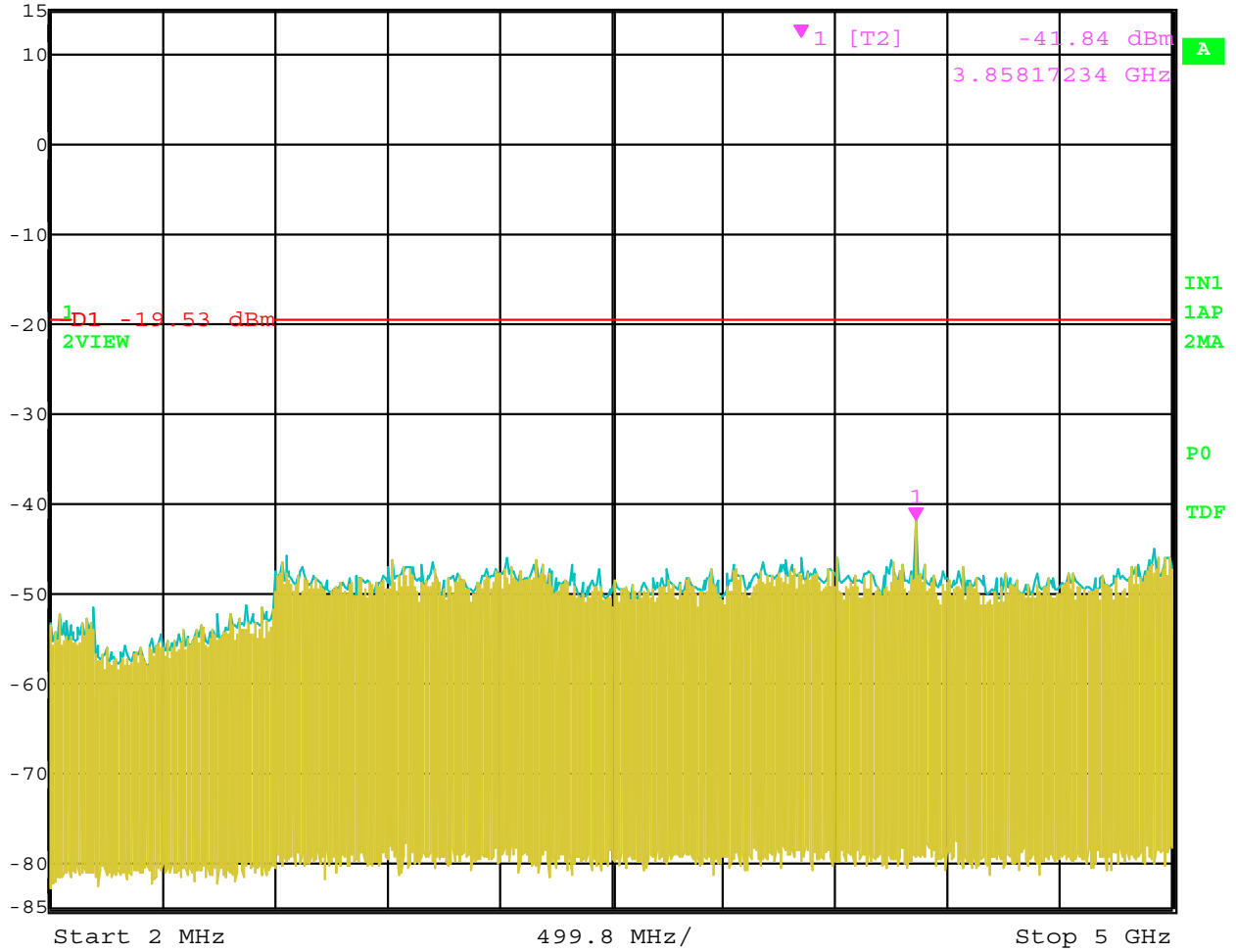


Date: 30.MAR.2005 14:50:59

RF Antenna Conducted Test – Channel 149 – 20 GHz to 40 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -41.84 dBm
3.85817234 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 1.9 s Unit dBm

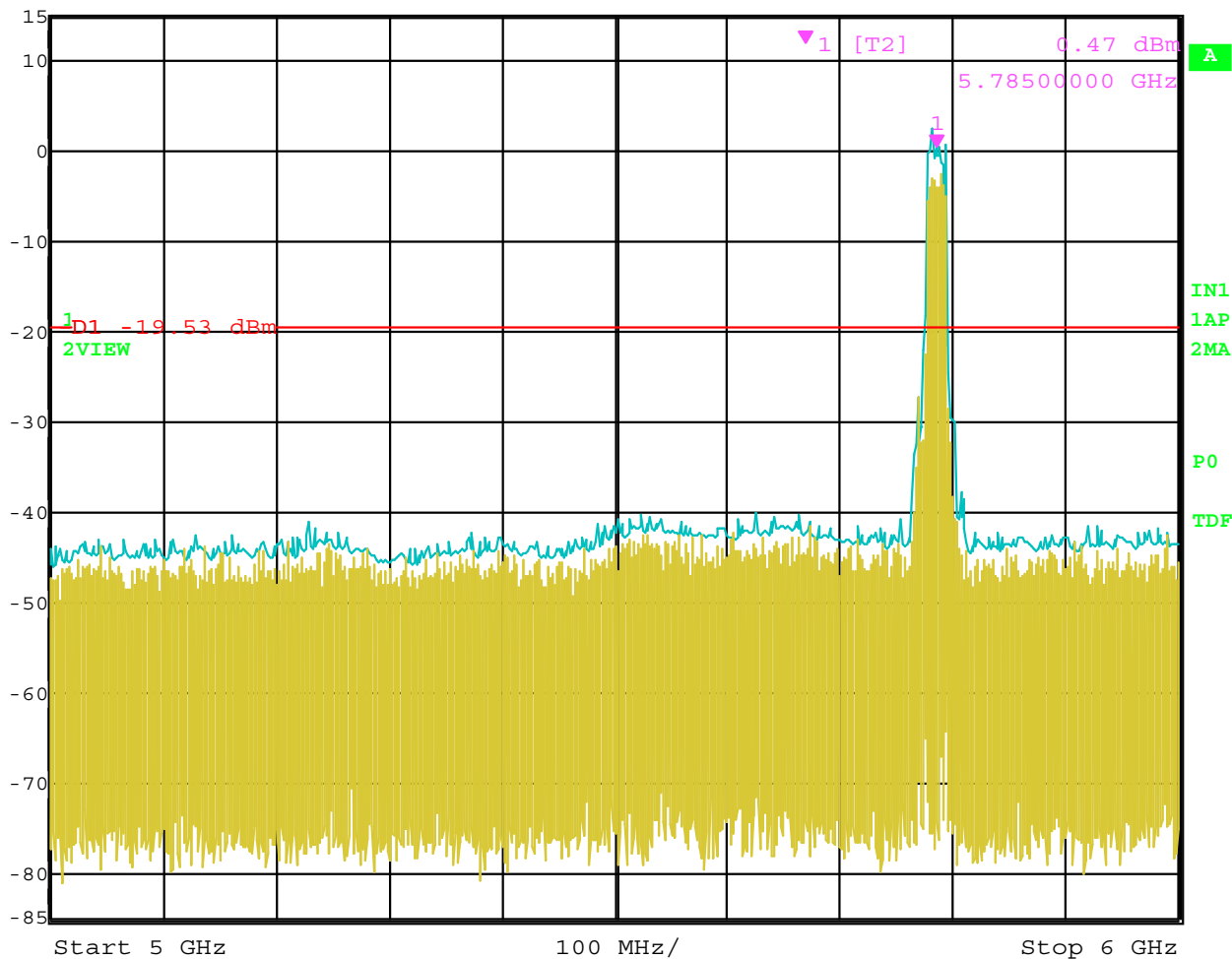


Date: 30.MAR.2005 15:05:24

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



Ref Lvl 15 dBm
Marker 1 [T2] 0.47 dBm
5.78500000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

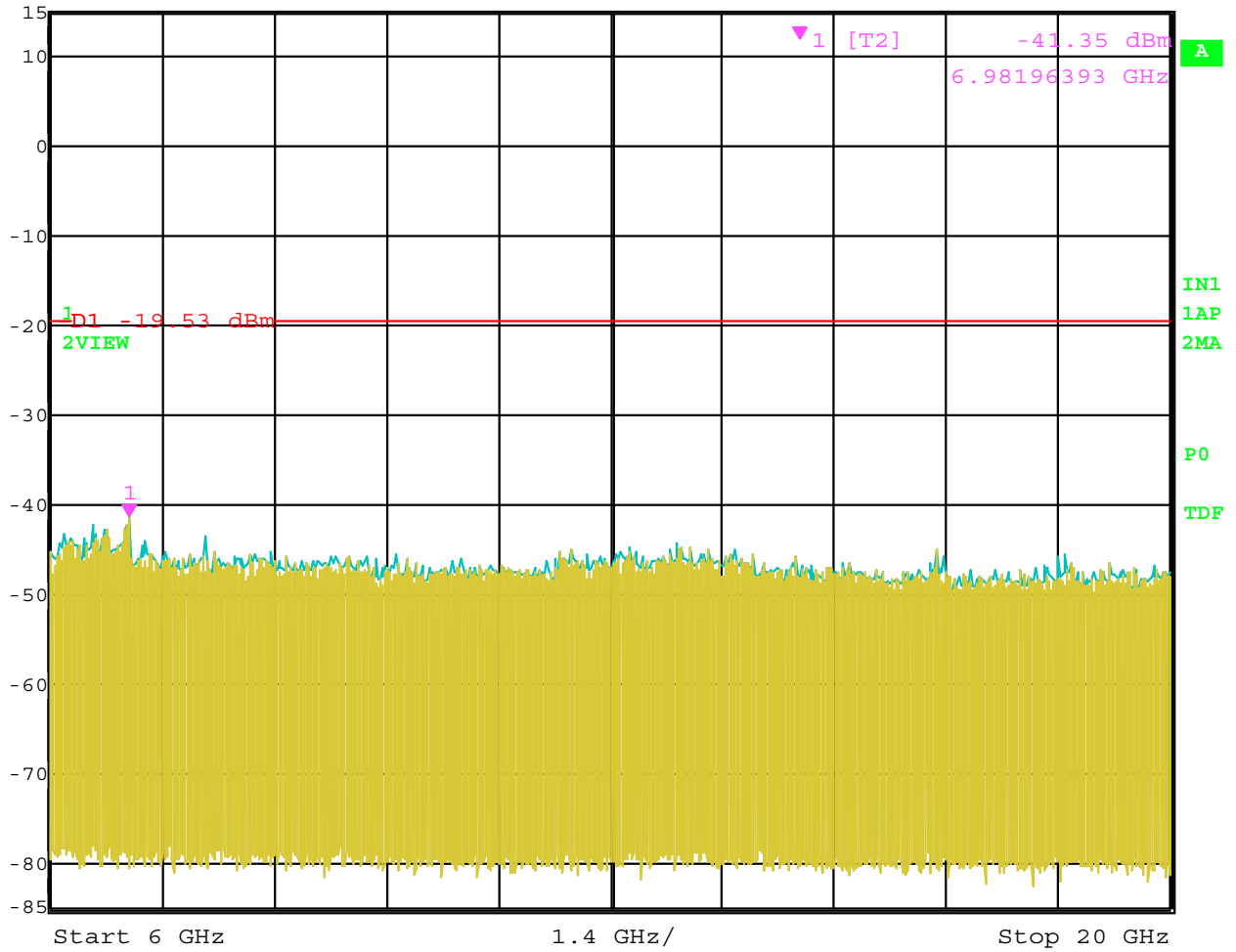


Date: 30.MAR.2005 15:04:43

RF Antenna Conducted Test – Channel 157 – 5 GHz to 6 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -41.35 dBm
6.98196393 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 3.5 s Unit dBm

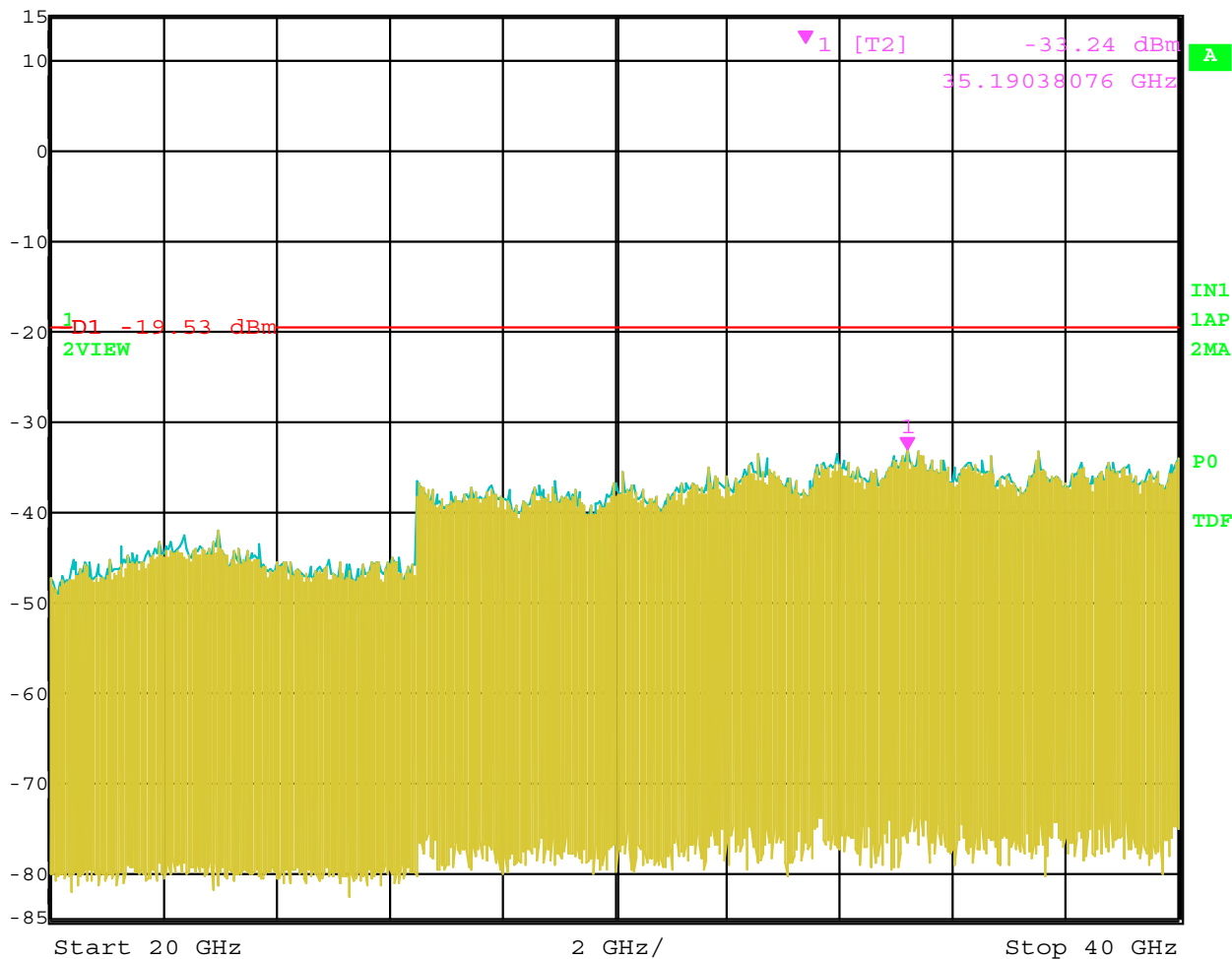


Date: 30.MAR.2005 15:06:03

RF Antenna Conducted Test – Channel 157 – 6 GHz to 20 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -33.24 dBm
35.19038076 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 5 s Unit dBm

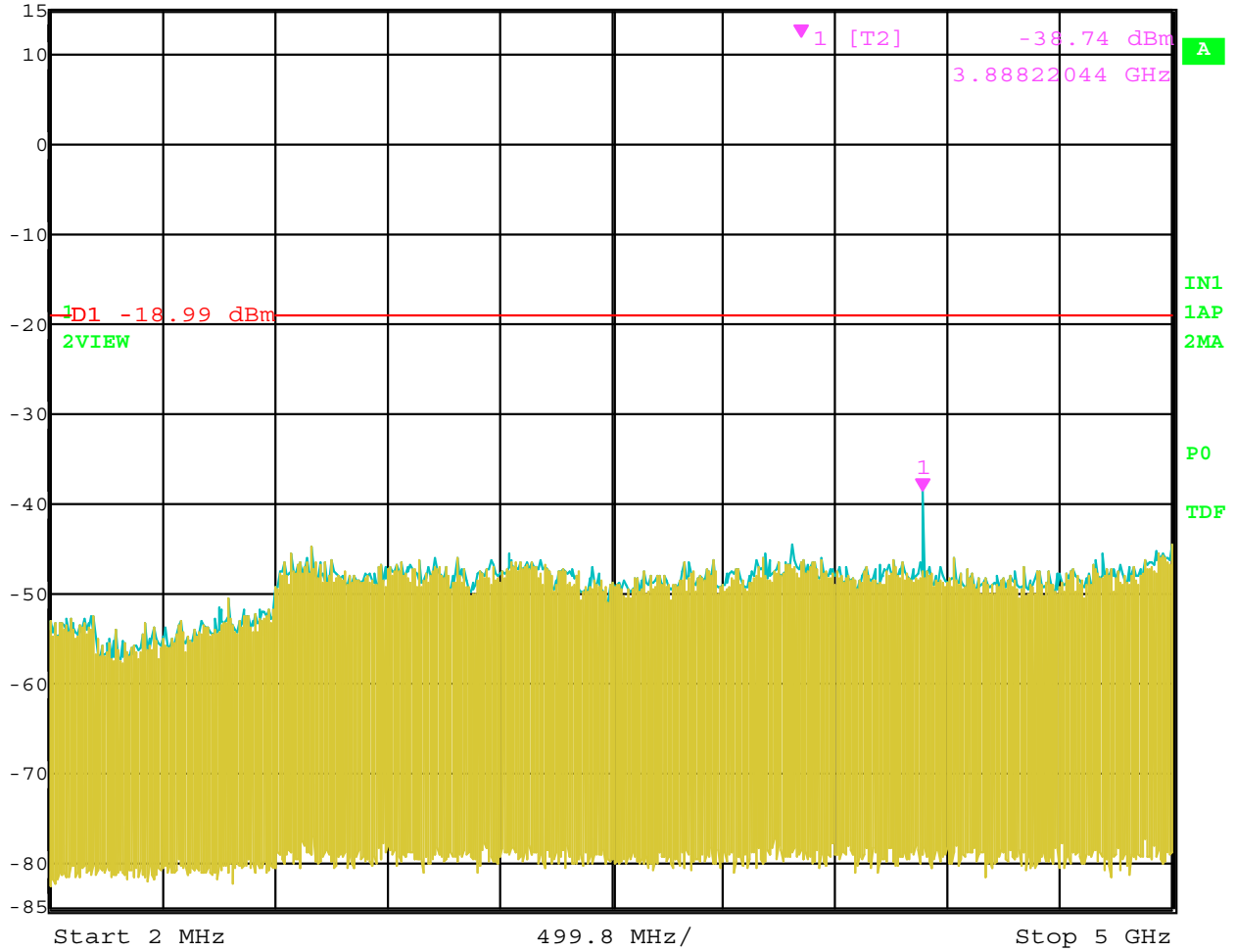


Date: 30.MAR.2005 15:06:43

RF Antenna Conducted Test – Channel 157 – 20 GHz to 40 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	-38.74 dBm	VBW	300 kHz		
	3.88822044 GHz	SWT	1.9 s	Unit	dBm

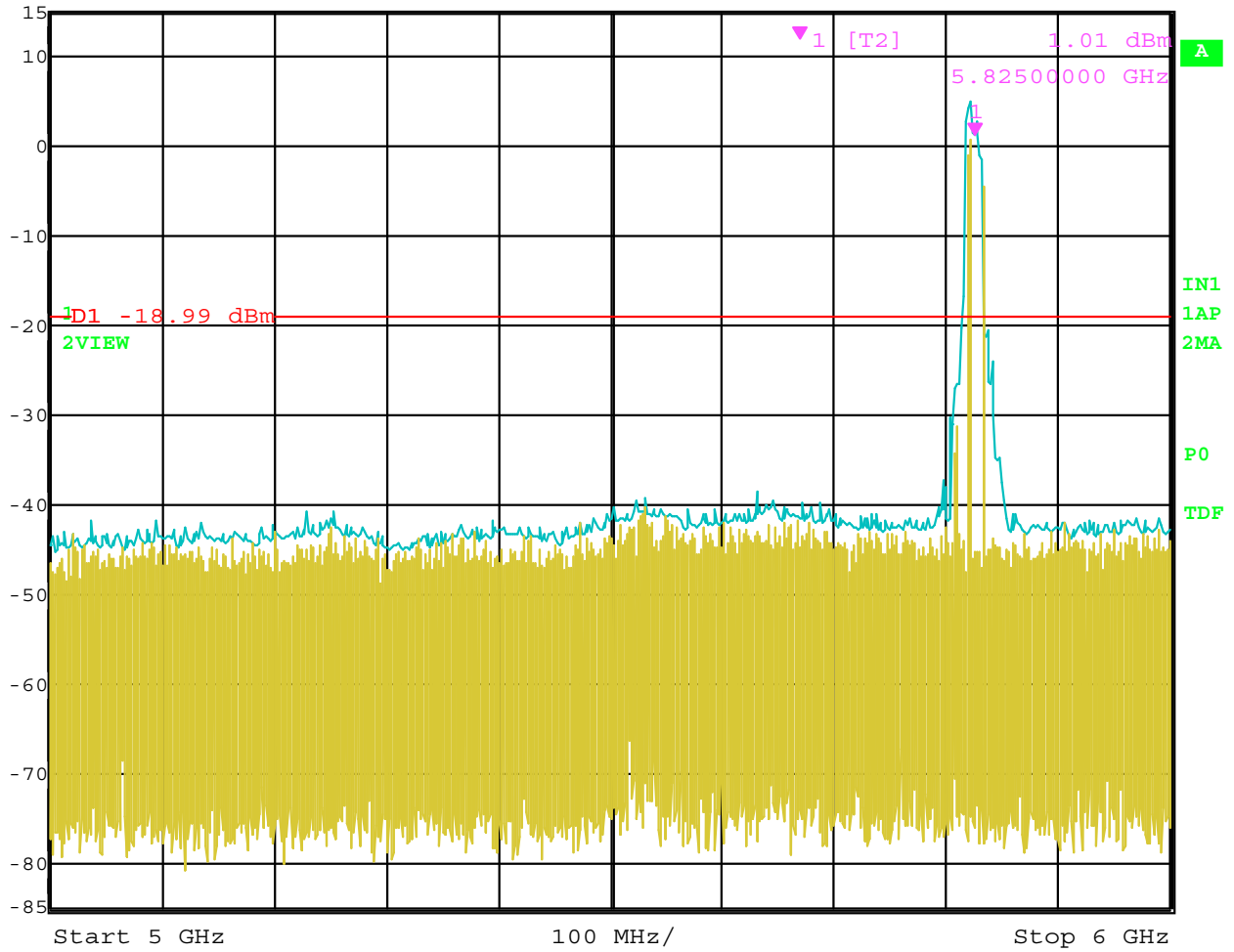


Date: 30.MAR.2005 17:02:06

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



Ref Lvl 15 dBm
Marker 1 [T2] 1.01 dBm
5.82500000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

