

APPENDIX E

DATA SHEETS

HARMONIC EMISISSONS

DATA SHEETS

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - X-Axis**Data Radio -- Antenna Port 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	49.11	V	74	-24.89	Peak	1.77	0	
4805.14	43.17	V	54	-10.83	Avg	1.77	0	Video Averaging Only
4805.14	35.79	V	54	-18.21	Avg	1.77	0	Video Averaging + Duty Cycle
7207.71	50.64	V	74	-23.36	Peak	1.78	315	
7207.71	38.37	V	54	-15.63	Avg	1.78	315	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - X-Axis**Data Radio -- Antenna Port 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	51.89	H	74	-22.11	Peak	1.08	45	
4805.14	43.61	H	54	-10.39	Avg	1.08	45	Video Averaging Only
4805.14	36.23	H	54	-17.77	Avg	1.08	45	Video Averaging + Duty Cycle
7207.71	52.71	H	74	-21.29	Peak	1.09	45	
7207.71	39.63	H	54	-14.37	Avg	1.09	45	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

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Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - X-Axis**Data Radio -- Antenna Port 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	55.99	V	74	-18.01	Peak	2.11	135	
4878.66	52.75	V	54	-1.25	Avg	2.11	135	Video Averaging Only
4878.66	45.37	V	54	-8.63	Avg	2.11	135	Video Averaging + Duty Cycle
7317.99	50.39	V	74	-23.61	Peak	2.14	135	
7317.99	39.43	V	54	-14.57	Avg	2.14	135	Video Averaging Only
9757.32		V	--	--	Peak	2.11	125	No Emission
9757.32		V	--	--	Avg	2.11	125	Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - X-Axis**Data Radio -- Antenna Port 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	50.11	H	74	-23.89	Peak	2.45	0	
4878.66	43.69	H	54	-10.31	Avg	2.45	0	Video Averaging Only
4878.66	36.31	H	54	-17.69	Avg	2.45	0	Video Averaging + Duty Cycle
7317.99	53.01	H	74	-20.99	Peak	2.19	145	
7317.99	39.25	H	54	-14.75	Avg	2.19	145	Video Averaging Only
9757.32								No Emission
9757.32								Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Data Radio -- Antenna Port 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	54.34	V	74	-19.66	Peak	2.11	180	
4952.18	49.77	V	54	-4.23	Avg	2.11	180	Video Averaging Only
4952.18	42.39	V	54	-11.61	Avg	2.11	180	Video Averaging + Duty Cycle
7428.27	48.45	V	74	-25.55	Peak	2.11	135	
7428.27	39.09	V	54	-14.91	Avg	2.11	135	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
22285								Detected
24760.9								No Emission
24760.9								Detected

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/09/08
Lab: B
Tested By: Kyle Fujimoto

High Channel - X-Axis
Data Radio -- Antenna Port 6 -- Dipole Antenna

[illegible]

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	55.61	V	74	-18.39	Peak	1.34	180	
4805.14	51.21	V	54	-2.79	Avg	1.34	180	Video Averaging Only
4805.14	43.83	V	54	-10.17	Avg	1.34	180	Video Averaging + Duty Cycle
7207.71	50.13	V	74	-23.87	Peak	1.95	135	
7207.71	38.77	V	54	-15.23	Avg	1.95	135	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	51.41	H	74	-22.59	Peak	2.21	225	
4805.14	46.07	H	54	-7.93	Avg	2.21	225	Video Averaging Only
4805.14	38.69	H	54	-15.31	Avg	2.21	225	Video Averaging + Duty Cycle
7207.71	49.81	H	74	-24.19	Peak	1.95	125	
7207.71	39.58	H	54	-14.42	Avg	1.95	125	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

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Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	59.61	V	74	-14.39	Peak	1.42	135	
4878.66	56.61	V	54	2.61	Avg	1.42	135	Video Averaging Only
4878.66	49.23	V	54	-4.77	Avg	1.42	135	Video Averaging + Duty Cycle
7317.99	49.89	V	74	-24.11	Peak	1.91	180	
7317.99	41.09	V	54	-12.91	Avg	1.91	180	Video Averaging Only
9757.32								No Emission
9757.32								Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	53.34	H	74	-20.66	Peak	2.28	225	
4878.66	47.28	H	54	-6.72	Avg	2.28	225	Video Averaging Only
4878.66	39.9	H	54	-14.1	Avg	2.28	225	Video Averaging + Duty Cycle
7317.99	49.63	H	74	-24.37	Peak	2.29	45	
7317.99	40.62	H	54	-13.38	Avg	2.29	45	Video Averaging Only
9757.32								No Emission
9757.32								Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	57.11	V	74	-16.89	Peak	1.66	135	
4952.18	53.82	V	54	-0.18	Avg	1.66	135	Video Averaging Only
4952.18	46.44	V	54	-7.56	Avg	1.66	135	Video Averaging + Duty Cycle
7428.27	47.84	V	74	-26.16	Peak	2.05	225	
7428.27	38.28	V	54	-15.72	Avg	2.05	225	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
22285								Detected
24760.9								No Emission
24760.9								Detected

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Gatekeeper Systems, Inc.
Indoor Manager
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Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Data Radio -- Antenna Port 6 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	51.15	H	74	-22.85	Peak	2.49	135	
4952.18	45.99	H	54	-8.01	Avg	2.49	135	Video Averaging Only
4952.18	38.61	H	54	-15.39	Avg	2.49	135	Video Averaging + Duty Cycle
7428.27	48.63	H	74	-25.37	Peak	2.42	180	
7428.27	38.46	H	54	-15.54	Avg	2.42	180	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
2284.81								Detected
24760.9								No Emission
24760.9								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Data Radio -- Antenna 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	57.41	V	74	-16.59	Peak	1	270	
4805.14	54.66	V	54	0.66	Avg	1	270	Video Averaging Only
4805.14	47.28	V	54	-6.72	Avg	1	270	Video Averaging + Duty Cycle
7207.71	49.57	V	74	-24.43	Peak	2.11	135	
7207.71	38.25	V	54	-15.75	Avg	2.11	135	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Data Radio -- Antenna 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	55.66	H	74	-18.34	Peak	2.15	225	
4805.14	50.42	H	54	-3.58	Avg	2.15	225	Video Averaging Only
4805.14	43.04	H	54	-10.96	Avg	2.15	225	Video Averaging + Duty Cycle
7207.71	50.73	H	74	-23.27	Peak	2.19	135	
7207.71	38.71	H	54	-15.29	Avg	2.19	135	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Middle Channel - Y-Axis
Data Radio -- Antenna 6 -- Dipole Antenna

[illegible]

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Data Radio -- Antenna 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	56.72	H	74	-17.28	Peak	1	135	
4878.66	51.29	H	54	-2.71	Avg	1	135	Video Averaging Only
4878.66	43.91	H	54	-10.09	Avg	1	135	Video Averaging + Duty Cycle
7317.99	53.72	H	74	-20.28	Peak	2.15	135	
7317.99	38.88	H	54	-15.12	Avg	2.15	135	Video Averaging Only
9757.32								No Emission
9757.32								Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Data Radio -- Antenna 6 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	54.88	V	74	-19.12	Peak	2.26	135	
4952.18	50.42	V	54	-3.58	Avg	2.26	135	Video Averaging Only
4952.18	43.04	V	54	-10.96	Avg	2.26	135	Video Averaging + Duty Cycle
7428.27	48.46	V	74	-25.54	Peak	2.15	135	
7428.27	37.65	V	54	-16.35	Avg	2.15	135	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
22285								Detected
24760.9								No Emission
24760.9								Detected

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Tested By: Kyle Fujimoto

Data Radio -- Antenna 6 -- Dipole Antenna

[illegible]

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Low Channel - Y-Axis

[illegible]

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Data Radio -- Antenna 6 -- Patch Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	58.23	H	74	-15.77	Peak	1.62	45	
4805.14	55.36	H	54	1.36	Avg	1.62	45	Video Averaging Only
4805.14	47.98	H	54	-6.02	Avg	1.62	45	Video Averaging + Duty Cycle
7207.71	48.83	H	74	-25.17	Peak	1.94	45	
7207.71	39.74	H	54	-14.26	Avg	1.94	45	Video Averaging Only
9610.28								No Emission
9610.28								Detected
12012.9								No Emission
12012.9								Detected
14415.4								No Emission
14415.4								Detected
16818								No Emission
16818								Detected
19220.6								No Emission
19220.6								Detected
21623.1								No Emission
21623.1								Detected
24025.7								No Emission
24025.7								Detected

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Middle Channel - Y-Axis
Data Radio -- Antenna 6 -- Patch Antenna

[illegible]

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Data Radio -- Antenna 6 -- Patch Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	58.03	H	74	-15.97	Peak	2.26	0	
4878.66	55.11	H	54	1.11	Avg	2.26	0	Video Averaging Only
4878.66	47.73	H	54	-6.27	Avg	2.26	0	Video Averaging + Duty Cycle
7317.99	49.08	H	74	-24.92	Peak	1.12	150	
7317.99	38.56	H	54	-15.44	Avg	1.12	150	Video Averaging Only
9757.32								No Emission
9757.32								Detected
12196.7								No Emission
19196.7								Detected
14636								No Emission
14636								Detected
17075.3								No Emission
17075.3								Detected
19514.6								No Emission
19514.6								Detected
21954								No Emission
21954								Detected
24393								No Emission
24393								Detected

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Data Radio -- Antenna 6 -- Patch Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	57.01	V	74	-16.99	Peak	1.25	0	
4952.18	54.32	V	54	0.32	Avg	1.25	0	Video Averaging Only
4952.18	46.94	V	54	-7.06	Avg	1.25	0	Video Averaging + Duty Cycle
7428.27	52.12	V	74	-21.88	Peak	2.23	135	
7428.27	43.33	V	54	-10.67	Avg	2.23	135	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
22285								Detected
24760.9								No Emission
24760.9								Detected

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Data Radio -- Antenna 6 -- Patch Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	54.38	H	74	-19.62	Peak	1.24	45	
4952.18	50.96	H	54	-3.04	Avg	1.24	45	Video Averaging Only
4952.18	43.58	H	54	-10.42	Avg	1.24	45	Video Averaging + Duty Cycle
7428.27	48.64	H	74	-25.36	Peak	1.42	135	
7428.27	38.42	H	54	-15.58	Avg	1.42	135	Video Averaging Only
9904.36								No Emission
9904.36								Detected
12380.5								No Emission
12380.5								Detected
14856.5								No Emission
14856.5								Detected
17332.6								No Emission
17332.6								Detected
19808.7								No Emission
19808.7								Detected
22284.8								No Emission
22285								Detected
24760.9								No Emission
24760.9								Detected

RECEIVER EMISIONS

DATA SHEETS

SPURIOUS EMISSIONS

DATA SHEETS

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/15/08
Lab: B
Tested By: Kyle Fujimoto

**Radiated Emissions -- 9 kHz to 1000 MHz
Vertical and Horizontal Polarization
Configuration #11 - Tx Mode (Worst Case)**

[illegible]

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis
Data Radio -- Antenna Port 6 -- Dipole Antenna

[illegible]

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis
Data Radio -- Antenna Port 6 -- Panel Type Antenna

[illegible]

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

Digital Portion and Non-Harmonic Emissions from the Transmitter - Y-Axis
Data Radio -- Antenna Port 6 -- Dipole Antenna

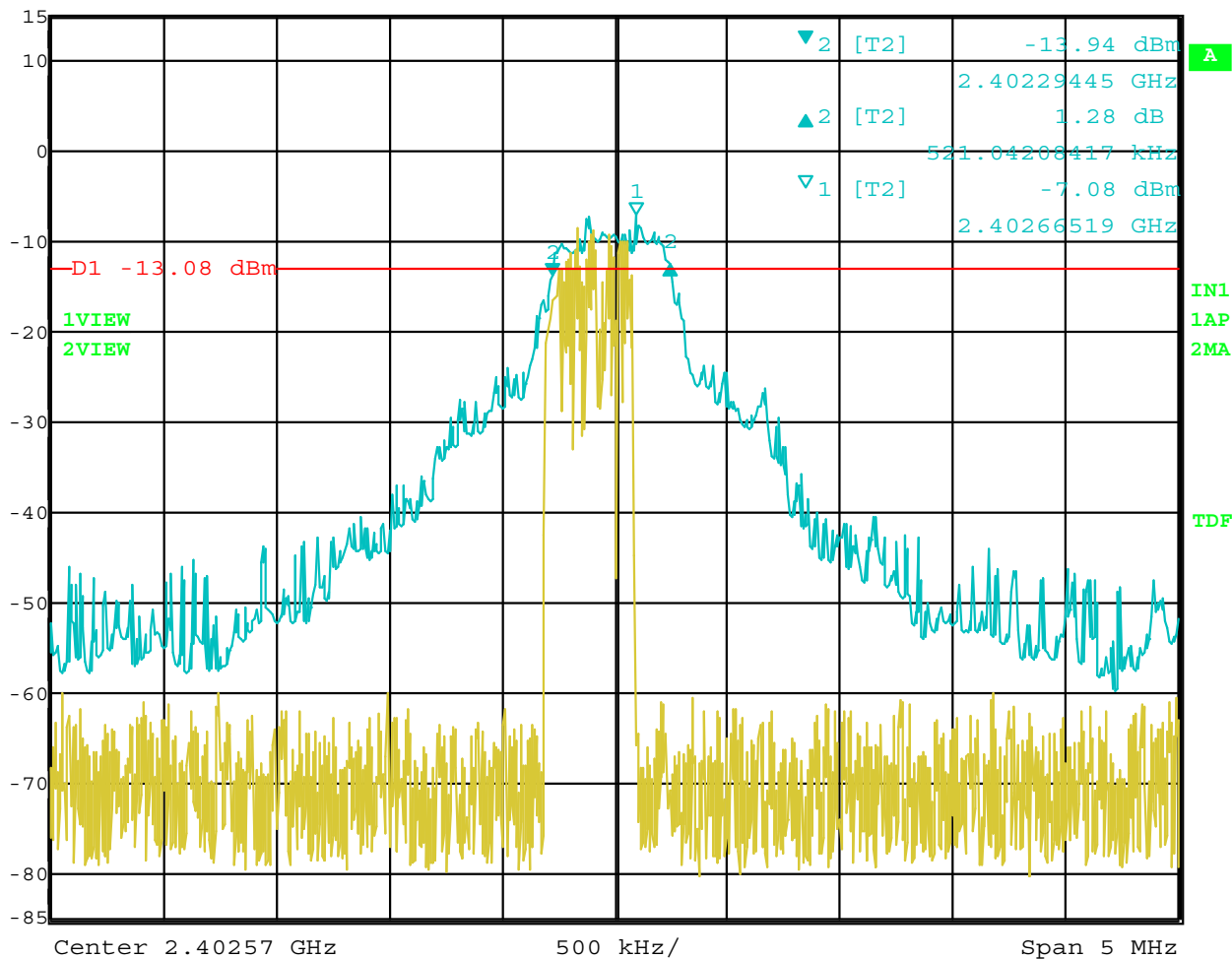
[illegible]

-6 dB BANDWIDTH

DATA SHEETS



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 1.28 dB VBW 300 kHz
15 dBm 521.04208417 kHz SWT 5 ms Unit dBm

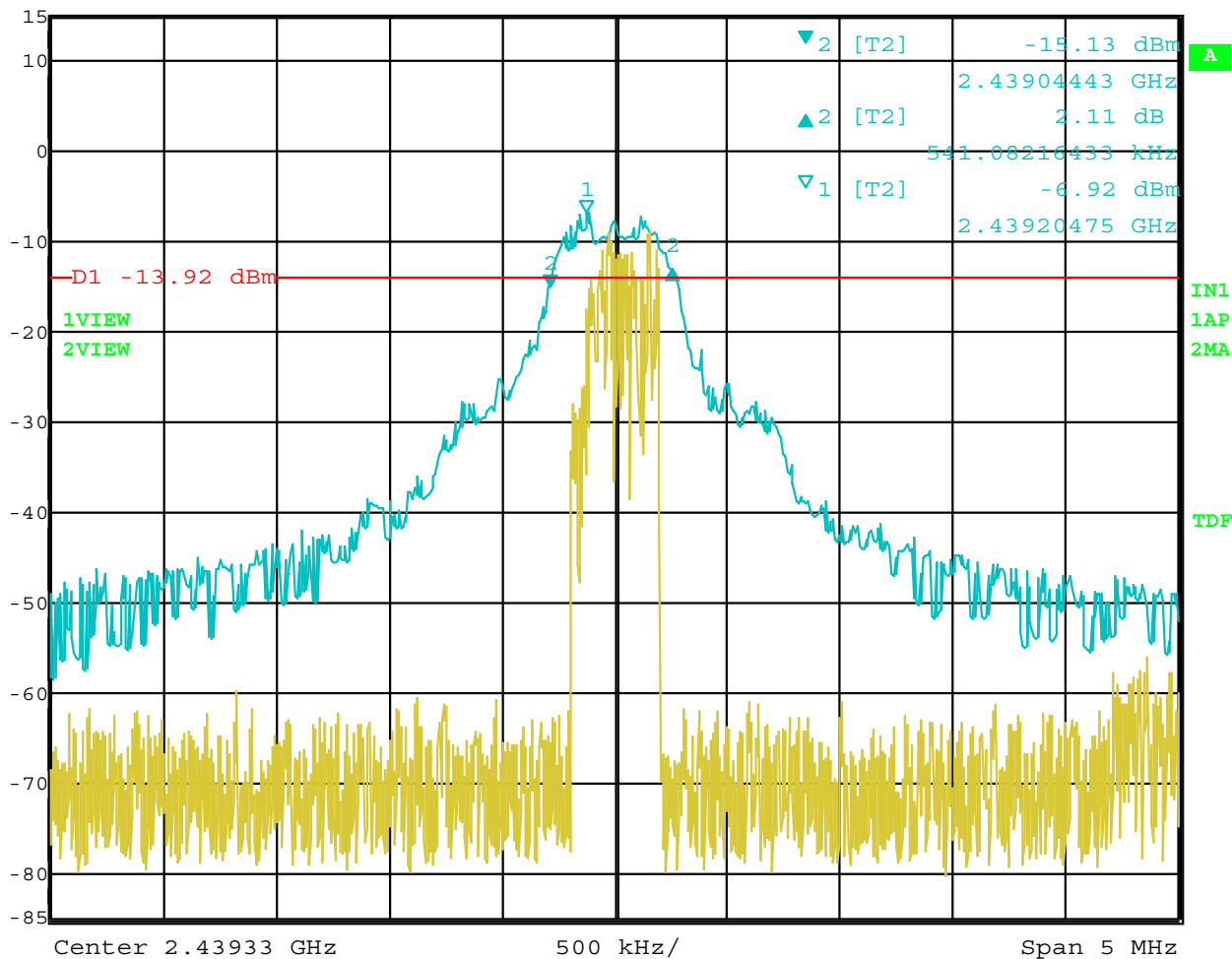


Date: 11.JUL.2008 14:27:00

Bandwidth 6 dB – Low Channel – Data Radio – Port 6



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 2.11 dB VBW 300 kHz
15 dBm 541.08216433 kHz SWT 5 ms Unit dBm

