

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**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	53.74	V	74	-20.26	Peak	1.63	270	
4805.14	48.99	V	54	-5.01	Avg	1.63	270	Video Averaging Only
4805.14	41.61	V	54	-12.39	Avg	1.63	270	Video Averaging + Duty Cycle
7207.71	49.41	V	74	-24.59	Peak	1.63	225	
7207.71	37.05	V	54	-16.95	Avg	1.63	225	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**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	55.99	H	74	-18.01	Peak	2	135	
4805.14	50.78	H	54	-3.22	Avg	2	135	Video Averaging Only
4805.14	43.4	H	54	-10.6	Avg	2	135	Video Averaging + Duty Cycle
7207.71	46.63	H	74	-27.37	Peak	1.73	225	
7207.71	36.61	H	54	-17.39	Avg	1.73	225	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

Tested By: Kyle Fujimoto

Announce Radio -- # 1 -- Dipole Antenna

[illegible]

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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**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	57.07	H	74	-16.93	Peak	2.89	135	
4878.66	53.82	H	54	-0.18	Avg	2.89	135	Video Averaging Only
4878.66	46.44	H	54	-7.56	Avg	2.89	135	Video Averaging + Duty Cycle
7317.99	49.14	H	74	-24.86	Peak	2.92	135	
7317.99	38.42	H	54	-15.58	Avg	2.92	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

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	53.59	V	74	-20.41	Peak	1.26	45	
4952.18	48.04	V	54	-5.96	Avg	1.26	45	Video Averaging Only
4952.18	40.66	V	54	-13.34	Avg	1.26	45	Video Averaging + Duty Cycle
7428.27	48.43	V	74	-25.57	Peak	1.27	135	
7428.27	38.35	V	54	-15.65	Avg	1.27	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
2284.81								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
Announce Radio -- # 1 -- Dipole Antenna

[illegible]

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**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804.41	58.45	V	74	-15.55	Peak	1.26	225	
4804.41	55.23	V	54	1.23	Avg	1.26	225	Video Averaging Only
4804.41	47.85	V	54	-6.15	Avg	1.26	225	Video Averaging + Duty Cycle
7206.31	48.32	V	74	-25.68	Peak	1.45	180	
7206.31	36.49	V	54	-17.51	Avg	1.45	180	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								Detected

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - X-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804.41	56.33	H	74	-17.67	Peak	1.82	135	
4804.41	53.03	H	54	-0.97	Avg	1.82	135	Video Averaging Only
4804.41	45.65	H	54	-8.35	Avg	1.82	135	Video Averaging + Duty Cycle
7206.31	47.07	H	74	-26.93	Peak	1.41	135	
7206.31	36.03	H	54	-17.97	Avg	1.41	135	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								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**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	58.34	V	74	-15.66	Peak	1.9	225	
4878.66	55.45	V	54	1.45	Avg	1.9	225	Video Averaging Only
4878.66	48.07	V	54	-5.93	Avg	1.9	225	Video Averaging + Duty Cycle
7317.99	48.44	V	74	-25.56	Peak	1.65	150	
7317.99	38.29	V	54	-15.71	Avg	1.65	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

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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**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	57.56	H	74	-16.44	Peak	1.61	45	
4878.66	54.73	H	54	0.73	Avg	1.61	45	Video Averaging Only
4878.66	47.35	H	54	-6.65	Avg	1.61	45	Video Averaging + Duty Cycle
7317.99	48.73	H	74	-25.27	Peak	1.62	125	
7317.99	37.71	H	54	-16.29	Avg	1.62	125	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	54.76	V	74	-19.24	Peak	1.31	135	
4952.18	51.22	V	54	-2.78	Avg	1.31	135	Video Averaging Only
4952.18	43.84	V	54	-10.16	Avg	1.31	135	Video Averaging + Duty Cycle
7428.27	48.93	V	74	-25.07	Peak	1.32	225	
7428.27	37.86	V	54	-16.14	Avg	1.32	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
2284.81								Detected
24760.9								No Emission
24760.9								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**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	58.08	H	74	-15.92	Peak	2.11	180	
4952.18	54.75	H	54	0.75	Avg	2.11	180	Video Averaging Only
4952.18	47.37	H	54	-6.63	Avg	2.11	180	Video Averaging + Duty Cycle
7428.27	48.61	H	74	-25.39	Peak	1.81	125	
7428.27	37.58	H	54	-16.42	Avg	1.81	125	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

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

Date: 07/09/08
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Low Channel - X-Axis

[illegible]

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**Announce Radio -- #1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	59.01	H	74	-14.99	Peak	1.98	225	
4805.14	55.79	H	54	1.79	Avg	1.98	225	Video Averaging Only
4805.14	48.41	H	54	-5.59	Avg	1.98	225	Video Averaging + Duty Cycle
7207.71	49.29	H	74	-24.71	Peak	1.98	90	
7207.71	36.87	H	54	-17.13	Avg	1.98	90	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

Middle Channel - X-Axis**Announce Radio -- #1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	58.67	V	74	-15.33	Peak	1.42	135	
4878.66	55.88	V	54	1.88	Avg	1.42	135	Video Averaging Only
4878.66	48.5	V	54	-5.5	Avg	1.42	135	Video Averaging + Duty Cycle
7317.99	51.48	V	74	-22.52	Peak	1.91	180	
7317.99	42.93	V	54	-11.07	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

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - X-Axis**Announce Radio -- #1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	59.14	H	74	-14.86	Peak	2.28	225	
4878.66	56.49	H	54	2.49	Avg	2.28	225	Video Averaging Only
4878.66	49.11	H	54	-4.89	Avg	2.28	225	Video Averaging + Duty Cycle
7317.99	48.59	H	74	-25.41	Peak	2.29	45	
7317.99	37.08	H	54	-16.92	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - X-Axis**Announce Radio -- #1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	59.14	V	74	-14.86	Peak	1.51	225	
4952.18	55.19	V	54	1.19	Avg	1.51	225	Video Averaging Only
4952.18	47.81	V	54	-6.19	Avg	1.51	225	Video Averaging + Duty Cycle
7428.27	51.92	V	74	-22.08	Peak	1.82	225	
7428.27	43.27	V	54	-10.73	Avg	1.82	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
2284.81								Detected
24760.9								No Emission
24760.9								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**Announce Radio -- #1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	59.26	H	74	-14.74	Peak	2.09	135	
4952.18	56.1	H	54	2.1	Avg	2.09	135	Video Averaging Only
4952.18	48.72	H	54	-5.28	Avg	2.09	135	Video Averaging + Duty Cycle
7428.27	47.96	H	74	-26.04	Peak	2.09	180	
7428.27	35.93	H	54	-18.07	Avg	2.09	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

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

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

Low Channel - X-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 - X-Axis**Announce Radio -- # 2 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	55.51	H	74	-18.49	Peak	2.34	225	
4805.14	52.57	H	54	-1.43	Avg	2.34	225	Video Averaging Only
4805.14	45.19	H	54	-8.81	Avg	2.34	225	Video Averaging + Duty Cycle
7207.71	47.21	H	74	-26.79	Peak	2.05	0	
7207.71	39.51	H	54	-14.49	Avg	2.05	0	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

Middle Channel - X-Axis**Announce Radio -- # 2 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	58.19	V	74	-15.81	Peak	3.04	180	
4878.66	55.61	V	54	1.61	Avg	3.04	180	Video Averaging Only
4878.66	48.23	V	54	-5.77	Avg	3.04	180	Video Averaging + Duty Cycle
7317.99	53.02	V	74	-20.98	Peak	2.02	135	
7317.99	40.91	V	54	-13.09	Avg	2.02	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

Middle Channel - X-Axis**Announce Radio -- # 2 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	55.72	H	74	-18.28	Peak	2.03	135	
4878.66	51.12	H	54	-2.88	Avg	2.03	135	Video Averaging Only
4878.66	43.74	H	54	-10.26	Avg	2.03	135	Video Averaging + Duty Cycle
7317.99	50.26	H	74	-23.74	Peak	2.17	180	
7317.99	39.22	H	54	-14.78	Avg	2.17	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

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**Announce Radio -- # 2 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	57.53	V	74	-16.47	Peak	1.58	135	
4952.18	53.16	V	54	-0.84	Avg	1.58	135	Video Averaging Only
4952.18	45.78	V	54	-8.22	Avg	1.58	135	Video Averaging + Duty Cycle
7428.27	50.29	V	74	-23.71	Peak	2.84	225	
7428.27	40.46	V	54	-13.54	Avg	2.84	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

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**Announce Radio -- # 2 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	56.03	H	74	-17.97	Peak	1.98	180	
4952.18	51.33	H	54	-2.67	Avg	1.98	180	Video Averaging Only
4952.18	43.95	H	54	-10.05	Avg	1.98	180	Video Averaging + Duty Cycle
7428.27	50.89	H	74	-23.11	Peak	2.69	180	
7428.27	39.24	H	54	-14.76	Avg	2.69	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
22285								Detected
24760.9								No Emission
24760.9								Detected

FCC 15.247

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	54.48	V	74	-19.52	Peak	1	135	
4805.14	49.79	V	54	-4.21	Avg	1	135	Video Averaging Only
4805.14	42.41	V	54	-11.59	Avg	1	135	Video Averaging + Duty Cycle
7207.71	47.08	V	74	-26.92	Peak	2.11	225	
7207.71	37.11	V	54	-16.89	Avg	2.11	225	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 - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	55.12	H	74	-18.88	Peak	2.11	135	
4805.14	50.57	H	54	-3.43	Avg	2.11	135	Video Averaging Only
4805.14	43.19	H	54	-10.81	Avg	2.11	135	Video Averaging + Duty Cycle
7207.71	47.25	H	74	-26.75	Peak	2.12	135	
7207.71	36.76	H	54	-17.24	Avg	2.12	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	55.84	V	74	-18.16	Peak	2.11	225	
4878.66	51.65	V	54	-2.35	Avg	2.11	225	Video Averaging Only
4878.66	44.27	V	54	-9.73	Avg	2.11	225	Video Averaging + Duty Cycle
7317.99	48.18	V	74	-25.82	Peak	2.15	225	
7317.99	37.95	V	54	-16.05	Avg	2.15	225	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

Middle Channel - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	57.17	H	74	-16.83	Peak	2.15	135	
4878.66	53.29	H	54	-0.71	Avg	2.15	135	Video Averaging Only
4878.66	45.91	H	54	-8.09	Avg	2.15	135	Video Averaging + Duty Cycle
7317.99	49.51	H	74	-24.49	Peak	2.15	135	
7317.99	39.61	H	54	-14.39	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	55.09	V	74	-18.91	Peak	2.11	120	
4952.18	50.11	V	54	-3.89	Avg	2.11	120	Video Averaging Only
4952.18	42.73	V	54	-11.27	Avg	2.11	120	Video Averaging + Duty Cycle
7428.27	49.23	V	74	-24.77	Peak	2.16	125	
7428.27	37.87	V	54	-16.13	Avg	2.16	125	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- # 1 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	51.83	H	74	-22.17	Peak	1.52	135	
4952.18	45.94	H	54	-8.06	Avg	1.52	135	Video Averaging Only
4952.18	38.56	H	54	-15.44	Avg	1.52	135	Video Averaging + Duty Cycle
7428.27	47.94	H	74	-26.06	Peak	2.16	135	
7428.27	38.41	H	54	-15.59	Avg	2.16	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
2284.81								Detected
24760.9								No Emission
24760.9								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804.41	56.37	V	74	-17.63	Peak	1	135	
4804.41	53.38	V	54	-0.62	Avg	1	135	Video Averaging Only
4804.41	46	V	54	-8	Avg	1	135	Video Averaging + Duty Cycle
7206.31	47.78	V	74	-26.22	Peak	2.11	225	
7206.31	36.64	V	54	-17.36	Avg	2.11	225	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								Detected

FCC 15.247

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	54.79	H	74	-19.21	Peak	2.15	225	
4805.14	50.91	H	54	-3.09	Avg	2.15	225	Video Averaging Only
4805.14	43.53	H	54	-10.47	Avg	2.15	225	Video Averaging + Duty Cycle
7206.31	46.71	H	74	-27.29	Peak	1.58	125	
7206.31	36.05	H	54	-17.95	Avg	1.58	125	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								Detected

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

Tested By: Kyle Fujimoto

Announce Radio -- #2 -- Dipole Antenna

[illegible]

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Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	57.42	H	74	-16.58	Peak	1.87	180	
4878.66	53.81	H	54	-0.19	Avg	1.87	180	Video Averaging Only
4878.66	46.43	H	54	-7.57	Avg	1.87	180	Video Averaging + Duty Cycle
7317.99	48.68	H	74	-25.32	Peak	1.85	90	
7317.99	38.05	H	54	-15.95	Avg	1.85	90	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 - Y-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	57.93	V	74	-16.07	Peak	1.78	45	
4952.18	55.05	V	54	1.05	Avg	1.78	45	Video Averaging Only
4952.18	47.67	V	54	-6.33	Avg	1.78	45	Video Averaging + Duty Cycle
7428.27	48.36	V	74	-25.64	Peak	1.95	270	
7428.27	37.44	V	54	-16.56	Avg	1.95	270	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- #2 -- Dipole Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	56.64	H	74	-17.36	Peak	1.29	135	
4952.18	52.02	H	54	-1.98	Avg	1.29	135	Video Averaging Only
4952.18	44.64	H	54	-9.36	Avg	1.29	135	Video Averaging + Duty Cycle
7428.27	47.16	H	74	-26.84	Peak	1.58	45	
7428.27	39.11	H	54	-14.89	Avg	1.58	45	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- # 1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	59.84	V	74	-14.16	Peak	2.11	225	
4805.14	56.93	V	54	2.93	Avg	2.11	225	Video Averaging Only
4805.14	49.55	V	54	-4.45	Avg	2.11	225	Video Averaging + Duty Cycle
7207.71	47.01	V	74	-26.99	Peak	1.15	225	
7207.71	36.26	V	54	-17.74	Avg	1.15	225	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 - Y-Axis**Announce Radio -- # 1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4805.14	59.63	H	74	-14.37	Peak	1.79	135	
4805.14	55.69	H	54	1.69	Avg	1.79	135	Video Averaging Only
4805.14	48.31	H	54	-5.69	Avg	1.79	135	Video Averaging + Duty Cycle
7207.71	47.85	H	74	-26.15	Peak	1.15	225	
7207.71	36.83	H	54	-17.17	Avg	1.15	225	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

Tested By: Kyle Fujimoto

Announce Radio -- # 1 -- Panel Type Antenna

[illegible]

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Announce Radio -- # 1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4878.66	57.68	H	74	-16.32	Peak	2.26	0	
4878.66	54.02	H	54	0.02	Avg	2.26	0	Video Averaging Only
4878.66	46.64	H	54	-7.36	Avg	2.26	0	Video Averaging + Duty Cycle
7317.99	48.05	H	74	-25.95	Peak	1.74	45	
7317.99	38.19	H	54	-15.81	Avg	1.74	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: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- # 1 -- Panel Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.18	60.26	V	74	-13.74	Peak	1.82	135	
4952.18	57.54	V	54	3.54	Avg	1.82	135	Video Averaging Only
4952.18	50.16	V	54	-3.84	Avg	1.82	135	Video Averaging + Duty Cycle
7428.27	48.85	V	74	-25.15	Peak	1.15	135	
7428.27	38.11	V	54	-15.89	Avg	1.15	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
2284.81								Detected
24760.9								No Emission
24760.9								Detected

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

Tested By: Kyle Fujimoto

Announce Radio -- # 1 -- Panel Type Antenna

[illegible]

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804.41	58.63	V	74	-15.37	Peak	1.76	225	
4804.41	54.02	V	54	0.02	Avg	1.76	225	Video Averaging Only
4804.41	46.64	V	54	-7.36	Avg	1.76	225	Video Averaging + Duty Cycle
7206.31	49.44	V	74	-24.56	Peak	1.97	125	
7206.31	40.44	V	54	-13.56	Avg	1.97	125	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Low Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804.41	61.31	H	74	-12.69	Peak	2.08	225	
4804.41	58.36	H	54	4.36	Avg	2.08	225	Video Averaging Only
4804.41	50.98	H	54	-3.02	Avg	2.08	225	Video Averaging + Duty Cycle
7206.31	49.61	H	74	-24.39	Peak	2.29	225	
7206.31	37.47	H	54	-16.53	Avg	2.29	225	Video Averaging Only
9608.41								No Emission
9608.41								Detected
12010.5								No Emission
12010.5								Detected
14412.6								No Emission
14412.6								Detected
16814.7								No Emission
16814.7								Detected
19216.8								No Emission
19216.8								Detected
21618								No Emission
21618								Detected
24021								No Emission
24021								Detected

FCC 15.247

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4882.4	59.48	V	74	-14.52	Peak	1.87	135	
4882.4	55.77	V	54	1.77	Avg	1.87	135	Video Averaging Only
4882.4	48.39	V	54	-5.61	Avg	1.87	135	Video Averaging + Duty Cycle
7323.6	50.33	V	74	-23.67	Peak	2.05	135	
7323.6	39.43	V	54	-14.57	Avg	2.05	135	Video Averaging Only
9764.8								No Emission
9764.8								Detected
12206								No Emission
12206								Detected
14647.2								No Emission
14647.2								Detected
17088.4								No Emission
17088.4								Detected
19529.6								No Emission
19529.6								Detected
21970.8								No Emission
21970.8								Detected
24412								No Emission
24412								Detected

FCC 15.247

Gatekeeper Systems, Inc.