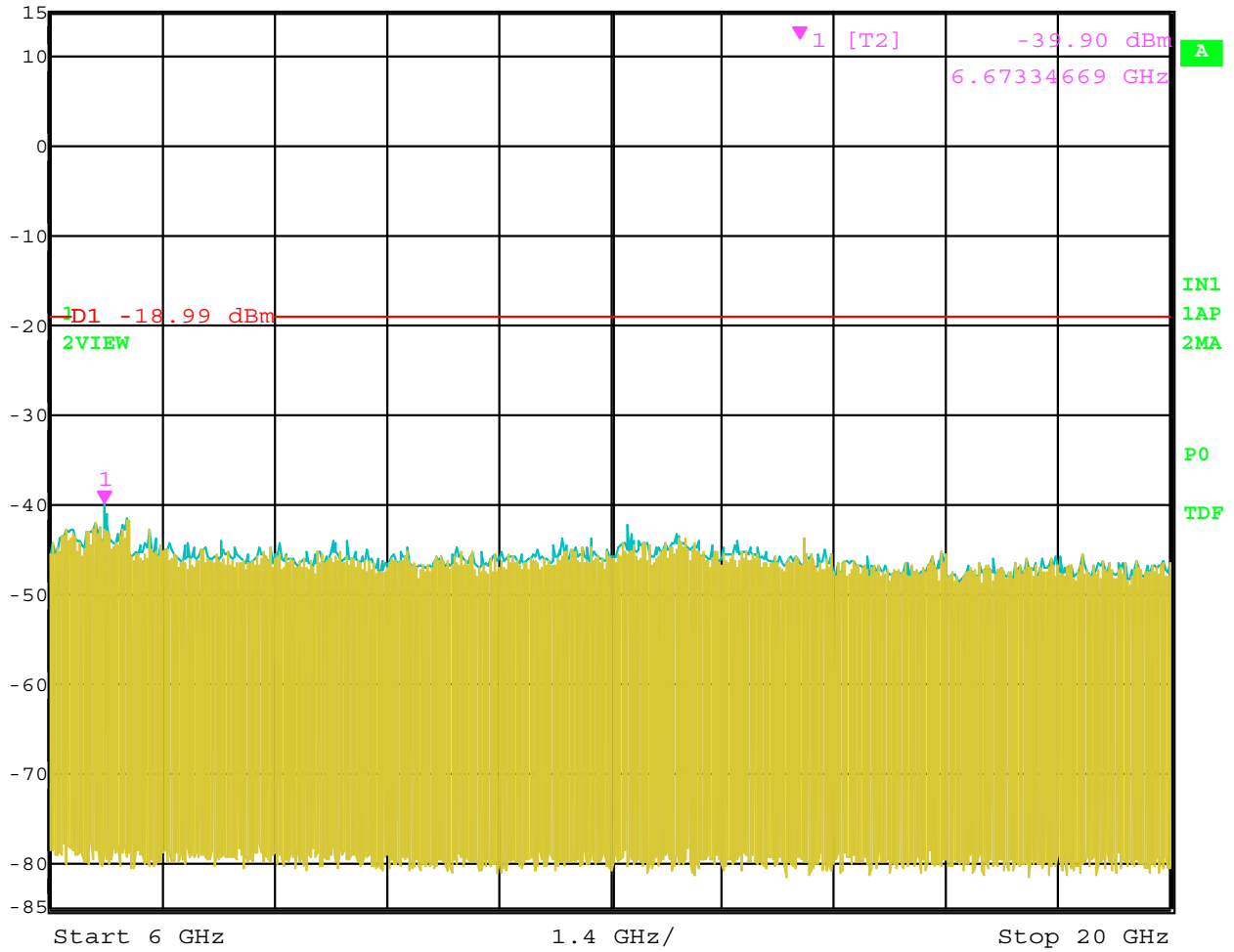


Date: 30.MAR.2005 17:01:34

RF Antenna Conducted Test – Channel 165 – 5 GHz to 6 GHz



Ref Lvl 15 dBm Marker 1 [T2] -39.90 dBm RBW 100 kHz RF Att 40 dB
6.67334669 GHz VBW 300 kHz Unit dBm
SWT 3.5 s

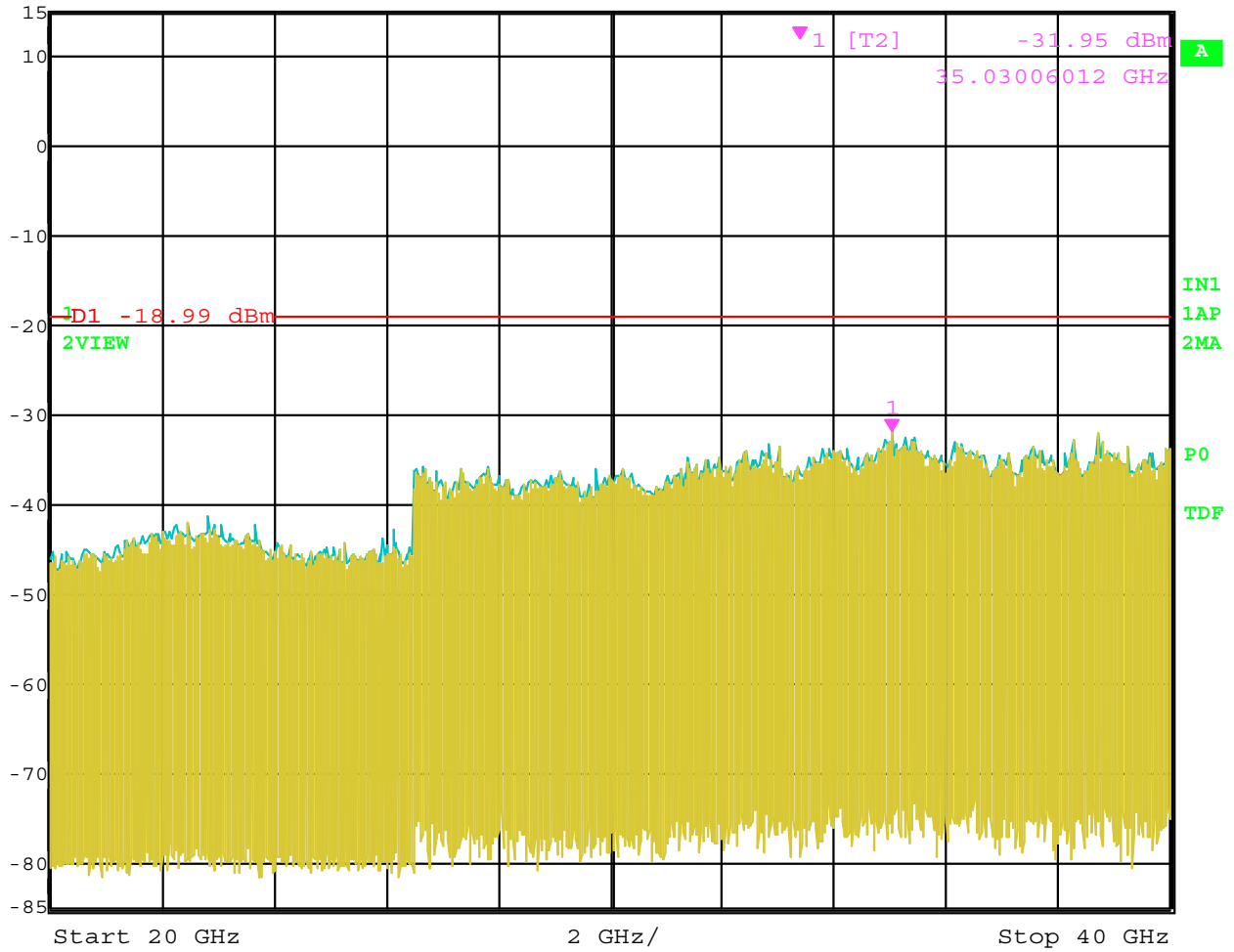


Date: 30.MAR.2005 17:02:42

RF Antenna Conducted Test – Channel 165 – 6 GHz to 20 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-31.95 dBm VBW 300 kHz
35.03006012 GHz SWT 5 s Unit dBm

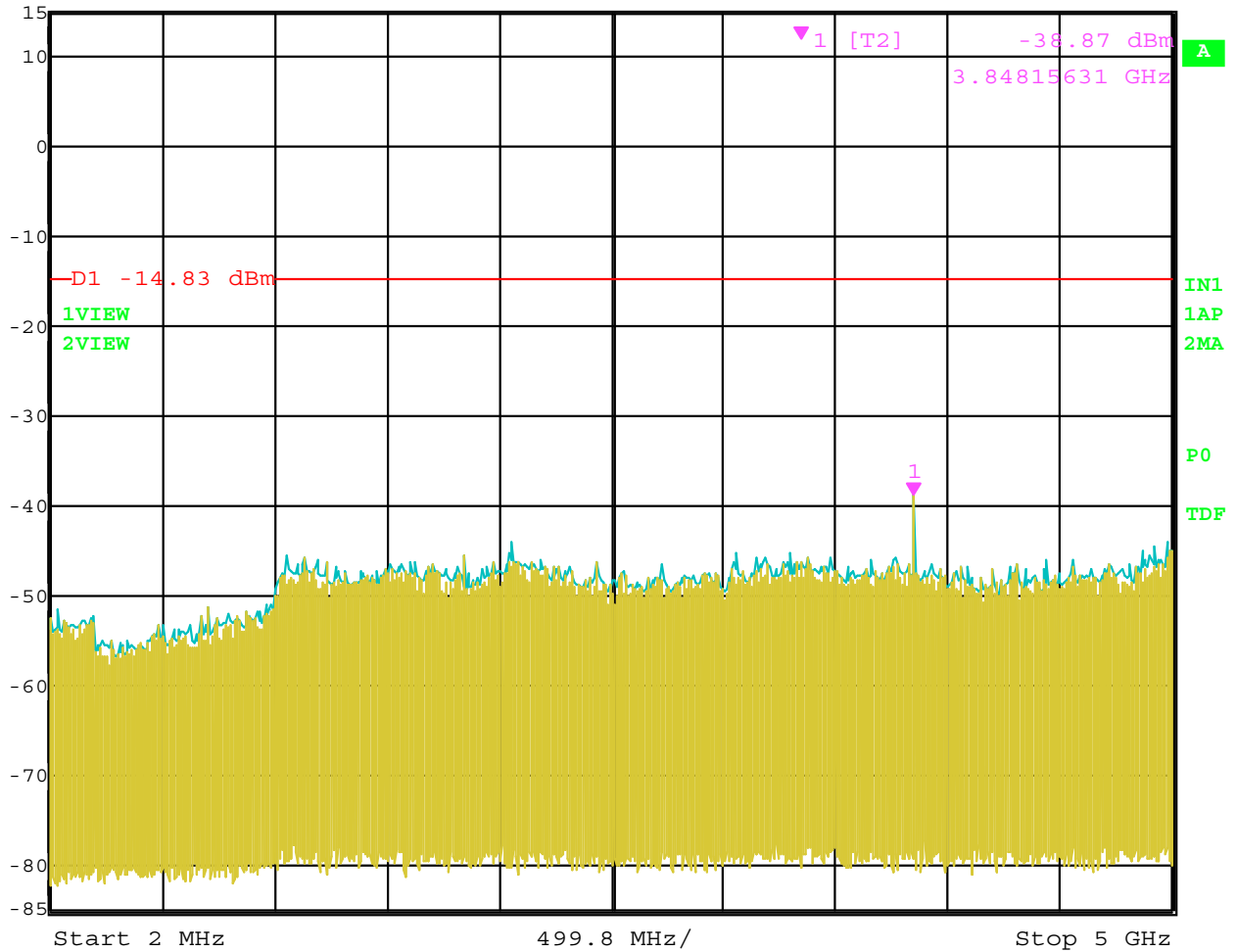


Date: 30.MAR.2005 17:07:33

RF Antenna Conducted Test – Channel 165 – 20 GHz to 40 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-38.87 dBm VBW 300 kHz
3.84815631 GHz SWT 1.9 s Unit dBm

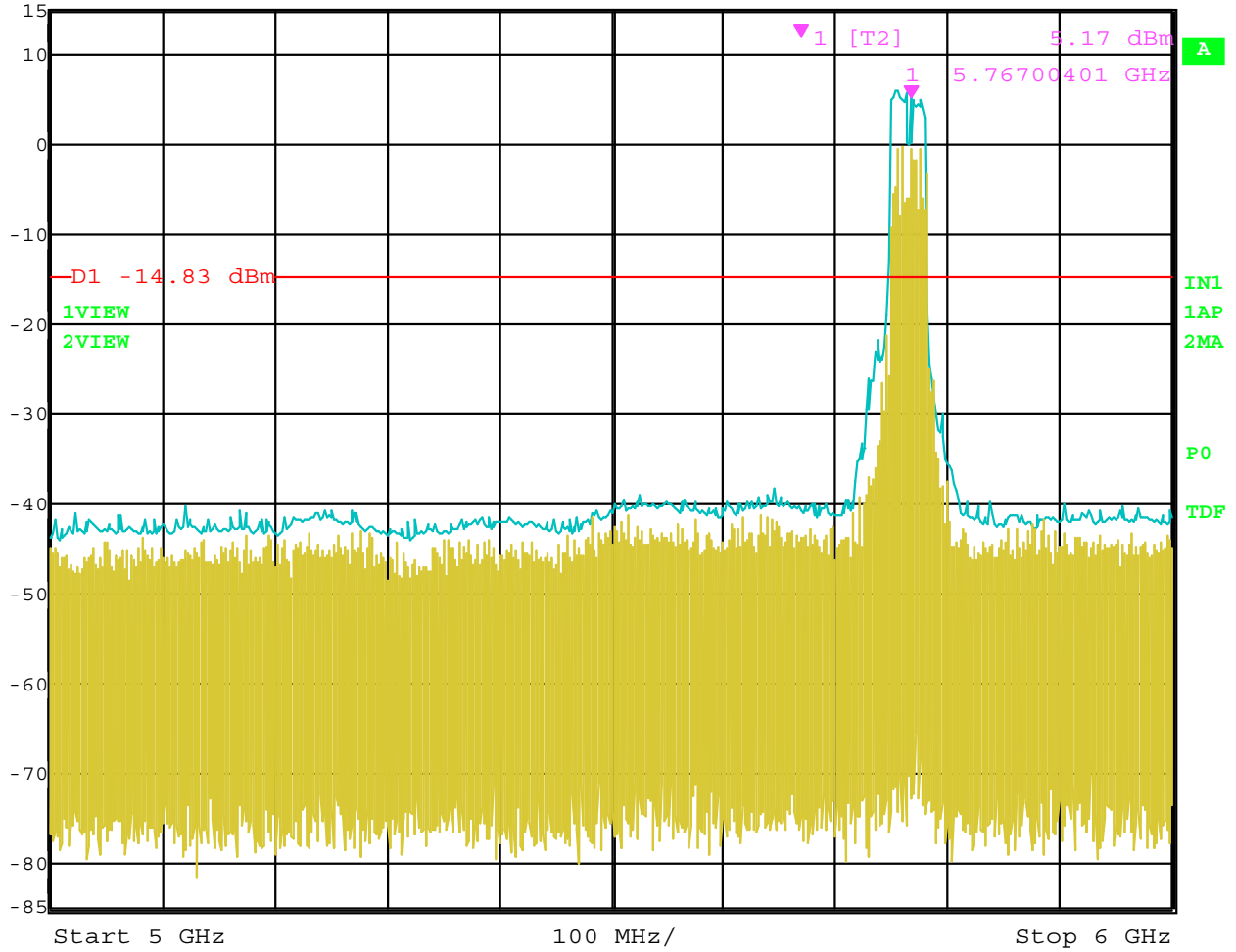


Date: 30.MAR.2005 17:13:46

RF Antenna Conducted Test – 5765 MHz – Turbo Mode – 2 MHz to 5 GHz



Ref Lvl 15 dBm
Marker 1 [T2] 5.17 dBm
5.76700401 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

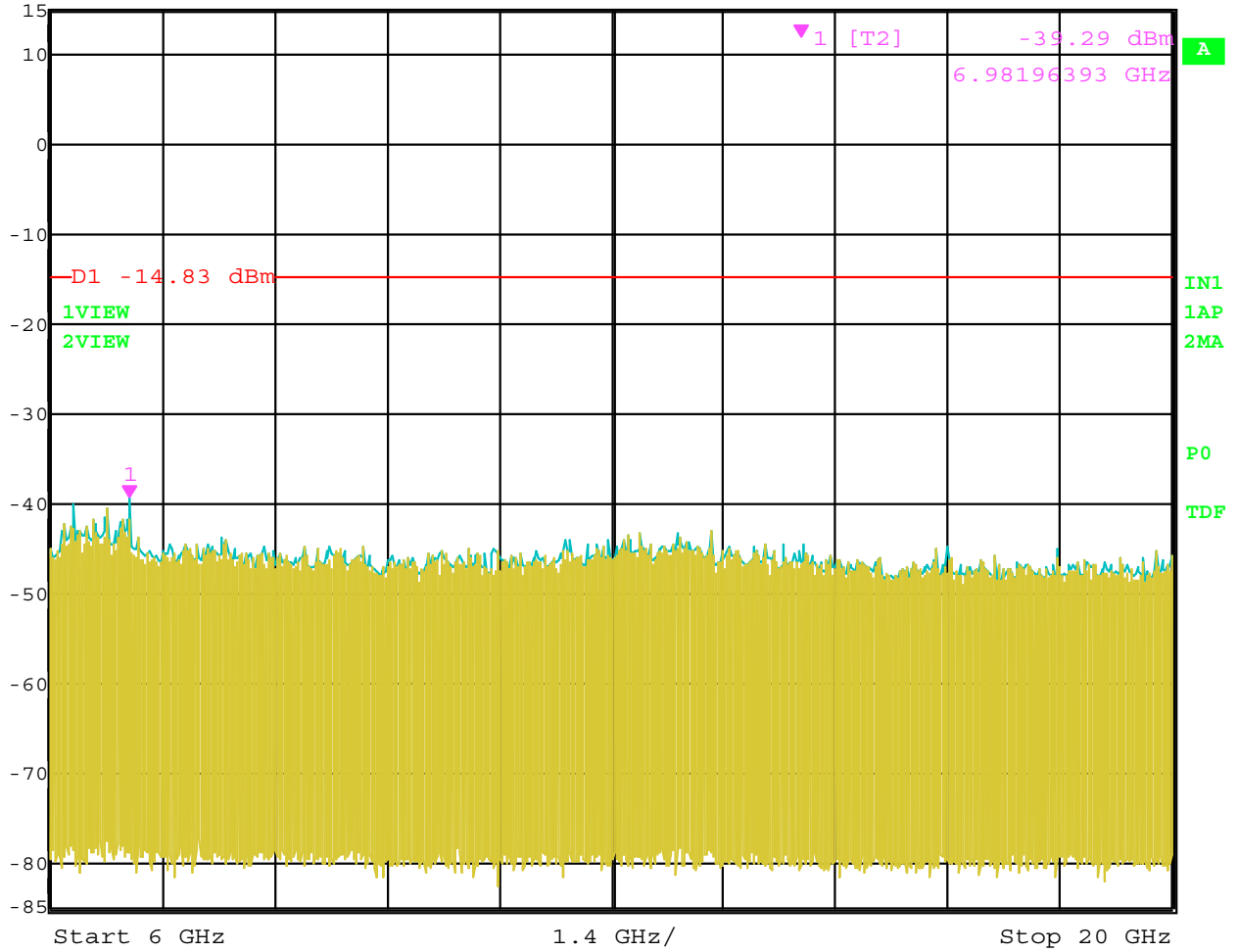


Date: 30.MAR.2005 17:13:06

RF Antenna Conducted Test – 5765 MHz – Turbo Mode – 5 GHz to 6 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-39.29 dBm VBW 300 kHz
6.98196393 GHz SWT 3.5 s Unit dBm