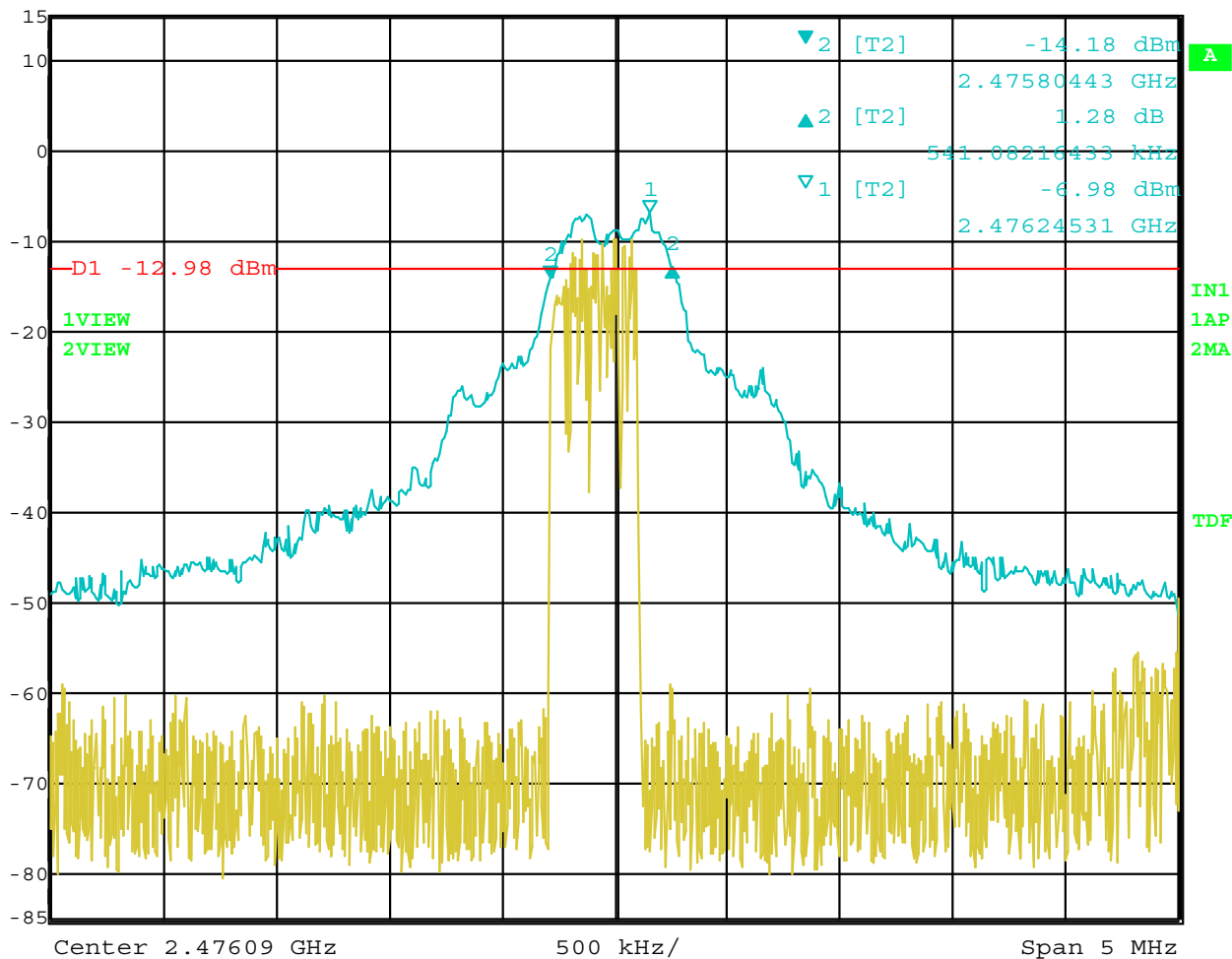


Date: 11.JUL.2008 14:40:42

Bandwidth 6 dB – Middle Channel – Data Radio – Port 6



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 1.28 dB VBW 300 kHz
15 dBm 541.08216433 kHz SWT 5 ms Unit dBm



Date: 11.JUL.2008 14:47:34

Bandwidth 6 dB – High Channel – Data Radio – Port 6

PEAK POWER OUTPUT***DATA SHEETS***

PEAK OUTPUT POWER

Indoor Manager

Model: D-9700

Data Radio

CHANNEL	PORT NUMBER	100% Peak Power (dBm)
LOW	6	-2.12
MIDDLE	6	-2.24
HIGH	6	-2.63

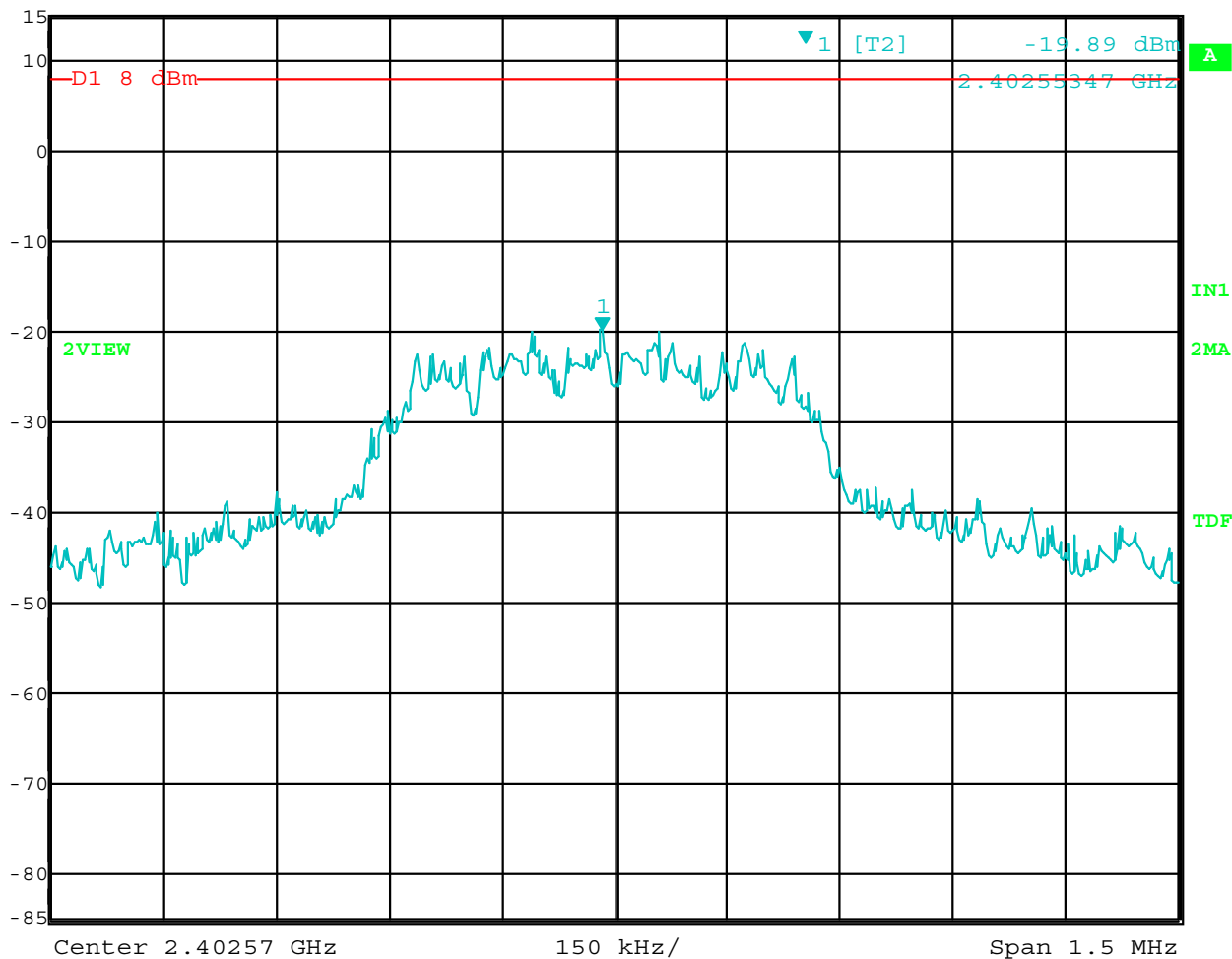
Note: Antenna port #5 was verified to insure that the peak power output was the same as antenna port #6.

SPECTRAL DENSITY OUTPUT

DATA SHEETS



Ref Lvl 15 dBm Marker 1 [T2] RBW 3 kHz RF Att 30 dB
-19.89 dBm VBW 10 kHz
2.40255347 GHz SWT 500 s Unit dBm

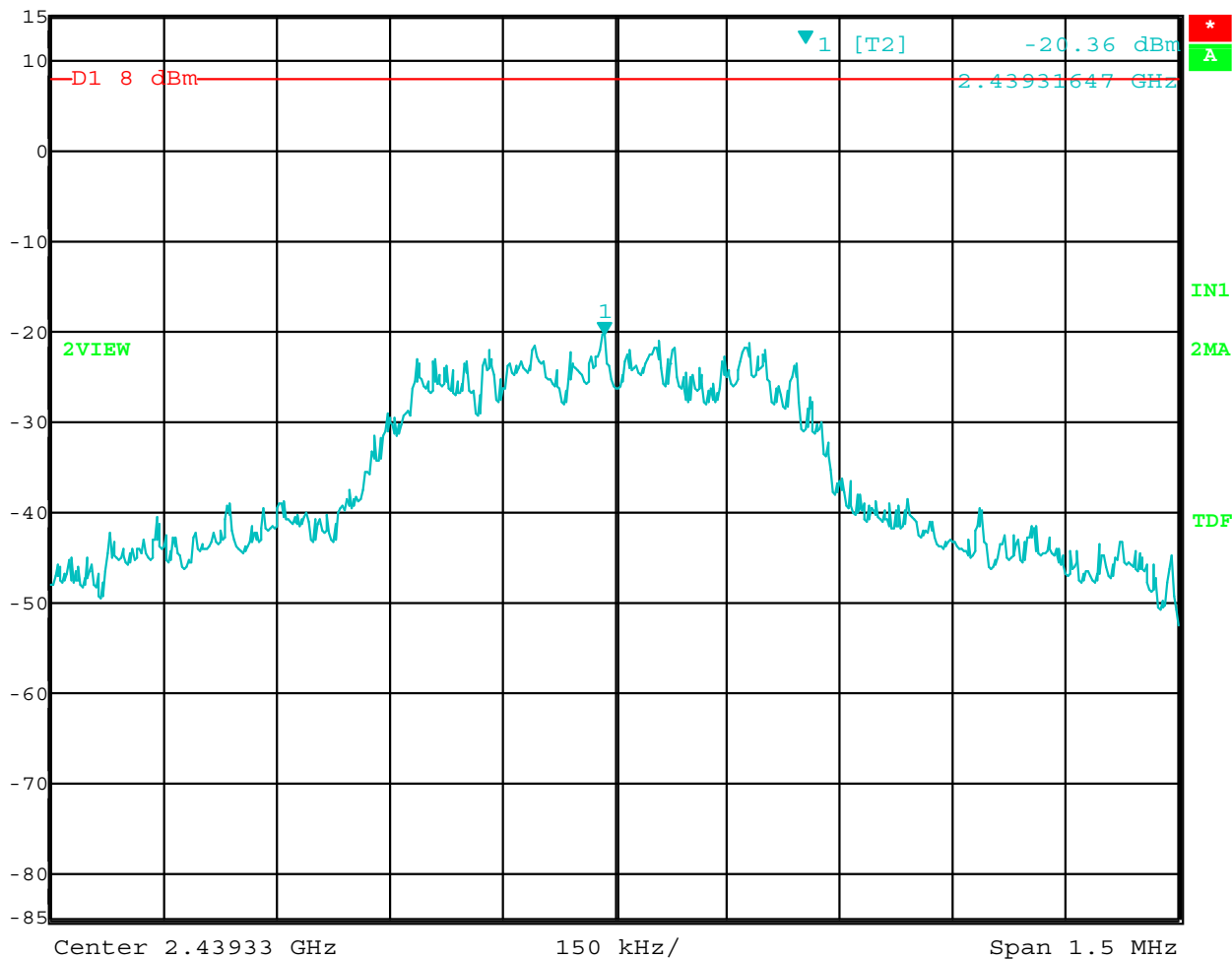


Date: 11.JUL.2008 15:50:47

Spectral Density Output – Low Channel – Data Radio – Port 6



Ref Lvl 15 dBm
Marker 1 [T2] -20.36 dBm
2.43931647 GHz
RBW 3 kHz
VBW 10 kHz
SWT 500 s
RF Att 30 dB
Unit dBm

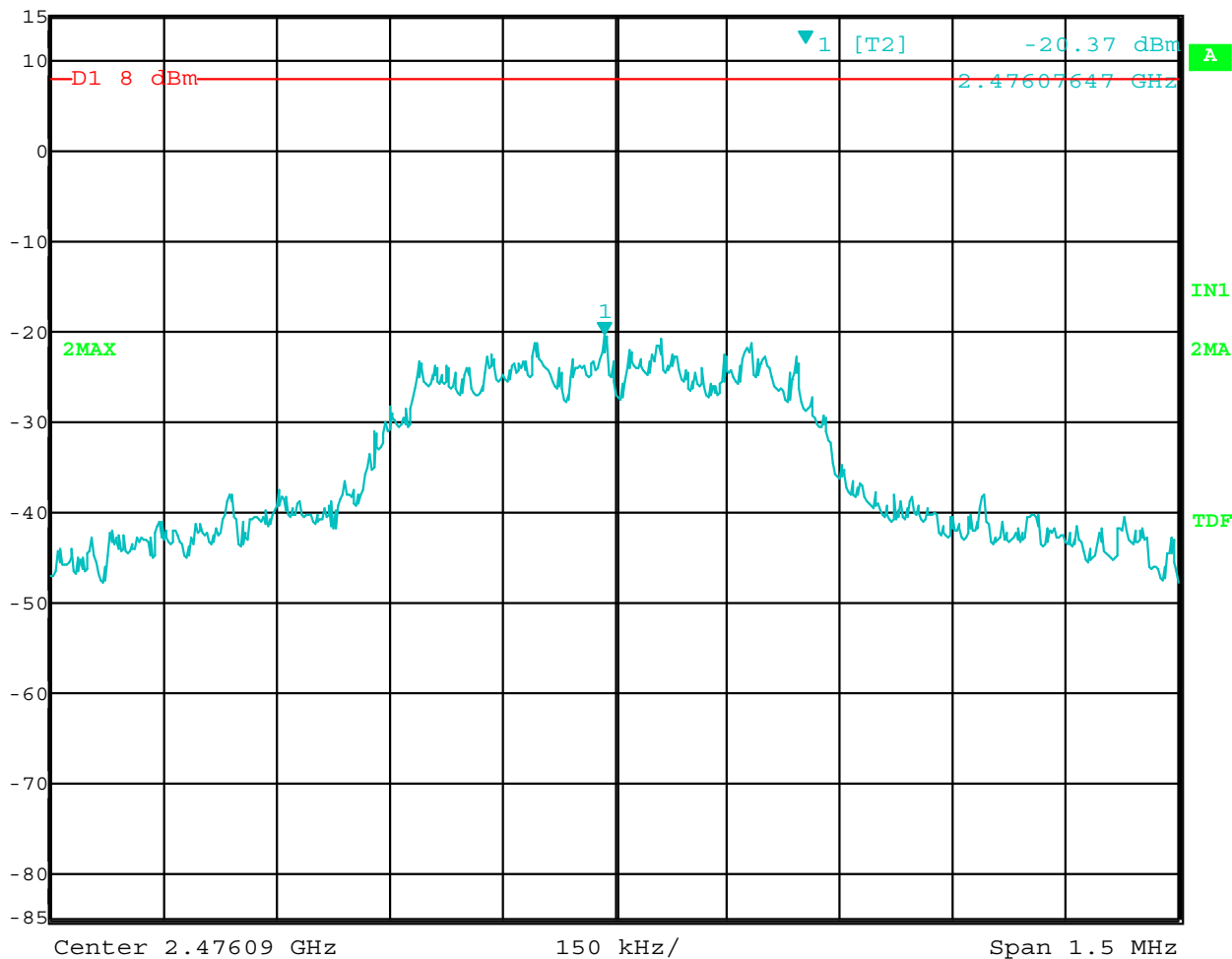


Date: 11.JUL.2008 16:03:37

Spectral Density Output – Middle Channel – Data Radio – Port 6



Ref Lvl 15 dBm
Marker 1 [T2] -20.37 dBm
2.47607647 GHz
RBW 3 kHz
RF Att 30 dB
VBW 10 kHz
SWT 500 s
Unit dBm