Indoor Manager

Model: D-9700

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

Middle Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4882.4	62.12	H	74	-11.88	Peak	2.03	225	
4882.4	58.44	H	54	4.44	Avg	2.03	225	Video Averaging Only
4882.4	51.06	H	54	-2.94	Avg	2.03	225	Video Averaging + Duty Cycle
7323.6	50.15	H	74	-23.85	Peak	2.49	135	
7323.6	38.93	H	54	-15.07	Avg	2.49	135	Video Averaging Only
9764.8								No Emission
9764.8								Detected
12206								No Emission
12206								Detected
14647.2								No Emission
14647.2								Detected
17088.4								No Emission
17088.4								Detected
19529.6								No Emission
19529.6								Detected
21970.8								No Emission
21970.8								Detected
24412								No Emission
24412								Detected

FCC 15.247

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.8	63.27	V	74	-10.73	Peak	1.59	0	
4952.8	59.84	V	54	5.84	Avg	1.59	0	Video Averaging Only
4952.8	52.46	V	54	-1.54	Avg	1.59	0	Video Averaging + Duty Cycle
7429.2	50.94	V	74	-23.06	Peak	1.61	135	
7429.2	41.03	V	54	-12.97	Avg	1.61	135	Video Averaging Only
9905.6								No Emission
9905.6								Detected
12382								No Emission
12382								Detected
14858.4								No Emission
14858.4								Detected
17334.8								No Emission
17334.8								Detected
19811.2								No Emission
19811.2								Detected
22287.6								No Emission
22287.6								Detected
24764								No Emission
24764								Detected

FCC 15.247

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

Date: 07/09/08

Lab: B

Tested By: Kyle Fujimoto

High Channel - Y-Axis**Announce Radio -- #2 -- Patch Type Antenna**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4952.8	60.91	H	74	-13.09	Peak	2.92	135	
4952.8	58.06	H	54	4.06	Avg	2.92	135	Video Averaging Only
4952.8	50.68	H	54	-3.32	Avg	2.92	135	Video Averaging + Duty Cycle
7429.2	49.76	H	74	-24.24	Peak	2.33	180	
7429.2	40.27	H	54	-13.73	Avg	2.33	180	Video Averaging Only
9905.6								No Emission
9905.6								Detected
12382								No Emission
12382								Detected
14858.4								No Emission
14858.4								Detected
17334.8								No Emission
17334.8								Detected
19811.2								No Emission
19811.2								Detected
22287.6								No Emission
22287.6								Detected
24764								No Emission
24764								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 #1 - Tx Mode (Worst Case)**

[illegible]

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis Announce Radio -- #1 -- Dipole Antenna

[illegible]

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 #13 - Tx Mode (Worst Case)**

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis Announce Radio -- #2 -- Dipole Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis
Announce Radio -- #1 -- Panel Type Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - X-Axis
Announce Radio -- #2 -- Panel Type Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - Y-Axis Announce Radio -- #1 -- Dipole Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - Y-Axis Announce Radio -- #2 -- Dipole Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - Y-Axis
Announce Radio -- #1 -- Panel Type Antenna

[illegible]

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

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

Digital Portion and Non-Harmonic Emissions from the Transmitter - Y-Axis Announce Radio -- #2 -- Patch Type Antenna

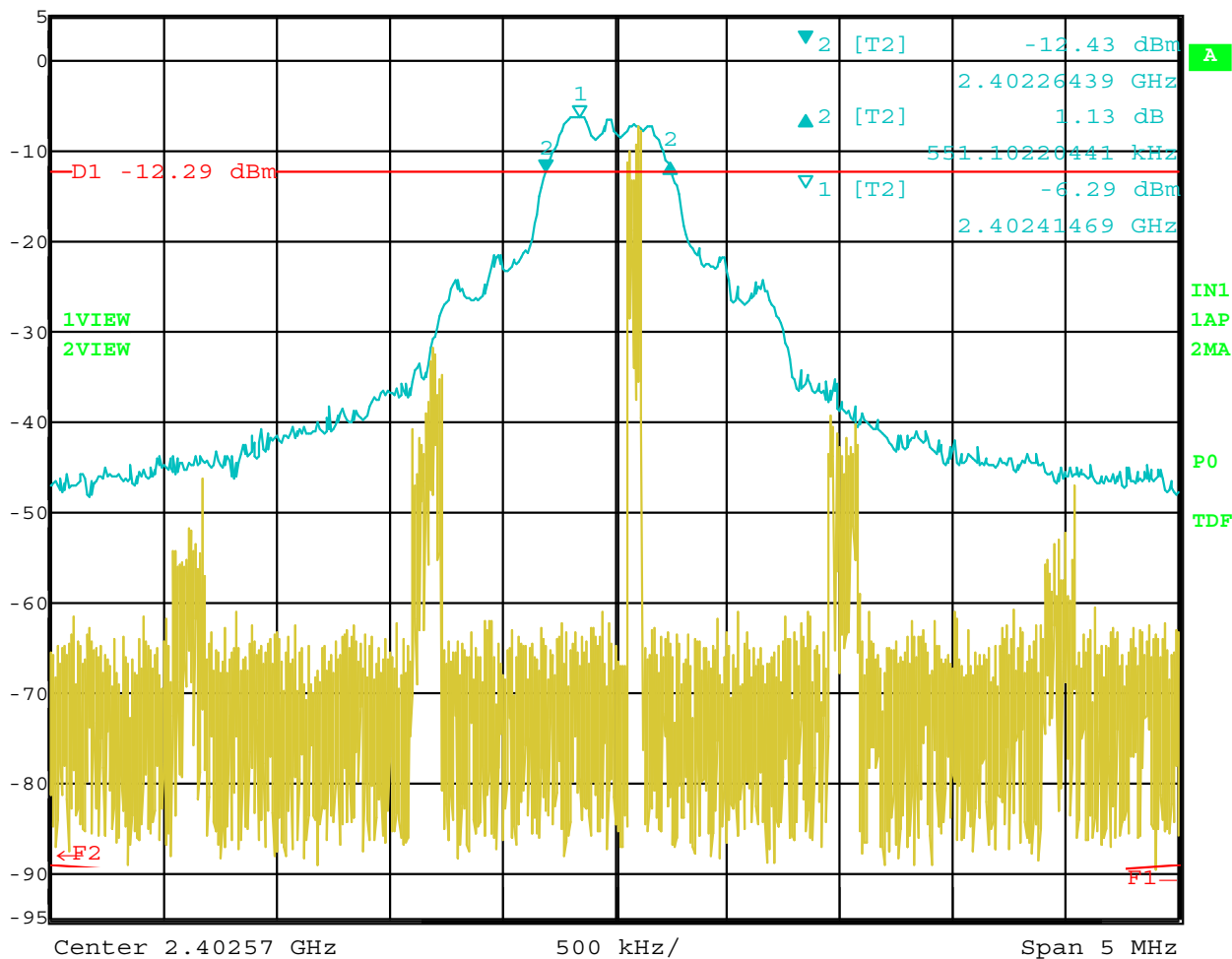
[illegible]

-6 dB BANDWIDTH

DATA SHEETS



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 1.13 dB VBW 300 kHz
5 dBm 551.10220441 kHz SWT 5 ms Unit dBm

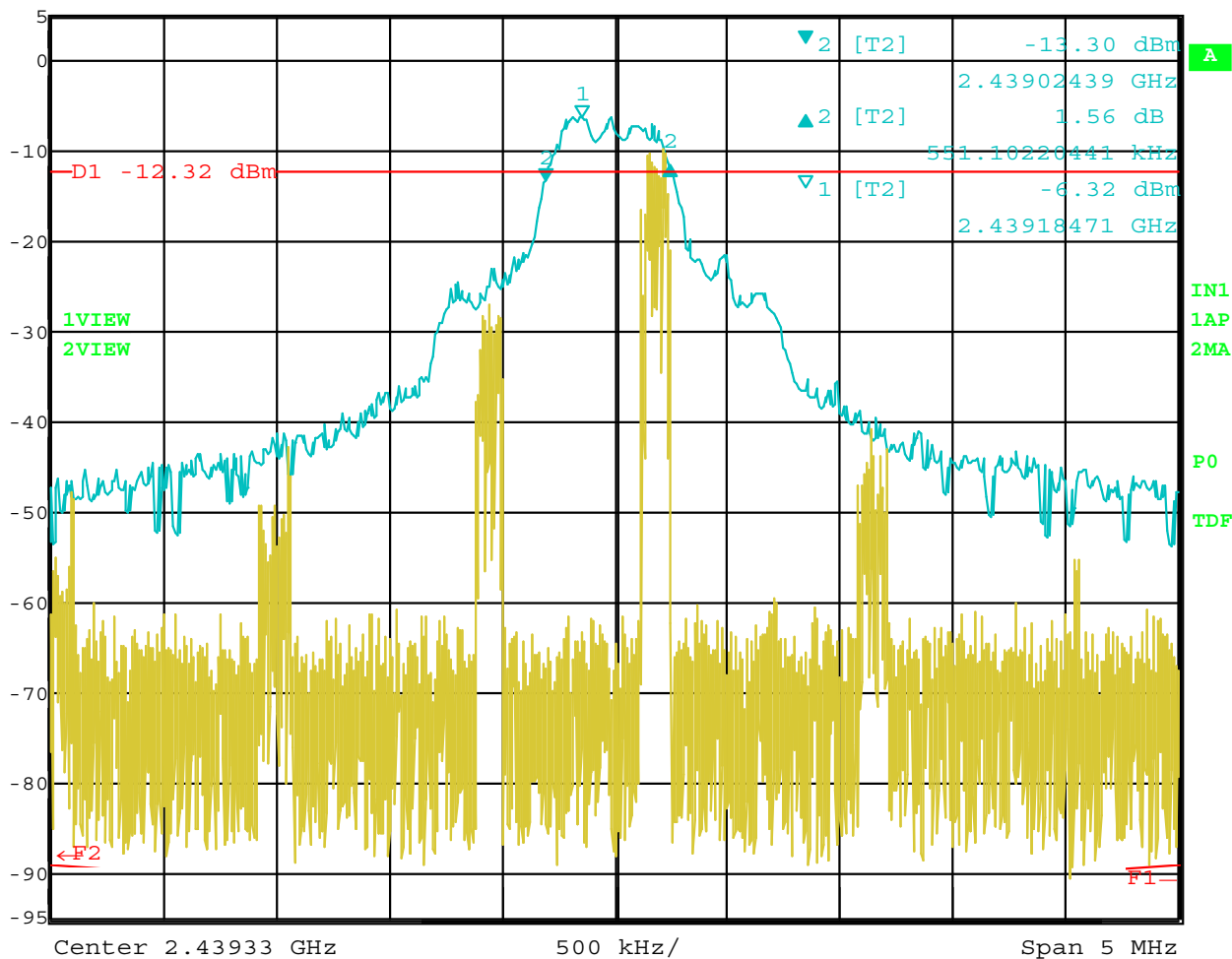


Date: 9.JUL.2008 15:25:26

Bandwidth 6 dB – Low Channel – Announce Radio – Port 1



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 1.56 dB VBW 300 kHz
5 dBm 551.10220441 kHz SWT 5 ms Unit dBm

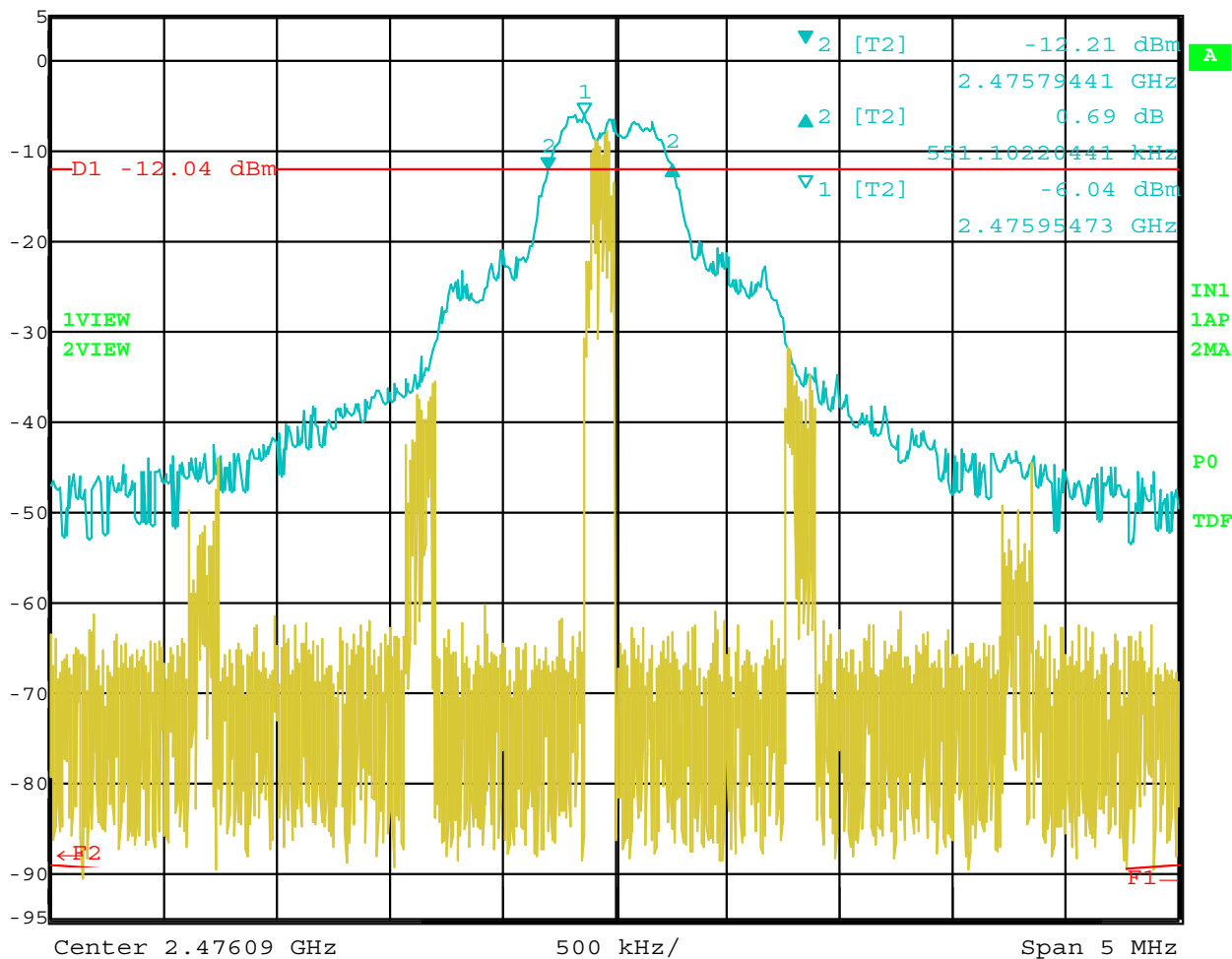


Date: 9.JUL.2008 16:38:48

Bandwidth 6 dB – Middle Channel – Announce Radio – Port 1



Delta 2 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl 0.69 dB VBW 300 kHz
5 dBm 551.10220441 kHz SWT 5 ms Unit dBm