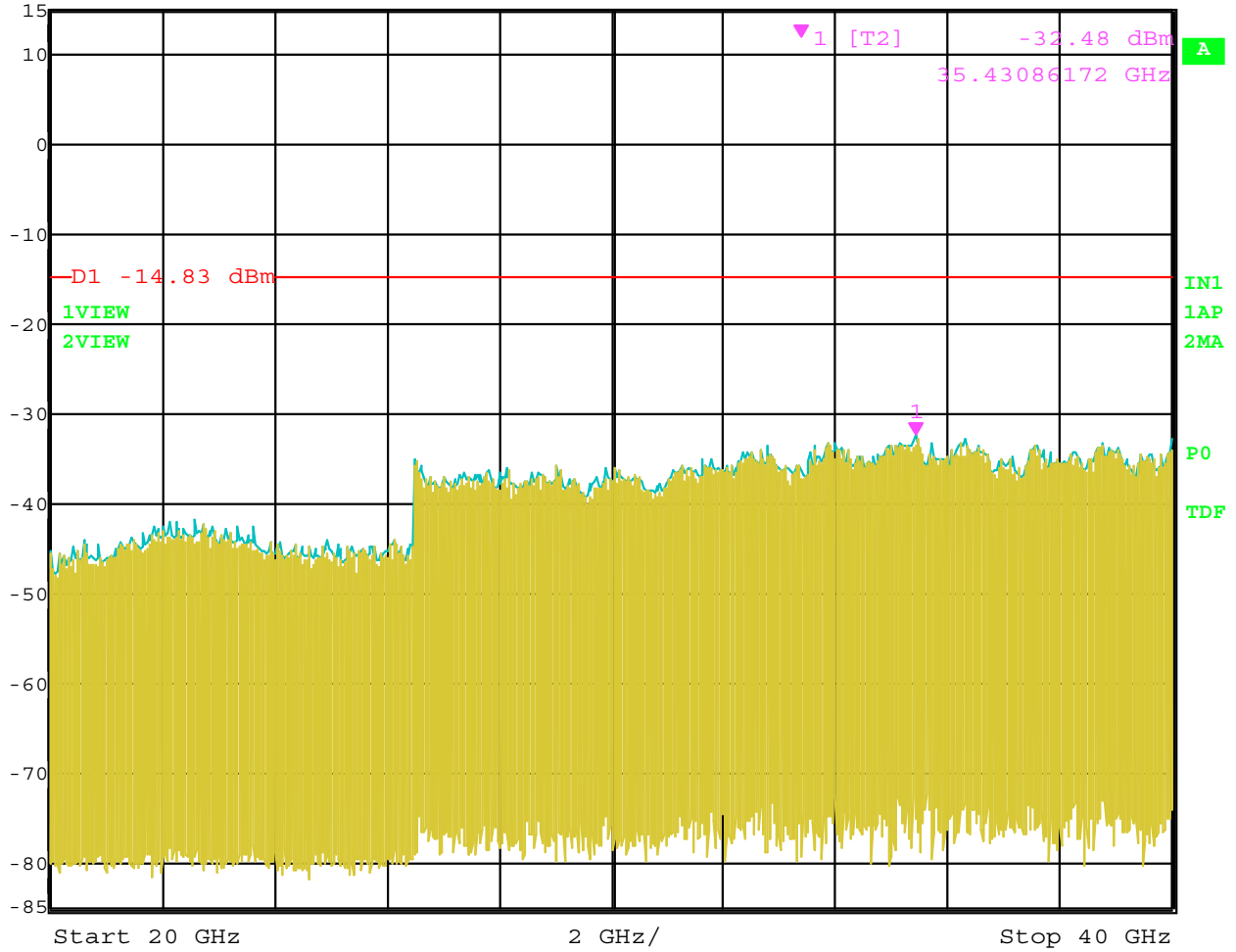


Date: 30.MAR.2005 17:14:20

RF Antenna Conducted Test – 5765 MHz – Turbo Mode – 6 GHz to 20 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-32.48 dBm VBW 300 kHz
35.43086172 GHz SWT 5 s Unit dBm

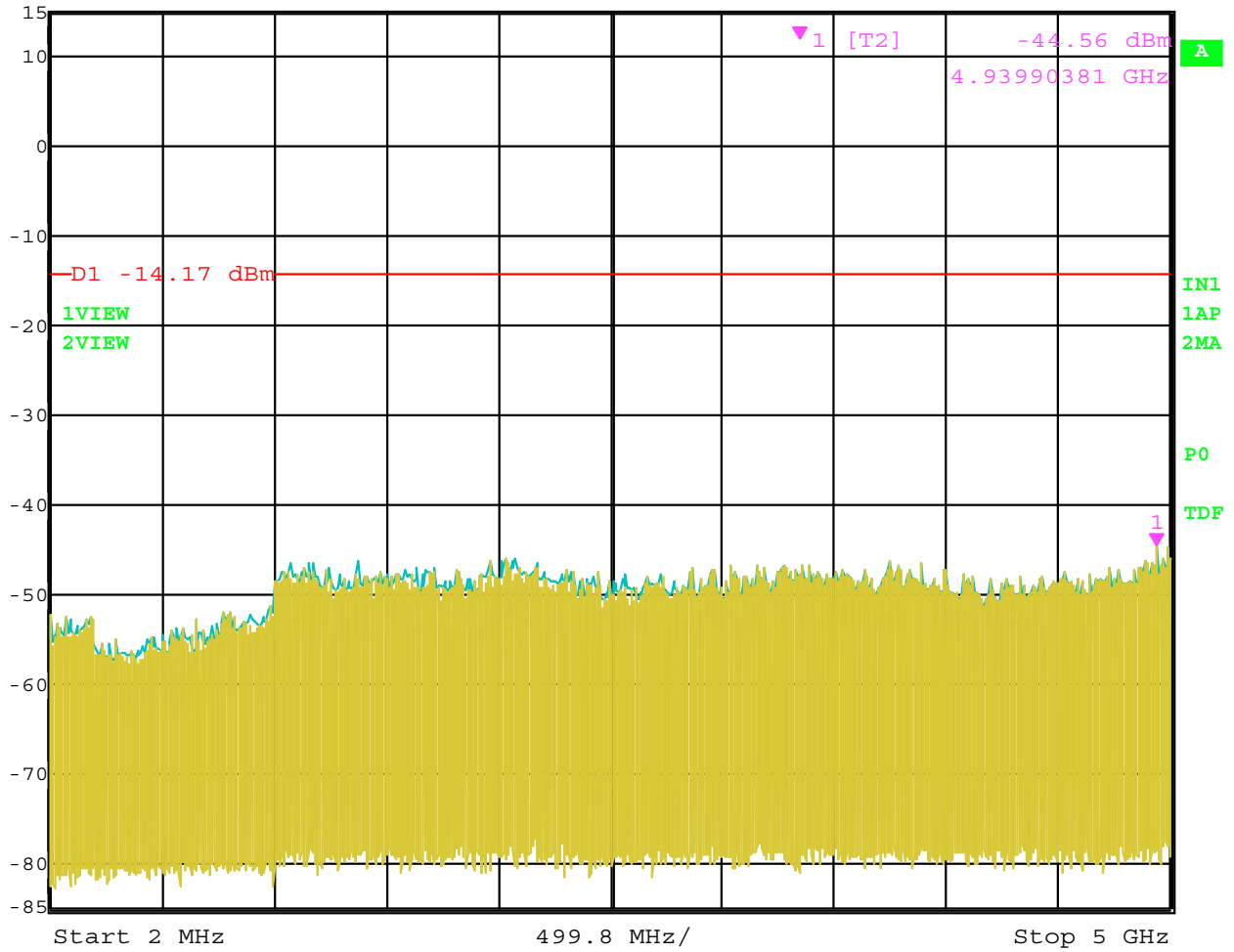


Date: 30.MAR.2005 17:14:56

RF Antenna Conducted Test – 5765 MHz – Turbo Mode – 20 GHz to 40 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-44.56 dBm VBW 300 kHz
4.93990381 GHz SWT 1.9 s Unit dBm

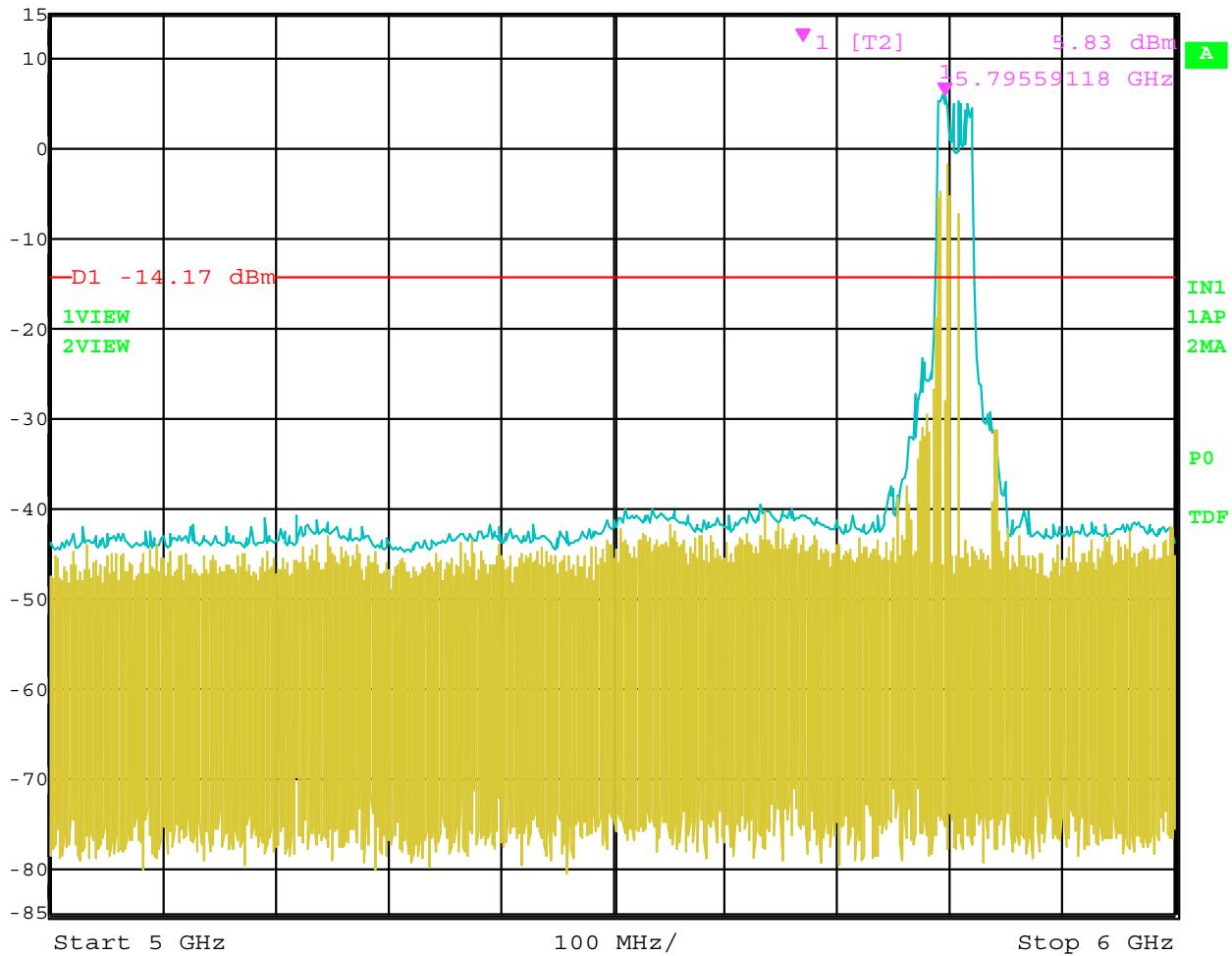


Date: 30.MAR.2005 17:40:29

RF Antenna Conducted Test – 5805 MHz – Turbo Mode – 2 MHz to 5 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	5.83 dBm	VBW	300 kHz		
	5.79559118 GHz	SWT	250 ms	Unit	dBm

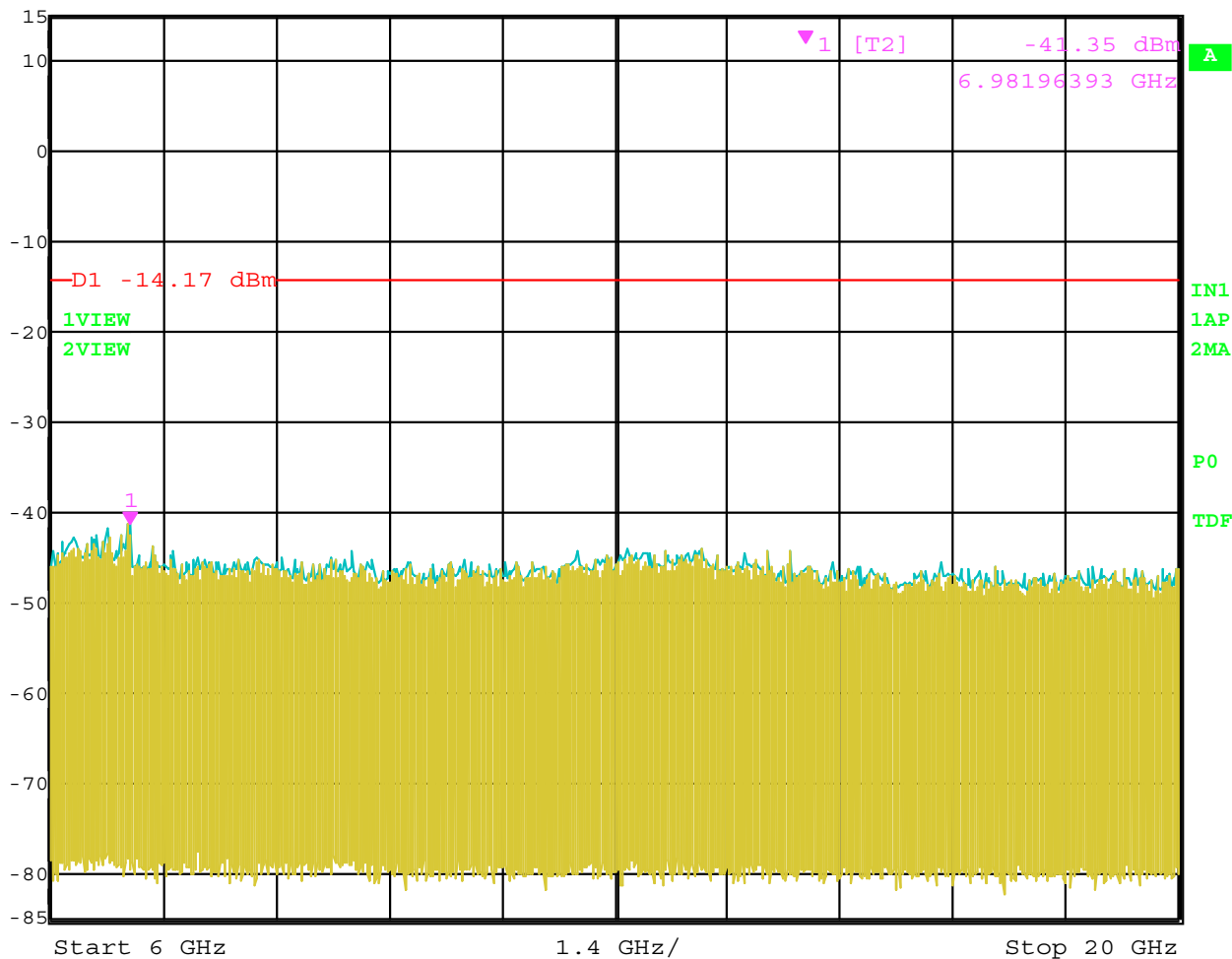


Date: 30.MAR.2005 17:39:50

RF Antenna Conducted Test – 5805 MHz – Turbo Mode – 5 GHz to 6 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -41.35 dBm
6.98196393 GHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 3.5 s
Unit dBm

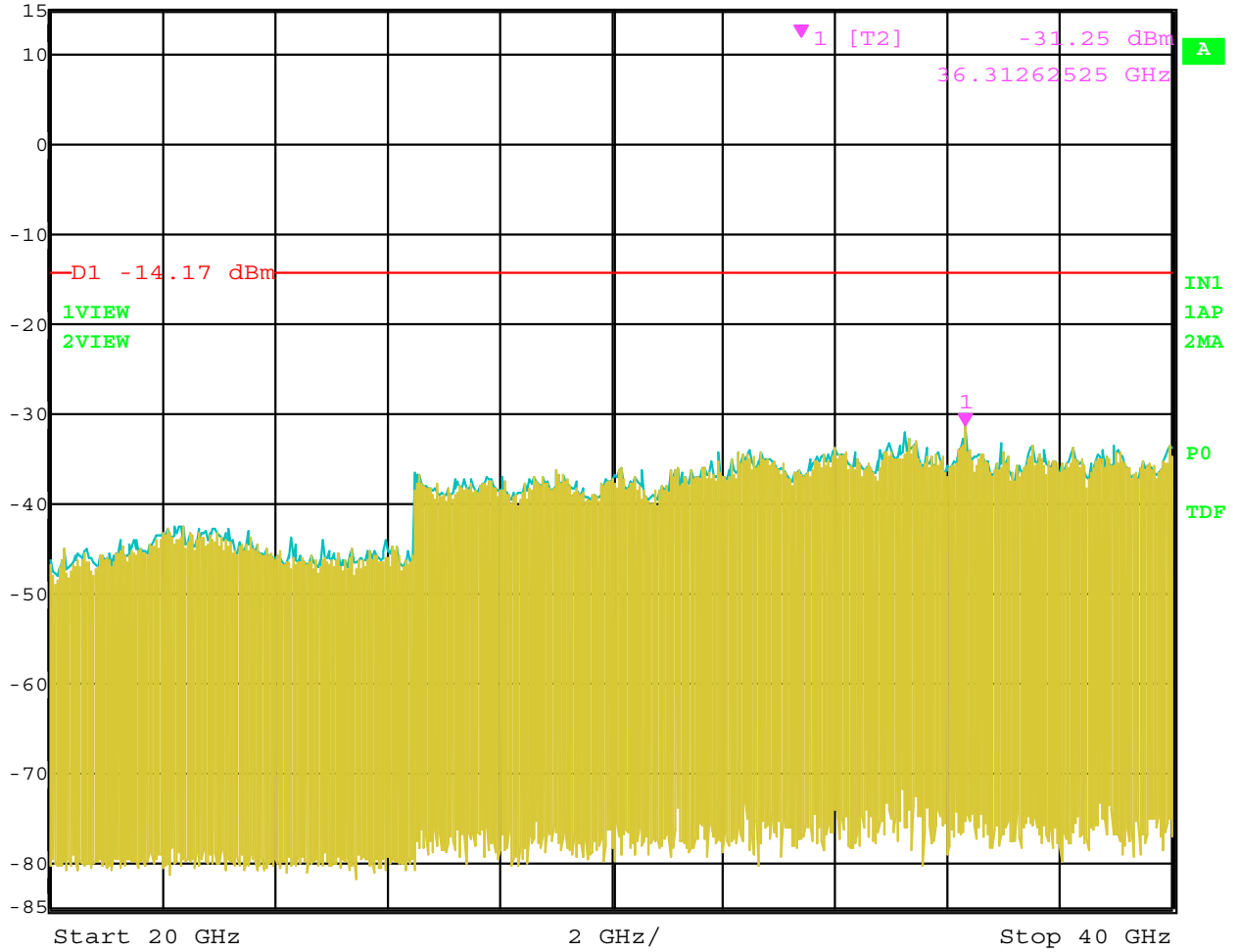


Date: 30.MAR.2005 17:41:09

RF Antenna Conducted Test – 5805 MHz – Turbo Mode – 6 GHz to 20 GHz

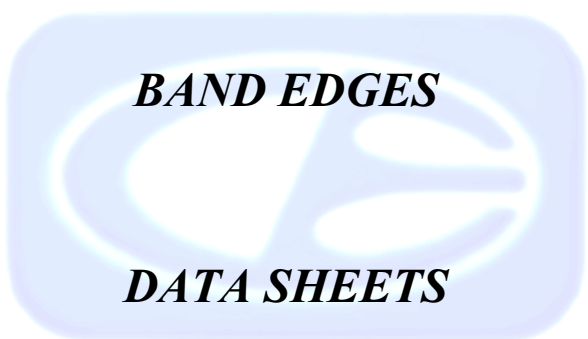


Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-31.25 dBm VBW 300 kHz
36.31262525 GHz SWT 5 s Unit dBm



Date: 30.MAR.2005 17:41:57

RF Antenna Conducted Test – 5805 MHz – Turbo Mode – 20 GHz to 40 GHz



BAND EDGES

DATA SHEETS

FCC 15.247

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

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

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a 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
5745	114.33	V	--	--	Peak	2.05	180	Fundamental of Channel 149
5785	114.26	V	--	--	Peak	2.06	180	Fundamental of Channel 157
5825	114.46	V	--	--	Peak	2.01	180	Fundamental of Channel 165