Date: 11.JUL.2008 16:34:44

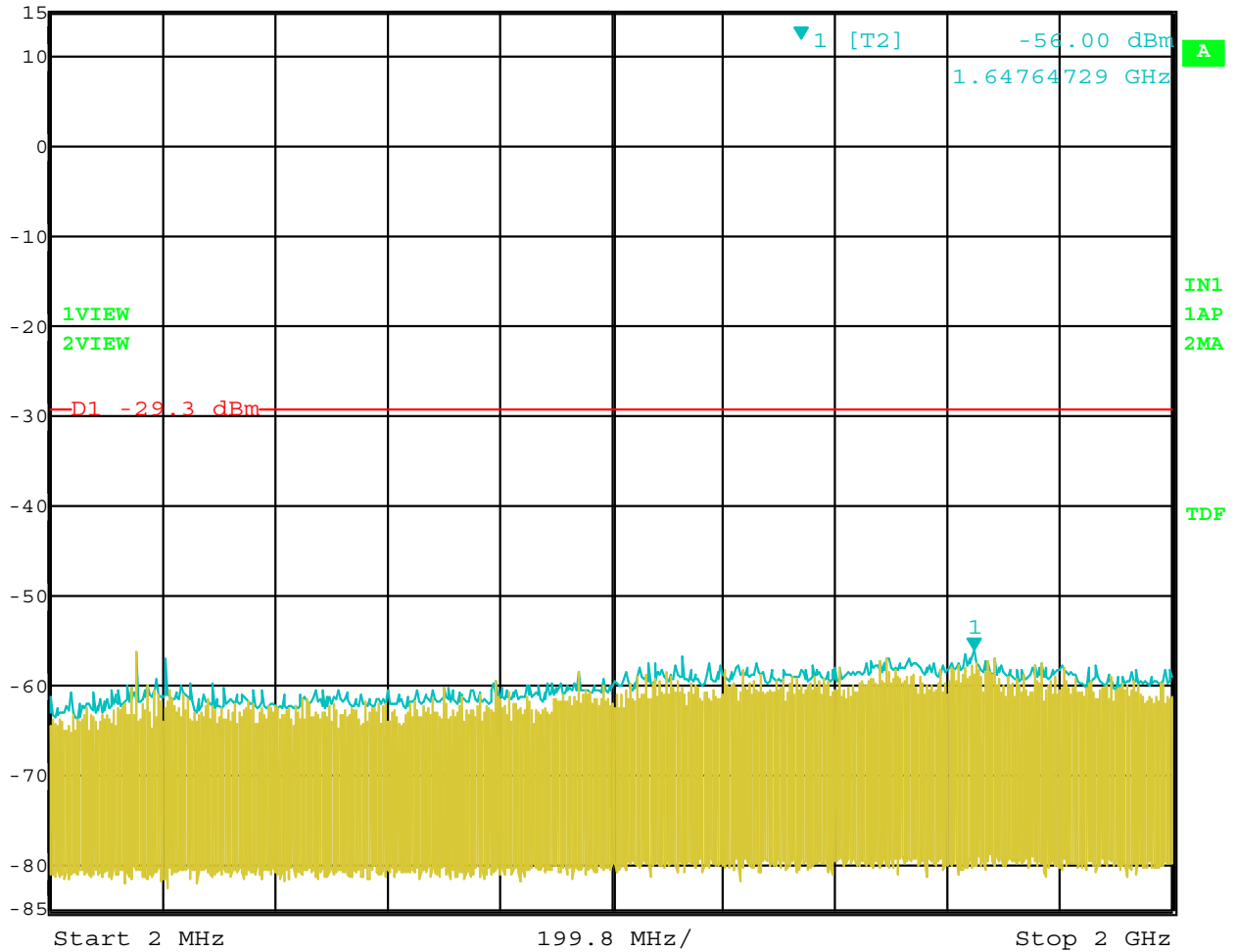
Spectral Density Output – High Channel – Data Radio – Port 6

RF ANTENNA CONDUCTED

DATA SHEETS



Ref Lvl 15 dBm
Marker 1 [T2] -56.00 dBm
1.64764729 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 500 ms Unit dBm

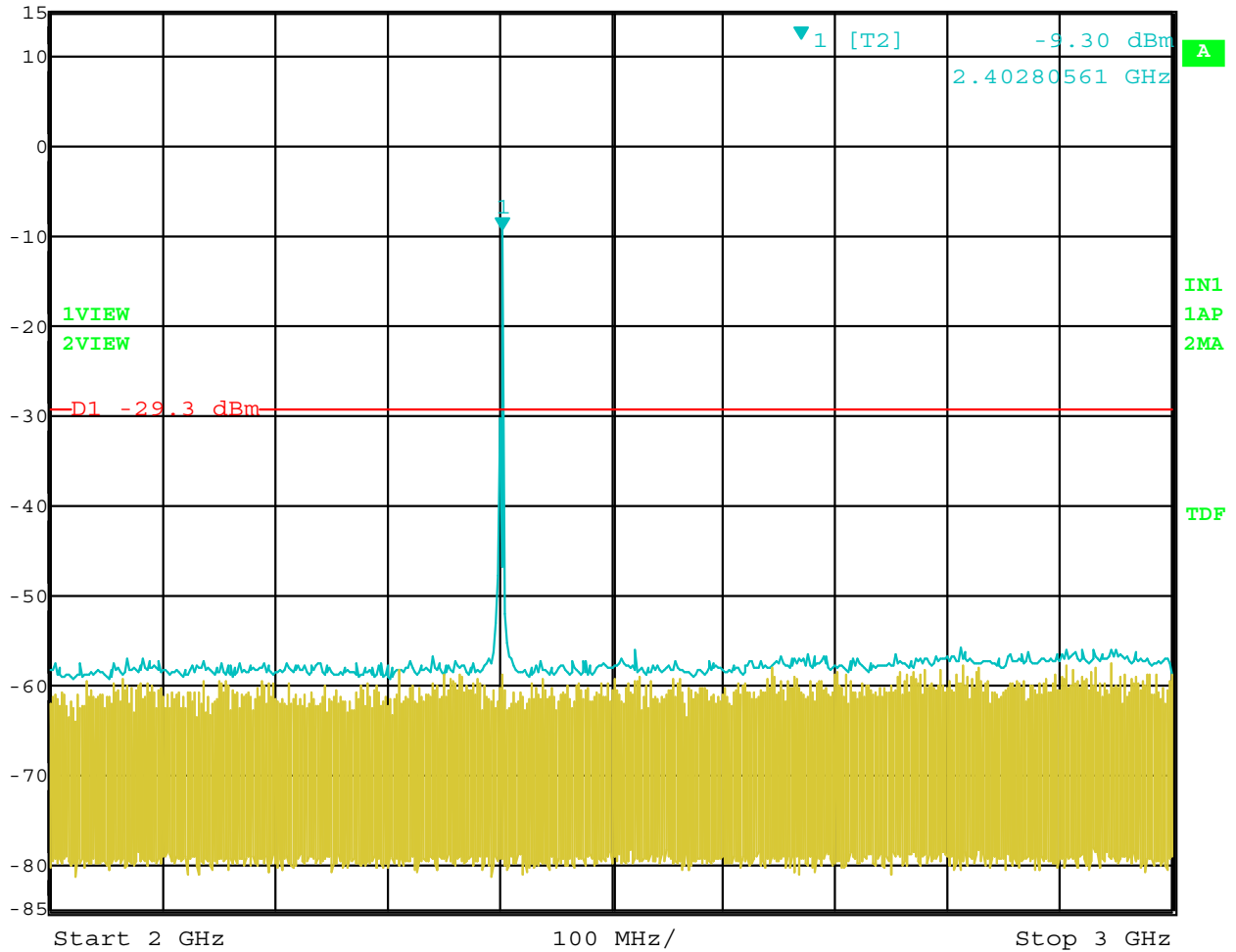


Date: 11.JUL.2008 15:13:01

RF Antenna Conducted Test – Low Channel – Data Radio – Port 6 – 2 MHz to 2 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-9.30 dBm VBW 300 kHz
2.40280561 GHz SWT 250 ms Unit dBm

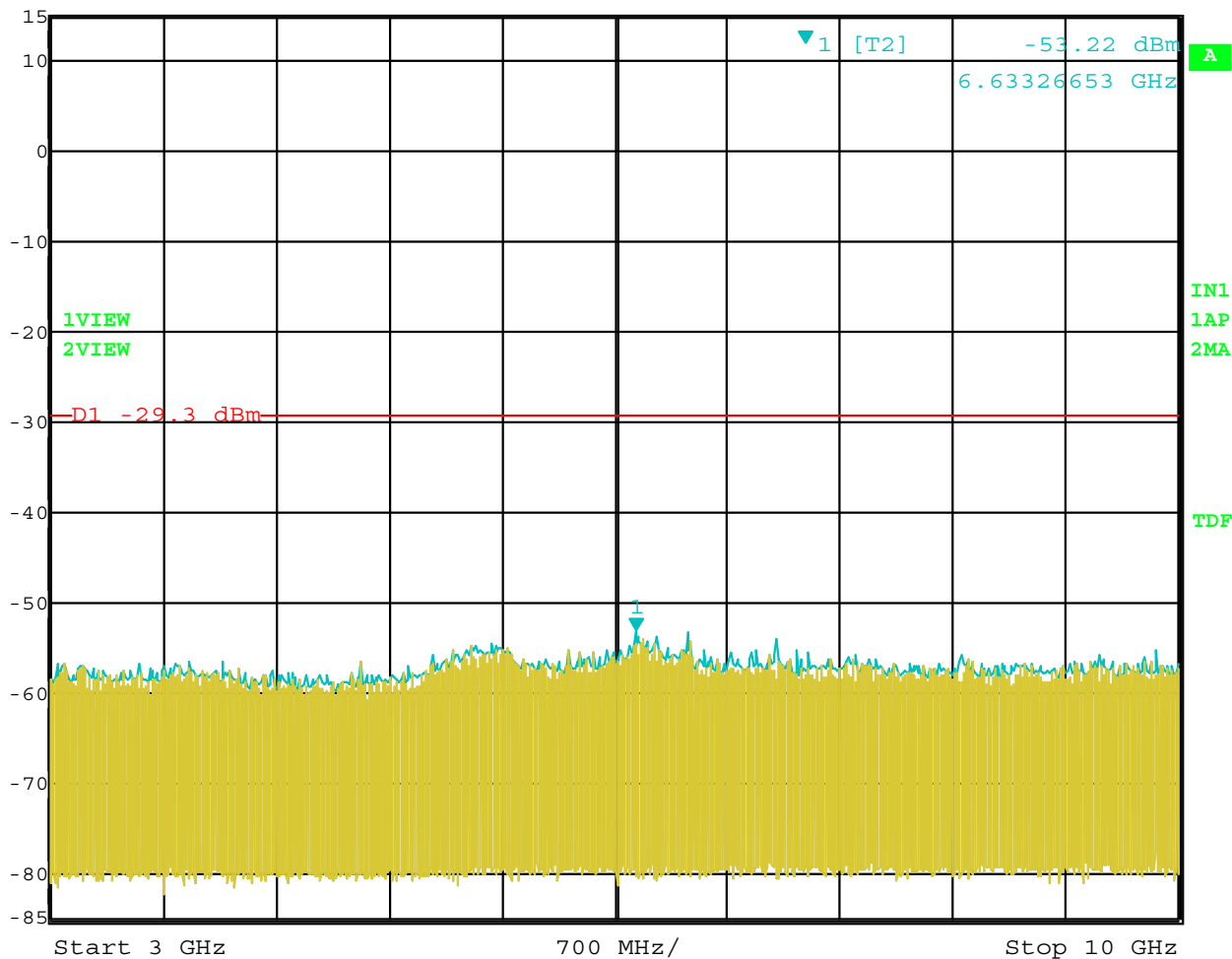


Date: 11.JUL.2008 15:12:36

RF Antenna Conducted Test – Low Channel – Data Radio – Port 6 – 2 GHz to 3 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -53.22 dBm
6.63326653 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

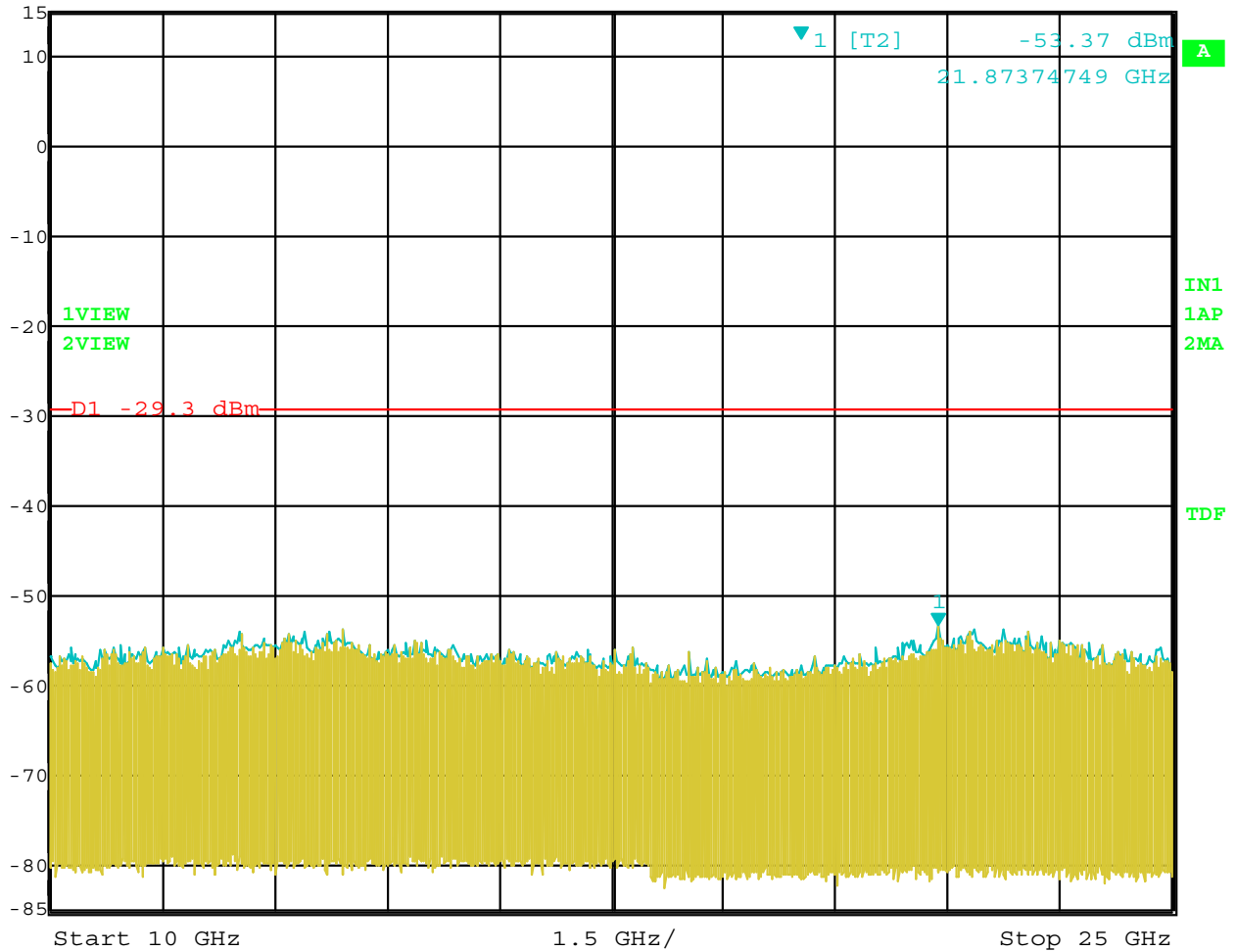


Date: 11.JUL.2008 15:13:41

RF Antenna Conducted Test – Low Channel – Data Radio – Port 6 – 3 GHz to 10 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -53.37 dBm
21.87374749 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

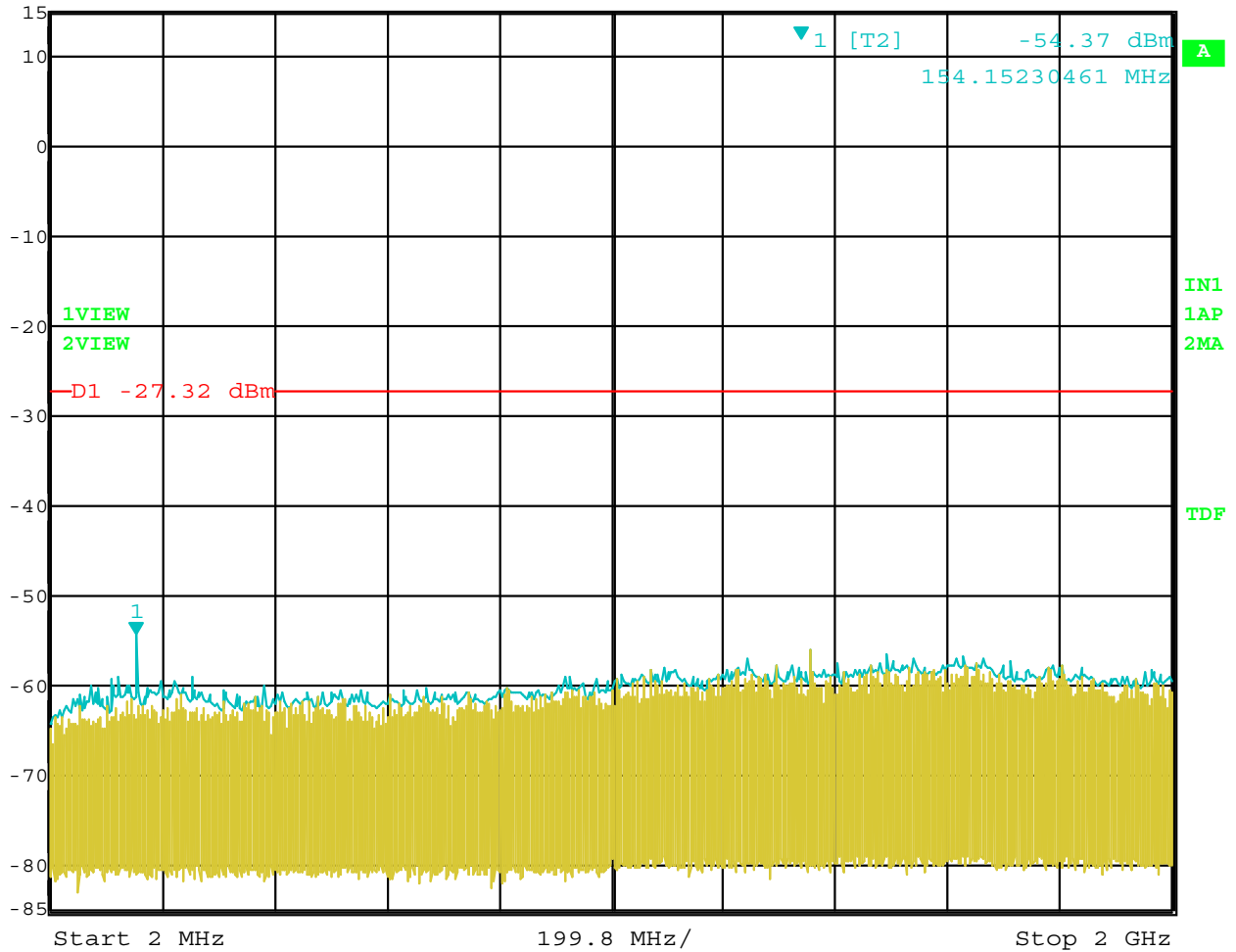


Date: 11.JUL.2008 15:14:35

RF Antenna Conducted Test – Low Channel – Data Radio – Port 6 – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl -54.37 dBm VBW 300 kHz
15 dBm 154.15230461 MHz SWT 500 ms Unit dBm