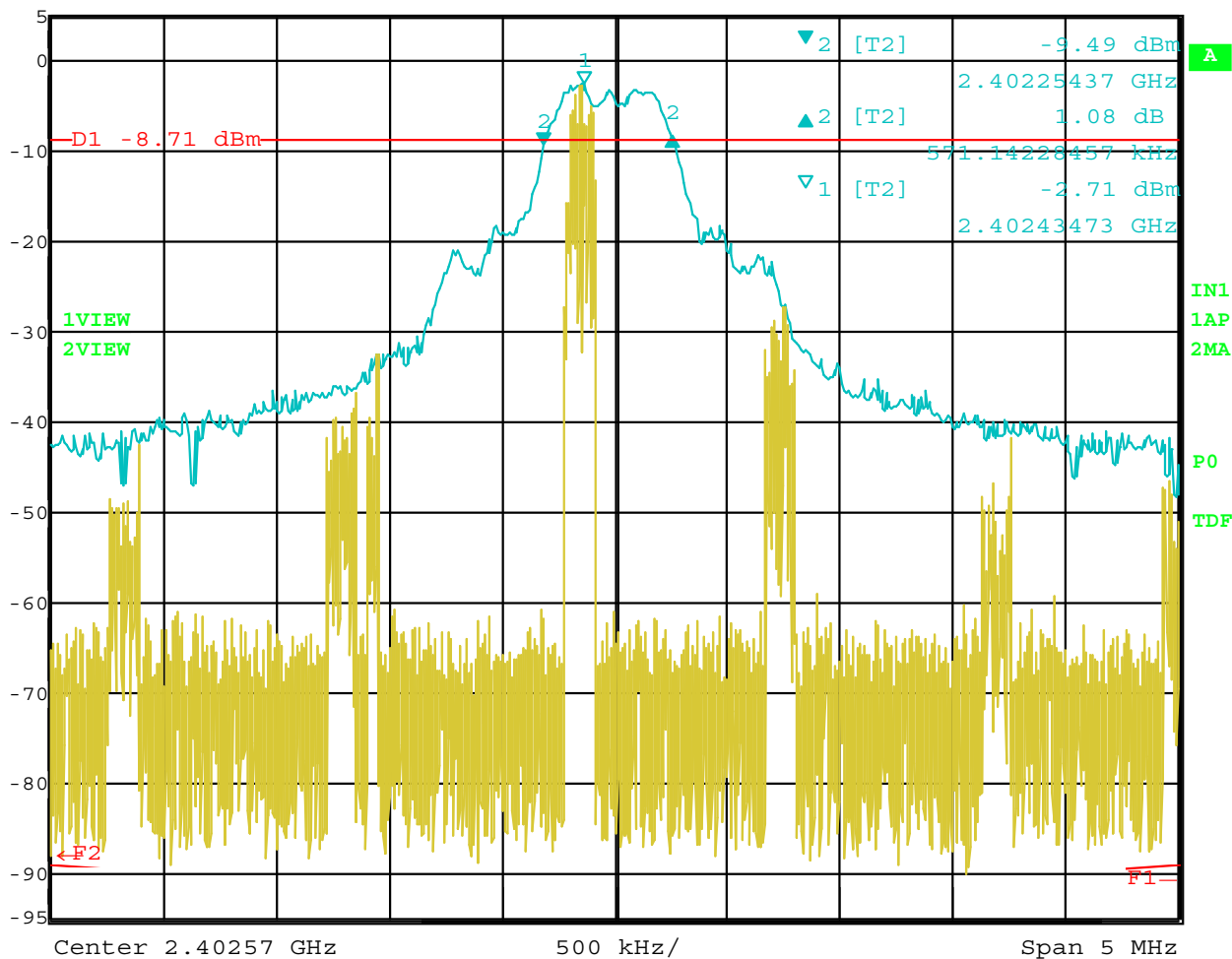


Date: 9.JUL.2008 16:41:32

Bandwidth 6 dB – High Channel – Announce Radio – Port 1



Ref Lvl 5 dBm
Delta 2 [T2] 1.08 dB
571.14228457 kHz
RBW 120 kHz
RF Att 30 dB
VBW 300 kHz
SWT 5 ms
Unit dBm

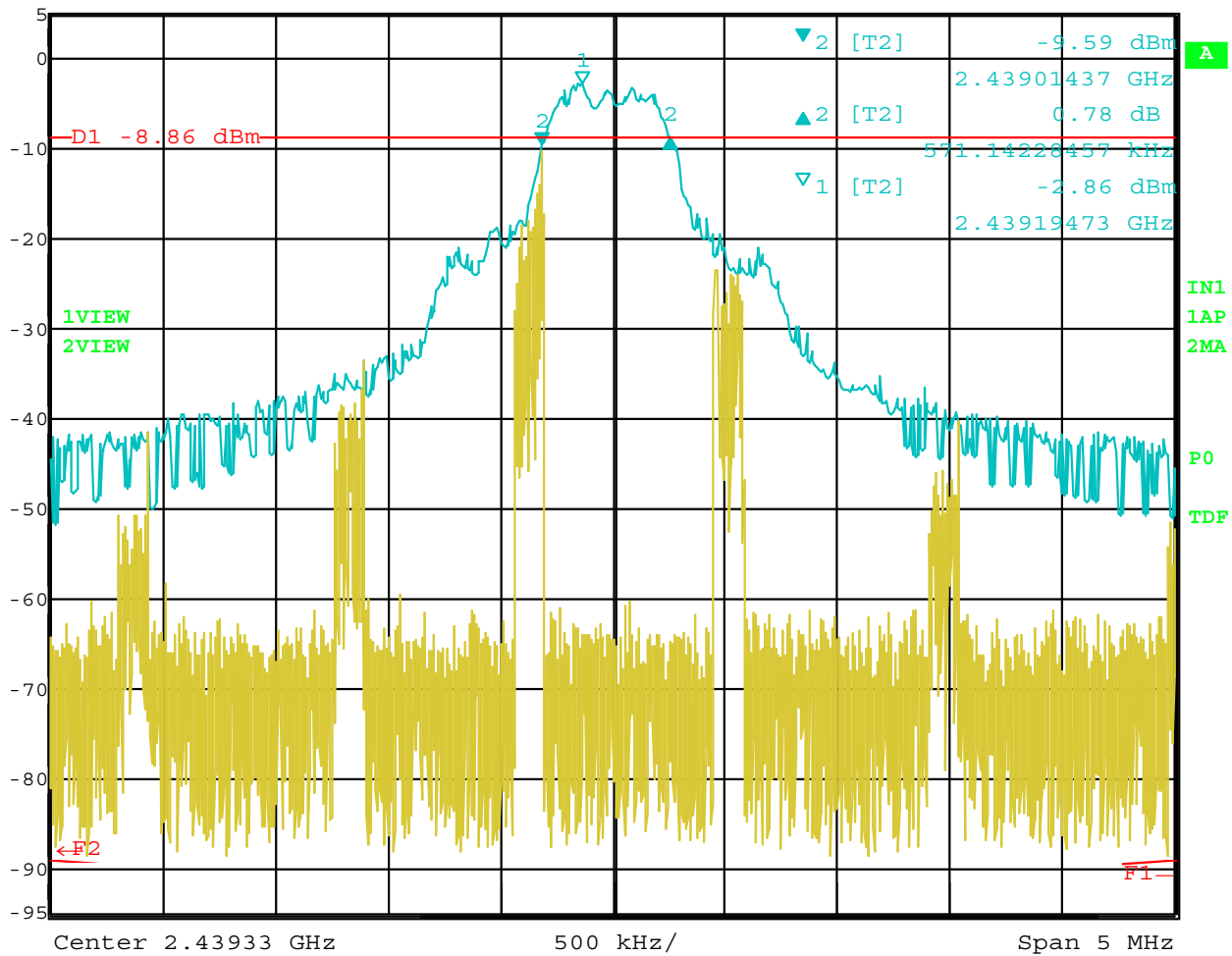


Date: 9.JUL.2008 17:20:26

Bandwidth 6 dB – Low Channel – Announce Radio – Port 2



Delta 2 [T2] RBW 120 kHz RF Att 30 dB
Ref Lvl 0.78 dB VBW 300 kHz
5 dBm 571.14228457 kHz SWT 5 ms Unit dBm

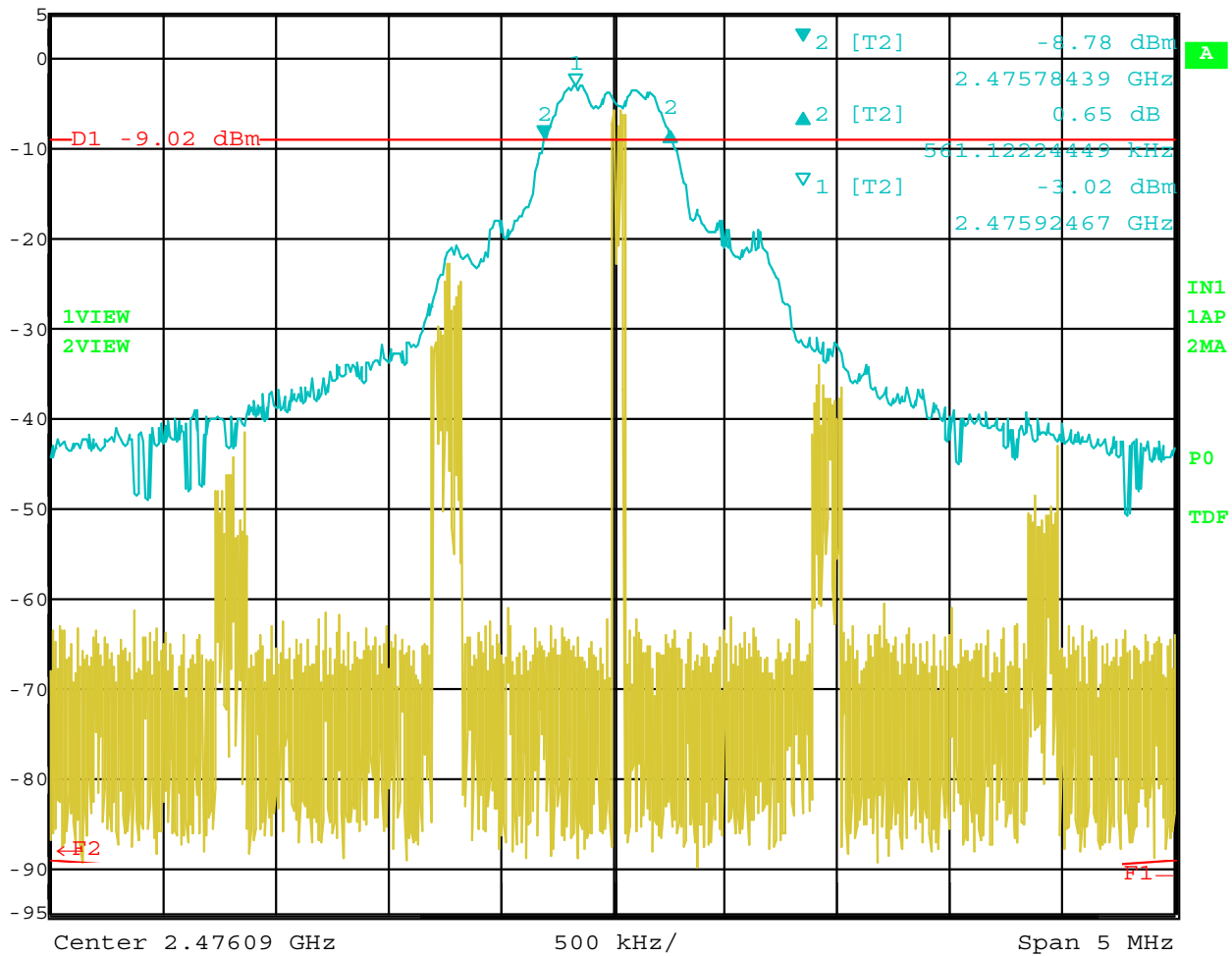


Date: 9.JUL.2008 17:18:58

Bandwidth 6 dB – Middle Channel – Announce Radio – Port 2



Delta 2 [T2] RBW 120 kHz RF Att 30 dB
Ref Lvl 0.65 dB VBW 300 kHz
5 dBm 561.12224449 kHz SWT 5 ms Unit dBm



Date: 9.JUL.2008 17:17:43

Bandwidth 6 dB – High Channel – Announce Radio – Port 2

PEAK POWER OUTPUT

DATA SHEETS

PEAK OUTPUT POWER

Indoor Manager

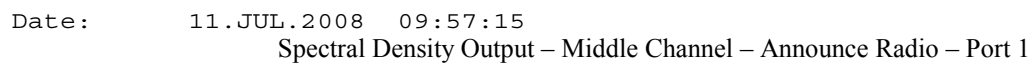
Model: D-9700

Announce Radio

CHANNEL	PORT NUMBER	Peak Power (dBm)
LOW	1	-2.49
MIDDLE	1	-2.62
HIGH	1	-2.39
LOW	2	-1.20
MIDDLE	2	-1.13
HIGH	2	-1.25

SPECTRAL DENSITY OUTPUT***DATA SHEETS***

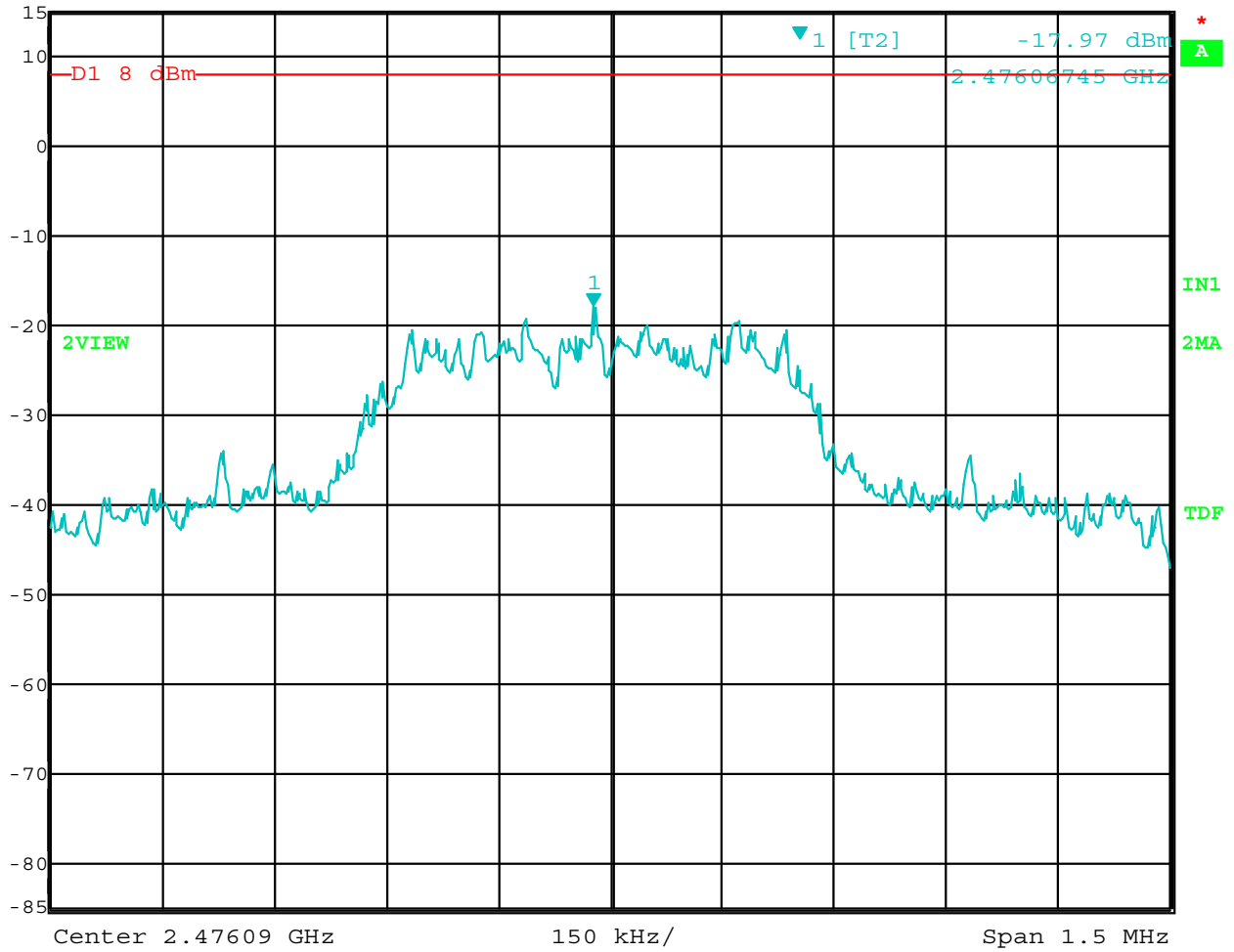
Spectral Density Output – Low Channel – Announce Radio – Port 1