FCC 15.247

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

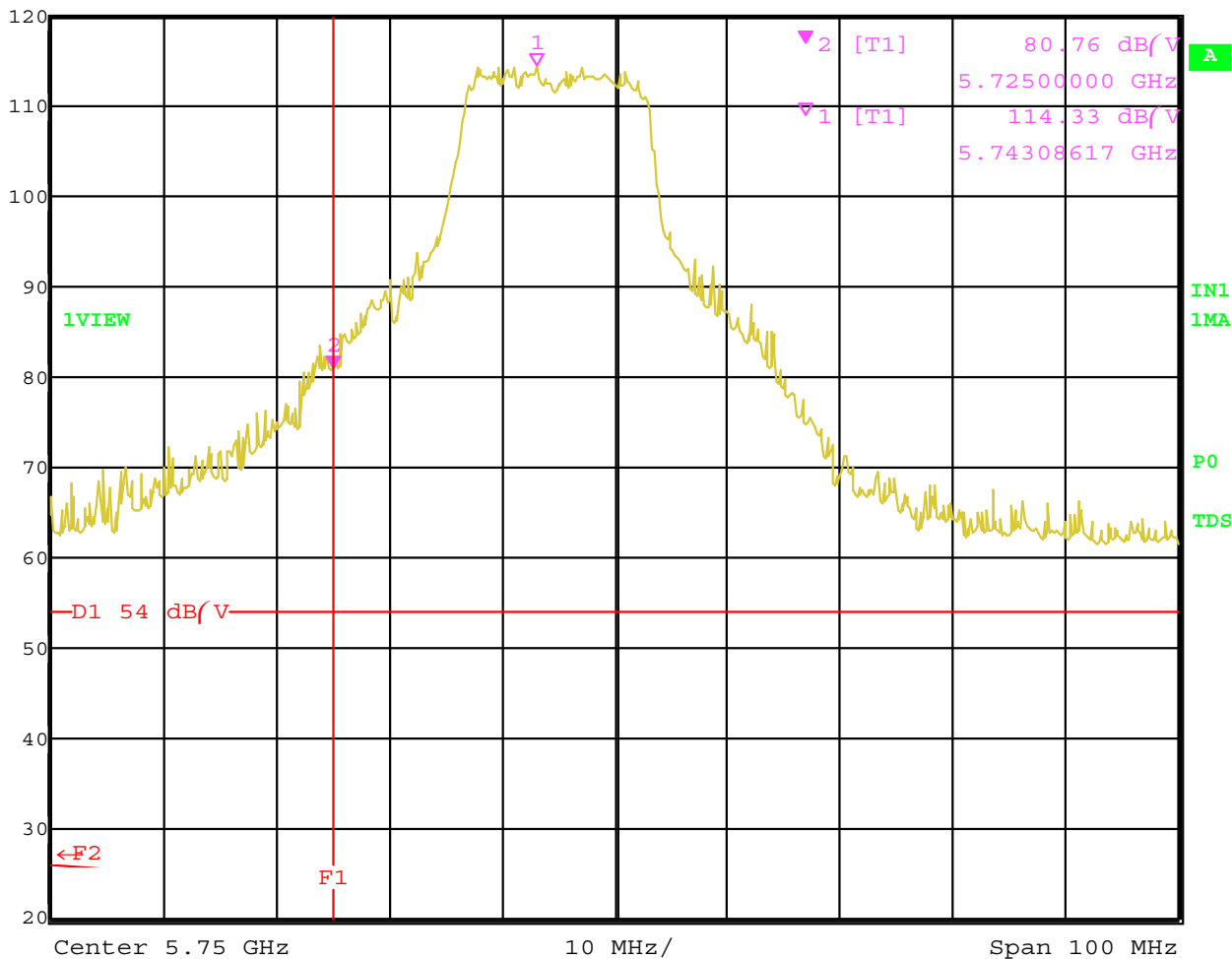
Date: 3/29/05
Lab: B
Tested By: Kyle Fujimoto

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a 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
5745	100.89	H	--	--	Peak	2.1	225	Fundamental of Channel 149
5785	100.55	H	--	--	Peak	2	225	Fundamental of Channel 157
5825	102.95	H	--	--	Peak	2.04	135	Fundamental of Channel 165



Ref Lvl 120 dB/V
Marker 2 [T1] 80.76 dB/V
5.7250000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

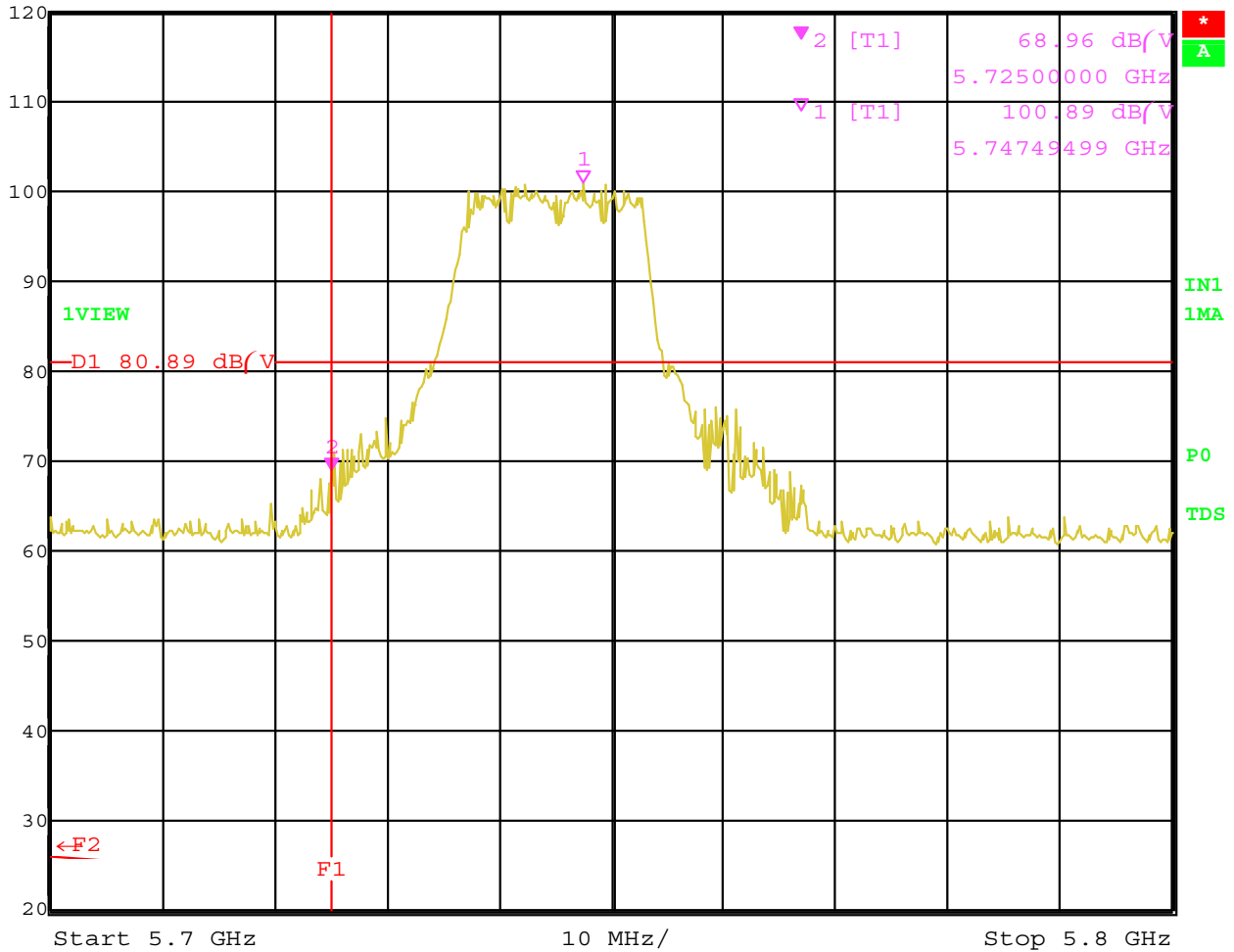


Date: 29.MAR.2005 11:15:05

Band Edge – Channel 149 – Vertical Polarization – Small Antenna



Ref Lvl 120 dB/V
Marker 2 [T1] 68.96 dB/V
5.7250000 GHz
RBW 1 MHz
RF Att 30 dB
VBW 10 Hz
SWT 25 s
Unit dB/V

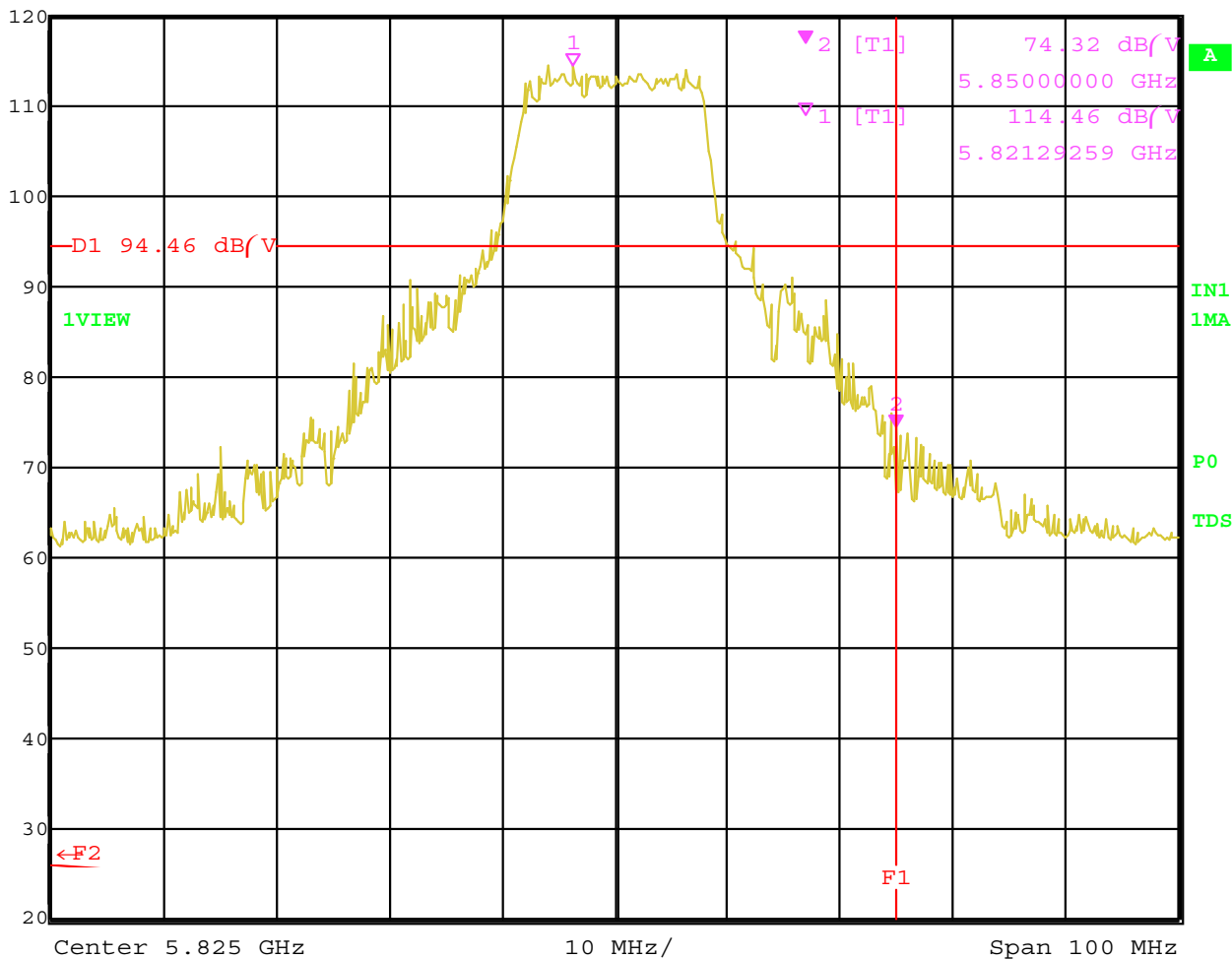


Date: 29.MAR.2005 12:10:27

Band Edge – Channel 149 – Horizontal Polarization – Small Antenna



Ref Lvl 120 dB/V
Marker 2 [T1] 74.32 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V



Date: 29.MAR.2005 11:54:55

Band Edge – Channel 165 – Vertical Polarization – Small Antenna

Band Edge – Channel 165 – Horizontal Polarization – Small Antenna

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

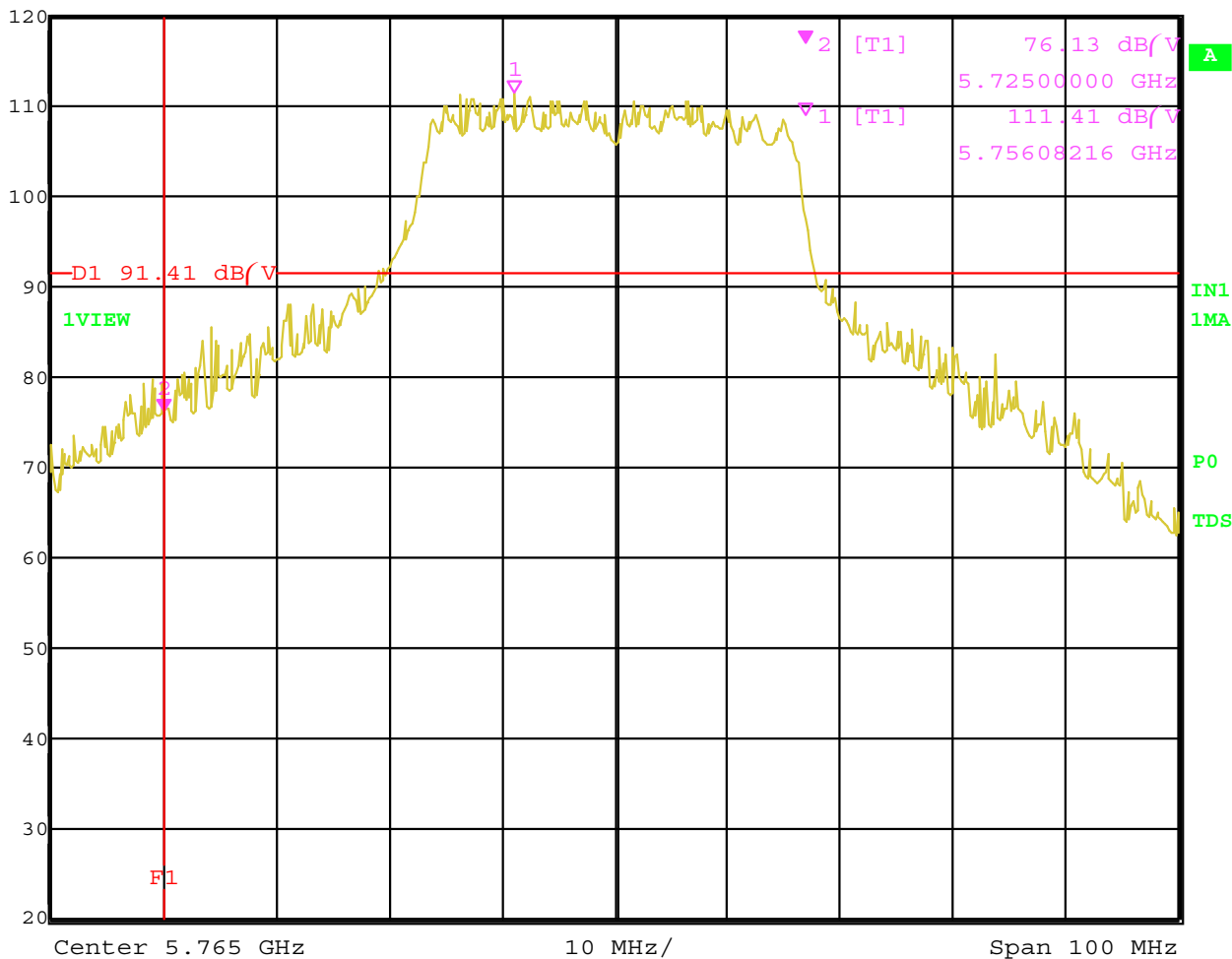
Fundamental 5805 MHz

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 2 [T1] 76.13 dB/V
RBW 1 MHz RF Att 30 dB
VBW 1 MHz
SWT 5 ms Unit dB/V

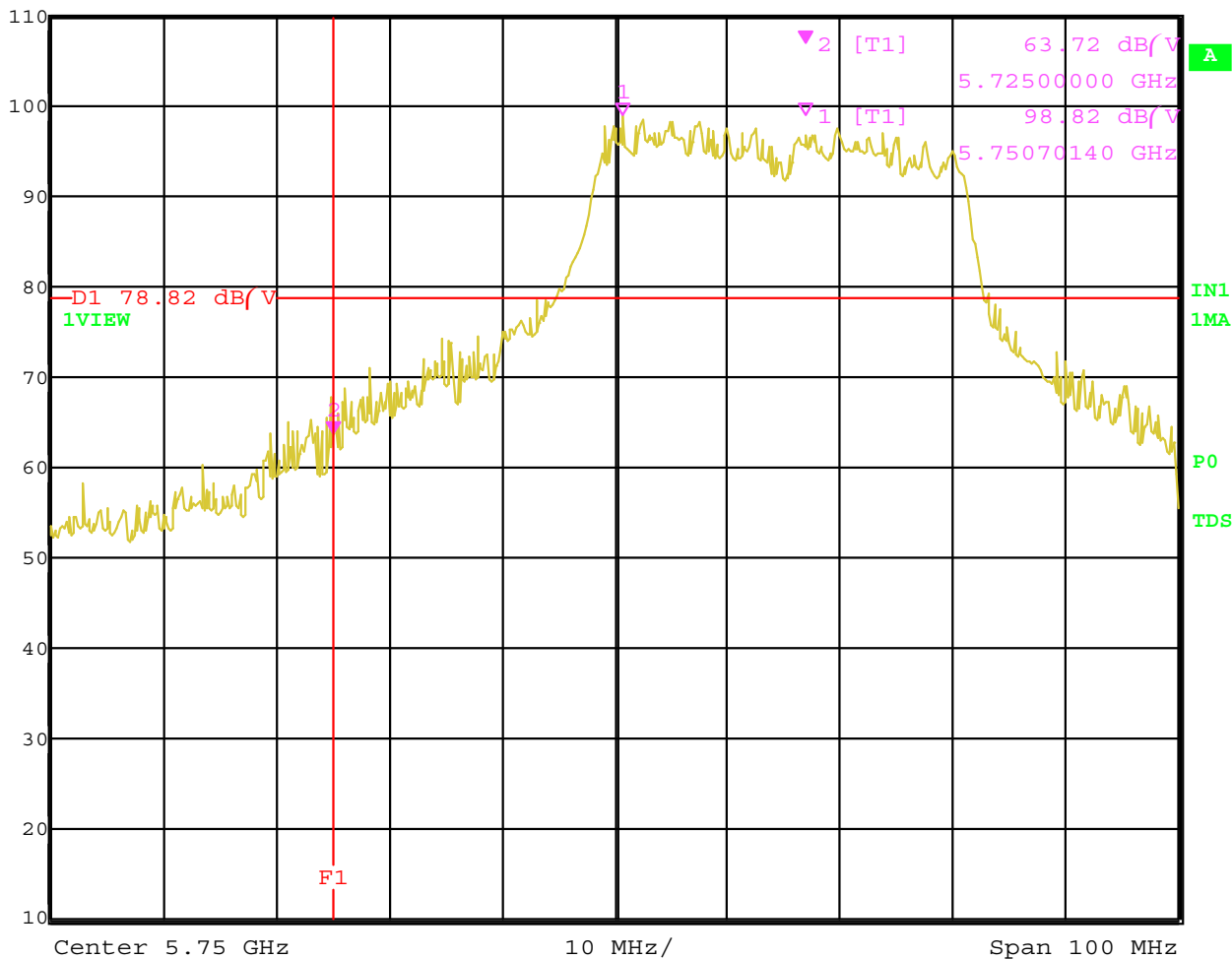


Date: 29.MAR.2005 10:47:05

Band Edge – 5765 MHz – Vertical Polarization – Turbo Mode – Small Antenna



Ref Lvl 110 dB/V
Marker 2 [T1] 63.72 dB/V
5.72500000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 20 dB
Unit dB/V

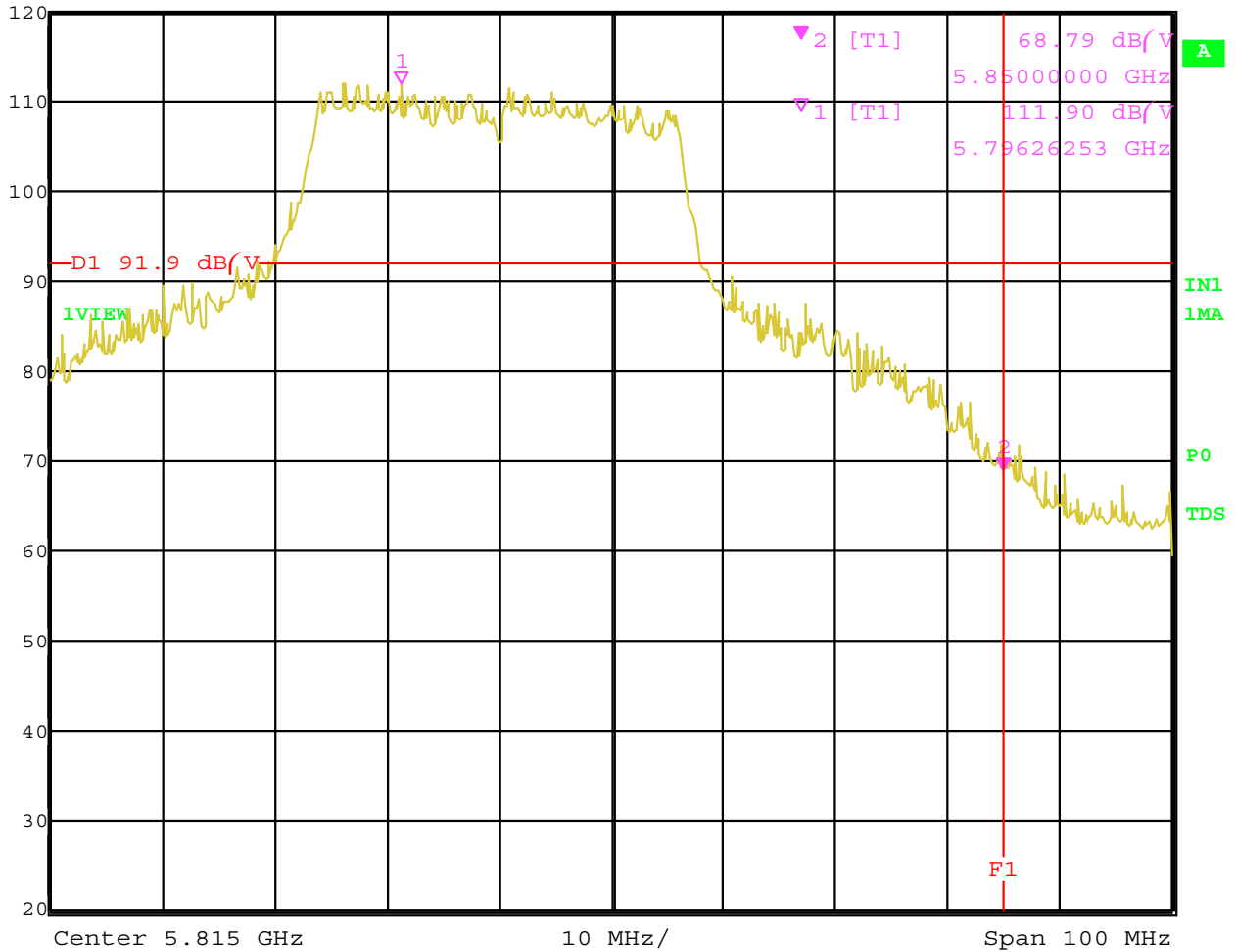


Date: 29.MAR.2005 10:19:24

Band Edge – 5765 MHz – Horizontal Polarization – Turbo Mode – Small Antenna



Ref Lvl 120 dB/V
Marker 2 [T1] 68.79 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