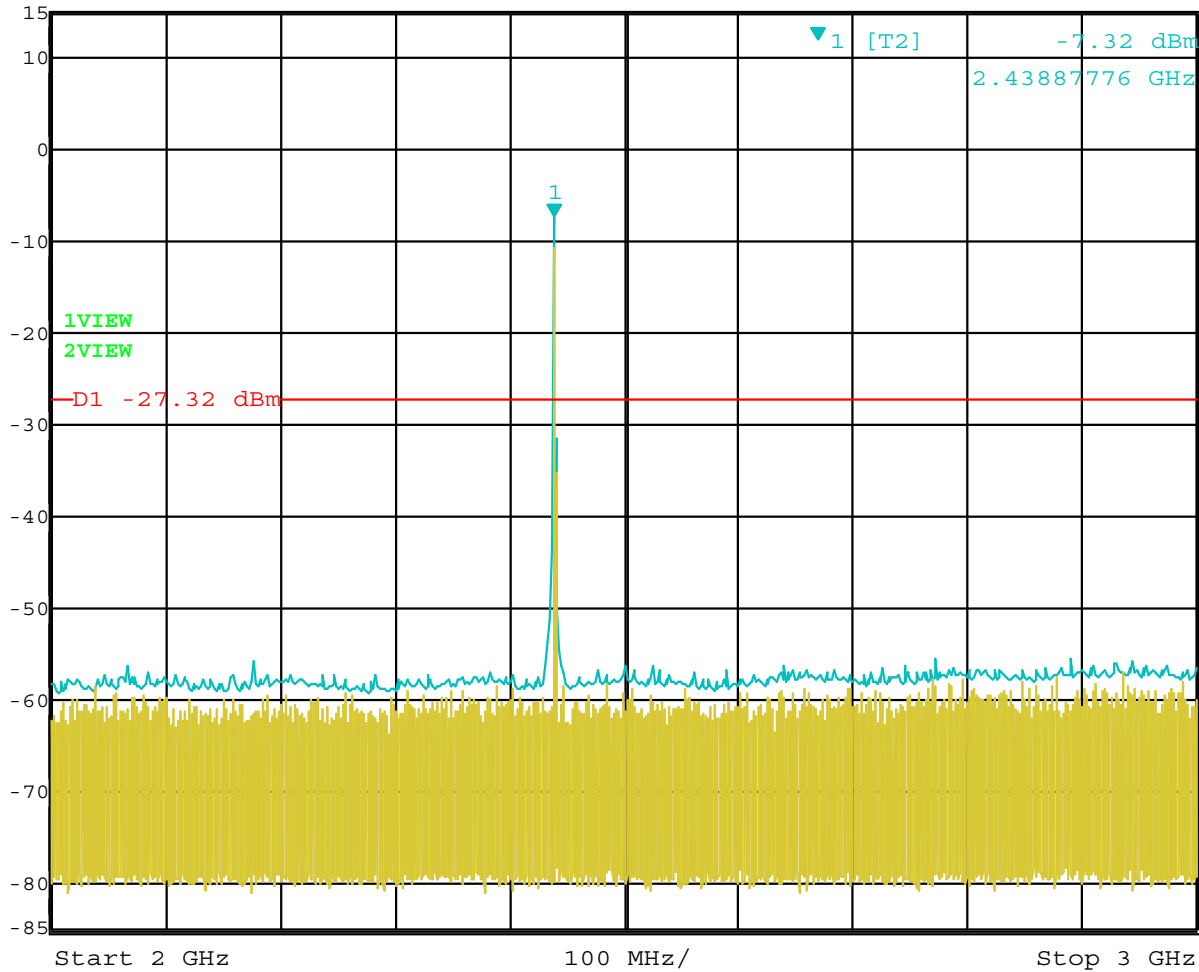


Date: 11.JUL.2008 15:05:15

RF Antenna Conducted Test – Middle Channel – Data Radio – Port 6 – 2 MHz to 2 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-7.32 dBm VBW 300 kHz
2.43887776 GHz SWT 250 ms Unit dBm

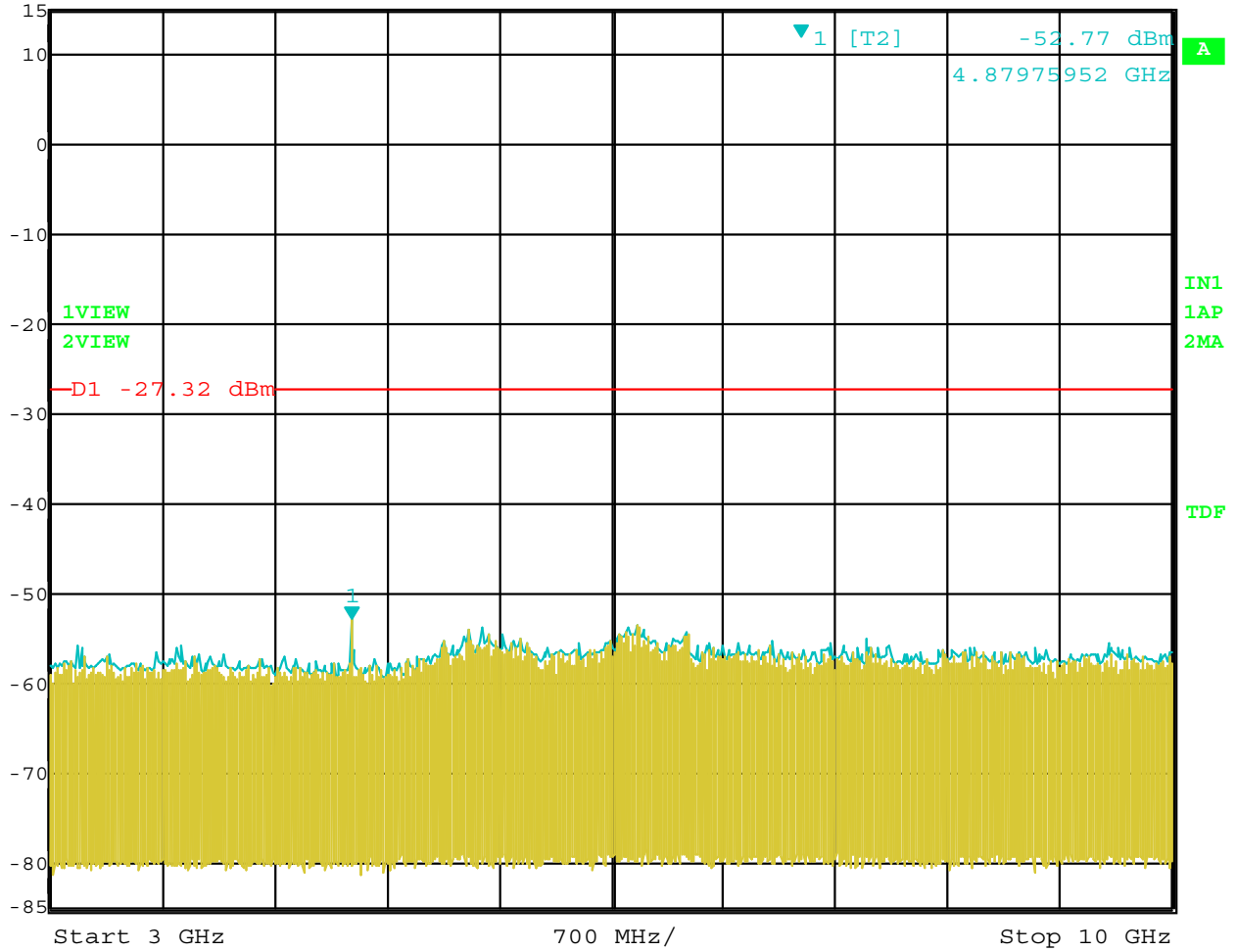


Date: 11.JUL.2008 15:04:37

RF Antenna Conducted Test – Middle Channel – Data Radio – Port 6 – 2 GHz to 3 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -52.77 dBm
4.87975952 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

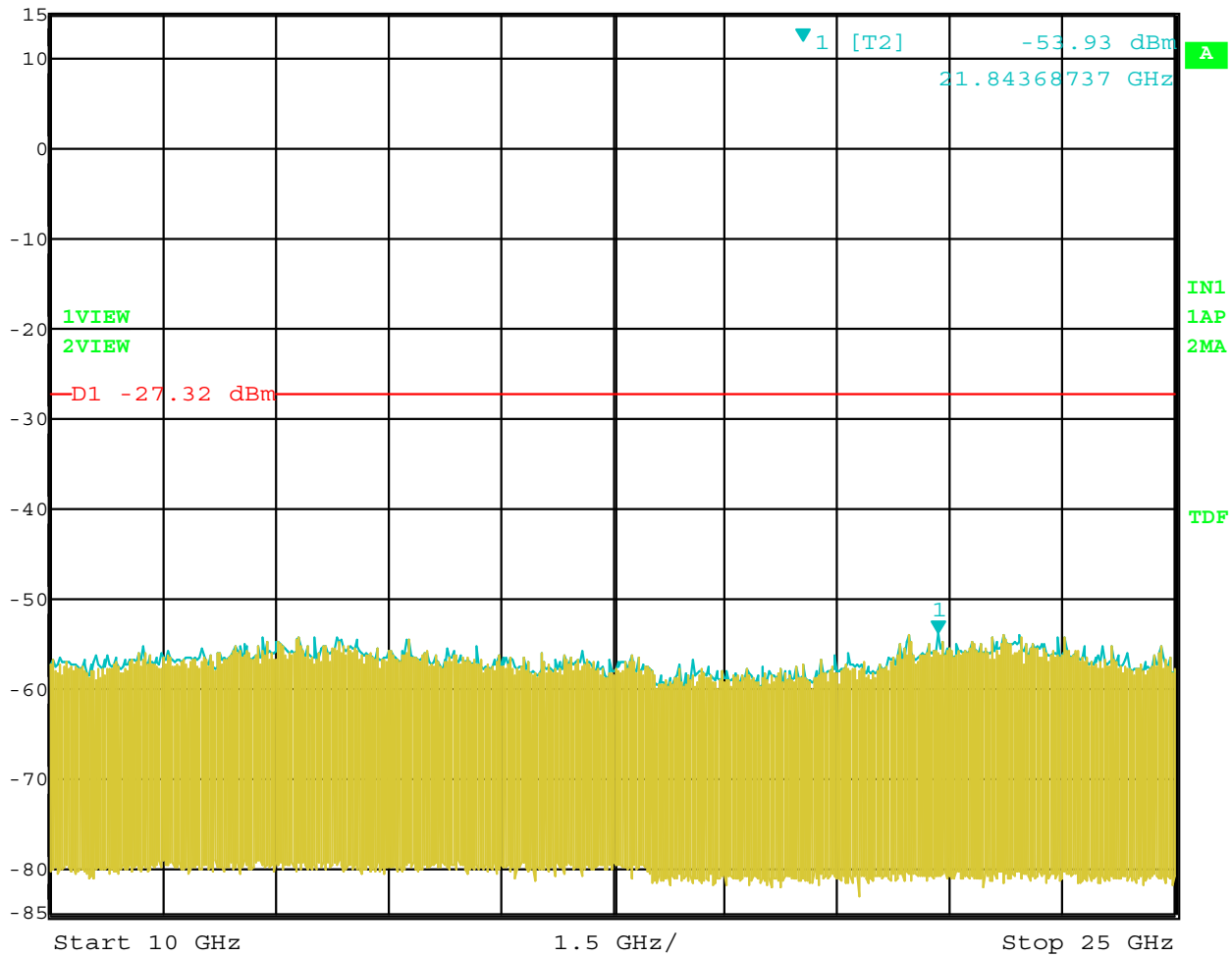


Date: 11.JUL.2008 15:06:43

RF Antenna Conducted Test – Middle Channel – Data Radio – Port 6 – 3 GHz to 10 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-53.93 dBm VBW 300 kHz
21.84368737 GHz SWT 3.8 s Unit dBm

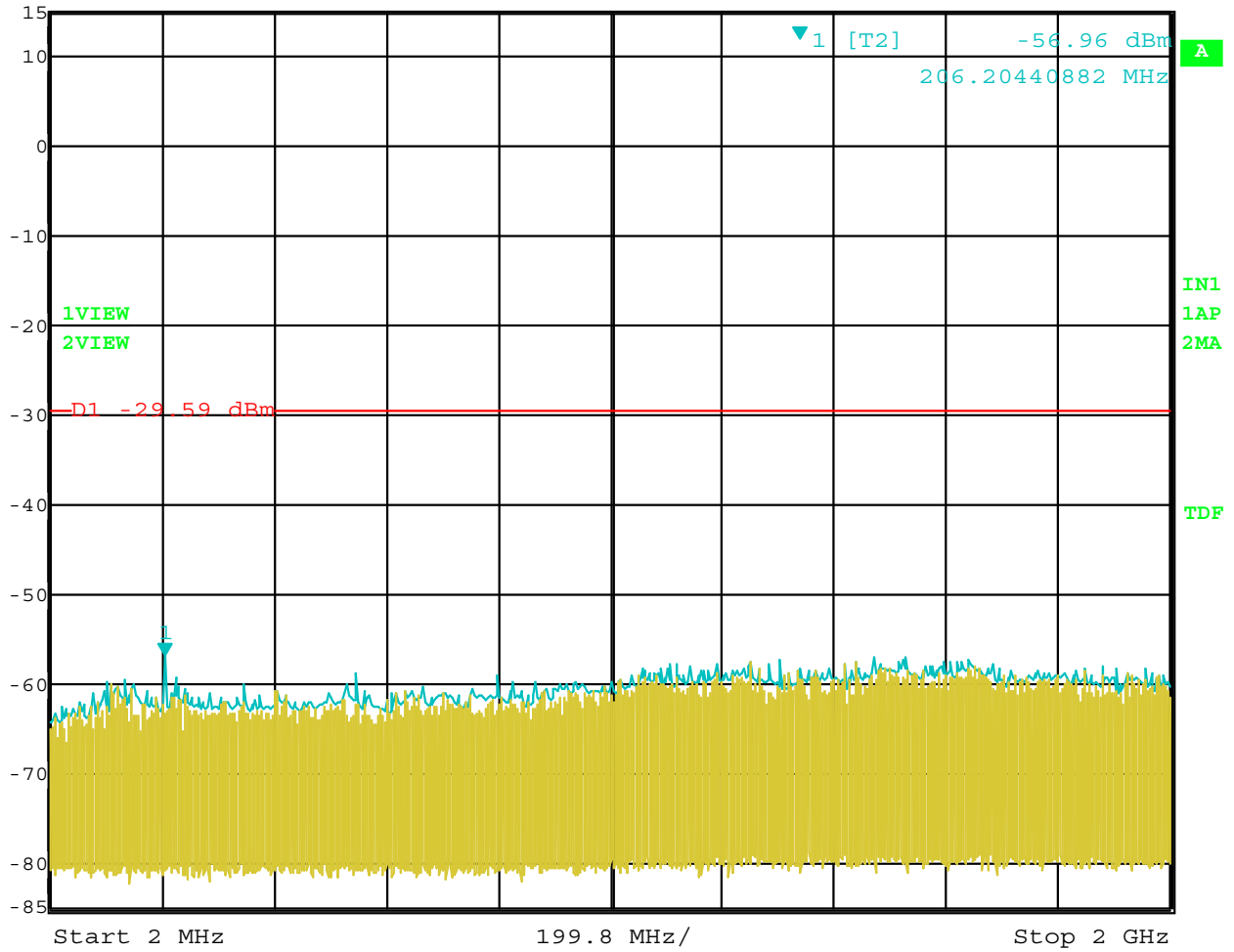


Date: 11.JUL.2008 15:07:16

RF Antenna Conducted Test – Middle Channel – Data Radio – Port 6 – 10 GHz to 25 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-56.96 dBm VBW 300 kHz
206.20440882 MHz SWT 500 ms Unit dBm

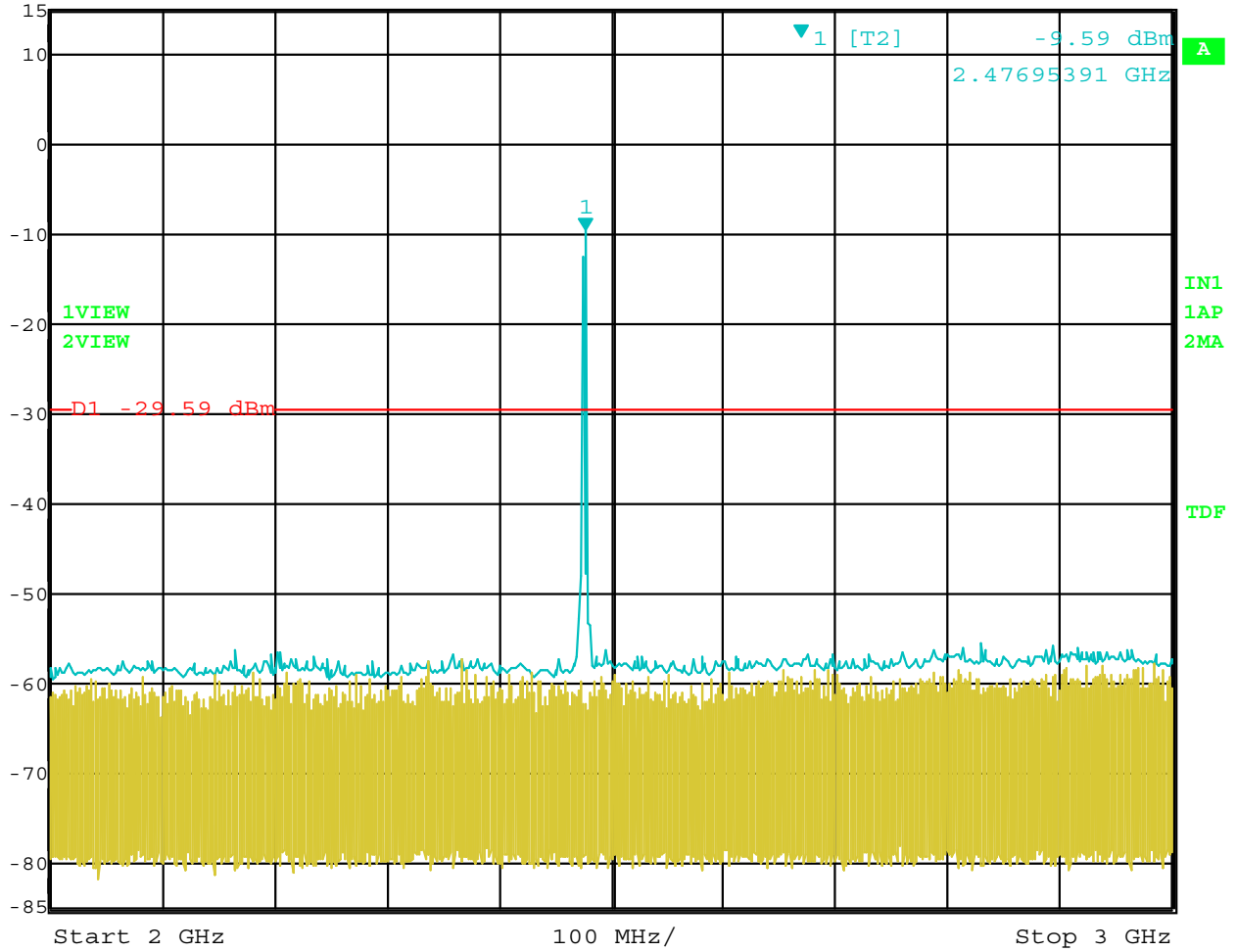


Date: 11.JUL.2008 14:58:10

RF Antenna Conducted Test – High Channel – Data Radio – Port 6 – 2 MHz to 2 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-9.59 dBm VBW 300 kHz
2.47695391 GHz SWT 250 ms Unit dBm