Spectral Density Output – Middle Channel – Announce Radio – Port 1



Ref Lvl	Marker 1 [T2]	RBW	3 kHz	RF Att	30 dB
15 dBm	-17.97 dBm	VBW	10 kHz		
	2.47606745 GHz	SWT	500 s	Unit	dBm

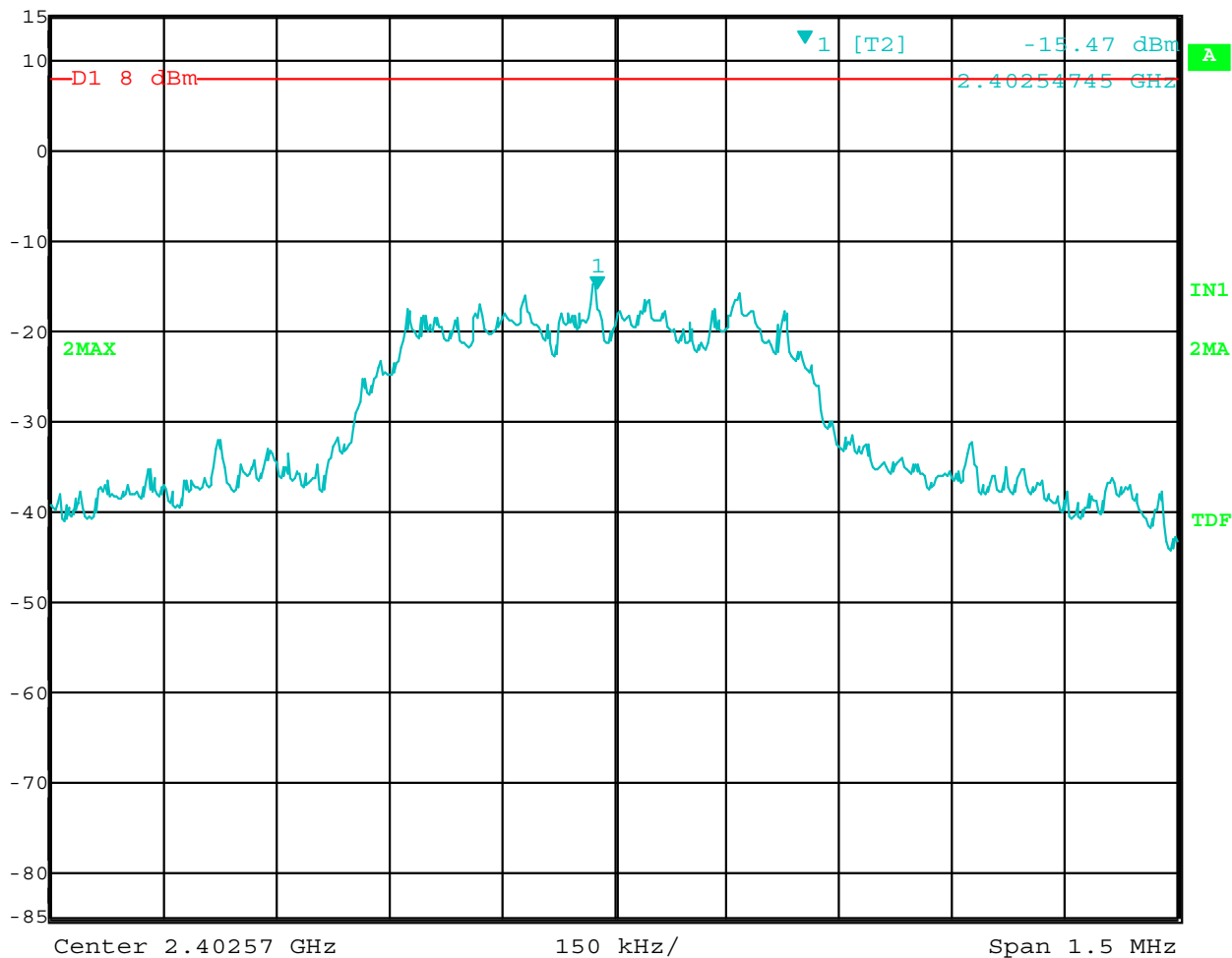


Date: 11.JUL.2008 09:19:26

Spectral Density Output – High Channel – Announce Radio – Port 1



Ref Lvl	Marker 1 [T2]	RBW	3 kHz	RF Att	30 dB
15 dBm	-15.47 dBm	VBW	10 kHz		
	2.40254745 GHz	SWT	500 s	Unit	dBm

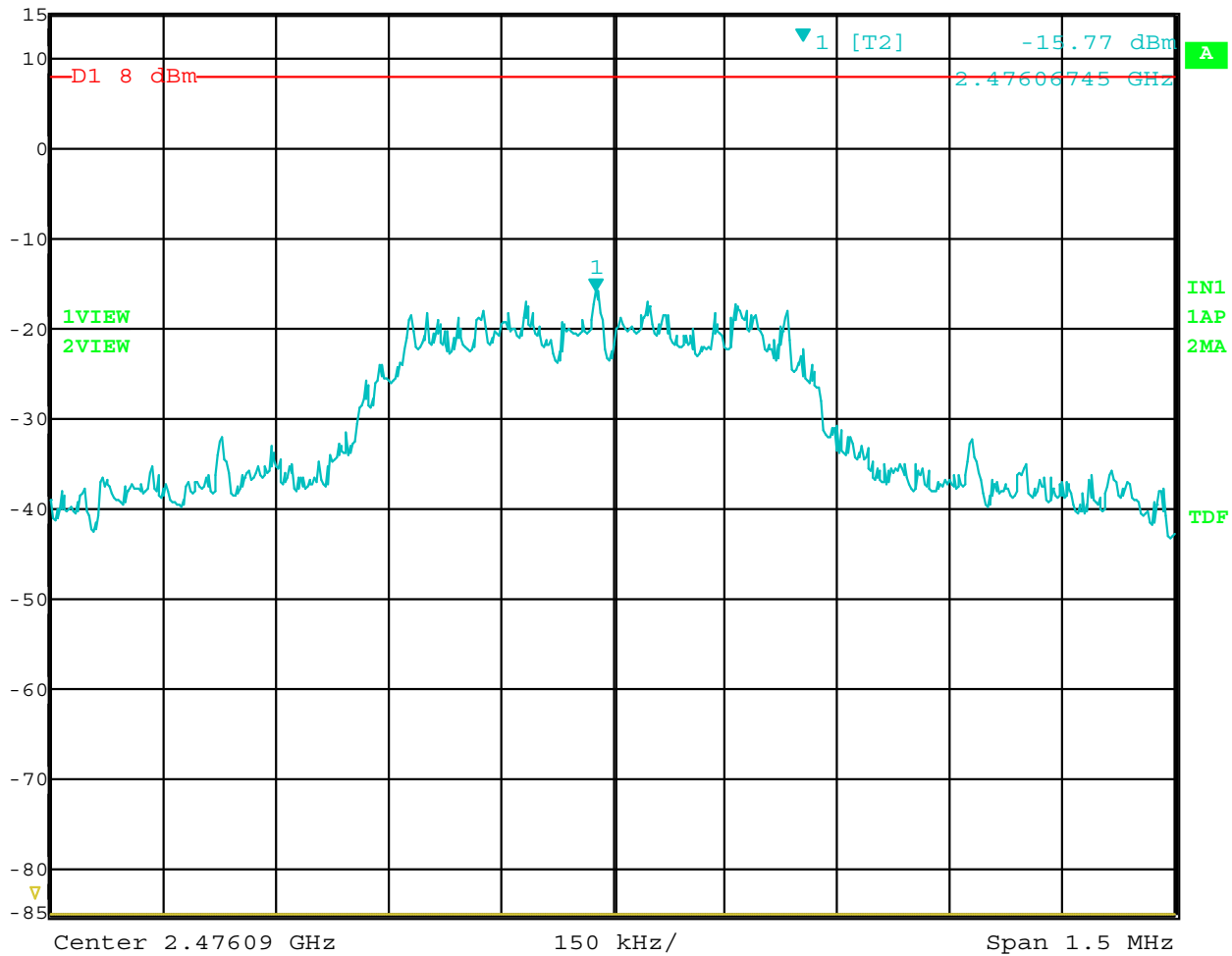


Date: 11.JUL.2008 14:15:37

Spectral Density Output – Low Channel – Announce Radio – Port 2



Ref Lvl 15 dBm
Marker 1 [T2] -15.77 dBm
2.47606745 GHz
RBW 3 kHz
RF Att 30 dB
VBW 10 kHz
SWT 500 s
Unit dBm



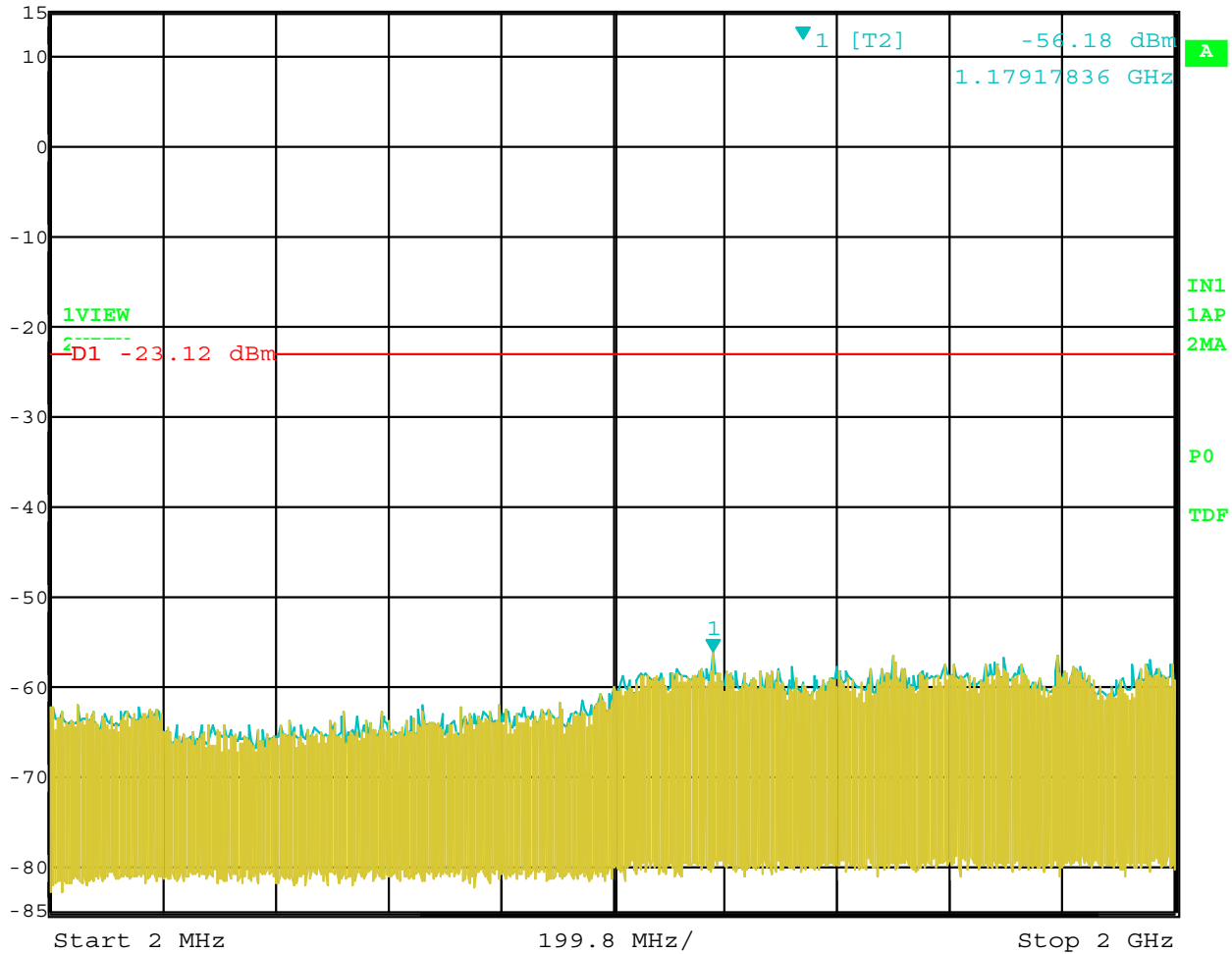
Date: 11.JUL.2008 11:23:11

Spectral Density Output – High Channel – Announce Radio – Port 2

RF ANTENNA CONDUCTED***DATA SHEETS***



Ref Lvl 15 dBm
Marker 1 [T2] -56.18 dBm
1.17917836 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.15 s Unit dBm

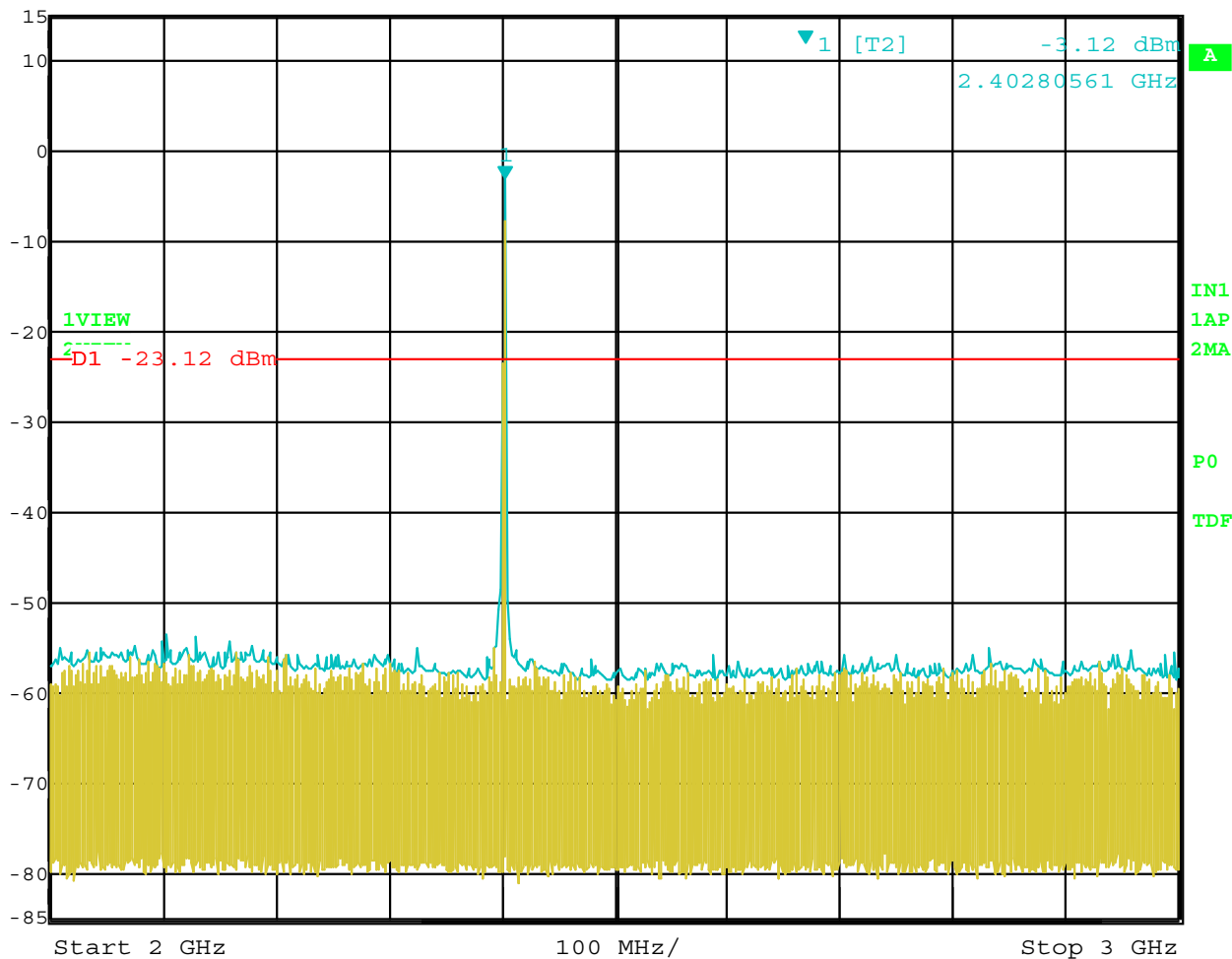


Date: 11.JUL.2008 08:47:49

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 1 – 2 MHz to 2 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -3.12 dBm
2.40280561 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 250 ms Unit dBm