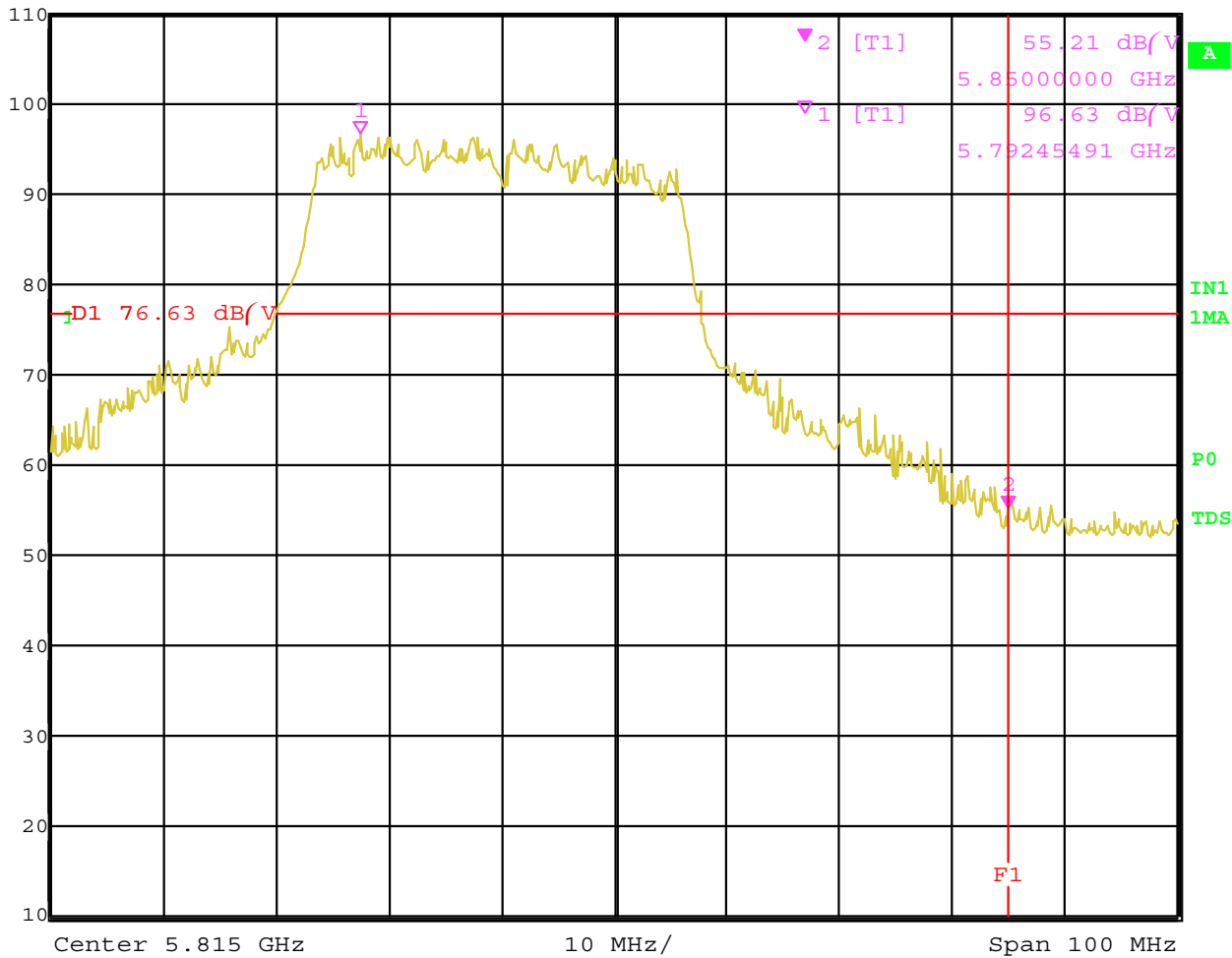


Date: 29.MAR.2005 10:41:35

Band Edge – 5805 MHz – Vertical Polarization – Turbo Mode – Small Antenna



Ref Lvl 110 dB/V
Marker 2 [T1] 55.21 dB/V
5.85000000 GHz
RBW 1 MHz
RF Att 20 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V



Date: 29.MAR.2005 10:23:59

Band Edge – 5805 MHz – Horizontal Polarization – Turbo Mode – Small Antenna

FCC 15.247

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

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

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a 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
5745	120.66	V	--	--	Peak	1.56	180	Fundamental of Channel 149
5785	122.23	V	--	--	Peak	1.52	180	Fundamental of Channel 157
5825	120.66	V	--	--	Peak	1.75	225	Fundamental of Channel 165

FCC 15.247

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

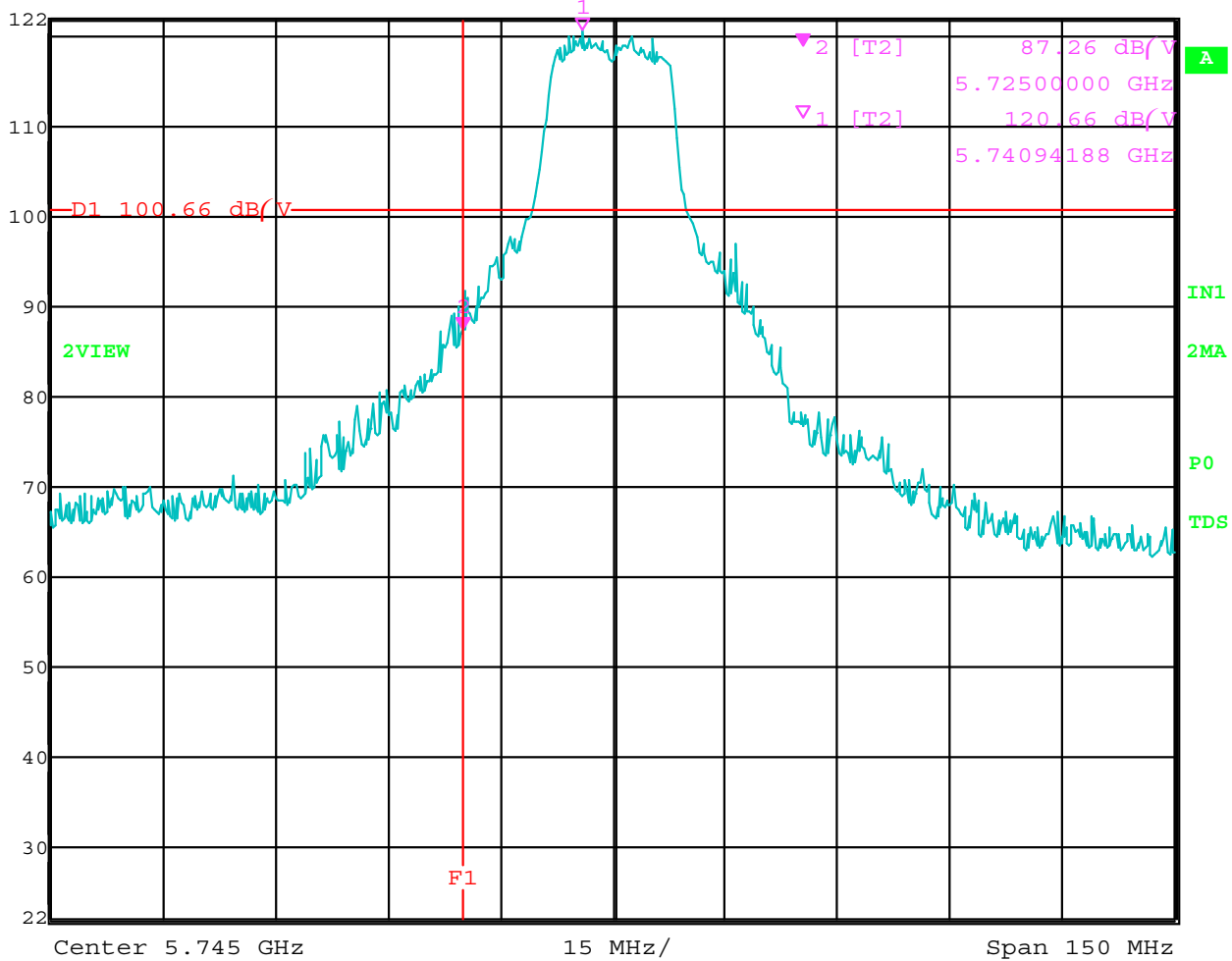
Date: 3/28/05
Lab: B
Tested By: Kyle Fujimoto

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a 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
5745	106.85	H	--	--	Peak	1.45	225	Fundamental of Channel 149
5785	105.09	H	--	--	Peak	1.44	225	Fundamental of Channel 157
5825	106	H	--	--	Peak	1.69	225	Fundamental of Channel 165



Ref Lvl 122 dB/V
Marker 2 [T2] 87.26 dB/V
5.72500000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

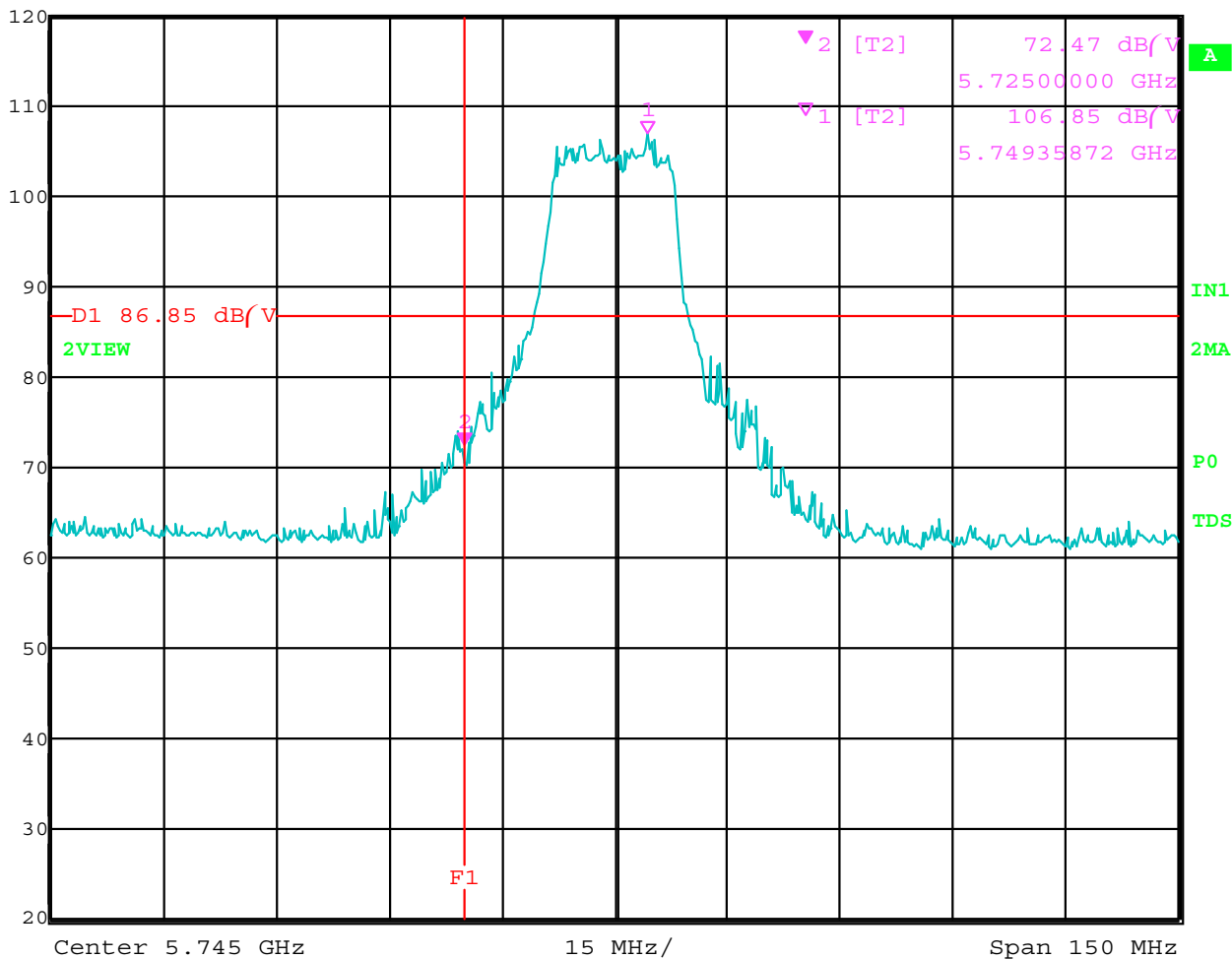


Date: 28.MAR.2005 17:17:23

Band Edge – Channel 149 – Vertical Polarization – Patch Antenna



Ref Lvl 120 dB/V
Marker 2 [T2] 72.47 dB/V
5.72500000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

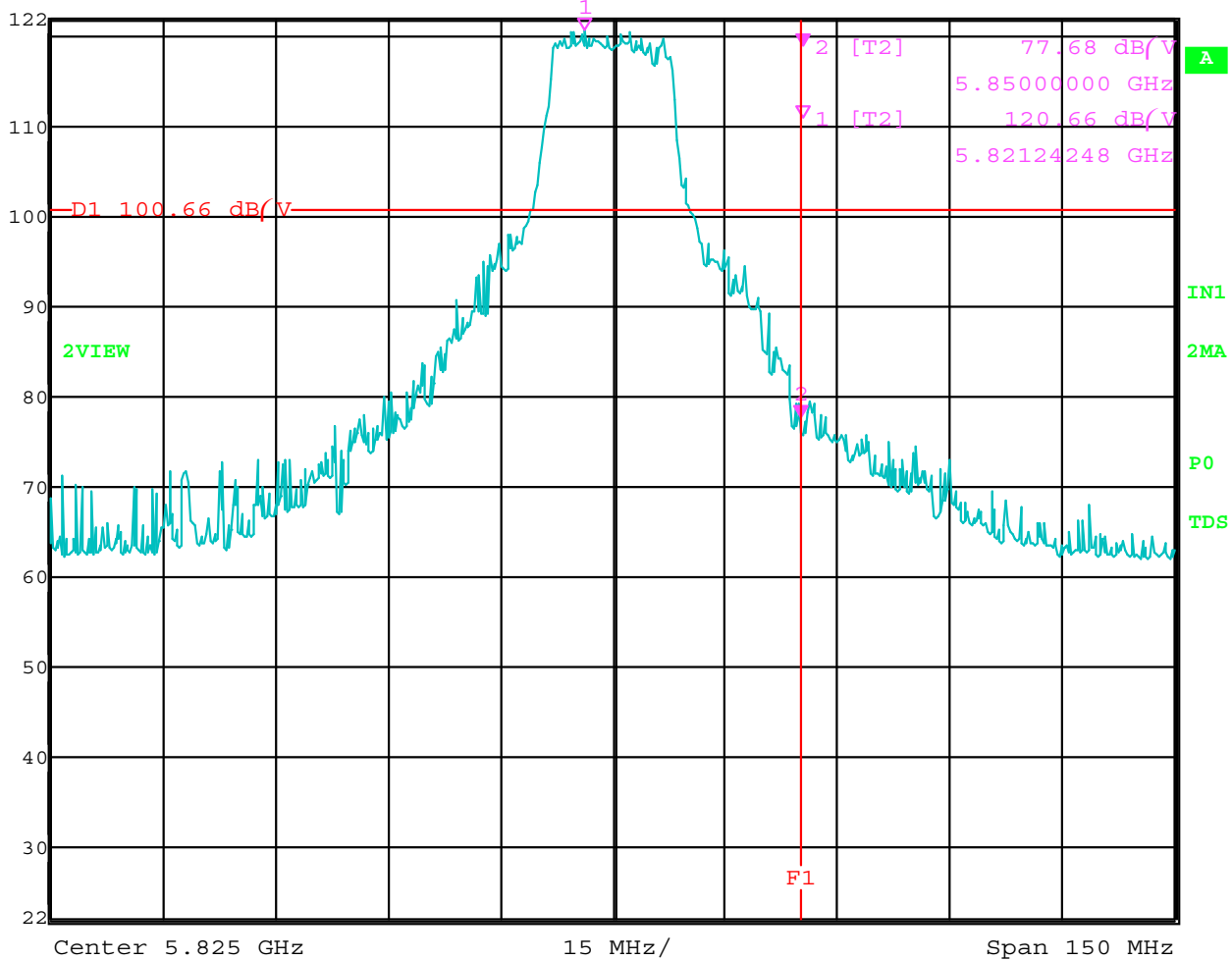


Date: 28.MAR.2005 17:12:41

Band Edge – Channel 149 – Horizontal Polarization – Patch Antenna



Ref Lvl 122 dB/V
Marker 2 [T2] 77.68 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

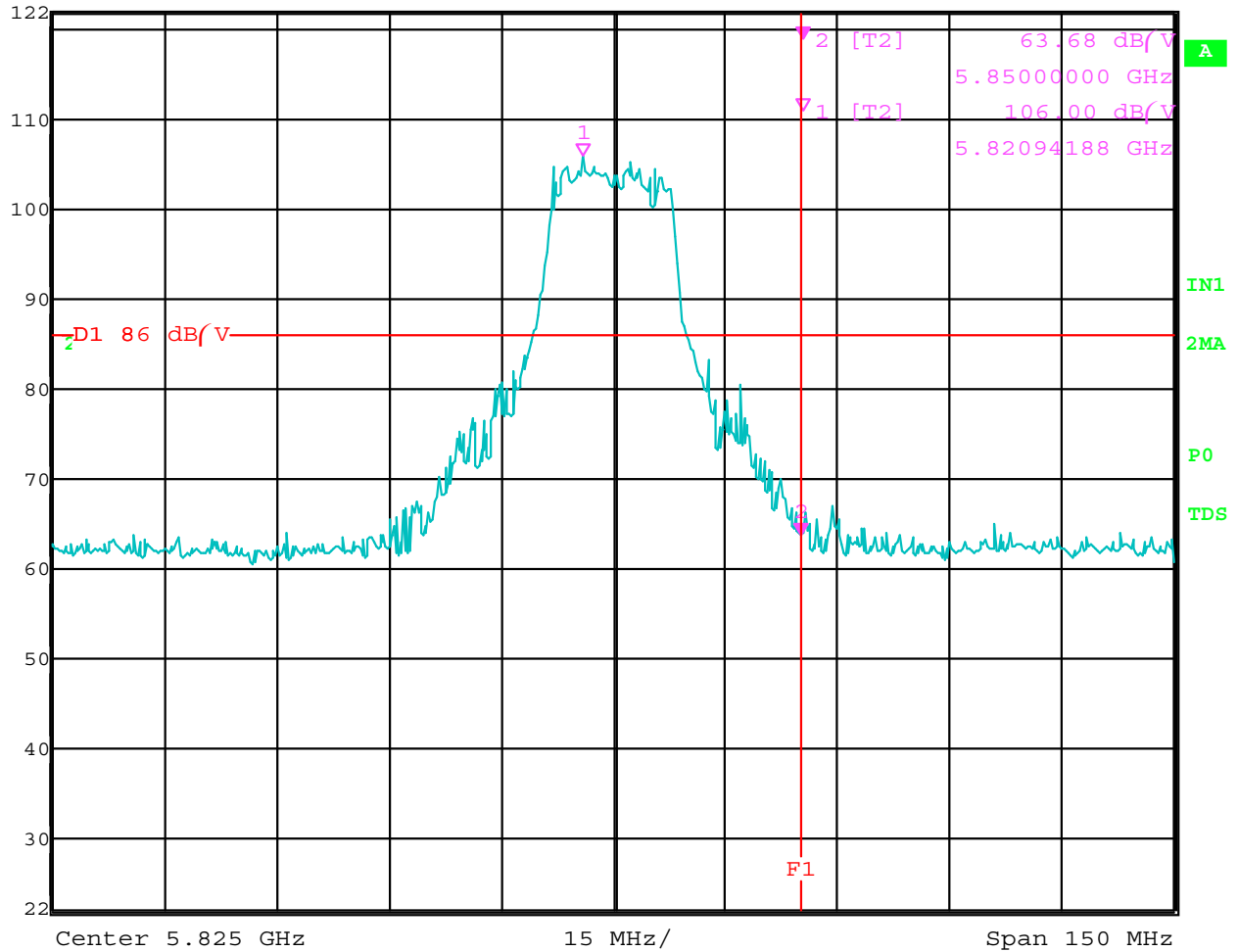


Date: 28.MAR.2005 17:40:01

Band Edge – Channel 165 – Vertical Polarization – Patch Antenna



Ref Lvl 122 dB/V
Marker 2 [T2] 63.68 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V