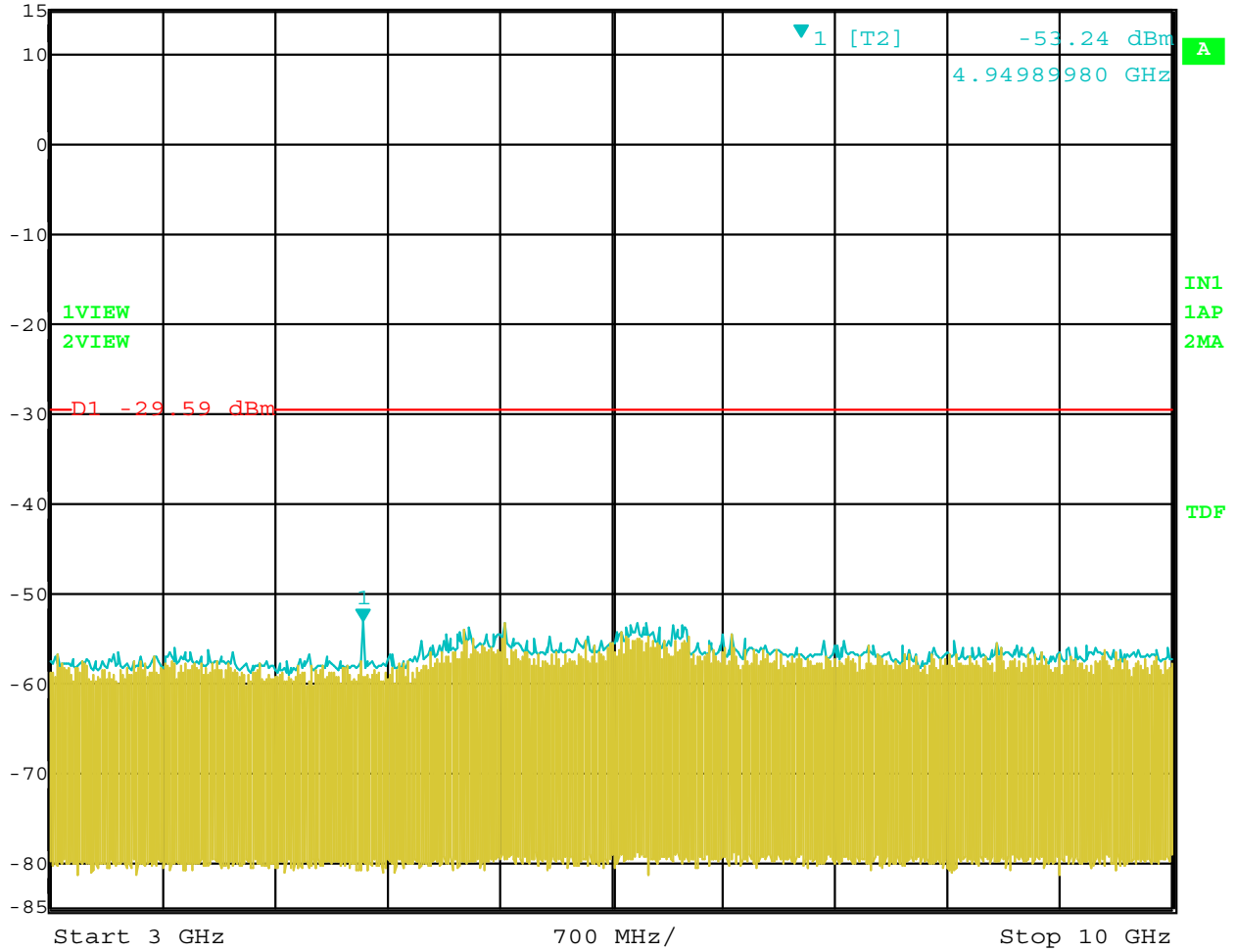


Date: 11.JUL.2008 14:57:45

RF Antenna Conducted Test – High Channel – Data Radio – Port 6 – 2 GHz to 3 GHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl -53.24 dBm VBW 300 kHz
15 dBm 4.94989980 GHz SWT 1.75 s Unit dBm

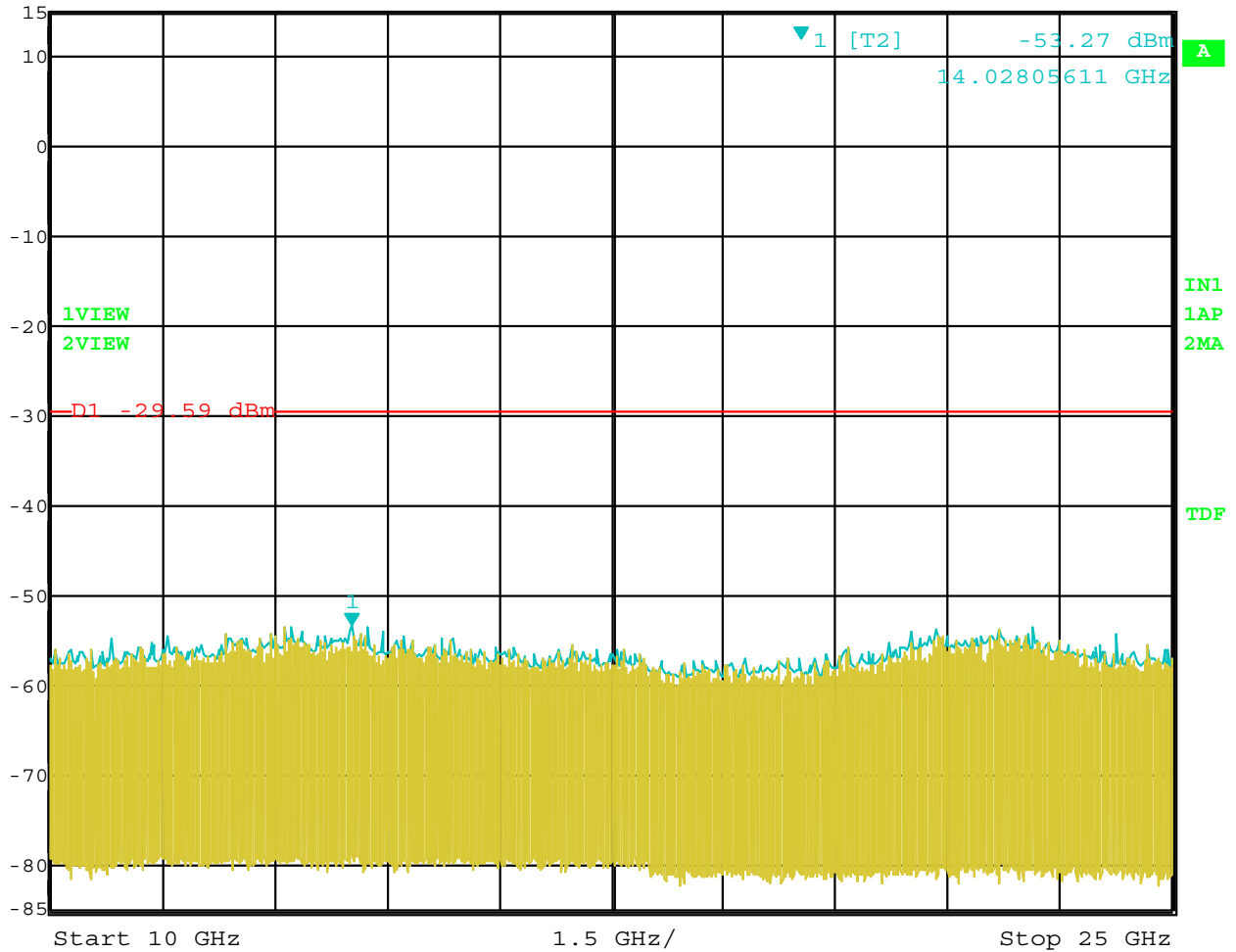


Date: 11.JUL.2008 14:58:48

RF Antenna Conducted Test – High Channel – Data Radio – Port 6 – 3 GHz to 10 GHz

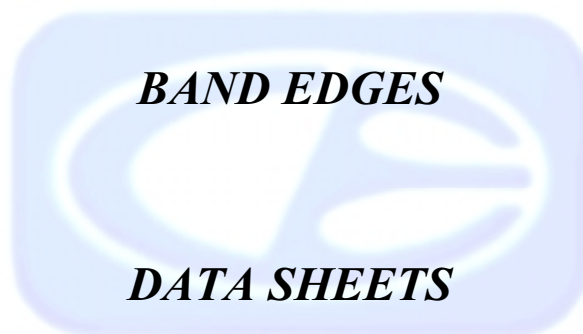


Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-53.27 dBm VBW 300 kHz
14.02805611 GHz SWT 3.8 s Unit dBm



Date: 11.JUL.2008 14:59:29

RF Antenna Conducted Test – High Channel – Data Radio – Port 6 – 10 GHz to 25 GHz



FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Announce Radio (with Patch Antenna) set to be at nearest point to Data Radio
Data Radio with all Patch Antennas (Worst Case) - EUT in X-Axis (Worst Case) - Antenna Port 6**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402.57	100.4	V	--	--	Peak	1	180	Fundamental of Low Channel
2402.57	99.84	V	--	--	Avg	1	180	@ 3 Meters
2390	60.5	V	74	-13.5	Peak	1	180	Band Edge Low Channel
2390	36.54	V	54	-17.46	Avg	1	180	Band Edge Low Channel
2476.09	98.25	V	--	--	Peak	1	180	Fundamental of High Channel
2476.09	97.66	V	--	--	Avg	1	180	@ 3 Meters
2483.5	64.83	V	74	-9.17	Peak	1	180	Band Edge High Channel
2483.5	41.64	V	54	-12.36	Avg	1	180	Band Edge High Channel

FCC 15.247

Gatekeeper Systems, Inc.
Indoor Manager
Model: D-9700

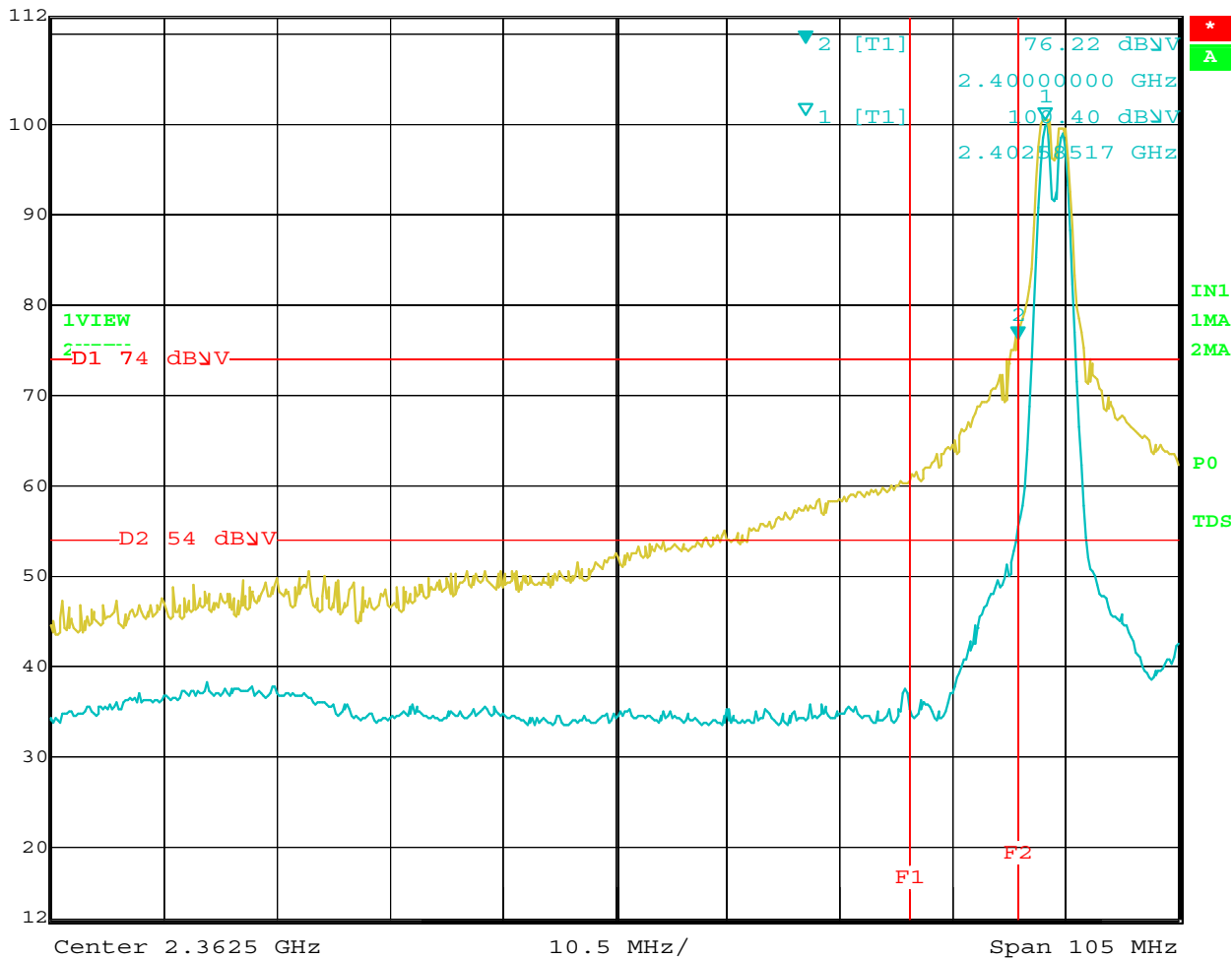
Date: 07/10/08
Lab: B
Tested By: Kyle Fujimoto

**Band Edges - Announce Radio (with Patch Antenna) set to be at nearest point to Data Radio
Data Radio with all Patch Antennas (Worst Case) - EUT in X-Axis (Worst Case) - Antenna Port 6**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402.57	83.51	H	--	--	Peak	1.11	180	Fundamental of Low Channel
2402.57	82.84	H	--	--	Avg	1.11	180	@ 3 Meters
2390	44.47	H	74	-29.53	Peak	1.11	180	Band Edge Low Channel
2390	32.55	H	54	-21.45	Avg	1.11	180	Band Edge Low Channel
2476.09	82.09	H	--	--	Peak	1	180	Fundamental of High Channel
2476.09	81.53	H	--	--	Avg	1	180	@ 3 Meters
2483.5	47.82	H	74	-26.18	Peak	1	180	Band Edge High Channel
2483.5	33.01	H	54	-20.99	Avg	1	180	Band Edge High Channel



Ref Lvl 112 dBV
Marker 2 [T1] 76.22 dBV
2.40000000 GHz
RBW 1 MHz RF Att 20 dB
VBW 10 kHz
SWT 27 ms Unit dBV

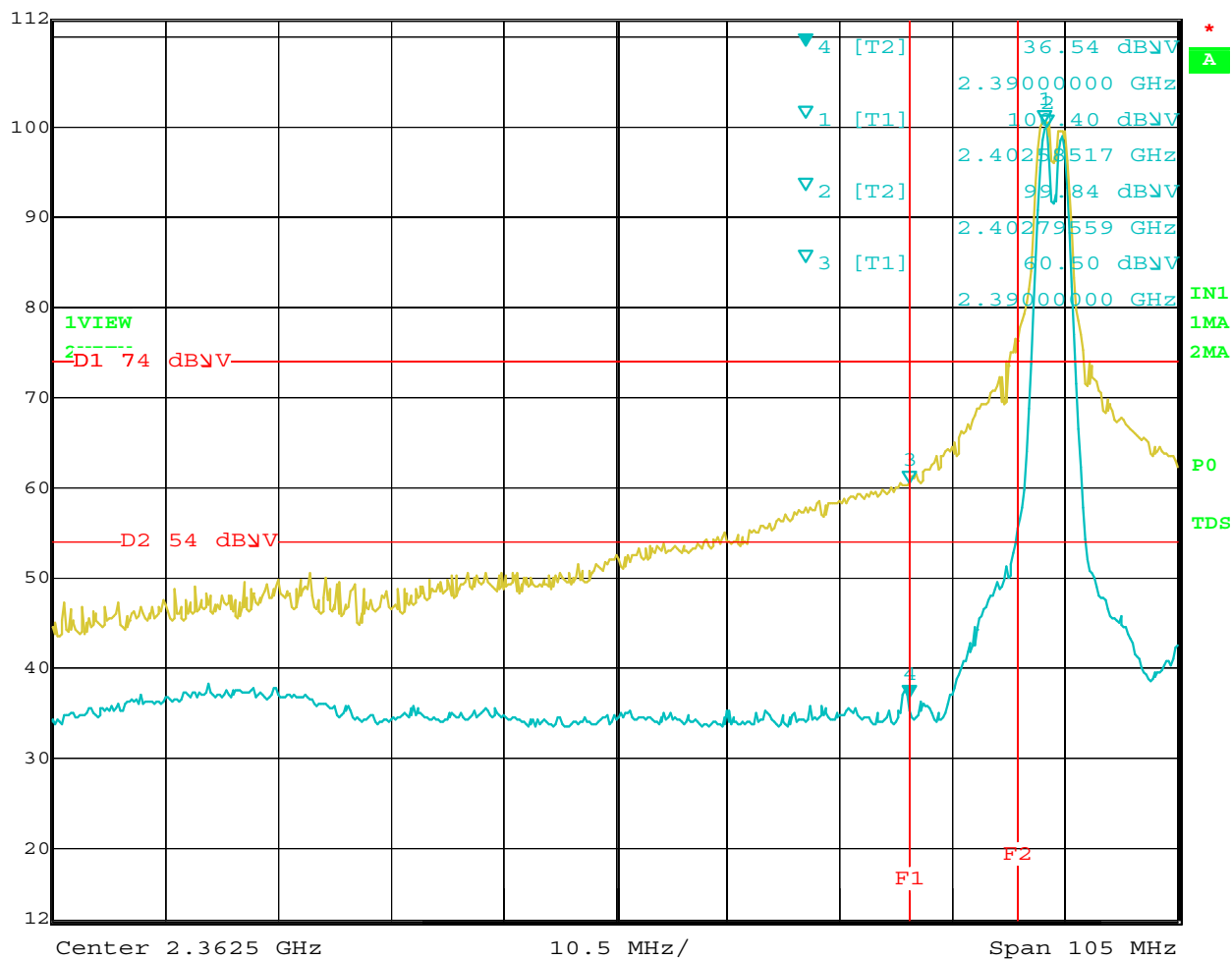


Date: 10.JUL.2008 08:57:32

Band Edge – Low Channel – Data Radio – Vertical Polarization – 2400 MHz Band Edge
Configuration #13 (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 20 dB
Ref Lvl 36.54 dBV VBW 10 kHz
112 dBV 2.39000000 GHz SWT 27 ms Unit dBV