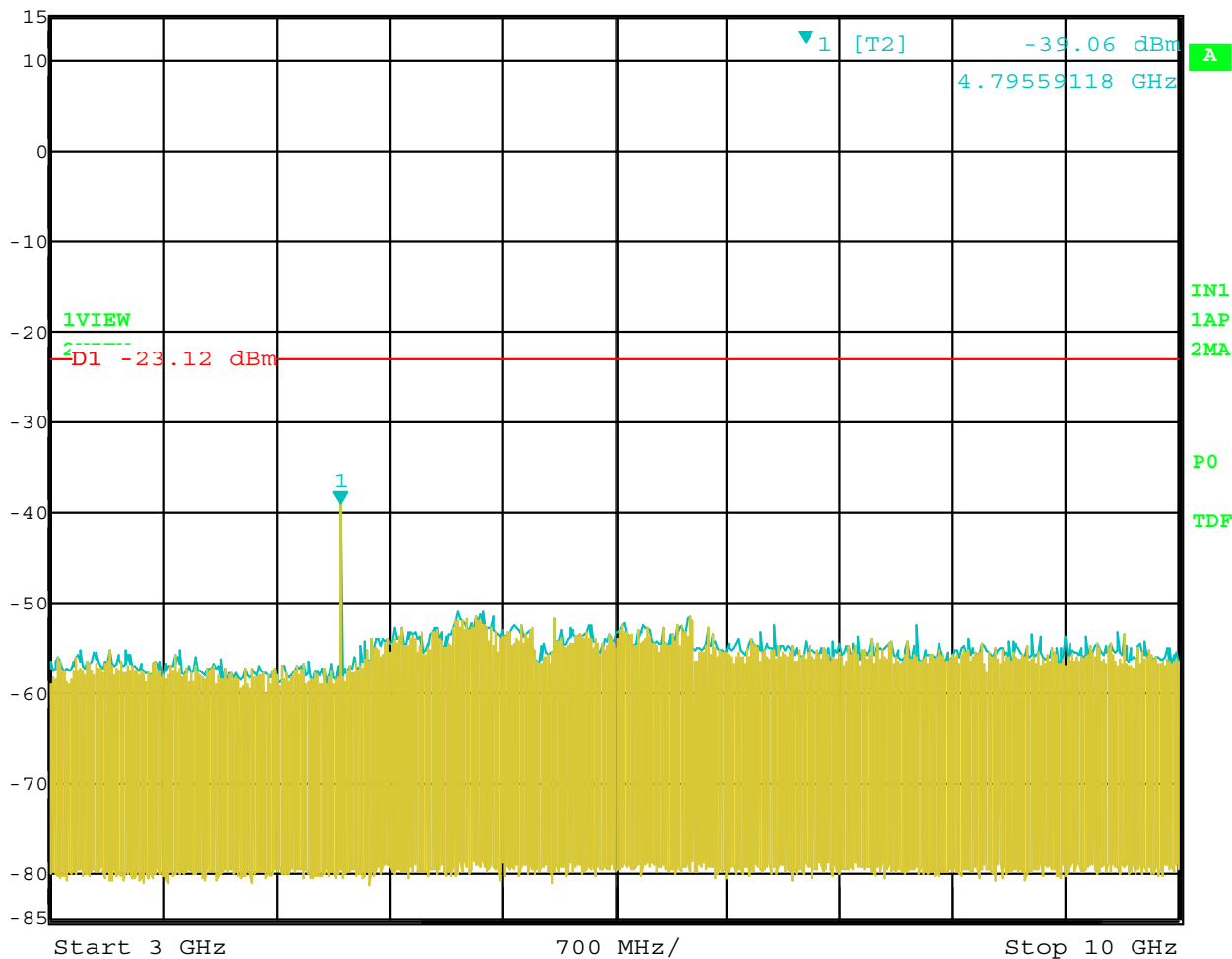


Date: 11.JUL.2008 08:47:09

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 1 – 2 GHz to 3 GHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB
Ref Lvl -39.06 dBm VBW 300 kHz
15 dBm 4.79559118 GHz SWT 1.75 s Unit dBm

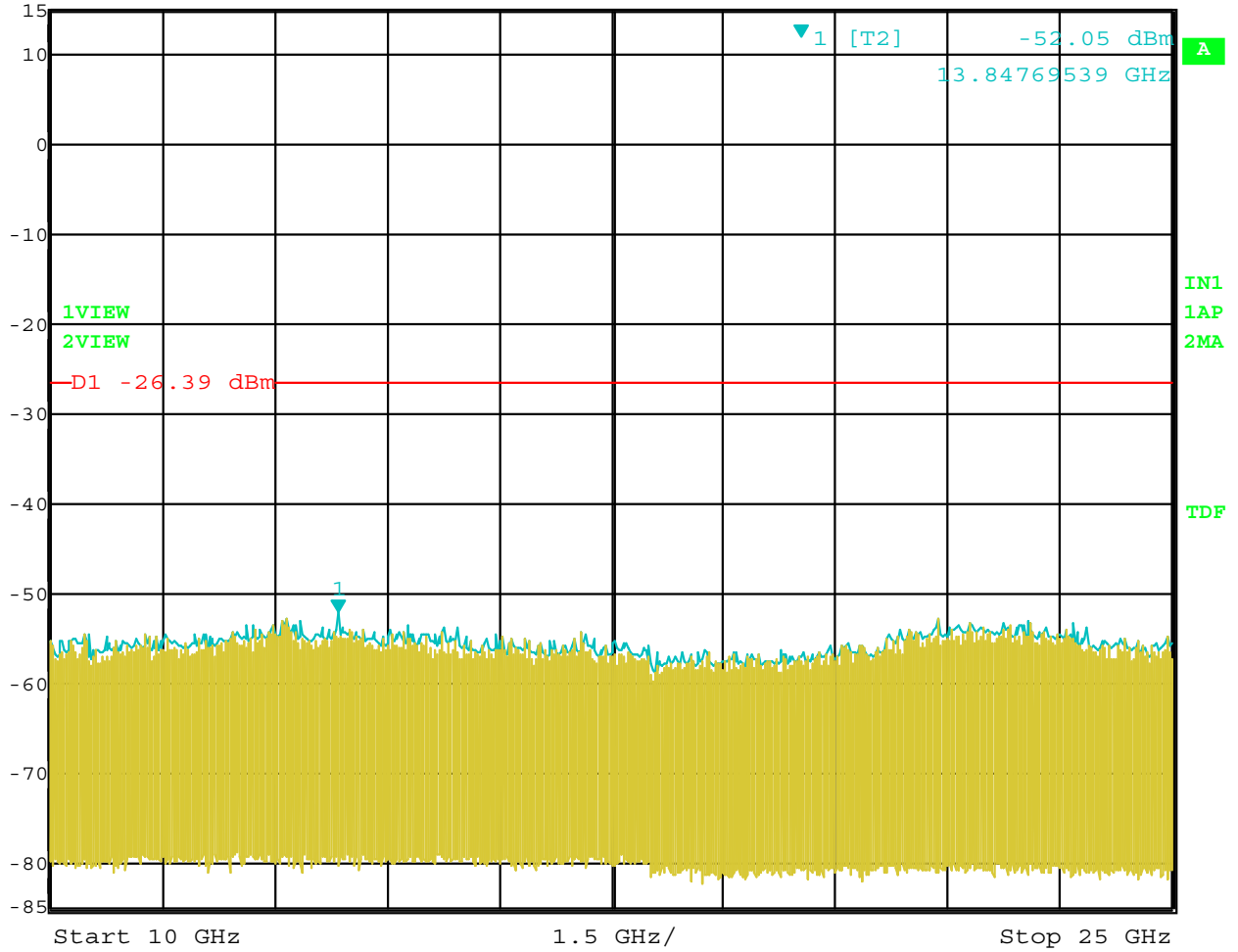


Date: 11.JUL.2008 08:48:58

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 1 – 3 GHz to 10 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -52.05 dBm
13.84769539 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

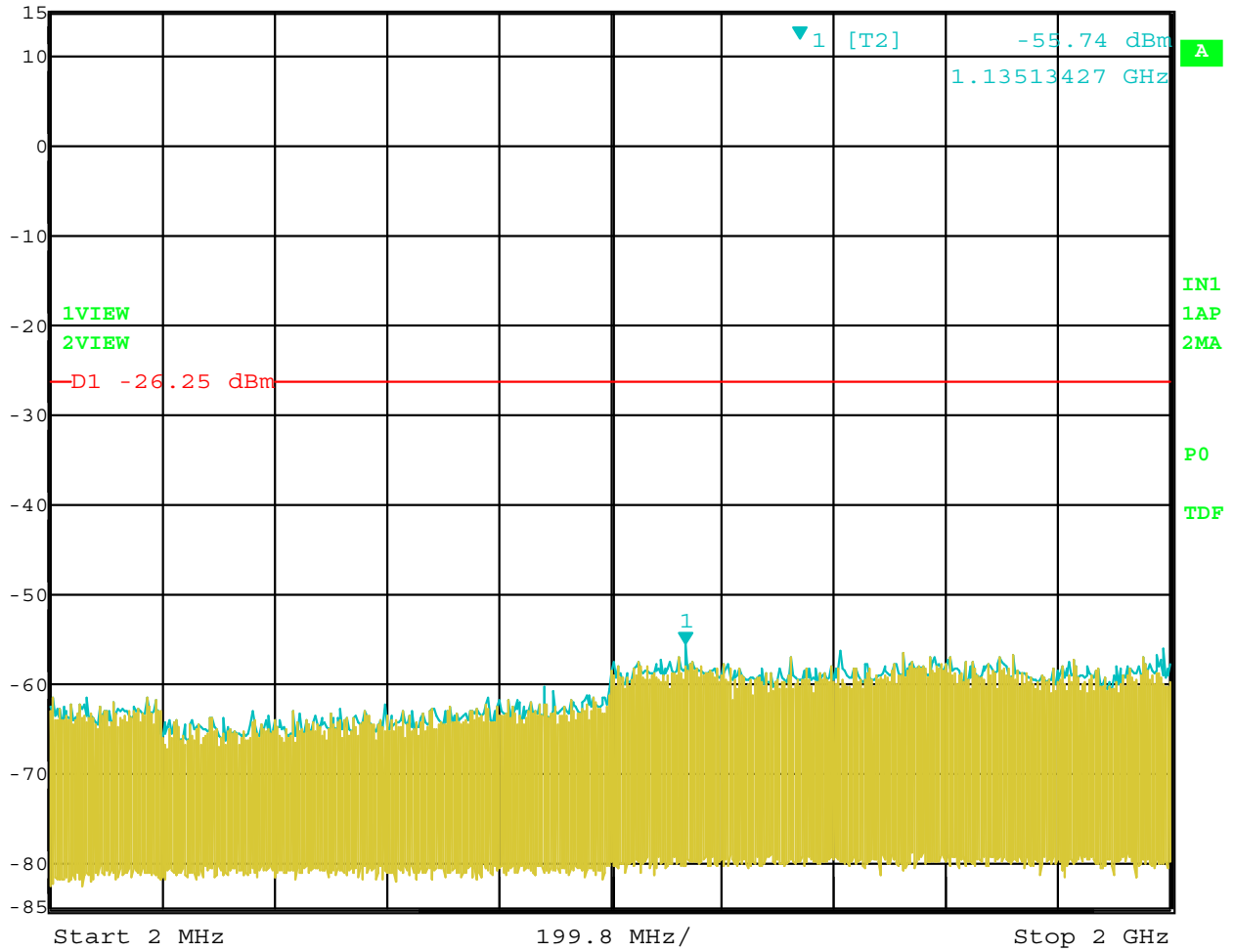


Date: 11.JUL.2008 09:08:15

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 1 – 10 GHz to 25 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -55.74 dBm
1.13513427 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.15 s Unit dBm

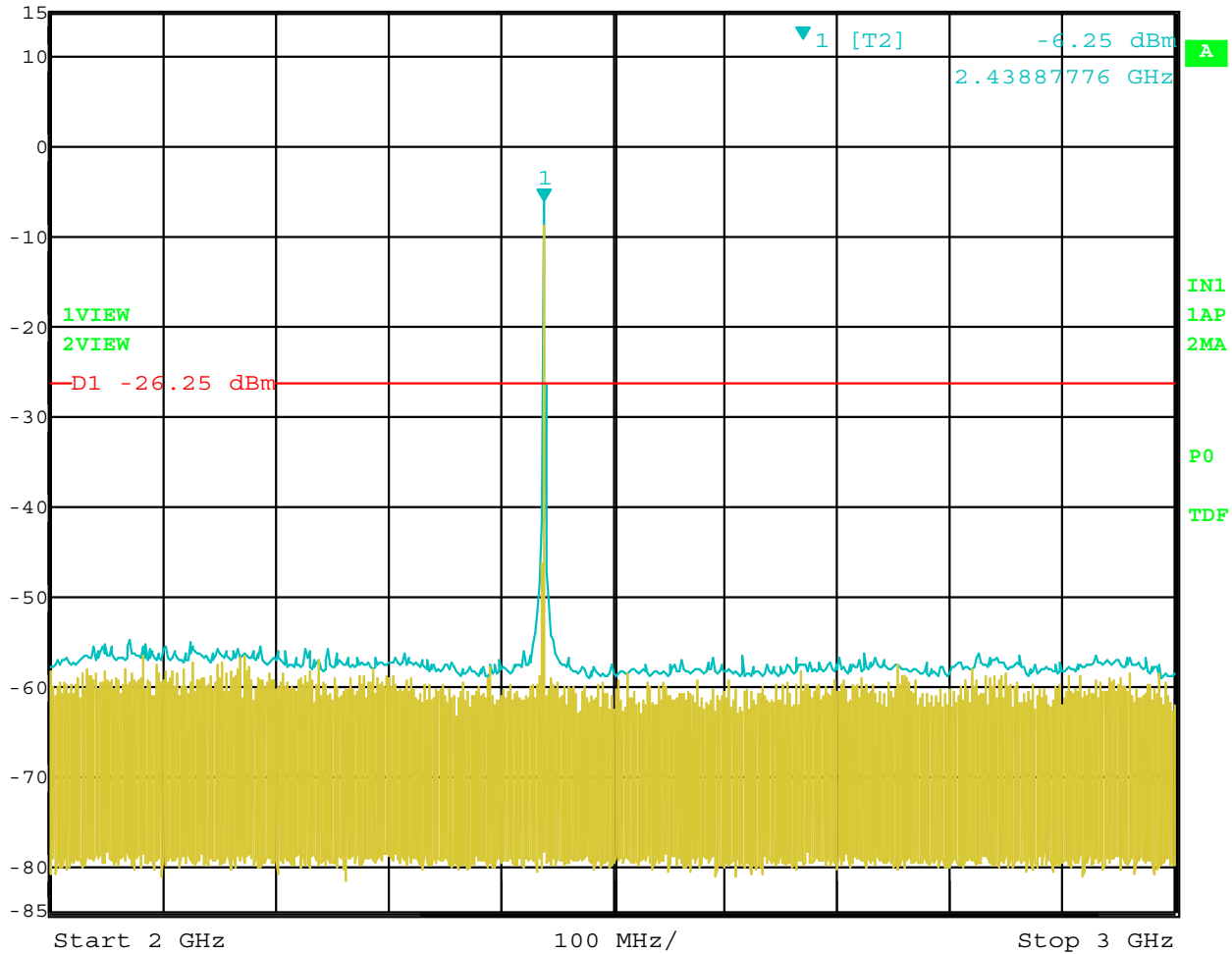


Date: 11.JUL.2008 08:53:57

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 1 – 2 MHz to 2 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -6.25 dBm
2.43887776 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 250 ms Unit dBm