Date: 28.MAR.2005 17:34:32

Band Edge – Channel 165 – Horizontal Polarization – Patch Antenna

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

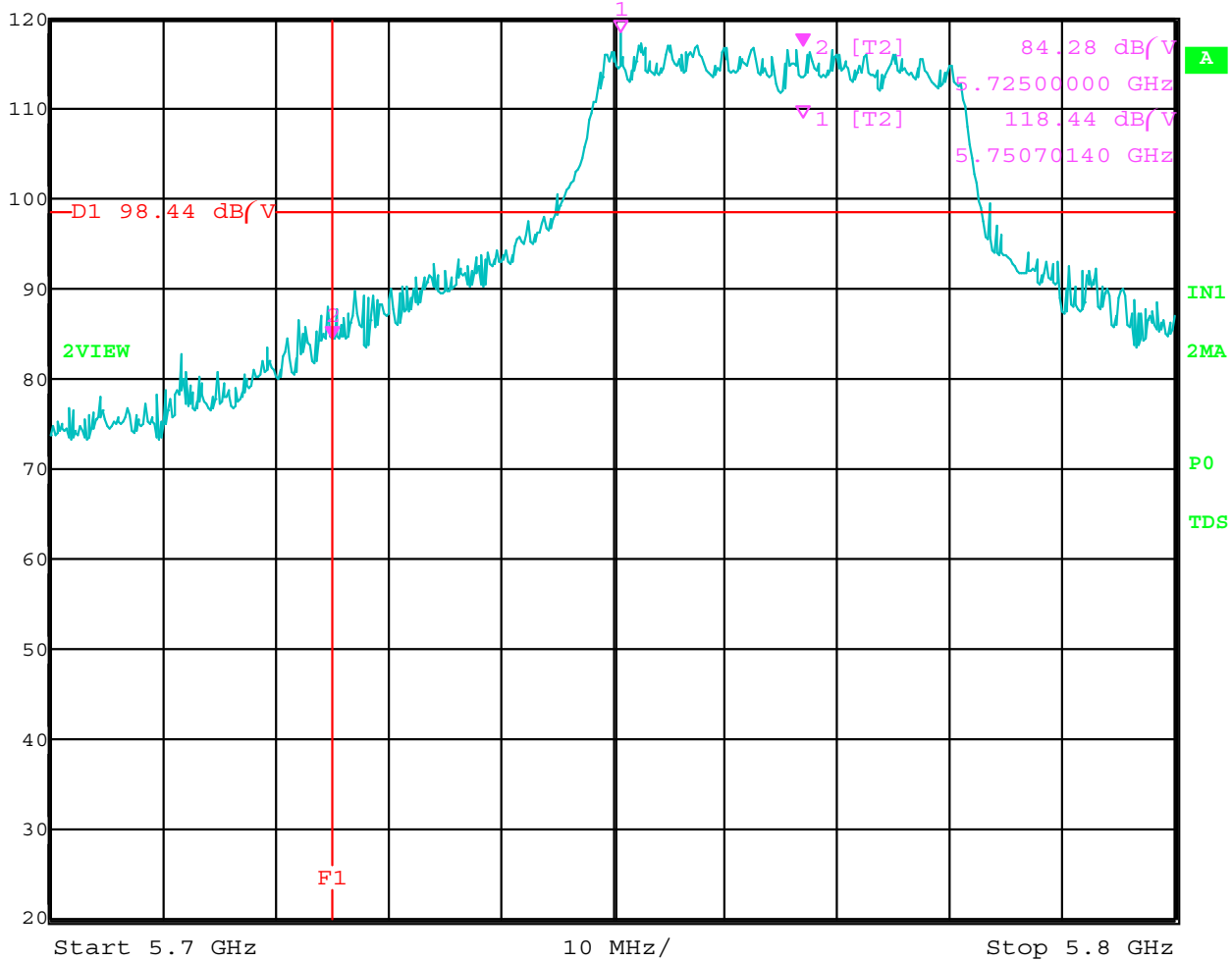
Fundamental - 5805 MHz

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] 84.28 dB/V
5.72500000 GHz
RBW 1 MHz
RF Att 30 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

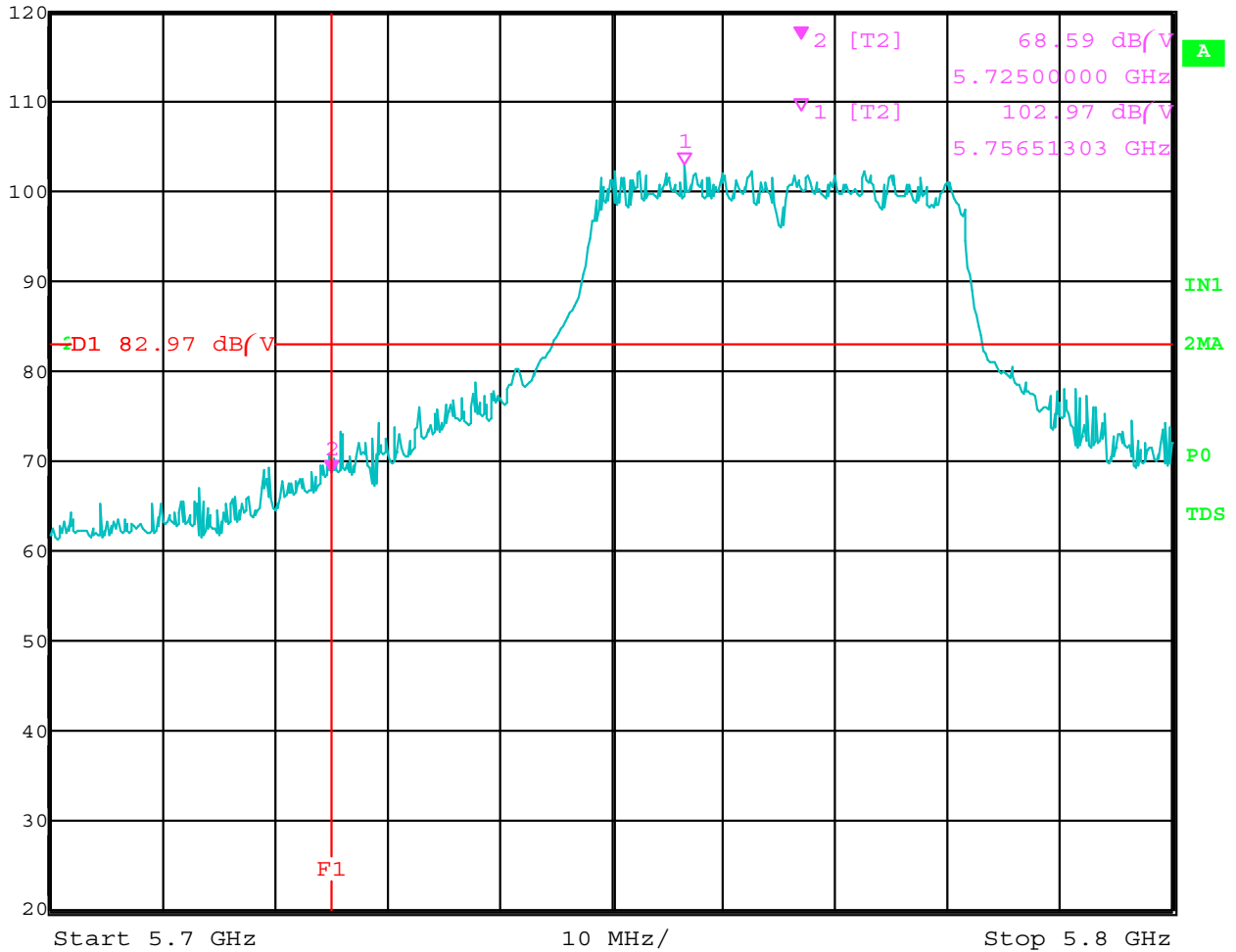


Date: 28.MAR.2005 16:39:13

Band Edge – 5765 MHz – Vertical Polarization – Turbo Mode – Patch Antenna



Ref Lvl 120 dB/V
Marker 2 [T2] 68.59 dB/V
5.7250000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

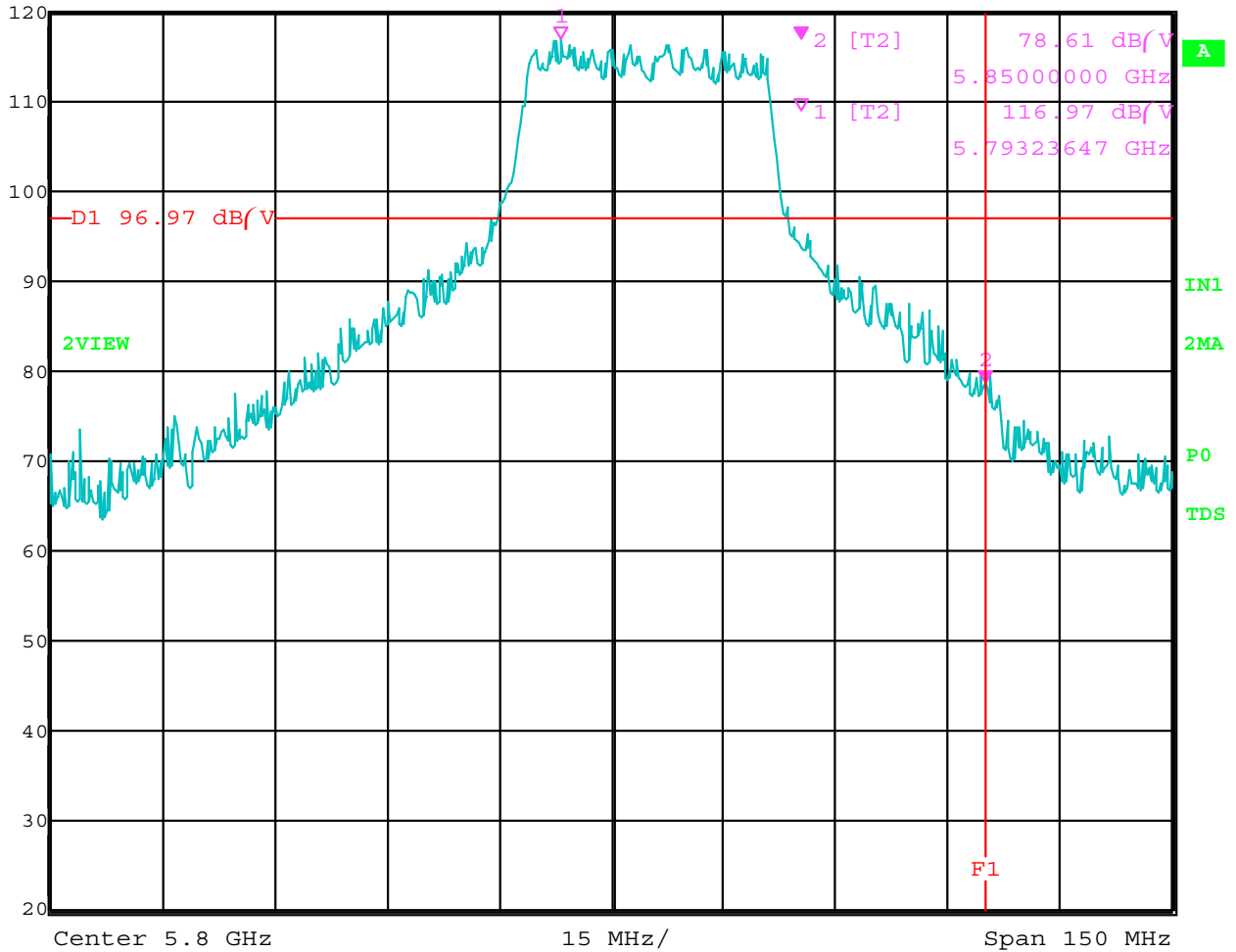


Date: 28.MAR.2005 16:34:12

Band Edge – 5765 MHz – Horizontal Polarization – Turbo Mode – Patch Antenna



Ref Lvl 120 dB/V
Marker 2 [T2] 78.61 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V

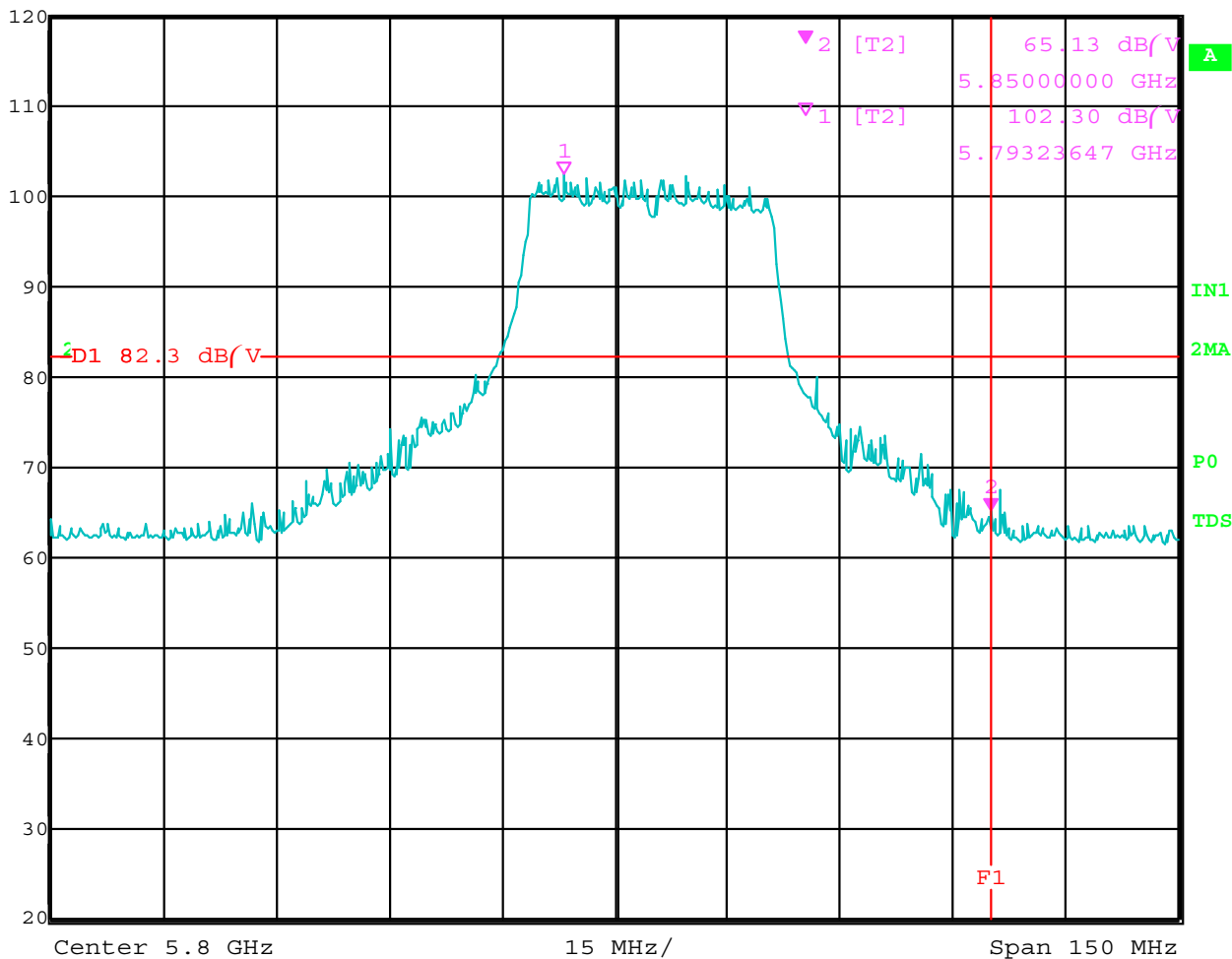


Date: 28.MAR.2005 16:21:57

Band Edge – 5805 MHz – Vertical Polarization – Turbo Mode – Patch Antenna



Ref Lvl 120 dB/V
Marker 2 [T2] 65.13 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V



Date: 28.MAR.2005 16:28:20

Band Edge – 5805 MHz – Horizontal Polarization – Turbo Mode – Patch Antenna

FCC 15.247

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

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

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a Mode
Transmit Mode - Dish Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5745	125.31	V	--	--	Peak	1.62	225	Fundamental of Channel 149
5785	125.16	V	--	--	Peak	1.61	180	Fundamental of Channel 157
5825	125.04	V	--	--	Peak	1.58	180	Fundamental of Channel 165

FCC 15.247

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

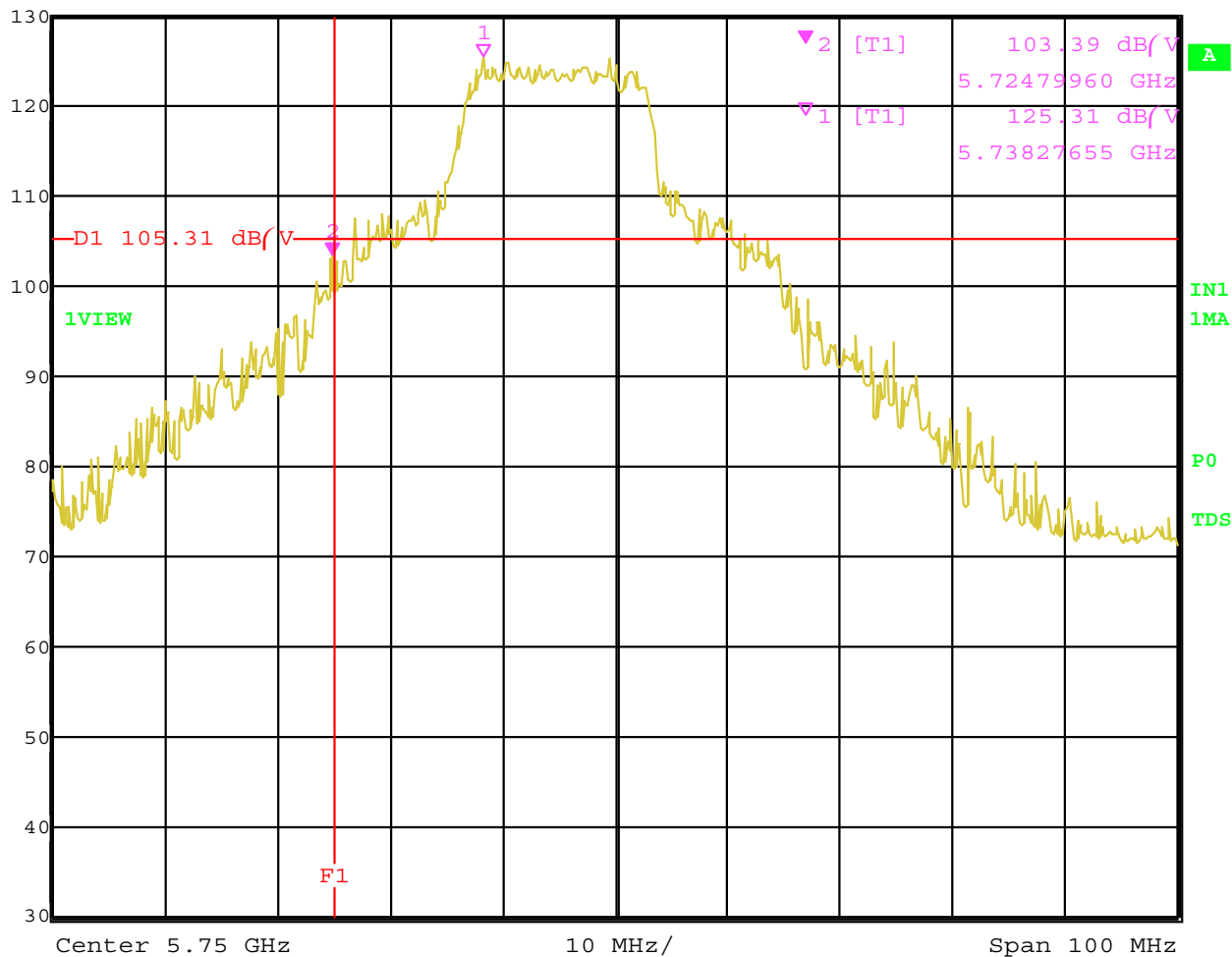
Date: 3/29/05
Lab: B
Tested By: Kyle Fujimoto

Channel 149 - 802.11 a Mode
Channel 157 - 802.11 a Mode
Channel 165 - 802.11 a Mode
Transmit Mode - Dish Antenna

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5745	112.1	H	--	--	Peak	1.66	225	Fundamental of Channel 149
5785	109.6	H	--	--	Peak	1.31	180	Fundamental of Channel 157
5825	113.1	H	--	--	Peak	1.61	180	Fundamental of Channel 165



Ref Lvl	Marker 2 [T1]	RBW	1 MHz	RF Att	40 dB
130 dB/V	103.39 dB/V	VBW	1 MHz		
	5.72479960 GHz	SWT	5 ms	Unit	dB/V