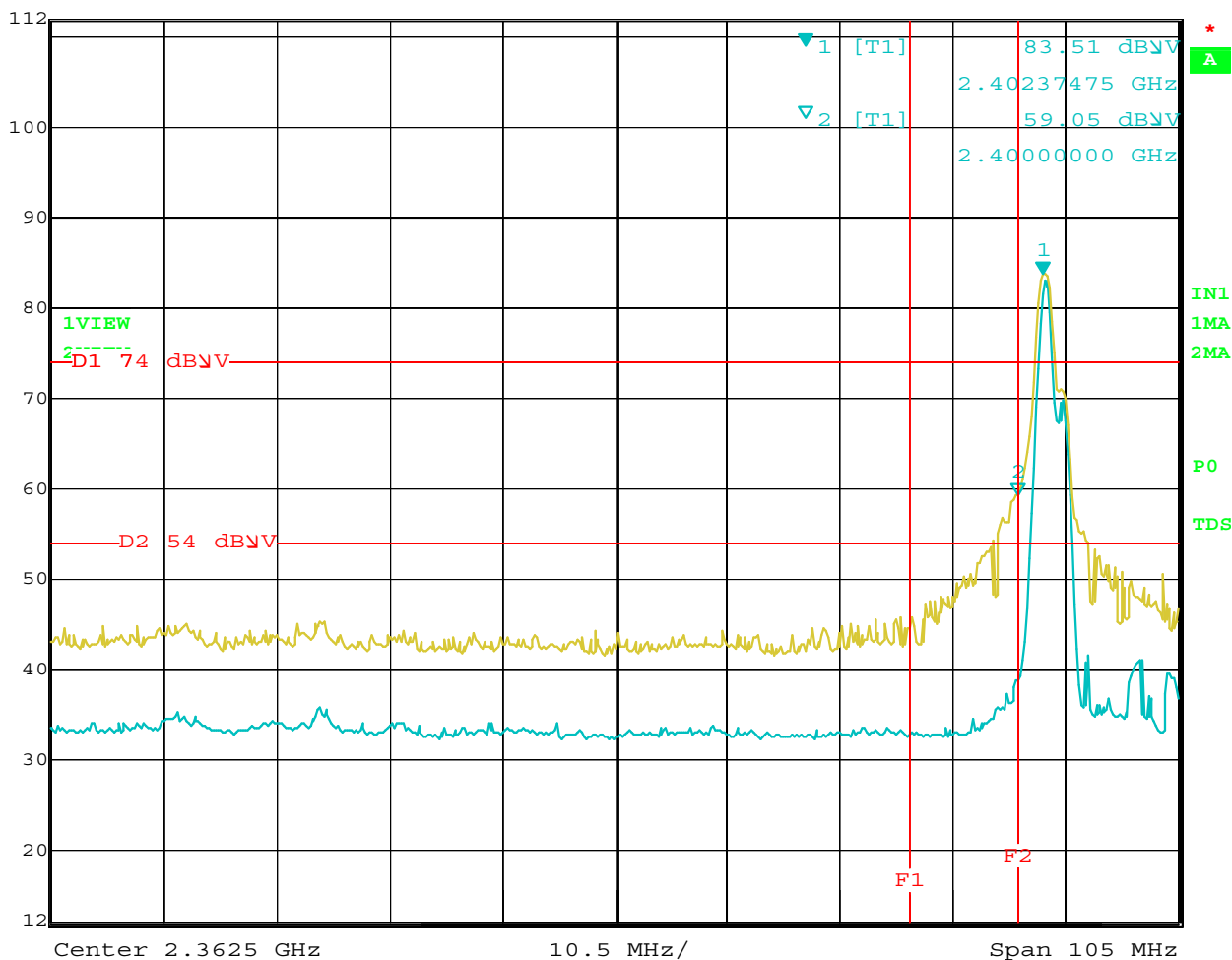


Date: 10.JUL.2008 08:57:07

Band Edge – Low Channel – Data Radio – Vertical Polarization – 2390 MHz Band Edge
Configuration #13 (Worst Case)



Ref Lvl 112 dBμV
Marker 1 [T1] 83.51 dBμV
2.40237475 GHz
RBW 1 MHz
VBW 10 kHz
SWT 27 ms
RF Att 20 dB
Unit dBμV

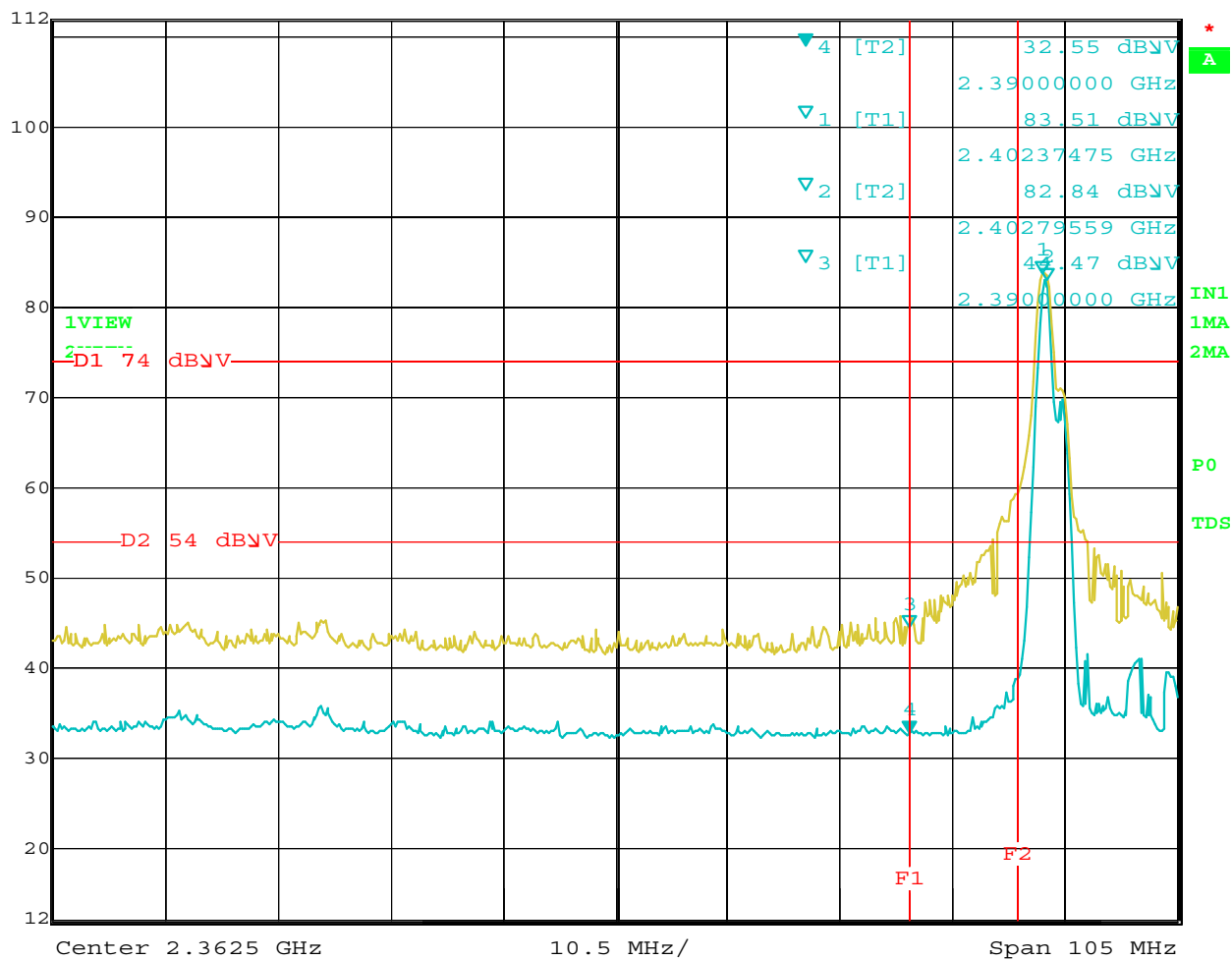


Date: 10.JUL.2008 08:49:58

Band Edge – Low Channel – Data Radio – Horizontal Polarization – 2400 MHz Band Edge
Configuration #13 (Worst Case)



Ref Lvl 112 dBV
Marker 4 [T2] 32.55 dBV
2.39000000 GHz
RBW 1 MHz
VBW 10 kHz
SWT 27 ms
RF Att 20 dB
Unit dBV

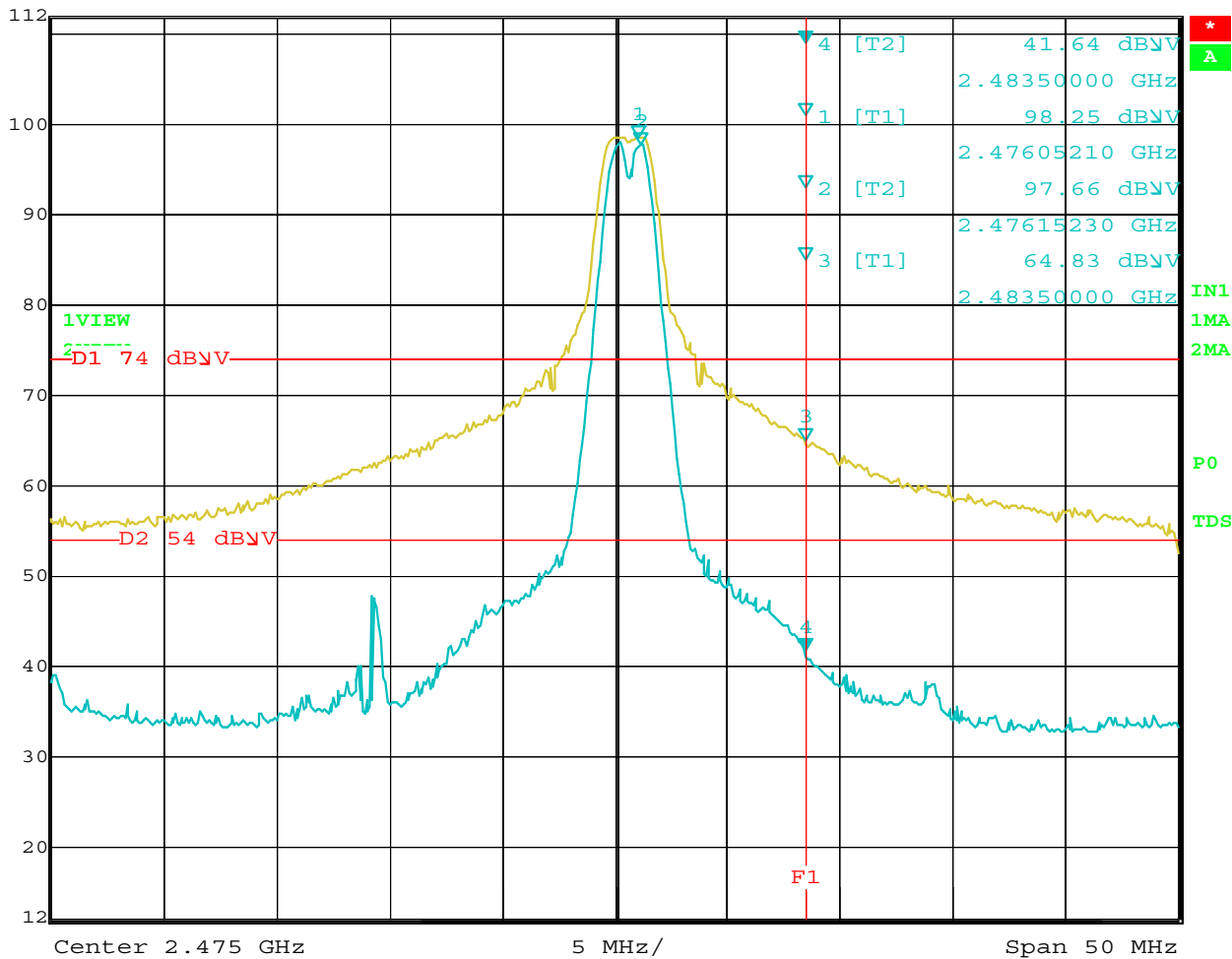


Date: 10.JUL.2008 08:49:29

Band Edge - Low Channel - Data Radio - Horizontal Polarization - 2390 MHz Band Edge
Configuration #13 (Worst Case)



Ref Lvl 112 dBV
Marker 4 [T2] 41.64 dBV
2.48350000 GHz
RBW 1 MHz
RF Att 20 dB
VBW 10 kHz
SWT 12.5 ms
Unit dBV

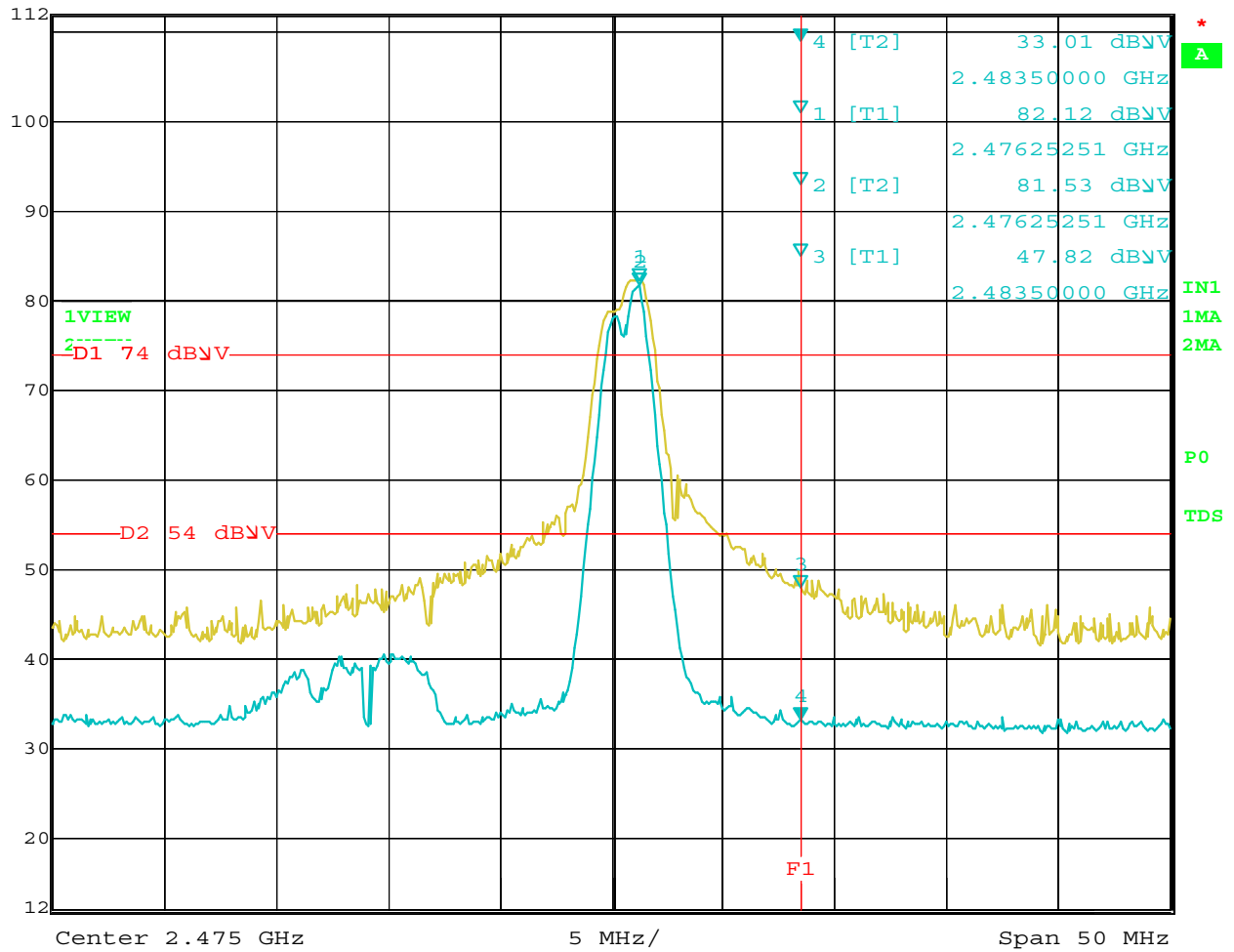


Date: 10.JUL.2008 09:05:39

Band Edge – High Channel – Data Radio – Vertical Polarization
Configuration #13 (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 20 dB
Ref Lvl 33.01 dBμV VBW 10 kHz
112 dBμV 2.48350000 GHz SWT 12.5 ms Unit dBμV