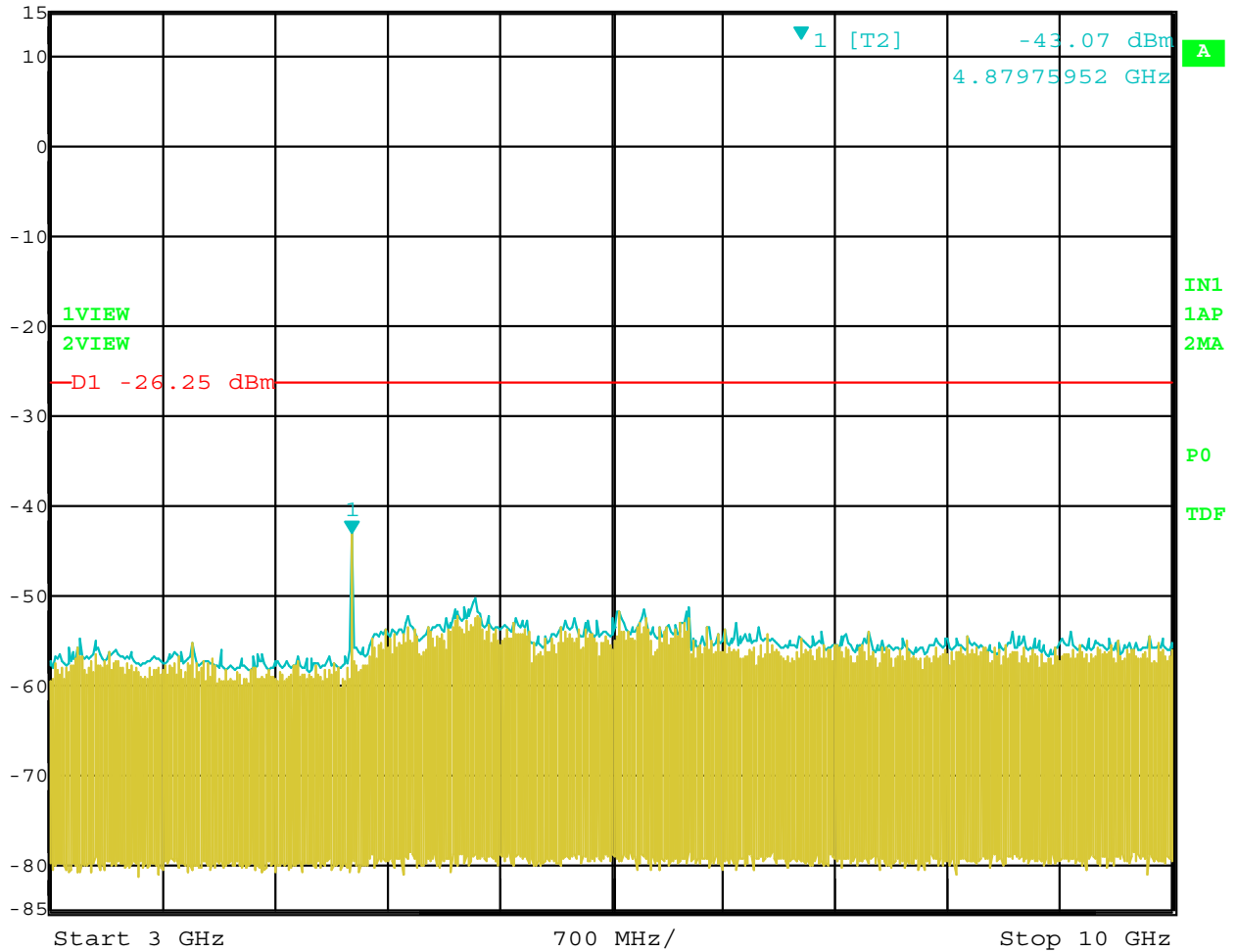


Date: 11.JUL.2008 08:53:15

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 1 – 2 GHz to 3 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -43.07 dBm
4.87975952 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

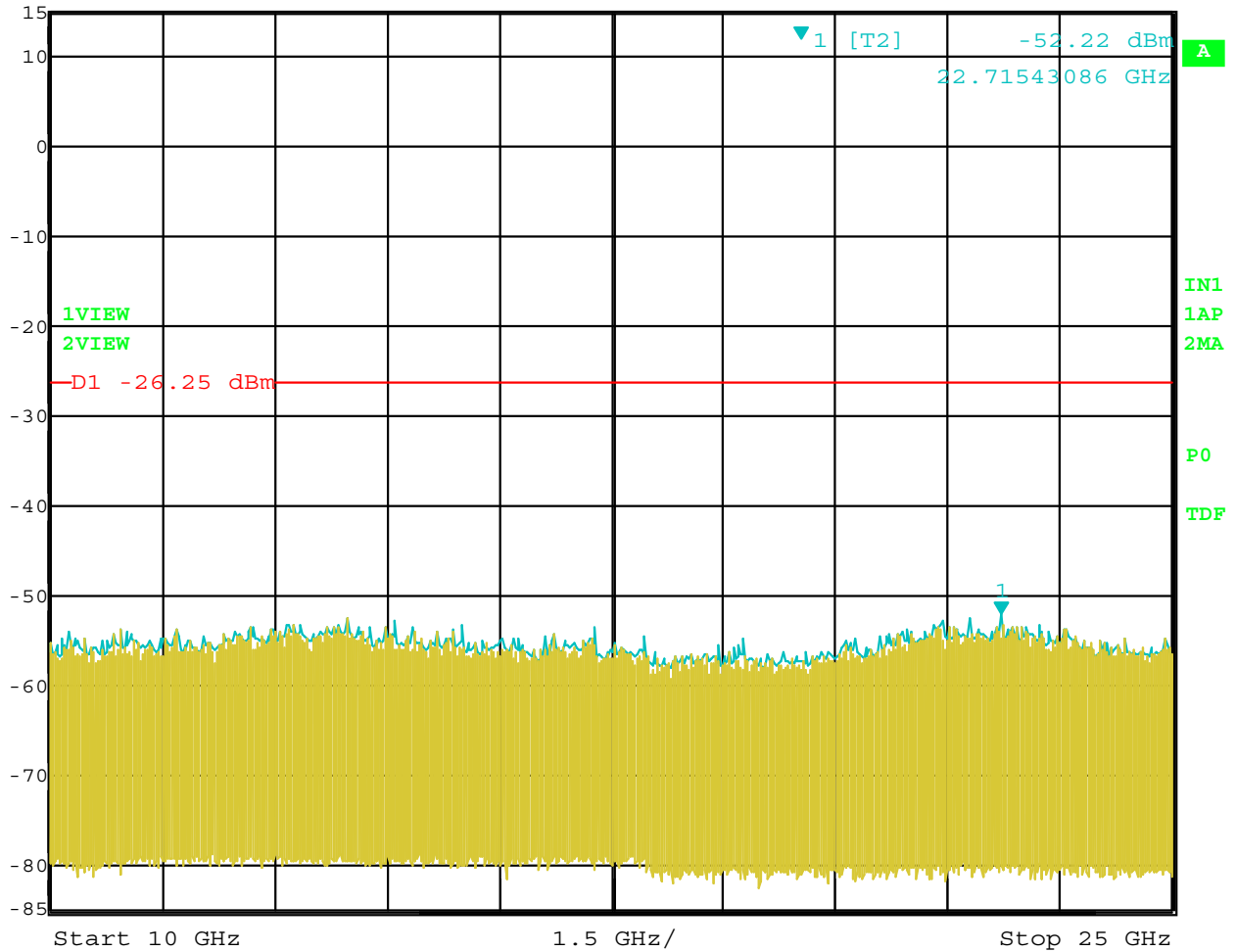


Date: 11.JUL.2008 08:54:46

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 1 – 3 GHz to 10 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-52.22 dBm VBW 300 kHz
22.71543086 GHz SWT 3.8 s Unit dBm

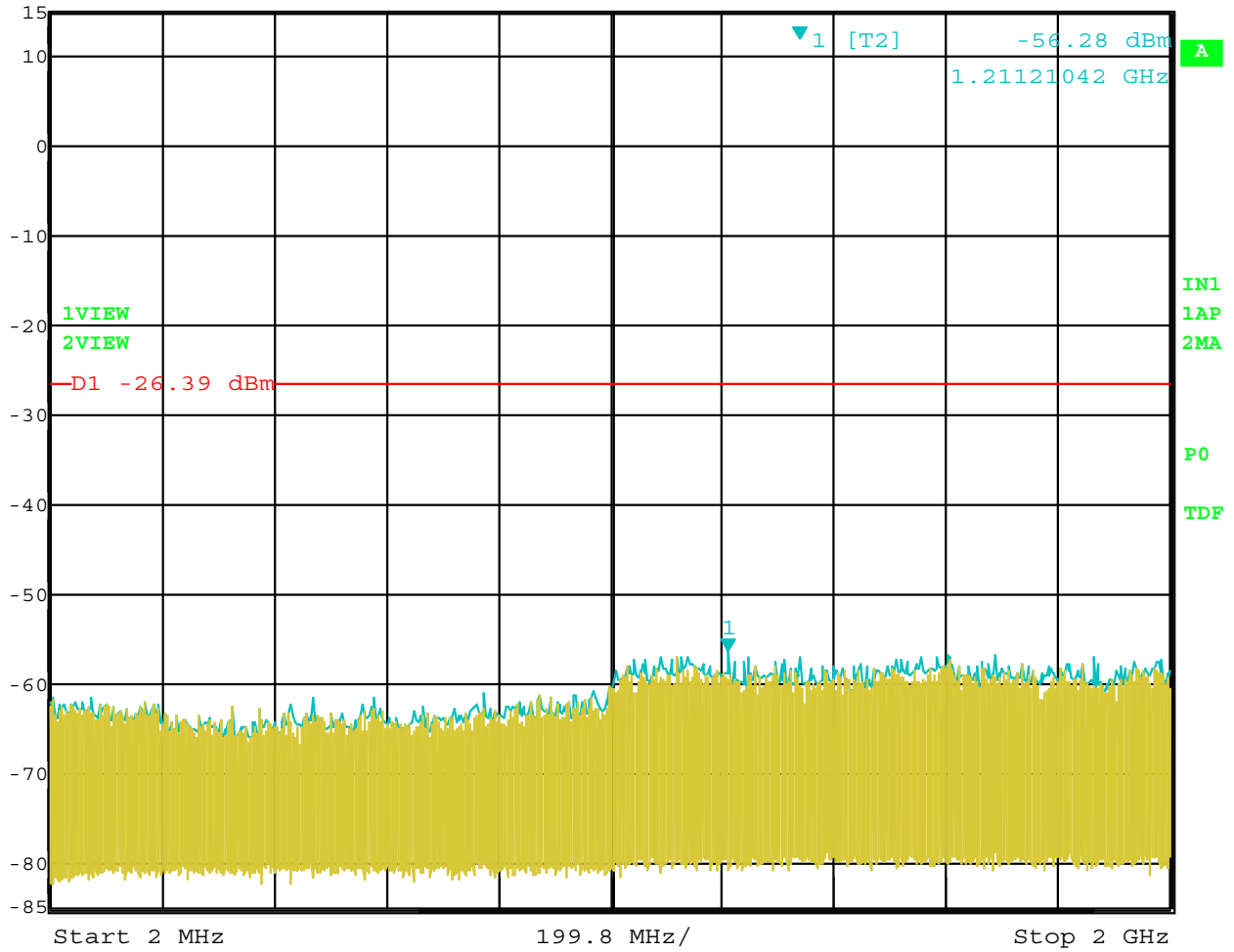


Date: 11.JUL.2008 08:55:41

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 1 – 10 GHz to 25 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -56.28 dBm
1.21121042 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.15 s Unit dBm

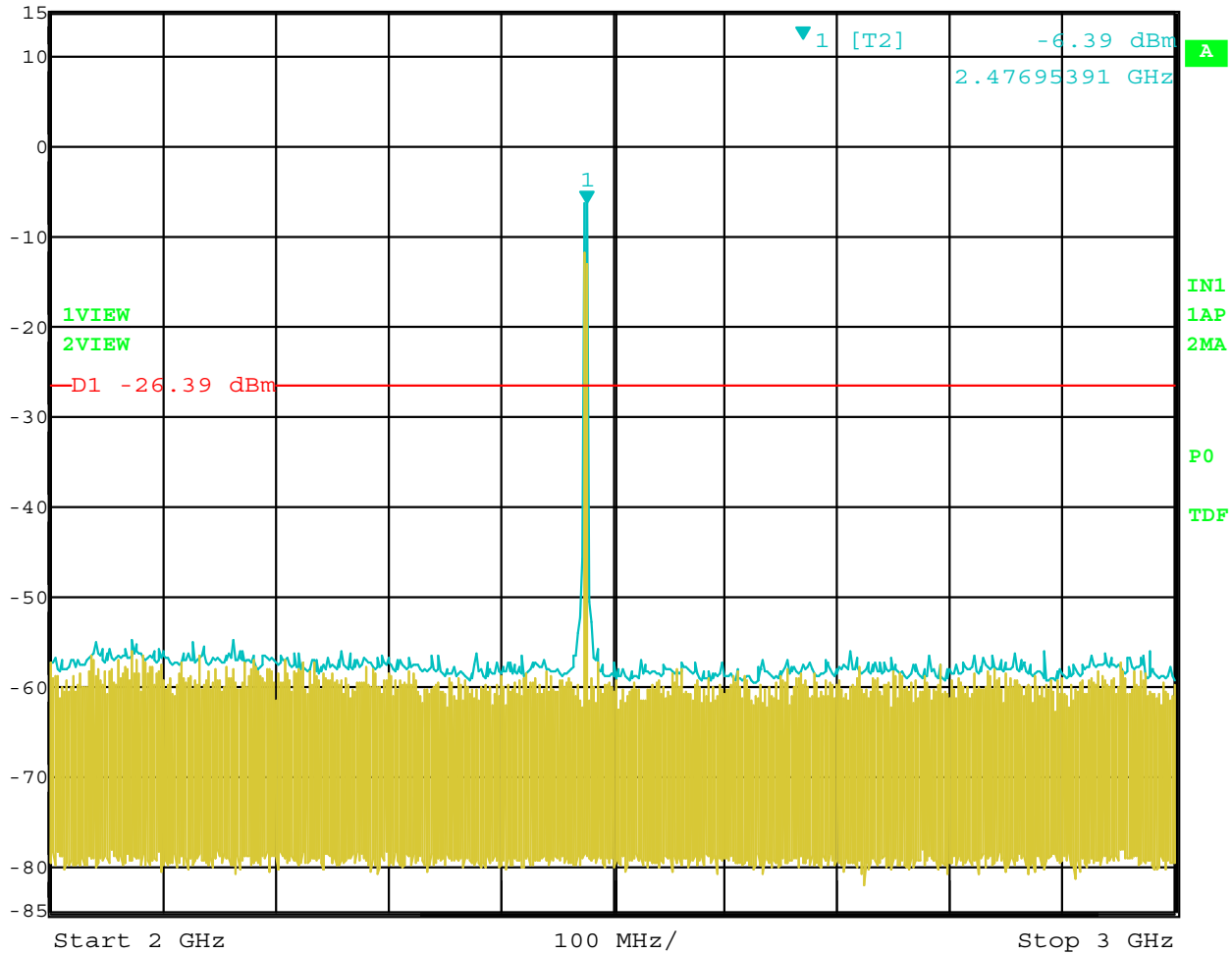


Date: 11.JUL.2008 08:59:55

RF Antenna Conducted Test – High Channel – Announce Radio – Port 1 – 2 MHz to 2 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -6.39 dBm
2.47695391 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 250 ms Unit dBm