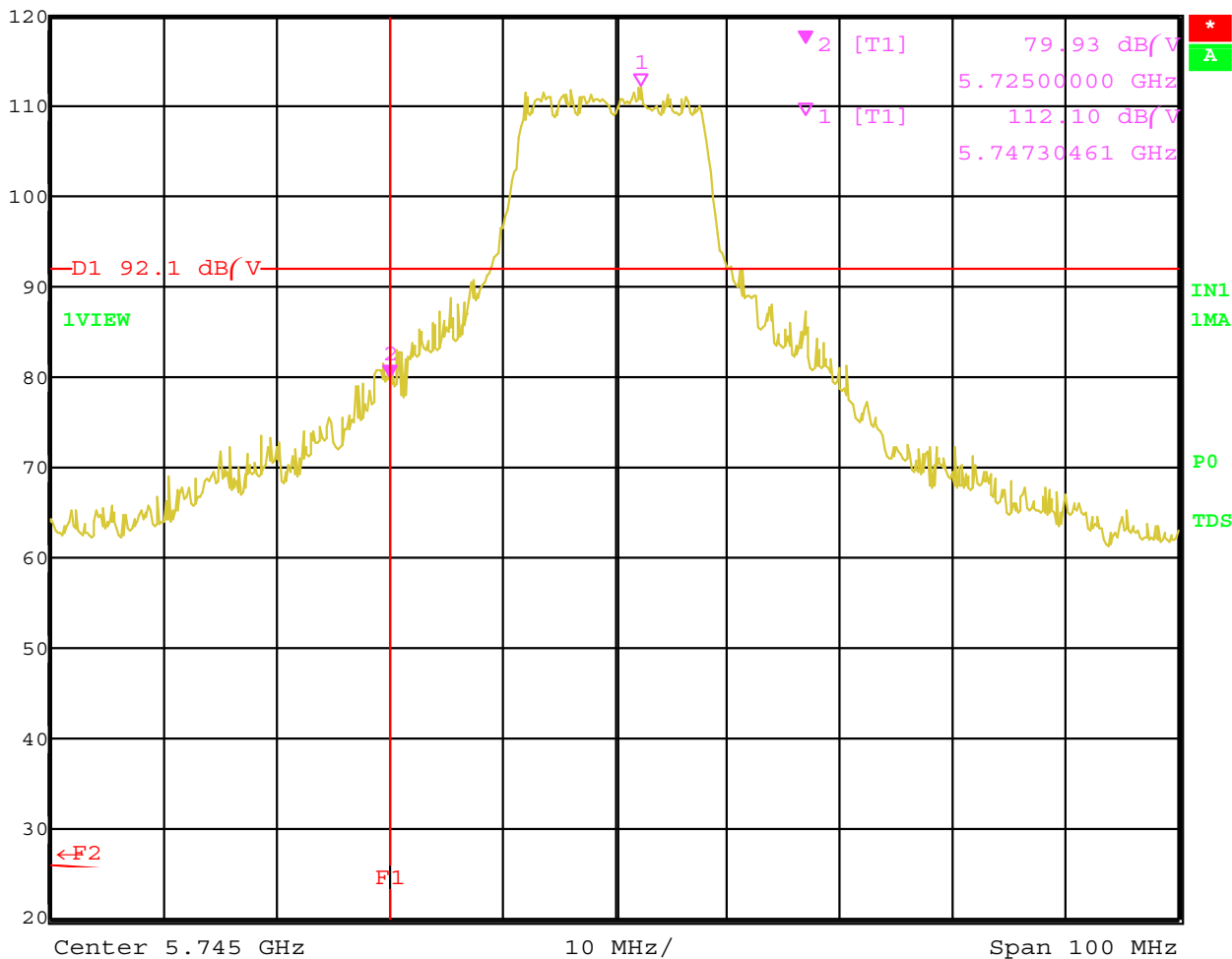


Date: 29.MAR.2005 15:11:46

Band Edge – Channel 149 – Vertical Polarization – Dish Antenna



Ref Lvl 120 dB/V
Marker 2 [T1] 79.93 dB/V
RBW 1 MHz
VBW 10 Hz
SWT 25 s
RF Att 30 dB
Unit dB/V

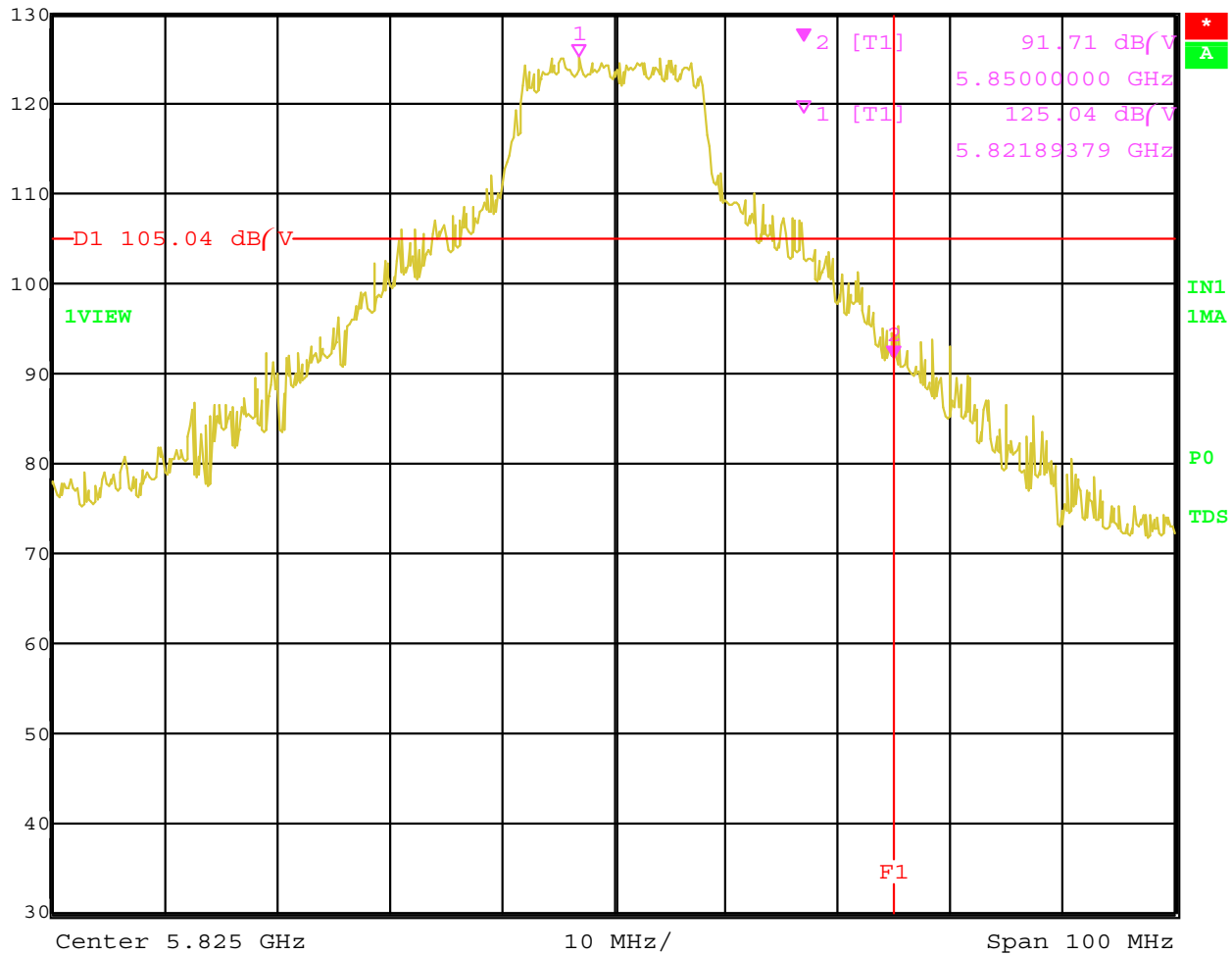


Date: 29.MAR.2005 14:45:09

Band Edge – Channel 149 – Horizontal Polarization – Dish Antenna



Ref Lvl 130 dB/V
Marker 2 [T1] 91.71 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 10 Hz
SWT 25 s
RF Att 40 dB
Unit dB/V

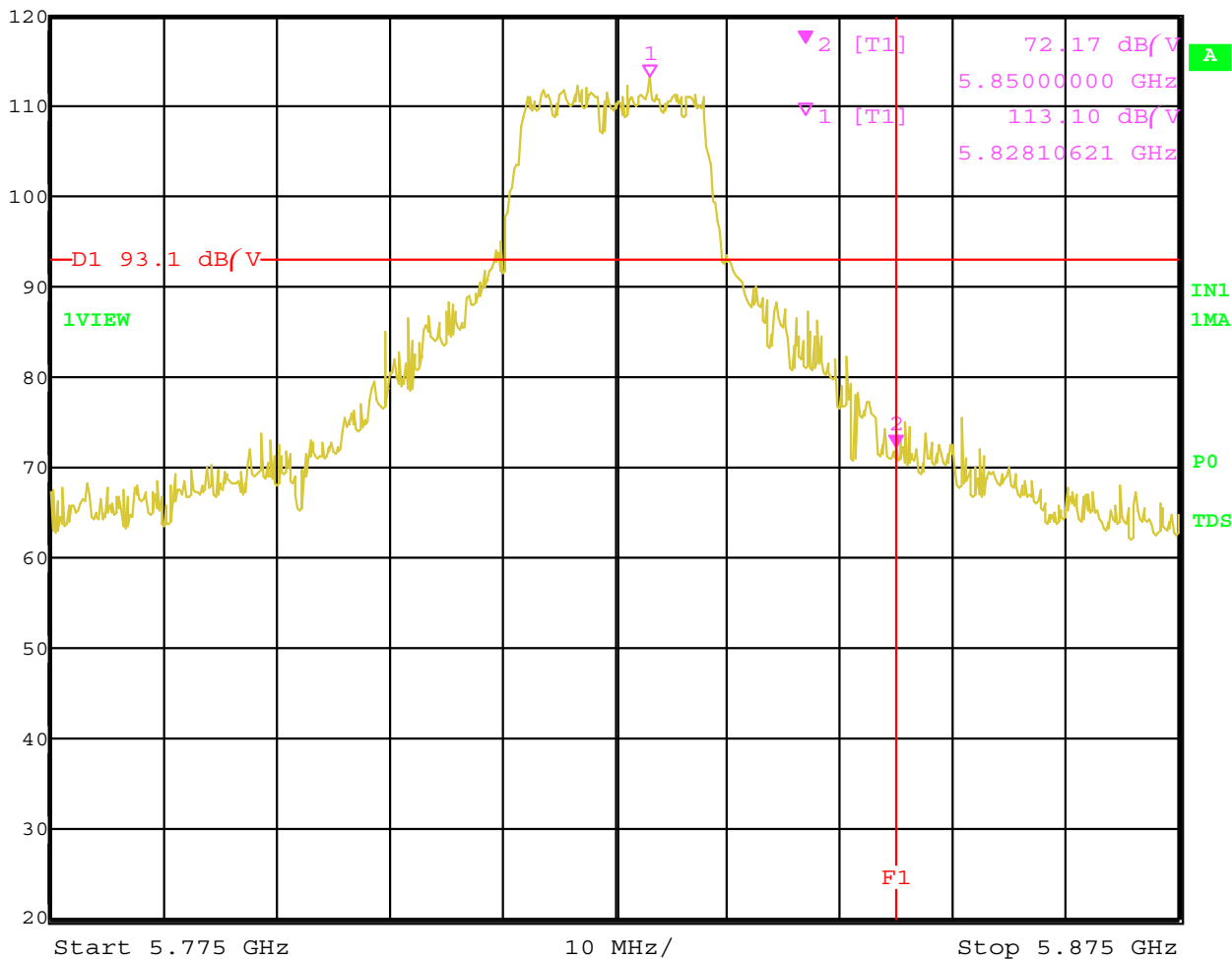


Date: 29.MAR.2005 15:02:11

Band Edge – Channel 165 – Vertical Polarization – Dish Antenna



Ref Lvl 120 dB/V
Marker 2 [T1] 72.17 dB/V
5.85000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 30 dB
Unit dB/V



Date: 29.MAR.2005 14:53:49

Band Edge – Channel 165 – Horizontal Polarization – Dish Antenna

FCC 15.247

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

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

Fundamental 5765 MHz
Fundamental 5805 MHz

Transmit Mode - Dish Antenna - Turbo Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5765	122.37	V	--	--	Peak	1.63	180	Fundamental - 5765 MHz
5805	122.31	V	--	--	Peak	1.56	180	Fundamental - 5805 MHz

FCC 15.247

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

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

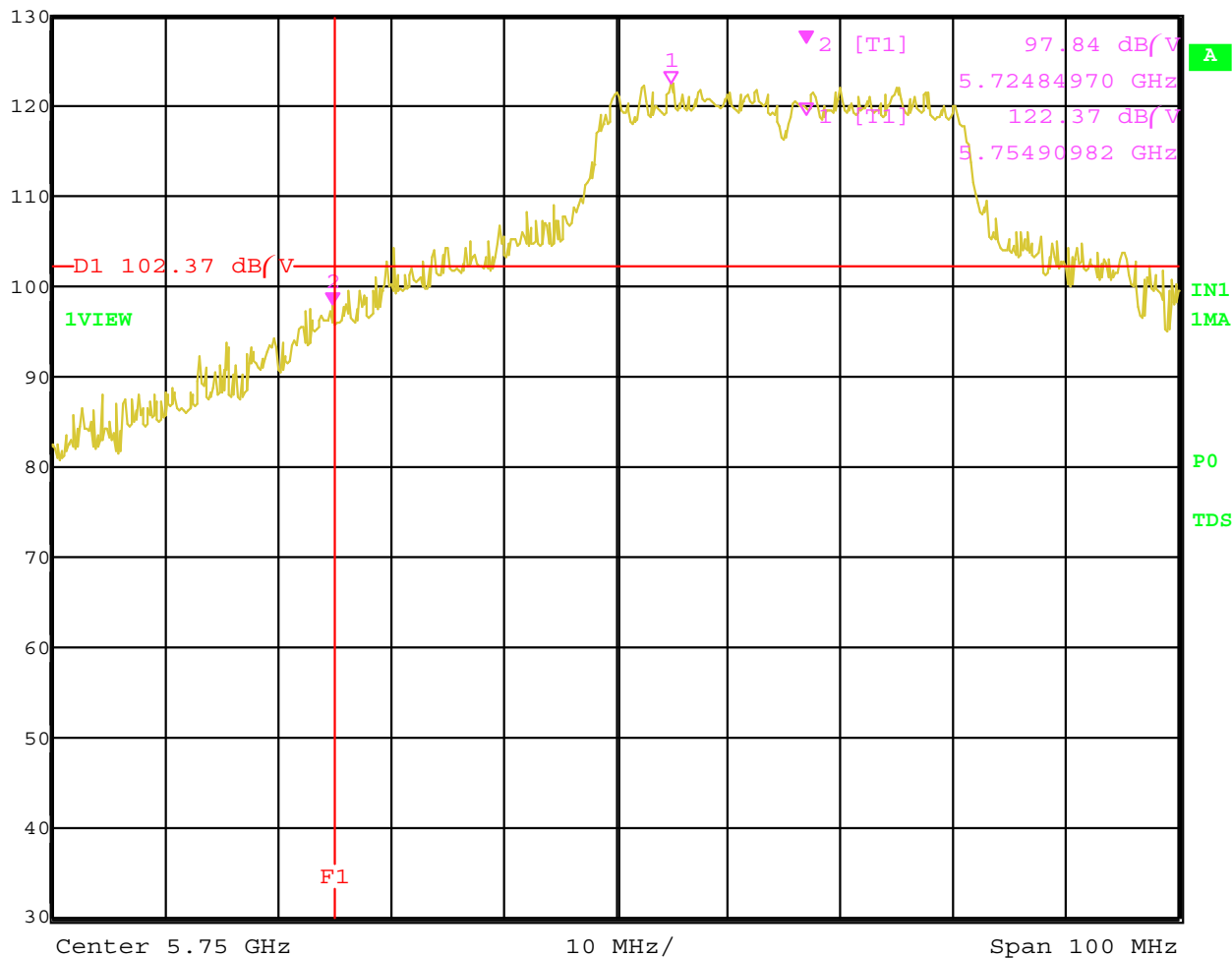
Fundamental 5765 MHz
Fundamental 5805 MHz

Transmit Mode - Dish Antenna - Turbo Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
5765	107.24	H	--	--	Peak	1.7	180	Fundamental - 5765 MHz
5805	109.59	H	--	--	Peak	1.59	180	Fundamental - 5805 MHz



Ref Lvl 130 dB/V
Marker 2 [T1] 97.84 dB/V
5.72484970 GHz
RBW 1 MHz
RF Att 40 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

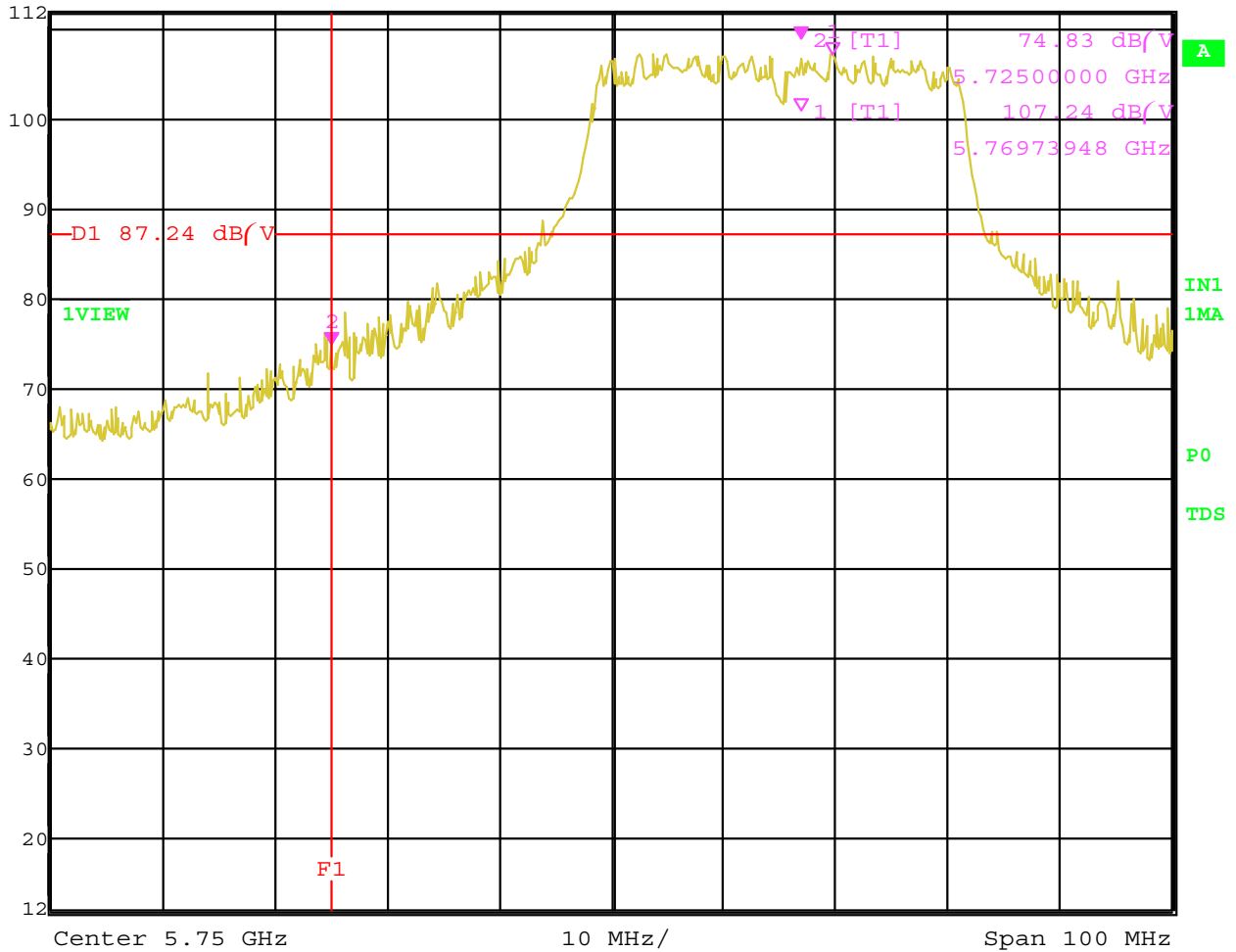


Date: 29.MAR.2005 15:23:49

Band Edge – 5765 MHz – Vertical Polarization – Turbo Mode – Dish Antenna



Ref Lvl 112 dB/V
Marker 2 [T1] 74.83 dB/V
5.72500000 GHz
RBW 1 MHz
RF Att 30 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