Date: 10.JUL.2008 09:12:51

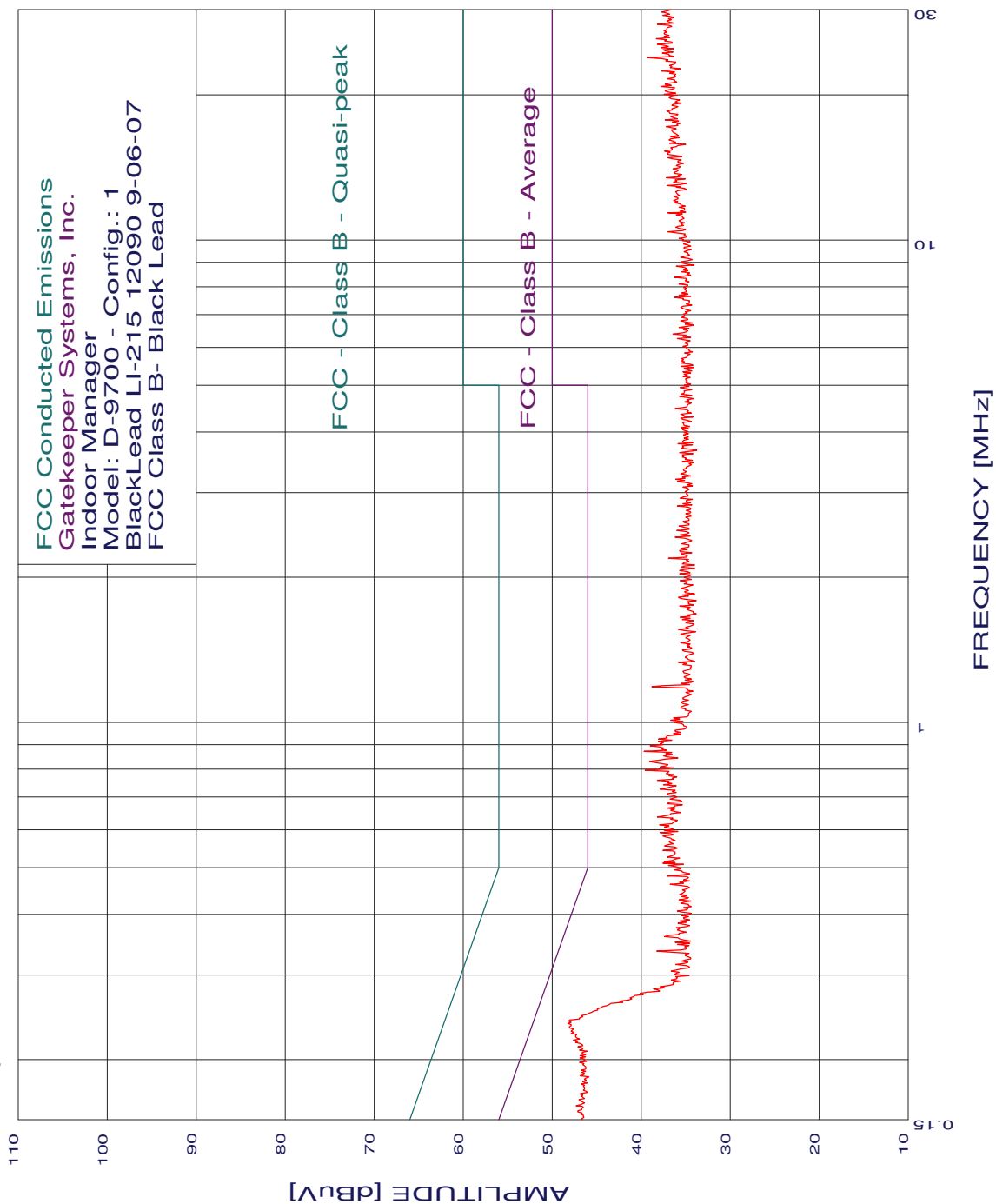
Band Edge – High Channel – Data Radio – Horizontal Polarization
Configuration #13 (Worst Case)

CONDUCTED EMISSIONS

DATA SHEETS

7/15/2008 14:13:56

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**





**COMPATIBLE
ELECTRONICS**

7/15/2008 14:13:56

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 1

FCC Class B - Black Lead

TEST ENGINEER : Kyle Fujimoto

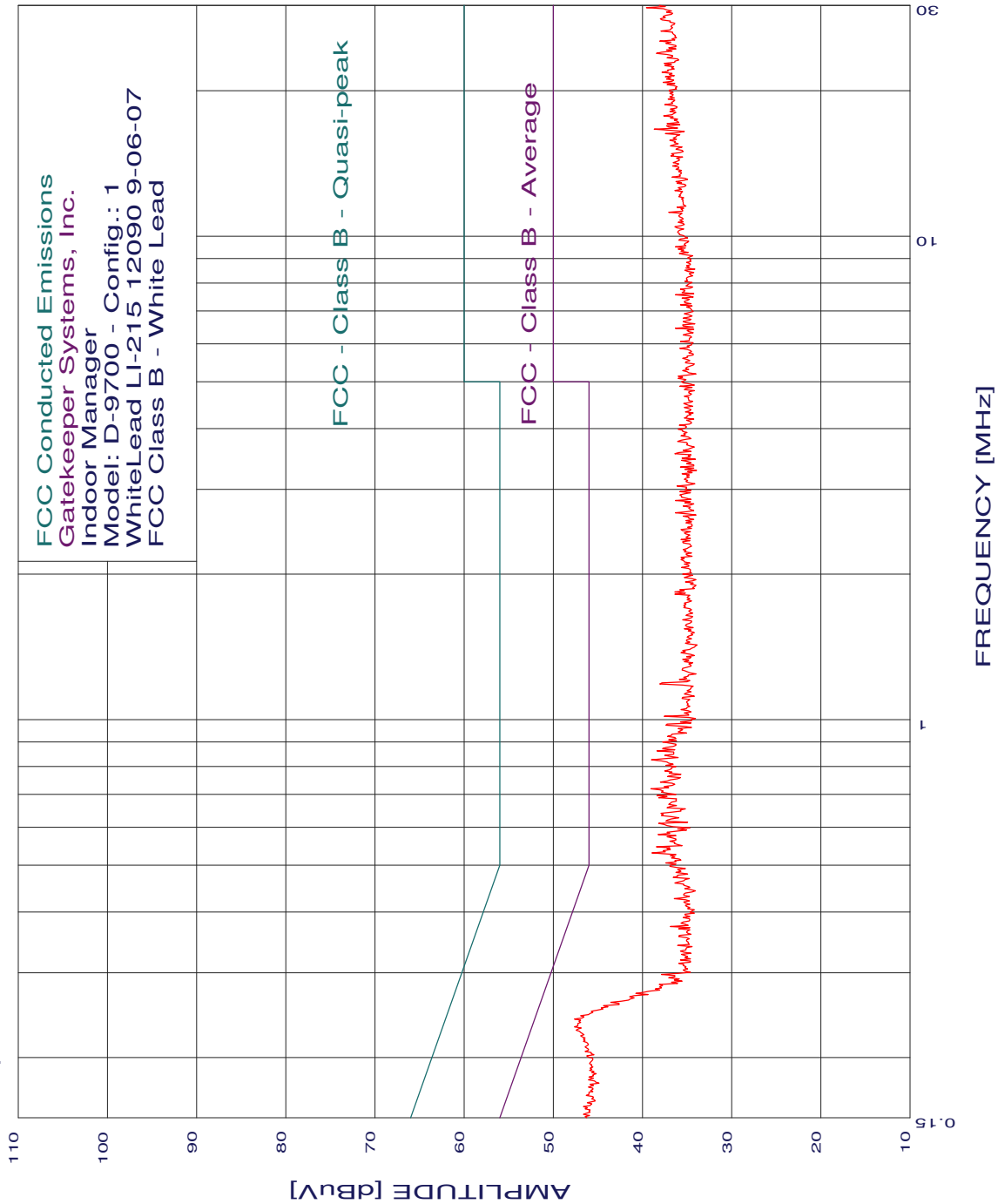
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.238	48.22	52.17	-3.95
2	0.872	39.64	46.00	-6.36
3	0.796	39.54	46.00	-6.46
4	0.831	39.04	46.00	-6.96
5	0.895	38.95	46.00	-7.05
6	1.184	38.75	46.00	-7.25
7	0.759	38.14	46.00	-7.86
8	0.637	38.14	46.00	-7.86
9	0.924	38.05	46.00	-7.95
10	0.614	37.93	46.00	-8.07
11	0.728	37.84	46.00	-8.16
12	0.592	37.83	46.00	-8.17
13	0.583	37.53	46.00	-8.47
14	0.544	37.53	46.00	-8.47
15	0.510	37.53	46.00	-8.47
16	0.516	37.43	46.00	-8.57
17	0.555	37.33	46.00	-8.67
18	0.679	37.04	46.00	-8.96
19	0.665	37.04	46.00	-8.96
20	0.505	36.93	46.00	-9.07
21	2.190	36.88	46.00	-9.12
22	0.481	37.03	46.32	-9.29
23	1.011	36.65	46.00	-9.35
24	2.423	36.19	46.00	-9.81
25	4.480	36.16	46.00	-9.84
26	3.192	36.11	46.00	-9.89
27	0.461	36.73	46.67	-9.94
28	2.501	35.99	46.00	-10.01
29	2.811	35.90	46.00	-10.10
30	3.781	35.84	46.00	-10.16
31	1.820	35.77	46.00	-10.23
32	1.560	35.76	46.00	-10.24
33	1.331	35.76	46.00	-10.24
34	2.554	35.69	46.00	-10.31
35	2.274	35.68	46.00	-10.32
36	2.066	35.67	46.00	-10.33
37	2.034	35.67	46.00	-10.33
38	4.748	35.67	46.00	-10.33
39	1.745	35.66	46.00	-10.34
40	3.624	35.63	46.00	-10.37
41	2.916	35.60	46.00	-10.40
42	4.954	35.58	46.00	-10.42
43	1.971	35.57	46.00	-10.43
44	1.654	35.56	46.00	-10.44
45	1.528	35.56	46.00	-10.44
46	1.464	35.56	46.00	-10.44
47	4.361	35.56	46.00	-10.44
48	4.272	35.55	46.00	-10.45

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**

7/15/2008 14:17:18





**COMPATIBLE
ELECTRONICS**

7/15/2008 14:17:18

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 1

FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

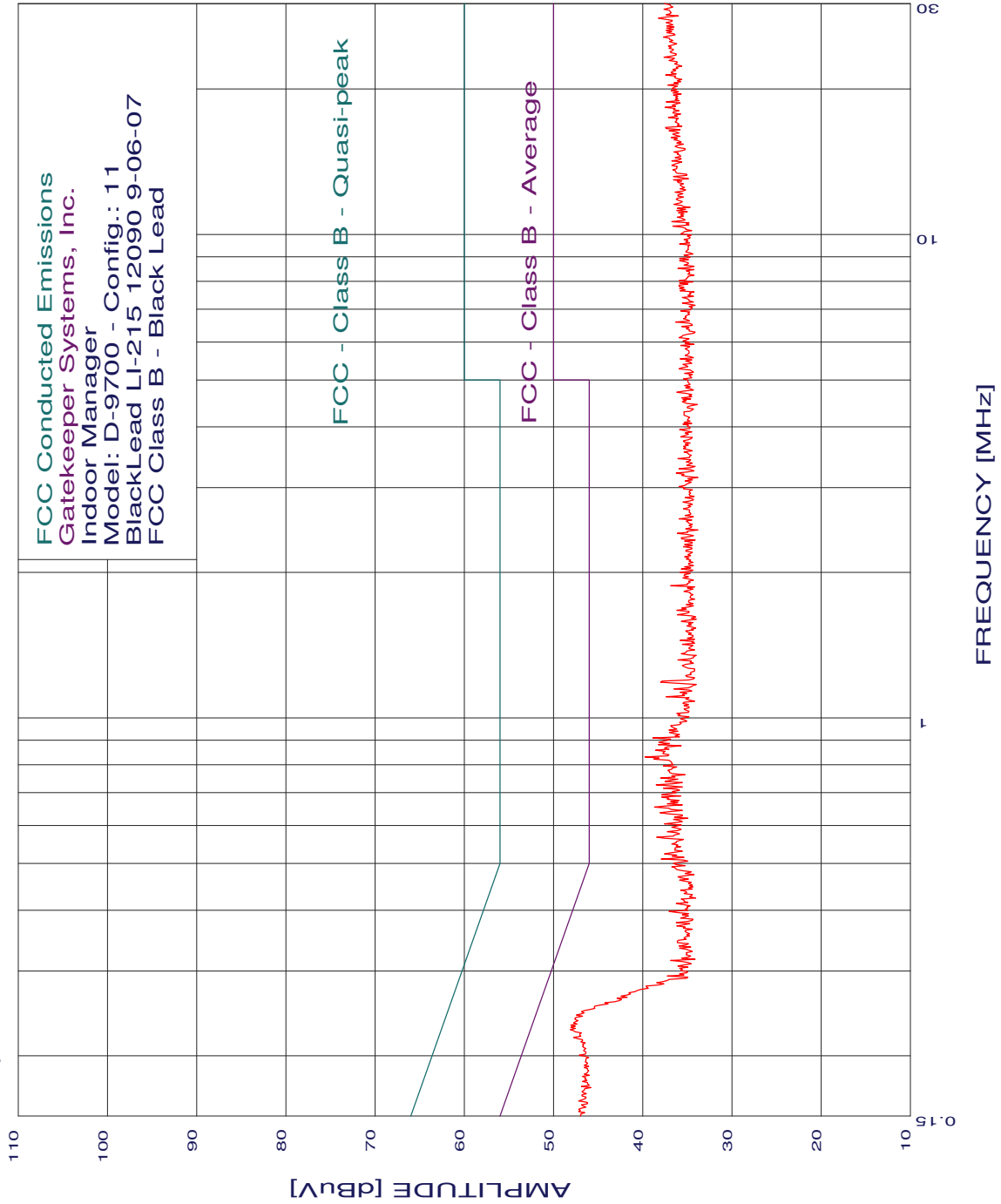
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.240	47.62	52.08	-4.46
2	0.720	39.04	46.00	-6.96
3	0.826	38.94	46.00	-7.06
4	0.530	38.93	46.00	-7.07
5	0.547	38.43	46.00	-7.57
6	0.862	38.34	46.00	-7.66
7	0.698	38.34	46.00	-7.66
8	0.580	38.23	46.00	-7.77
9	0.611	38.13	46.00	-7.87
10	1.184	38.05	46.00	-7.95
11	0.743	37.94	46.00	-8.06
12	0.641	37.94	46.00	-8.06
13	0.899	37.75	46.00	-8.25
14	0.872	37.74	46.00	-8.26
15	1.016	37.55	46.00	-8.45
16	0.783	37.44	46.00	-8.56
17	0.974	37.35	46.00	-8.65
18	0.618	37.33	46.00	-8.67
19	0.505	37.33	46.00	-8.67
20	0.658	37.24	46.00	-8.76
21	0.924	37.15	46.00	-8.85
22	0.763	37.14	46.00	-8.86
23	1.840	36.37	46.00	-9.63
24	1.820	36.37	46.00	-9.63
25	3.547	36.33	46.00	-9.67
26	2.840	36.30	46.00	-9.70
27	2.679	36.29	46.00	-9.71
28	3.043	36.11	46.00	-9.89
29	0.471	36.53	46.49	-9.96
30	3.761	36.03	46.00	-9.97
31	0.595	36.03	46.00	-9.97
32	0.484	36.23	46.27	-10.05
33	3.987	35.94	46.00	-10.06
34	1.210	35.85	46.00	-10.15
35	2.963	35.81	46.00	-10.19
36	2.916	35.80	46.00	-10.20
37	4.902	35.78	46.00	-10.22
38	0.990	35.75	46.00	-10.25
39	3.328	35.72	46.00	-10.28
40	2.475	35.69	46.00	-10.31
41	2.358	35.68	46.00	-10.32
42	2.168	35.68	46.00	-10.32
43	1.374	35.66	46.00	-10.34
44	0.272	40.72	51.07	-10.34
45	1.049	35.65	46.00	-10.35
46	3.438	35.62	46.00	-10.38
47	0.459	36.33	46.71	-10.38
48	1.269	35.56	46.00	-10.44