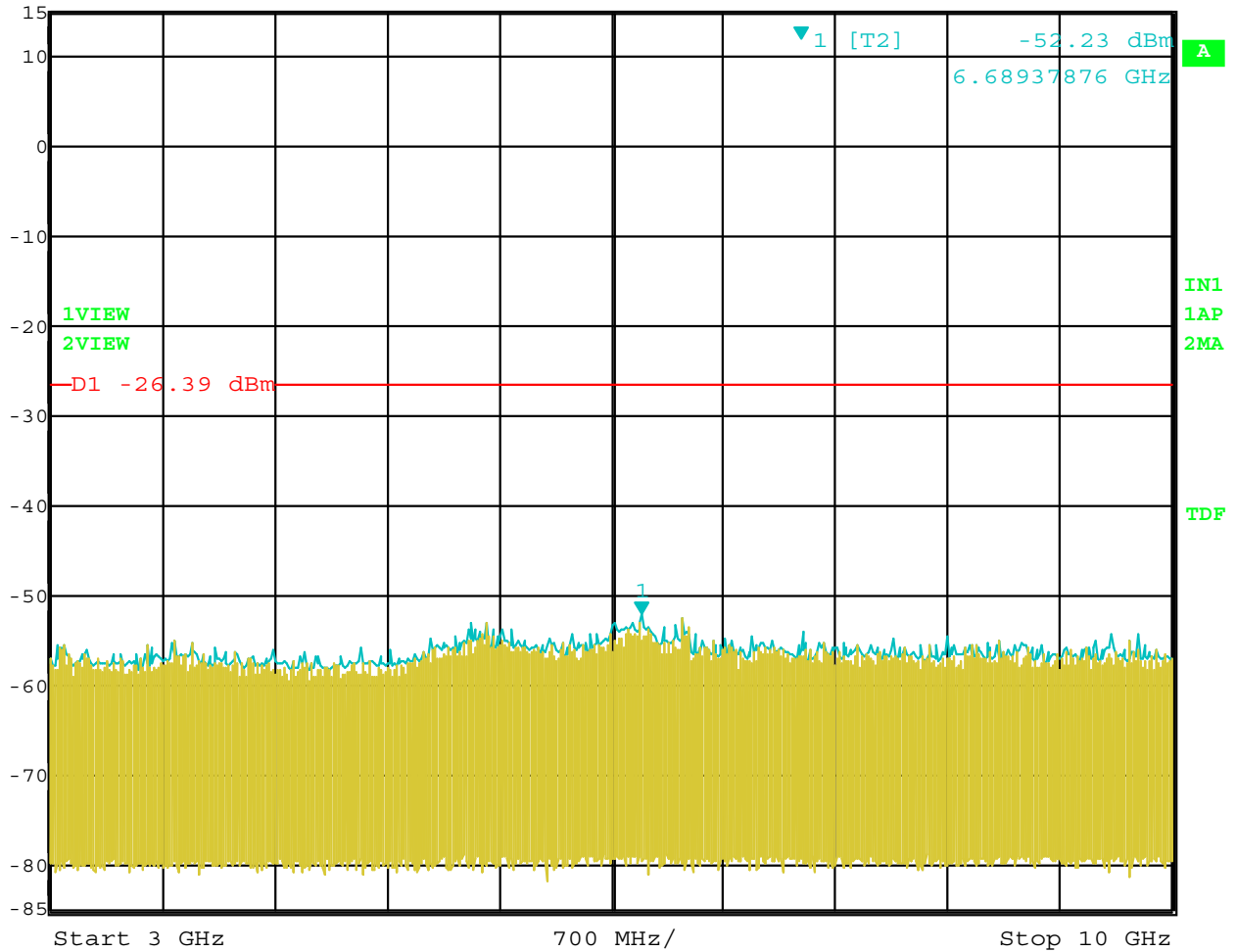


Date: 11.JUL.2008 08:59:27

RF Antenna Conducted Test – High Channel – Announce Radio – Port 1 – 2 GHz to 3 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -52.23 dBm
6.68937876 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

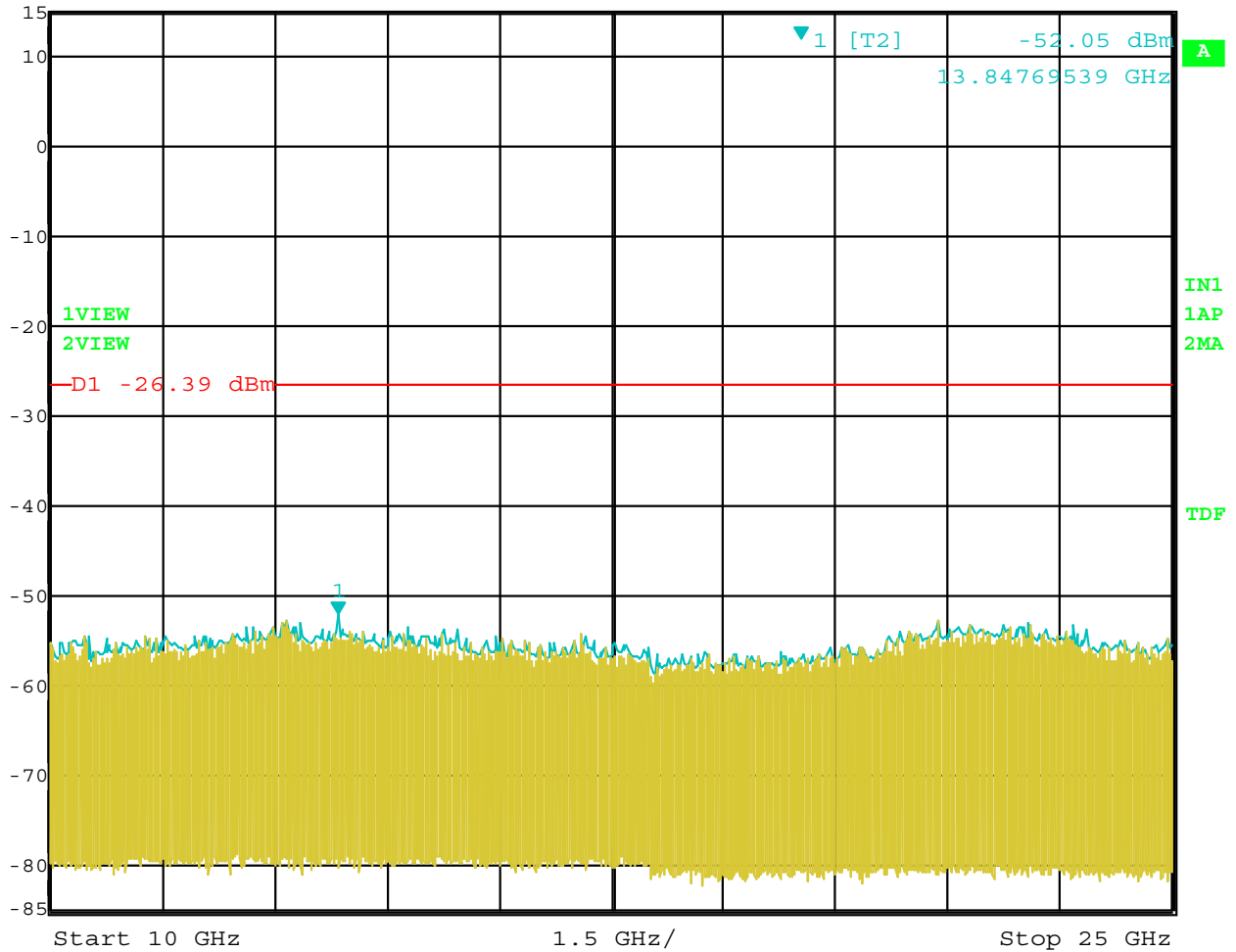


Date: 11.JUL.2008 09:06:15

RF Antenna Conducted Test – High Channel – Announce Radio – Port 1 – 3 GHz to 10 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -52.05 dBm
13.84769539 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 3.8 s Unit dBm

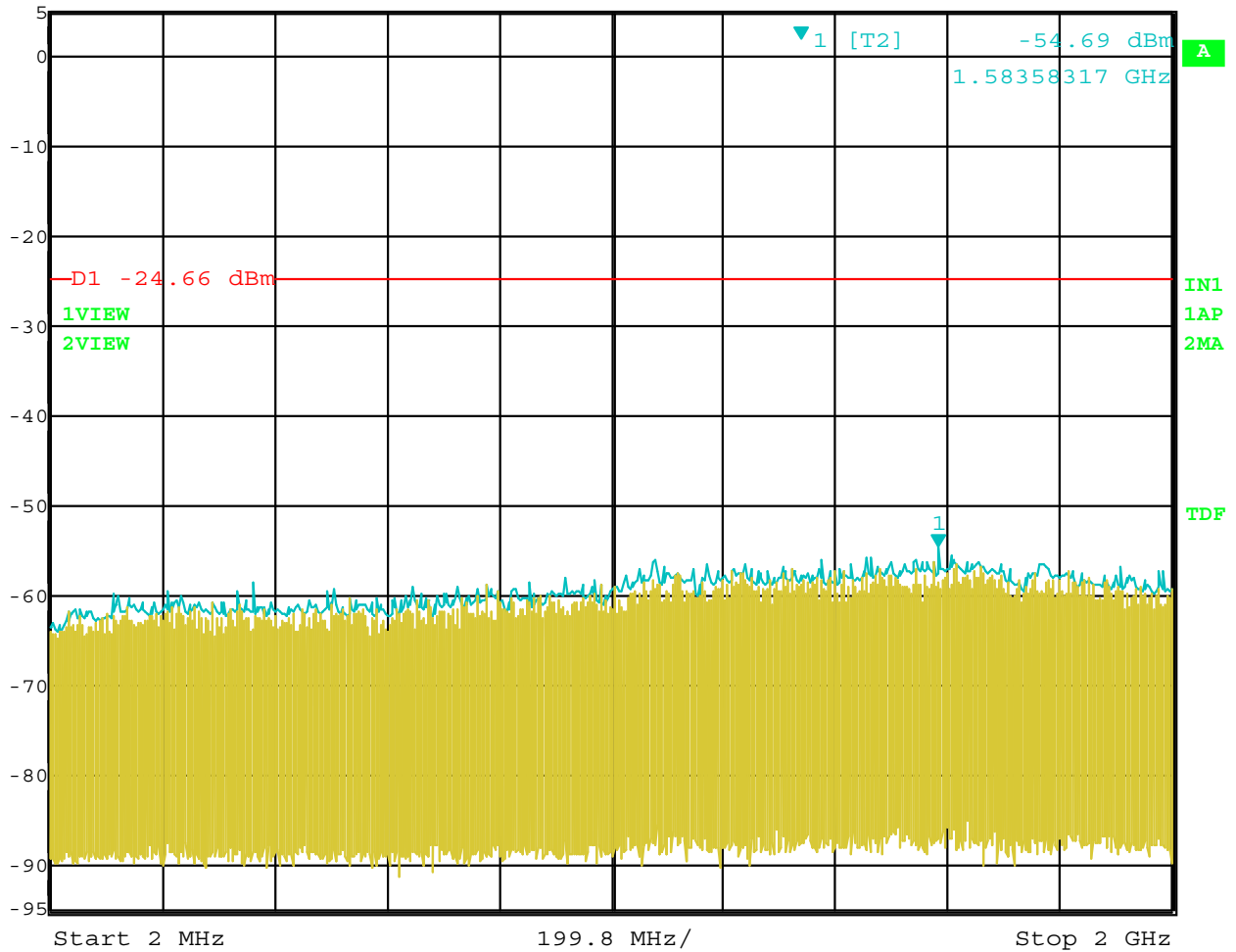


Date: 11.JUL.2008 09:08:15

RF Antenna Conducted Test – High Channel – Announce Radio – Port 1 – 10 GHz to 25 GHz



Ref Lvl 5 dBm
Marker 1 [T2] -54.69 dBm
1.58358317 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 500 ms Unit dBm

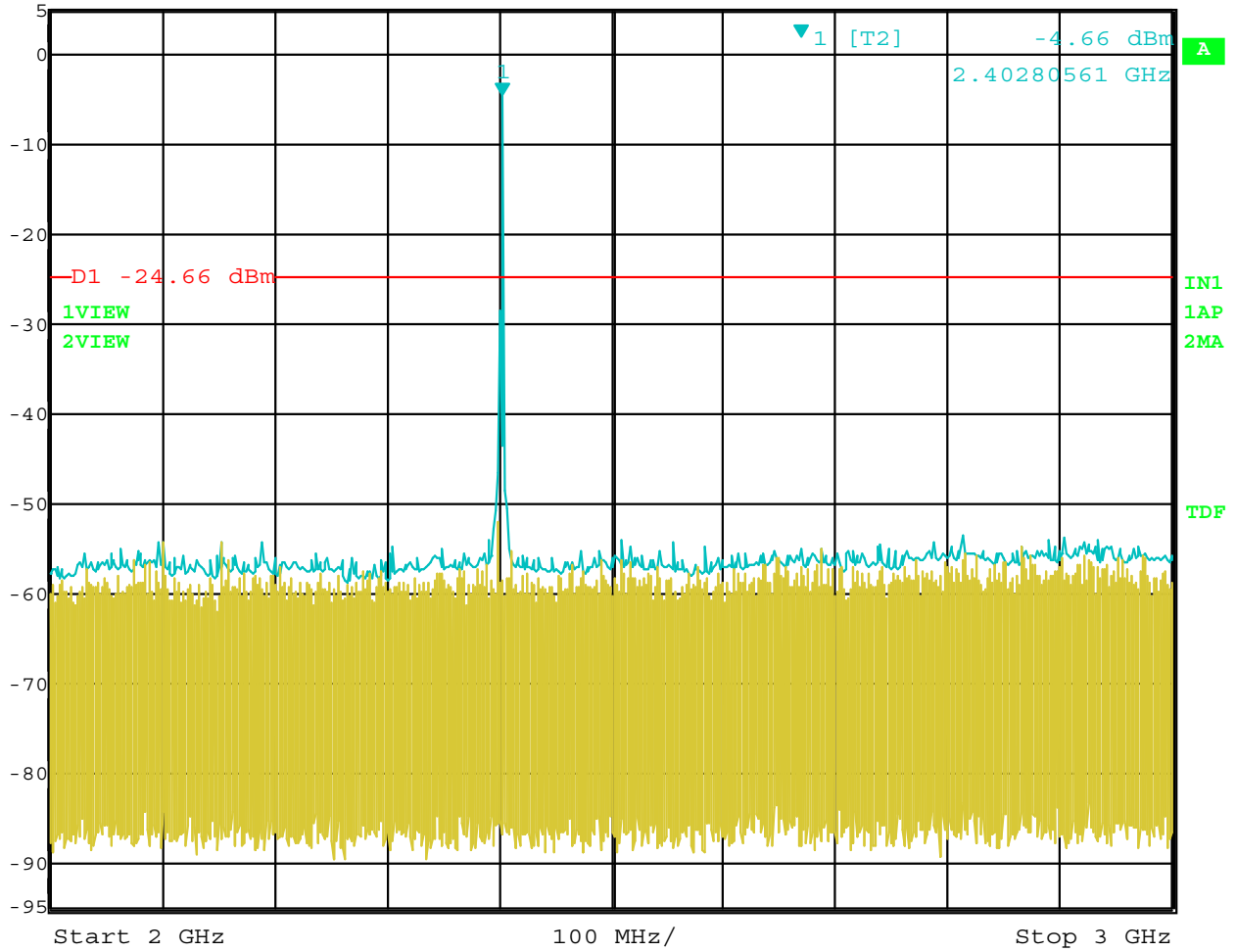


Date: 11.JUL.2008 10:30:59

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



Ref Lvl 5 dBm
Marker 1 [T2] -4.66 dBm
2.40280561 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 250 ms Unit dBm