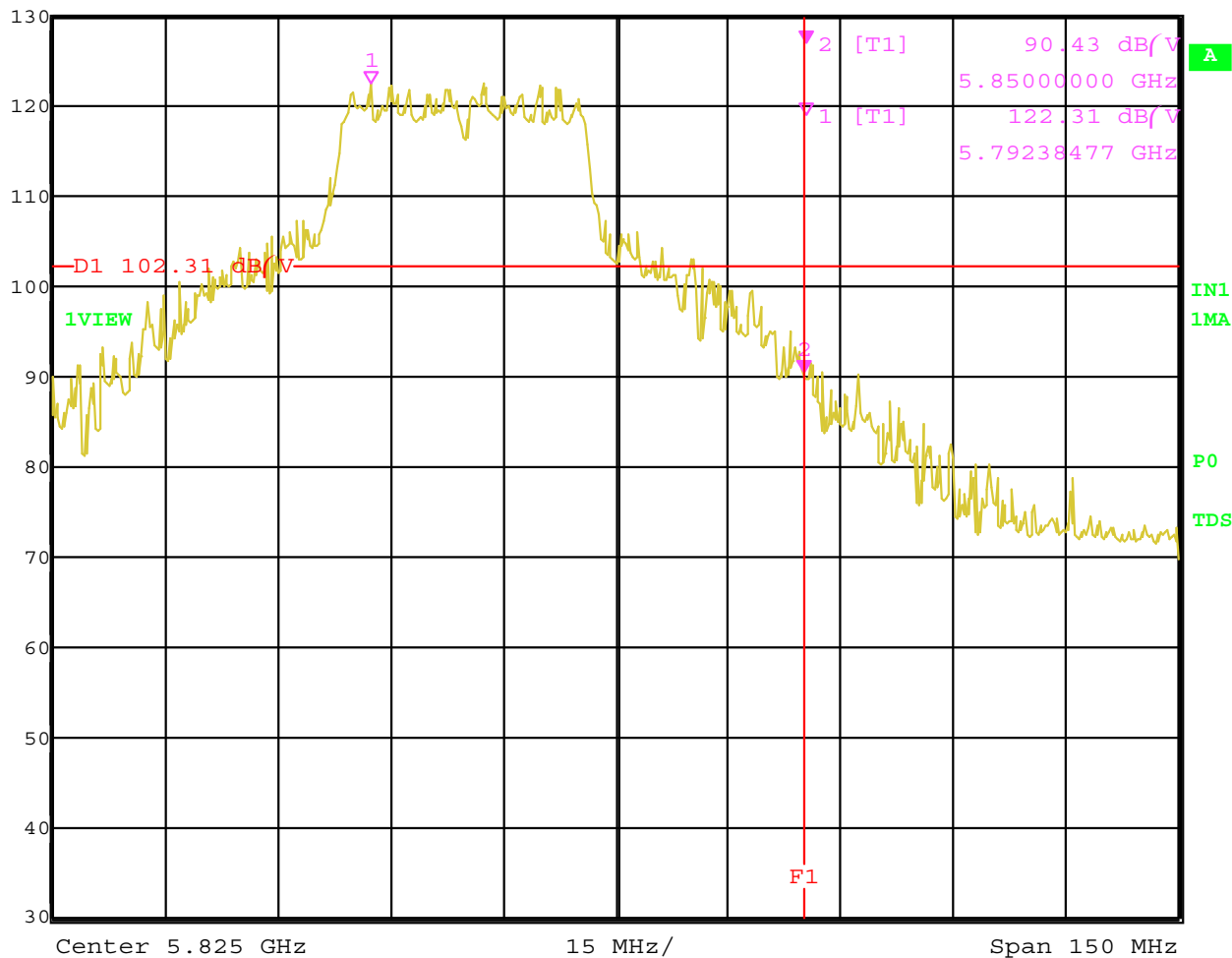


Date: 29.MAR.2005 15:39:19

Band Edge – 5765 MHz – Horizontal Polarization – Turbo Mode – Dish Antenna



Ref Lvl 130 dB/V
Marker 2 [T1] 90.43 dB/V
5.85000000 GHz
RBW 1 MHz
RF Att 40 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

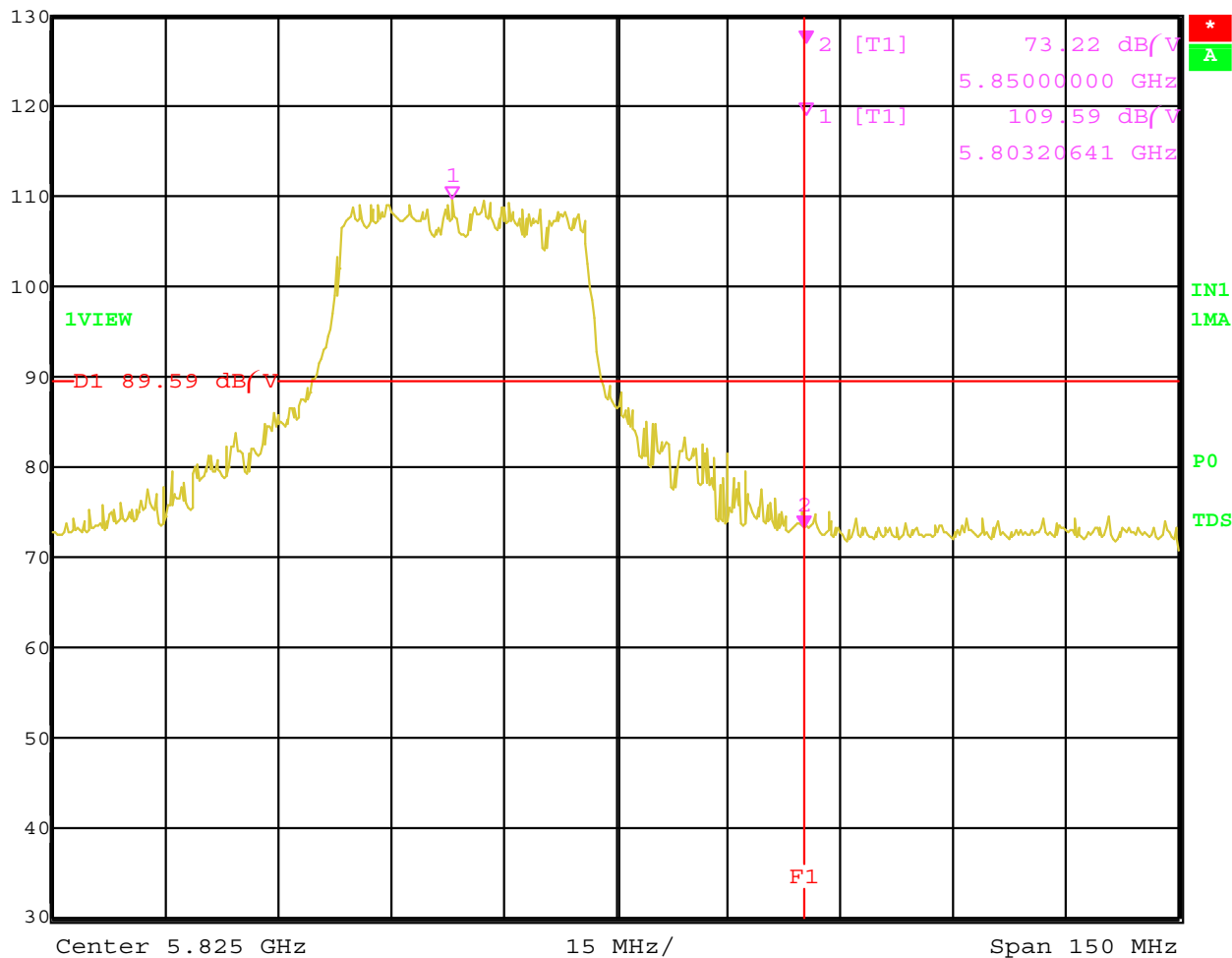


Date: 29.MAR.2005 15:29:01

Band Edge – 5805 MHz – Vertical Polarization – Turbo Mode – Dish Antenna



Ref Lvl 130 dB/V
Marker 2 [T1] 73.22 dB/V
5.85000000 GHz
RBW 1 MHz
RF Att 40 dB
VBW 10 Hz
SWT 38 s
Unit dB/V



Date: 29.MAR.2005 15:34:03

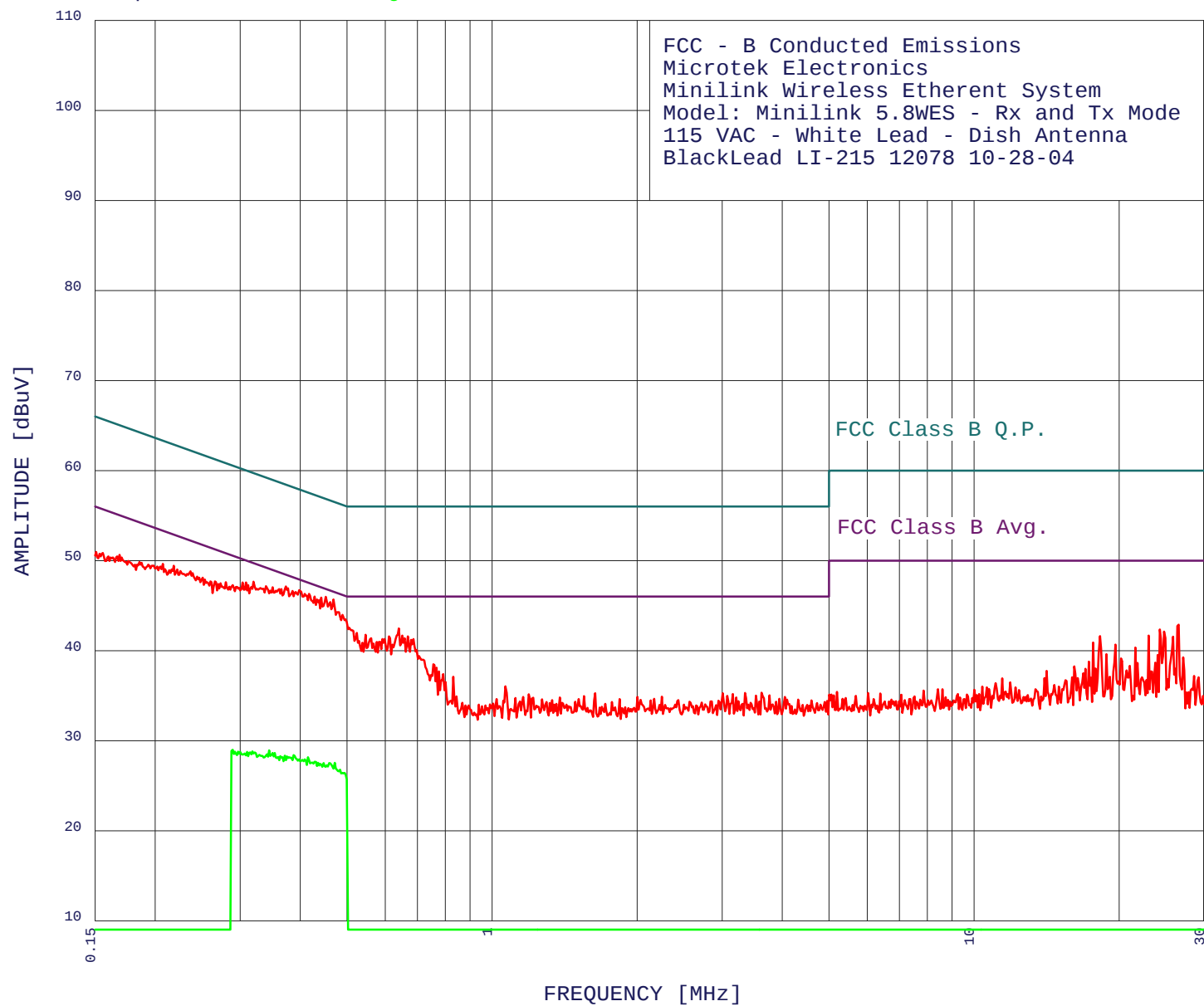
Band Edge – 5805 MHz – Horizontal Polarization – Turbo Mode – Dish Antenna

CONDUCTED EMISSIONS

DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

3/31/2005 22:40:49




**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

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

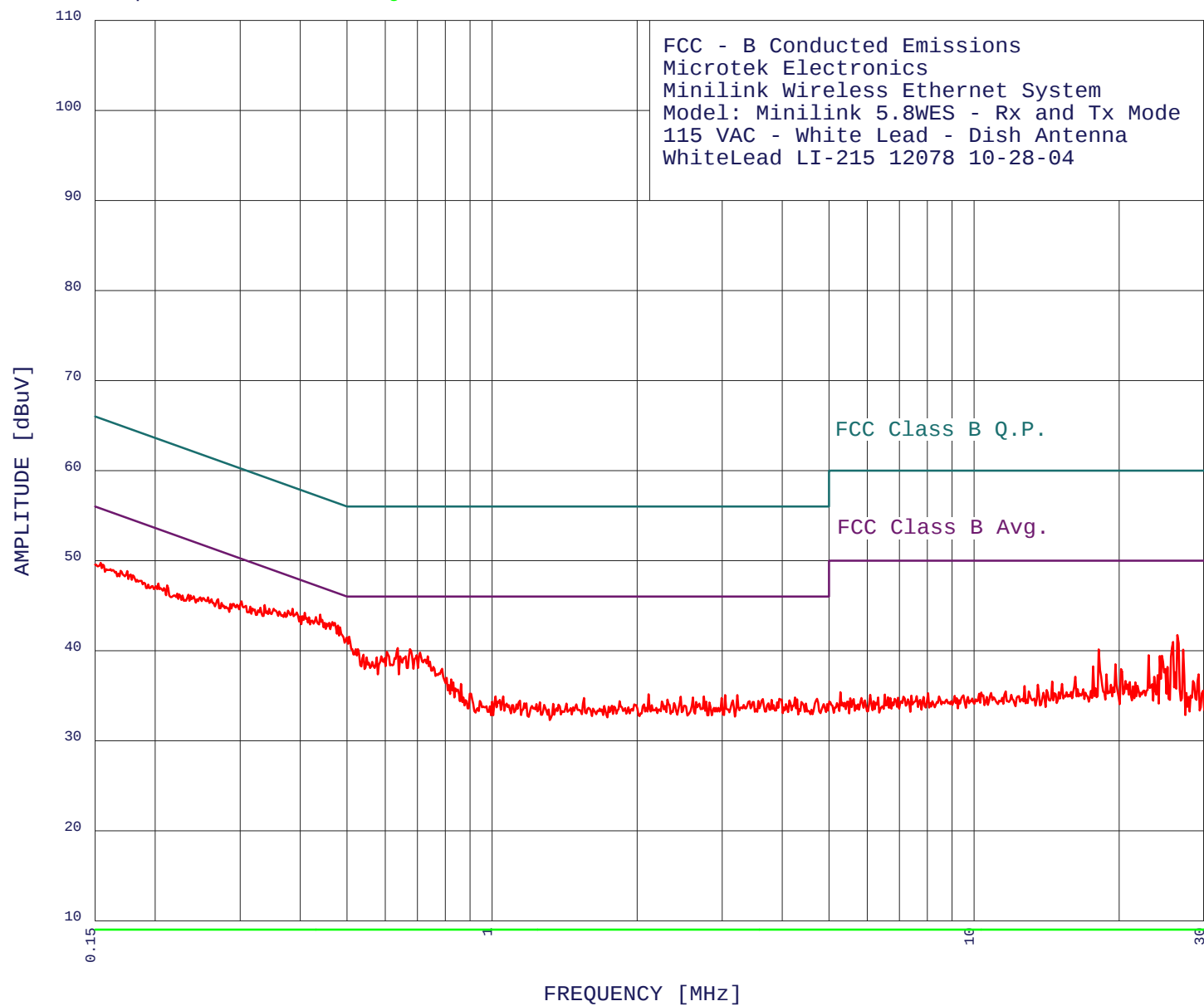
31 highest peaks above -50.00 dB of FCC Class B Avg. limit line

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

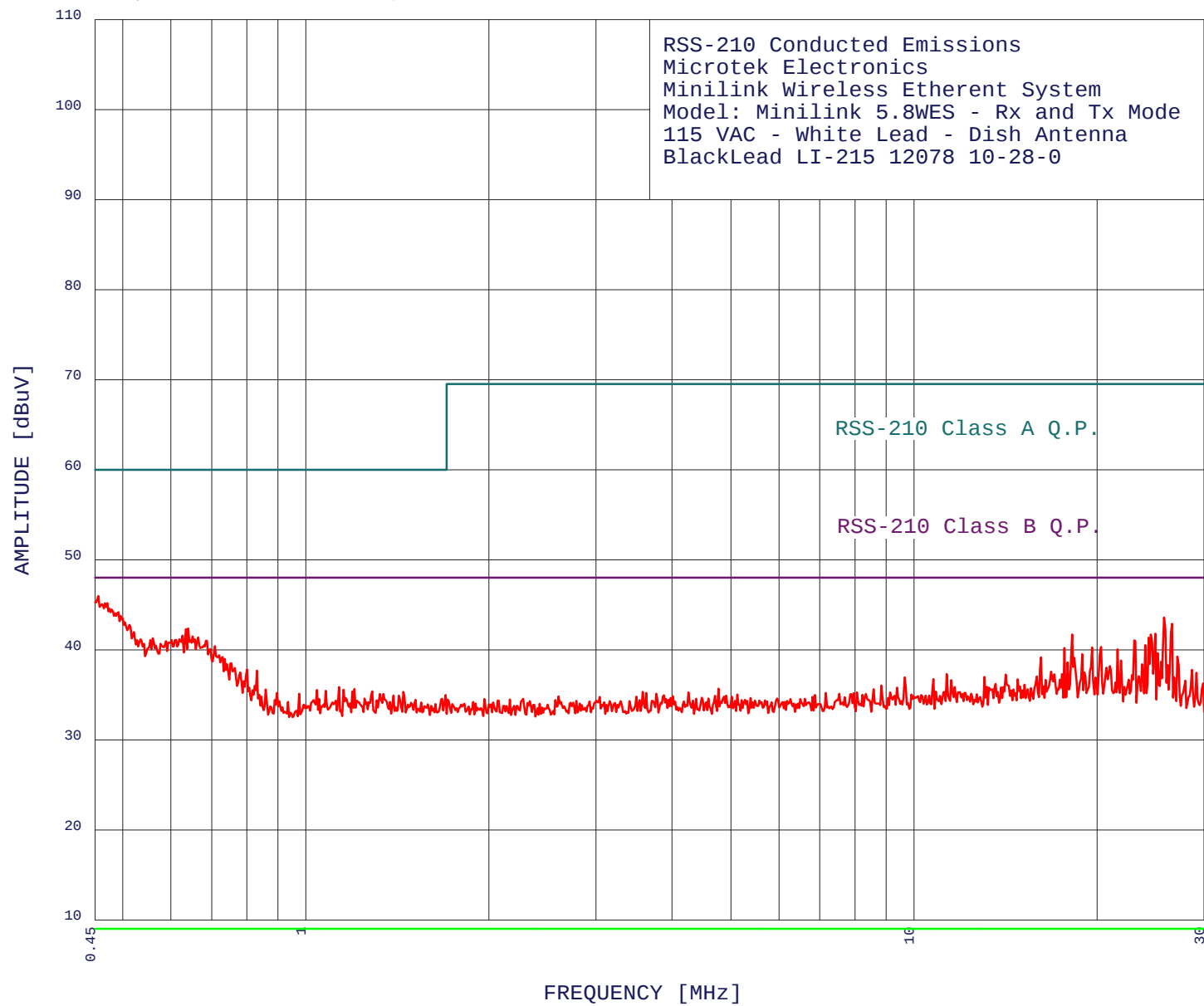
45 highest peaks above -50.00 dB of FCC Class B Avg. limit line

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

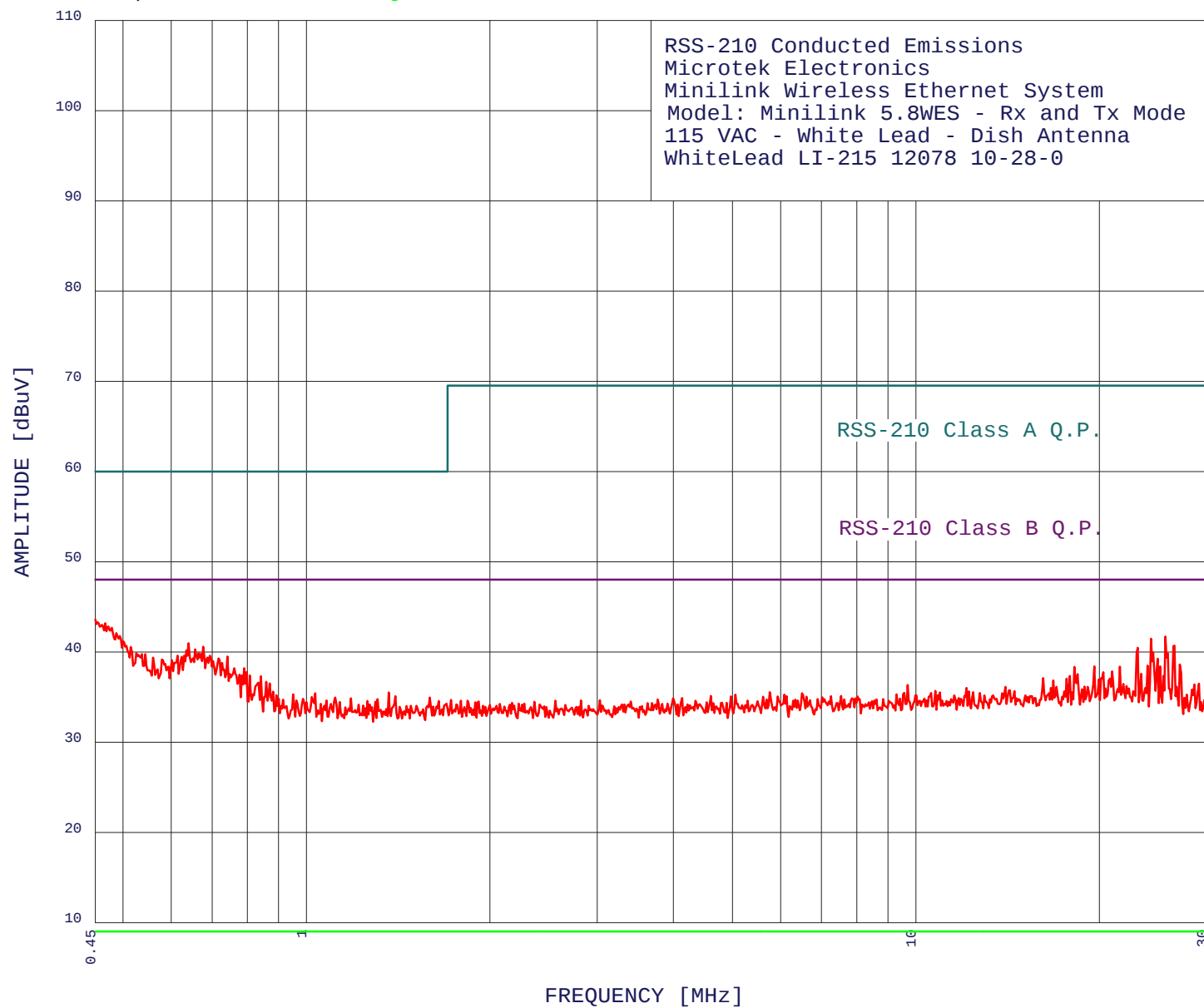
45 highest peaks above -50.00 dB of FCC Class B Q.P. limit line

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




**COMPATIBLE
ELECTRONICS**

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