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**

7/15/2008 14:09:39





**COMPATIBLE
ELECTRONICS**

7/15/2008 14:09:39

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 11

FCC Class B - Black Lead

TEST ENGINEER : Kyle Fujimoto

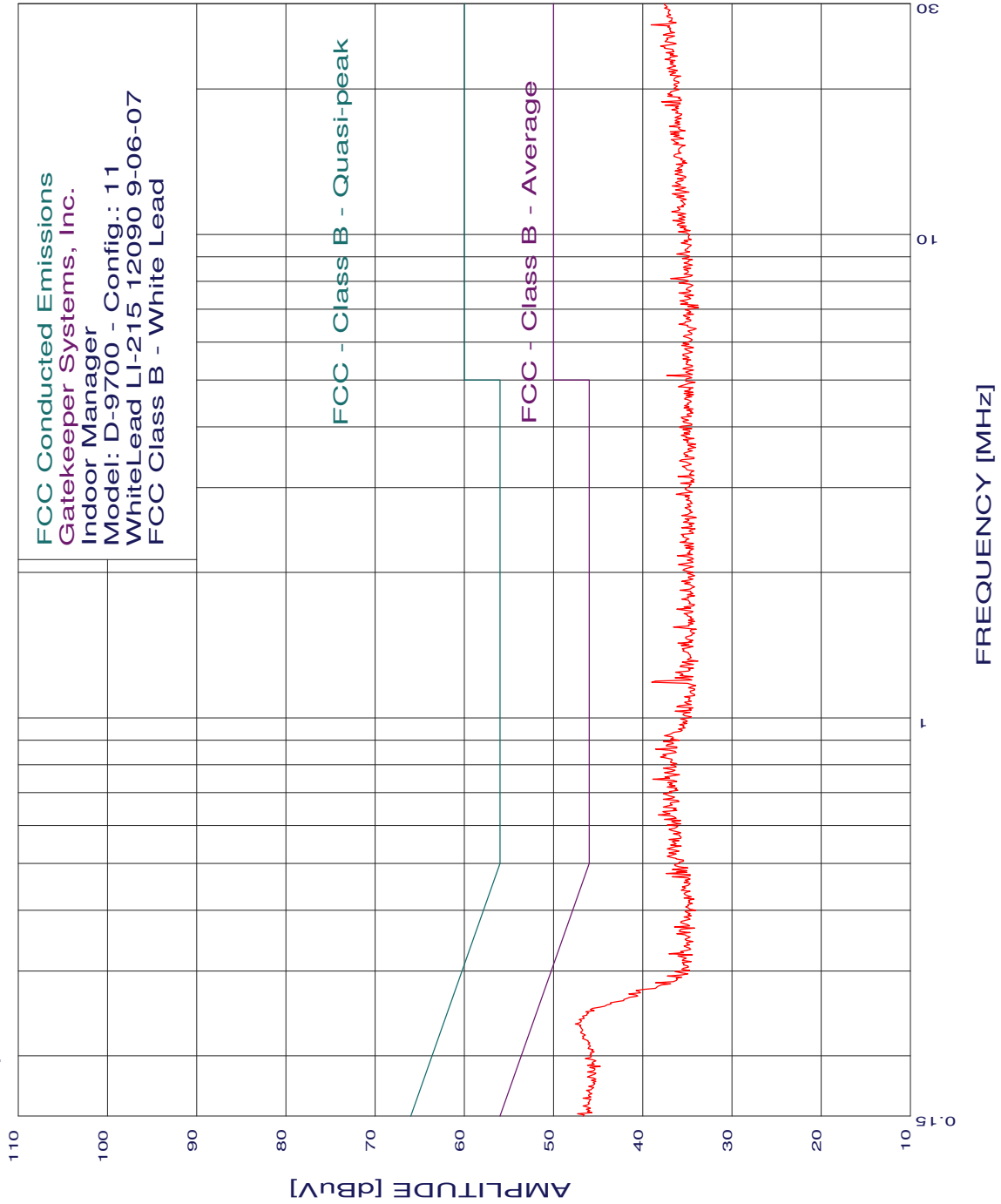
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.227	48.12	52.57	-4.45
2	0.831	39.74	46.00	-6.26
3	0.909	38.85	46.00	-7.15
4	0.655	38.64	46.00	-7.36
5	0.858	38.54	46.00	-7.46
6	0.728	38.44	46.00	-7.56
7	0.567	38.43	46.00	-7.57
8	0.881	38.25	46.00	-7.75
9	0.890	38.15	46.00	-7.85
10	0.637	38.04	46.00	-7.96
11	1.184	37.95	46.00	-8.05
12	0.751	37.94	46.00	-8.06
13	0.510	37.93	46.00	-8.07
14	0.694	37.84	46.00	-8.16
15	0.686	37.84	46.00	-8.16
16	0.796	37.64	46.00	-8.36
17	0.716	37.64	46.00	-8.36
18	0.605	37.53	46.00	-8.47
19	0.524	37.53	46.00	-8.47
20	0.739	37.44	46.00	-8.56
21	1.106	37.35	46.00	-8.65
22	0.665	37.24	46.00	-8.76
23	0.583	37.23	46.00	-8.77
24	0.944	37.05	46.00	-8.95
25	1.879	36.87	46.00	-9.13
26	0.595	36.73	46.00	-9.27
27	0.550	36.73	46.00	-9.27
28	0.492	36.73	46.14	-9.41
29	0.618	36.53	46.00	-9.47
30	0.500	36.53	46.01	-9.48
31	1.148	36.45	46.00	-9.55
32	3.209	36.21	46.00	-9.79
33	4.722	36.17	46.00	-9.83
34	1.671	36.16	46.00	-9.84
35	1.021	36.15	46.00	-9.85
36	2.410	36.09	46.00	-9.91
37	1.637	36.06	46.00	-9.94
38	1.318	36.06	46.00	-9.94
39	3.438	36.02	46.00	-9.98
40	3.277	35.92	46.00	-10.08
41	3.011	35.91	46.00	-10.09
42	2.582	35.89	46.00	-10.11
43	3.945	35.84	46.00	-10.16
44	2.002	35.77	46.00	-10.23
45	1.449	35.76	46.00	-10.24
46	3.820	35.74	46.00	-10.26
47	2.358	35.68	46.00	-10.32
48	2.034	35.67	46.00	-10.33

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**

7/15/2008 14:05:42





**COMPATIBLE
ELECTRONICS**

7/15/2008 14:05:42

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 11

FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

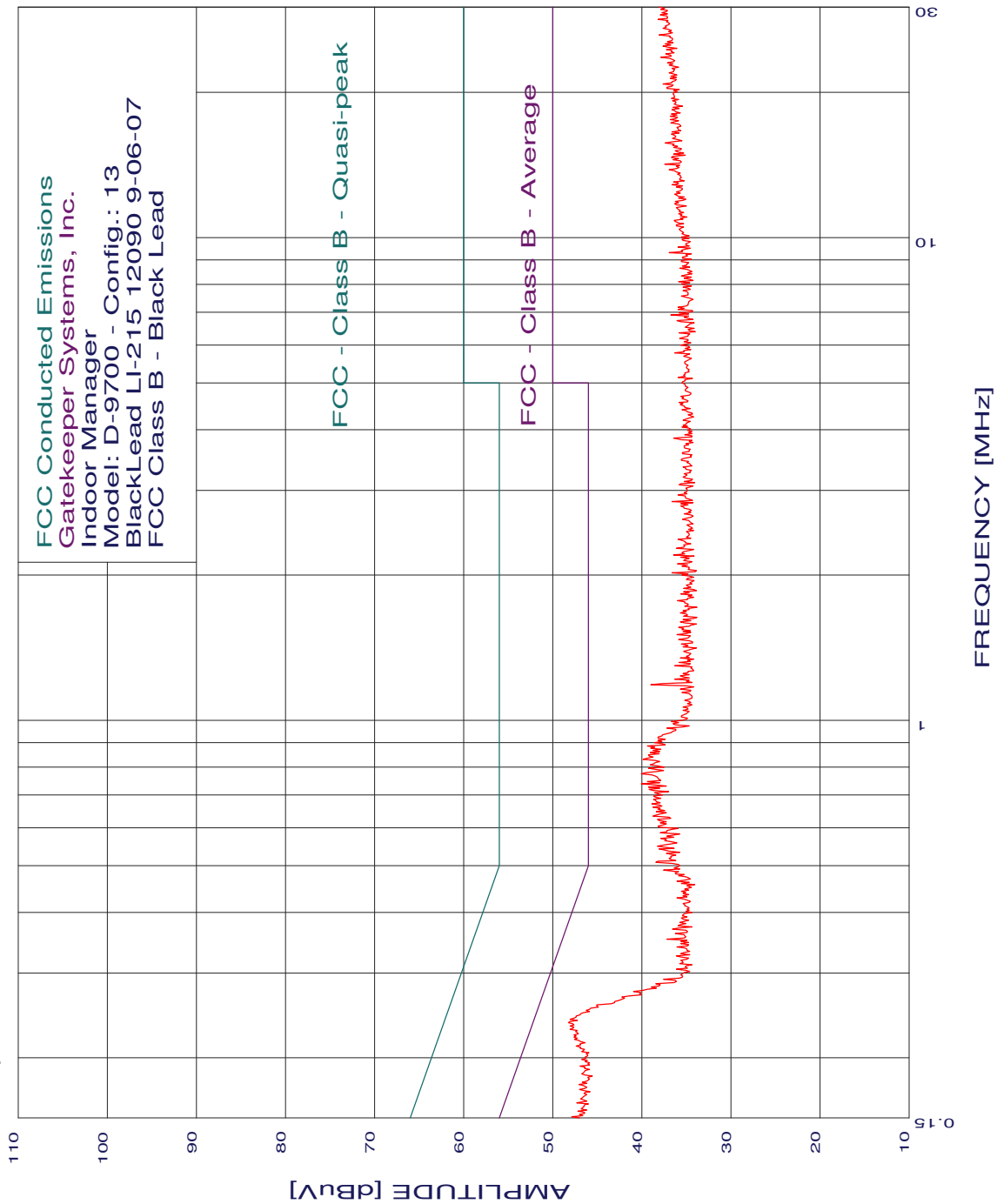
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.233	47.52	52.34	-4.82
2	1.184	38.95	46.00	-7.05
3	0.747	38.84	46.00	-7.16
4	0.198	46.42	53.71	-7.29
5	0.862	38.54	46.00	-7.46
6	0.631	38.24	46.00	-7.76
7	0.831	37.94	46.00	-8.06
8	0.895	37.65	46.00	-8.35
9	0.788	37.64	46.00	-8.36
10	0.698	37.64	46.00	-8.36
11	0.679	37.64	46.00	-8.36
12	0.655	37.64	46.00	-8.36
13	0.919	37.55	46.00	-8.45
14	0.771	37.54	46.00	-8.46
15	0.618	37.53	46.00	-8.47
16	0.720	37.24	46.00	-8.76
17	0.601	37.23	46.00	-8.77
18	0.535	37.23	46.00	-8.77
19	0.518	37.23	46.00	-8.77
20	0.561	37.03	46.00	-8.97
21	0.476	37.33	46.40	-9.07
22	1.544	36.56	46.00	-9.44
23	0.486	36.63	46.23	-9.60
24	0.269	41.52	51.15	-9.63
25	1.210	36.35	46.00	-9.65
26	1.032	36.35	46.00	-9.65
27	1.243	36.25	46.00	-9.75
28	2.900	36.20	46.00	-9.80
29	1.680	36.16	46.00	-9.84
30	1.055	36.15	46.00	-9.85
31	0.469	36.63	46.53	-9.90
32	2.168	36.08	46.00	-9.92
33	1.426	36.06	46.00	-9.94
34	3.158	36.01	46.00	-9.99
35	4.851	35.97	46.00	-10.03
36	2.077	35.97	46.00	-10.03
37	3.987	35.84	46.00	-10.16
38	3.401	35.82	46.00	-10.18
39	0.481	36.13	46.32	-10.19
40	2.310	35.78	46.00	-10.22
41	1.840	35.77	46.00	-10.23
42	1.276	35.76	46.00	-10.24
43	3.059	35.71	46.00	-10.29
44	4.182	35.65	46.00	-10.35
45	3.841	35.64	46.00	-10.36
46	2.624	35.59	46.00	-10.41
47	2.475	35.59	46.00	-10.41
48	1.918	35.57	46.00	-10.43

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**

7/15/2008 13:55:13





**COMPATIBLE
ELECTRONICS**

7/15/2008 13:55:13

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 13

FCC Class B - Black Lead

TEST ENGINEER : Kyle Fujimoto

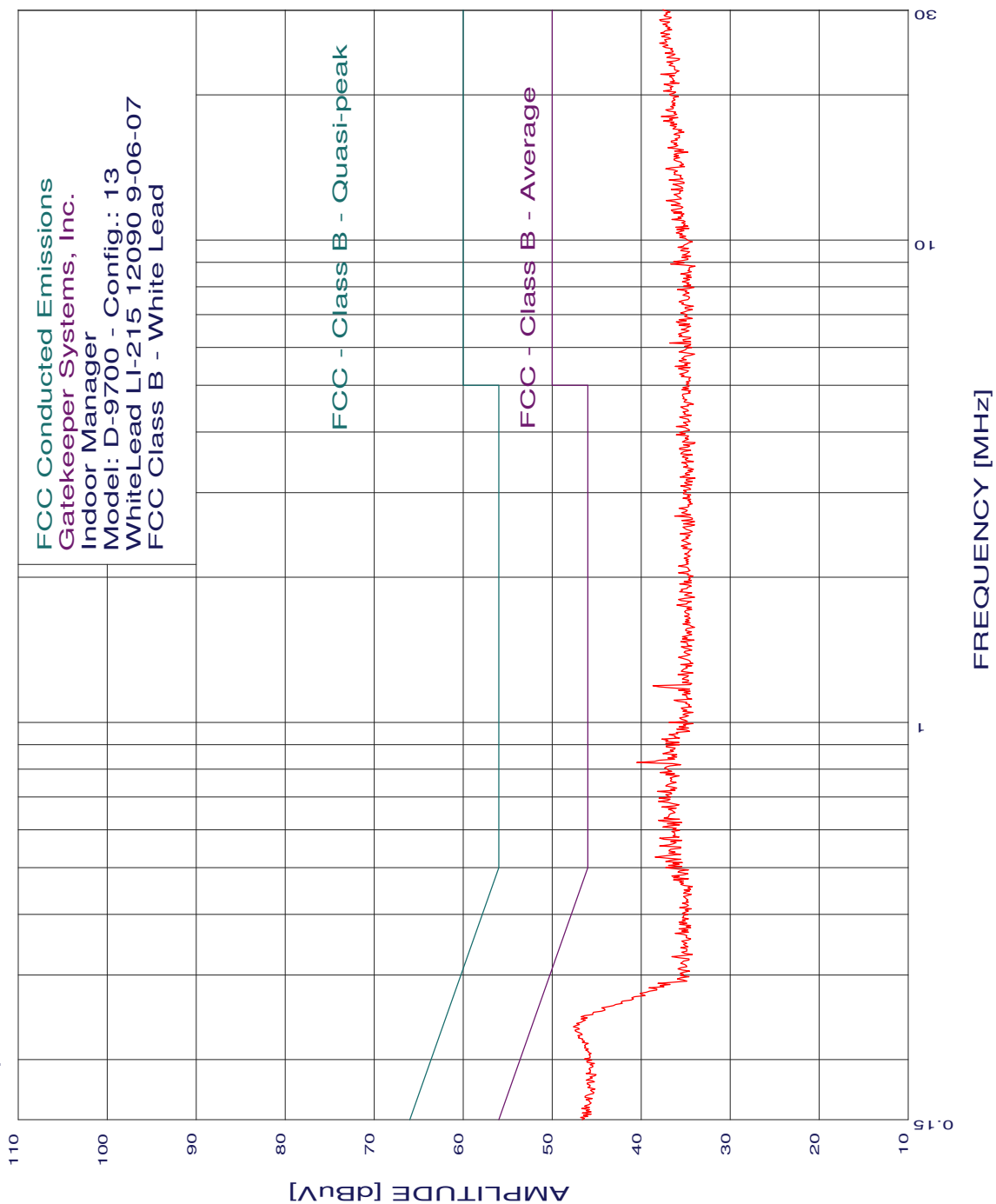
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.237	48.22	52.21	-3.99
2	0.775	40.04	46.00	-5.96
3	0.739	40.04	46.00	-5.96
4	0.831	39.84	46.00	-6.16
5	0.885	39.35	46.00	-6.65
6	0.747	39.34	46.00	-6.66
7	0.796	39.24	46.00	-6.76
8	0.728	39.24	46.00	-6.76
9	0.720	39.14	46.00	-6.86
10	0.858	39.04	46.00	-6.96
11	0.809	39.04	46.00	-6.96
12	0.193	46.93	53.93	-7.00
13	1.184	38.95	46.00	-7.05
14	0.672	38.84	46.00	-7.16
15	0.634	38.74	46.00	-7.26
16	0.899	38.55	46.00	-7.45
17	0.508	38.43	46.00	-7.57
18	0.176	47.05	54.68	-7.63
19	0.624	38.23	46.00	-7.77
20	0.550	38.23	46.00	-7.77
21	0.541	38.03	46.00	-7.97
22	0.586	37.93	46.00	-8.07
23	0.162	47.27	55.38	-8.12
24	0.570	37.83	46.00	-8.17
25	0.489	37.53	46.18	-8.65
26	0.530	37.23	46.00	-8.77
27	0.963	37.15	46.00	-8.85
28	0.995	36.65	46.00	-9.35
29	2.840	36.60	46.00	-9.40
30	2.023	36.57	46.00	-9.43
31	3.841	36.44	46.00	-9.56
32	2.201	36.38	46.00	-9.62
33	1.297	36.26	46.00	-9.74
34	1.217	36.25	46.00	-9.75
35	2.274	36.08	46.00	-9.92
36	1.504	36.06	46.00	-9.94
37	2.111	35.97	46.00	-10.03
38	1.772	35.97	46.00	-10.03
39	2.932	35.90	46.00	-10.10
40	2.371	35.88	46.00	-10.12
41	1.560	35.86	46.00	-10.14
42	1.472	35.86	46.00	-10.14
43	3.075	35.81	46.00	-10.19
44	4.552	35.76	46.00	-10.24
45	1.318	35.76	46.00	-10.24
46	1.671	35.66	46.00	-10.34
47	1.603	35.66	46.00	-10.34
48	1.345	35.66	46.00	-10.34

EMISSION LEVEL [dBuV] PEAK
Graph for **Peak**

7/15/2008 14:00:30





**COMPATIBLE
ELECTRONICS**

7/15/2008 14:00:30

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700 - Config.: 13

FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

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

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.234	47.62	52.30	-4.68
2	0.826	40.44	46.00	-5.56
3	1.191	38.65	46.00	-7.35
4	0.527	38.43	46.00	-7.57
5	0.720	38.14	46.00	-7.86
6	0.686	38.04	46.00	-7.96
7	0.627	38.04	46.00	-7.96
8	0.698	37.94	46.00	-8.06
9	0.577	37.93	46.00	-8.07
10	0.555	37.93	46.00	-8.07
11	0.788	37.84	46.00	-8.16
12	0.924	37.65	46.00	-8.35
13	0.669	37.64	46.00	-8.36
14	0.862	37.54	46.00	-8.46
15	0.608	37.53	46.00	-8.47
16	0.634	37.44	46.00	-8.56
17	0.904	37.25	46.00	-8.75
18	0.739	37.24	46.00	-8.76
19	0.516	37.23	46.00	-8.77
20	0.500	37.23	46.01	-8.78
21	0.895	37.15	46.00	-8.85
22	0.158	46.67	55.56	-8.89
23	0.618	37.03	46.00	-8.97
24	0.505	36.93	46.00	-9.07
25	1.000	36.85	46.00	-9.15
26	0.944	36.85	46.00	-9.15
27	0.544	36.83	46.00	-9.17
28	1.112	36.25	46.00	-9.75
29	0.481	36.53	46.32	-9.79
30	2.679	36.19	46.00	-9.81
31	4.114	36.05	46.00	-9.95
32	3.945	36.04	46.00	-9.96
33	1.754	35.97	46.00	-10.03
34	0.969	35.95	46.00	-10.05
35	1.256	35.86	46.00	-10.14
36	0.471	36.33	46.49	-10.16
37	2.111	35.77	46.00	-10.23
38	2.044	35.77	46.00	-10.23
39	1.800	35.77	46.00	-10.23
40	1.367	35.76	46.00	-10.24
41	1.166	35.75	46.00	-10.25
42	0.979	35.75	46.00	-10.25
43	2.781	35.70	46.00	-10.30
44	1.939	35.67	46.00	-10.33
45	1.869	35.67	46.00	-10.33
46	4.294	35.65	46.00	-10.35
47	0.489	35.83	46.18	-10.35
48	3.702	35.63	46.00	-10.37