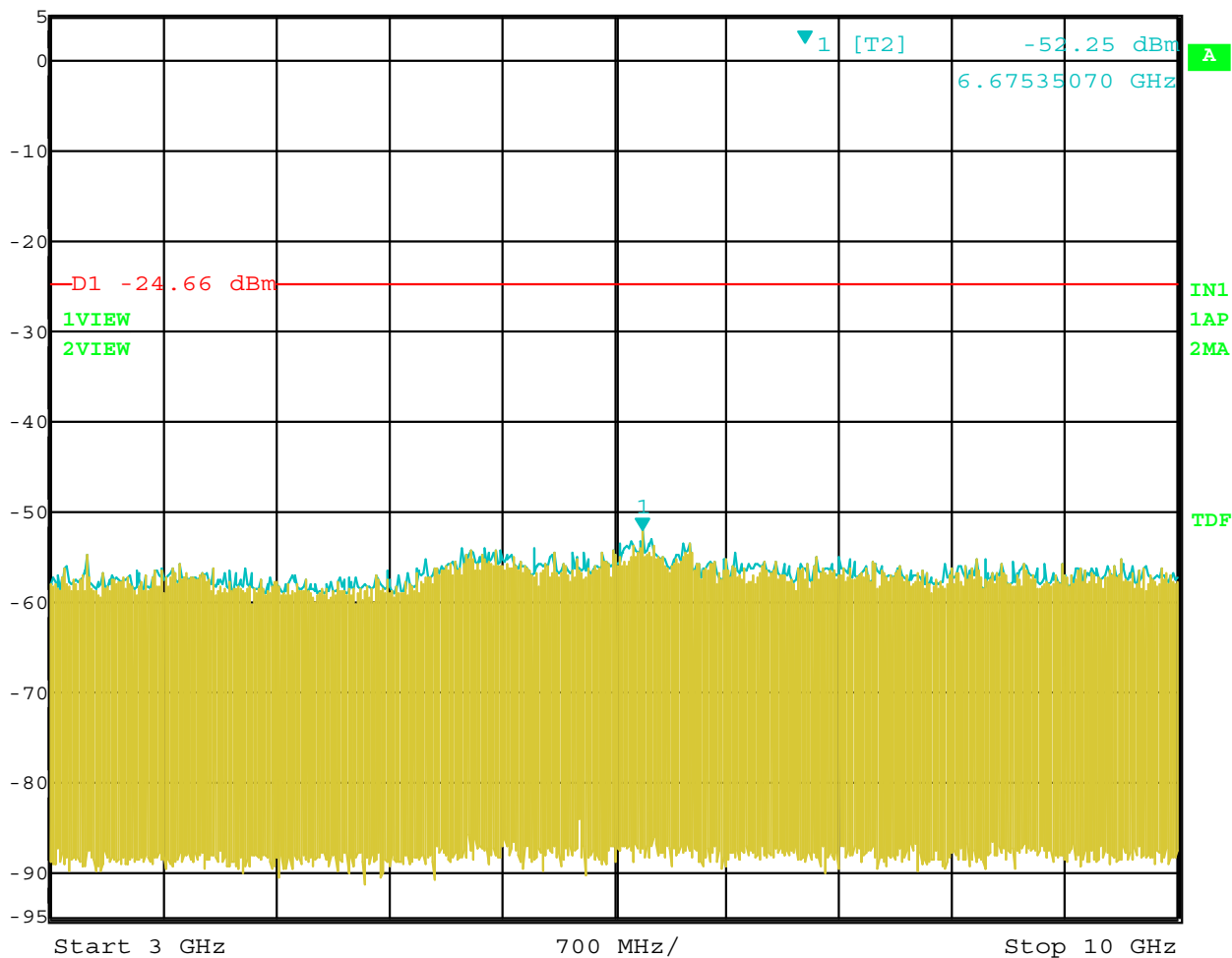


Date: 11.JUL.2008 10:30:34

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



Ref Lvl 5 dBm
Marker 1 [T2] -52.25 dBm
6.67535070 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

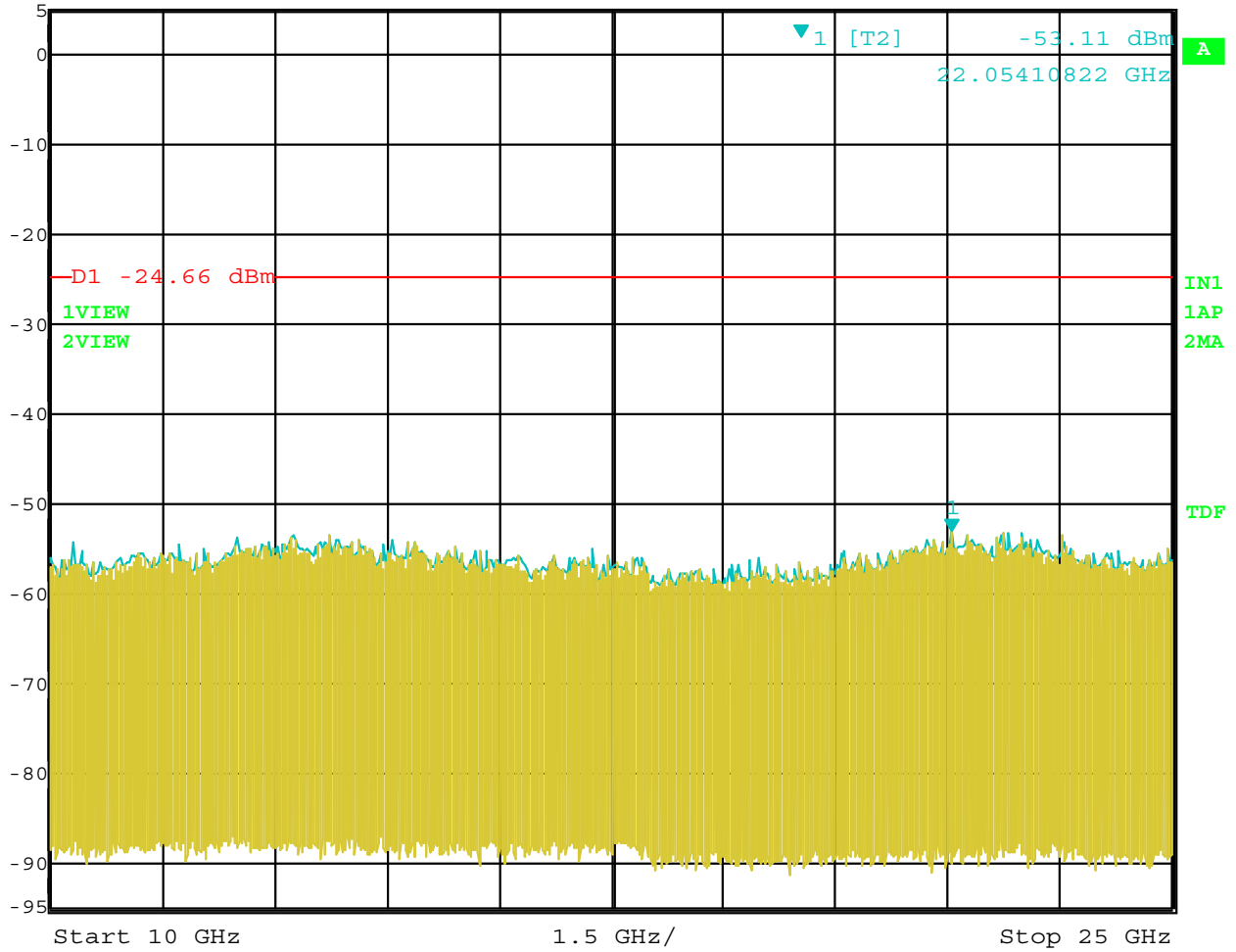


Date: 11.JUL.2008 10:31:26

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 2 – 3 GHz to 10 GHz



Ref Lvl 5 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-53.11 dBm VBW 300 kHz
22.05410822 GHz SWT 3.8 s Unit dBm

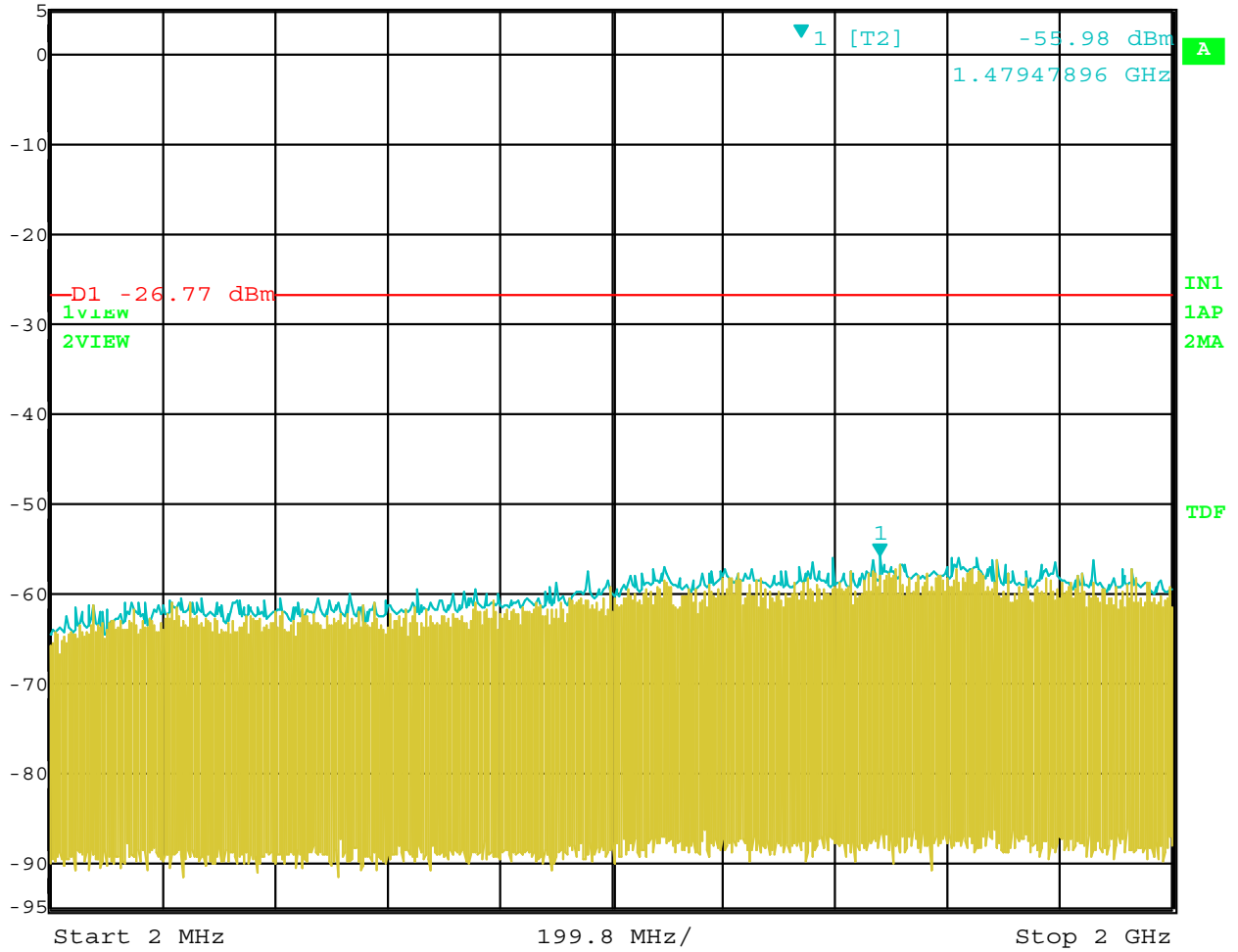


Date: 11.JUL.2008 10:32:13

RF Antenna Conducted Test – Low Channel – Announce Radio – Port 2 – 10 GHz to 25 GHz



Ref Lvl 5 dBm
Marker 1 [T2] -55.98 dBm
1.47947896 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 500 ms Unit dBm

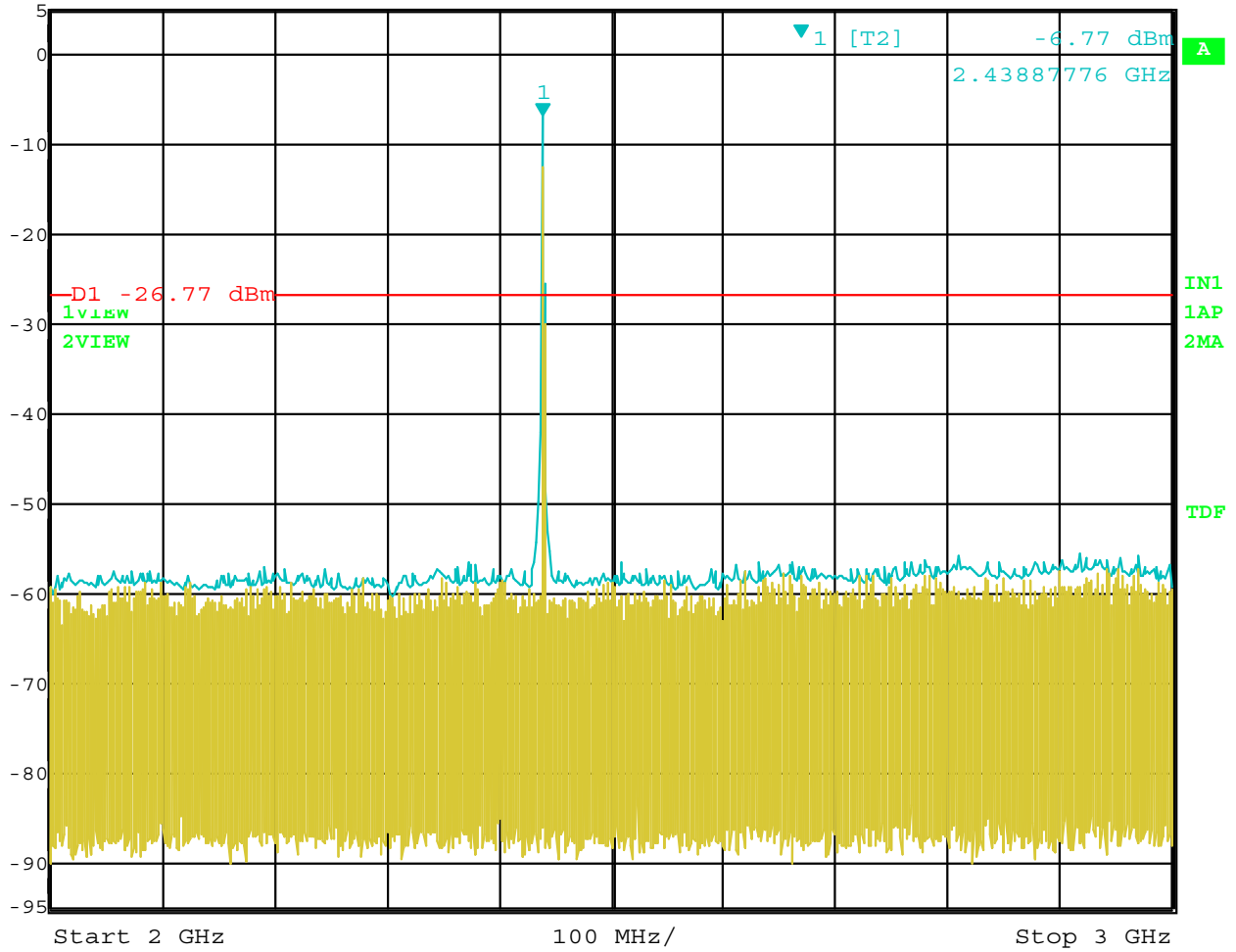


Date: 11.JUL.2008 10:40:56

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



Ref Lvl 5 dBm
Marker 1 [T2] -6.77 dBm
2.43887776 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 250 ms Unit dBm

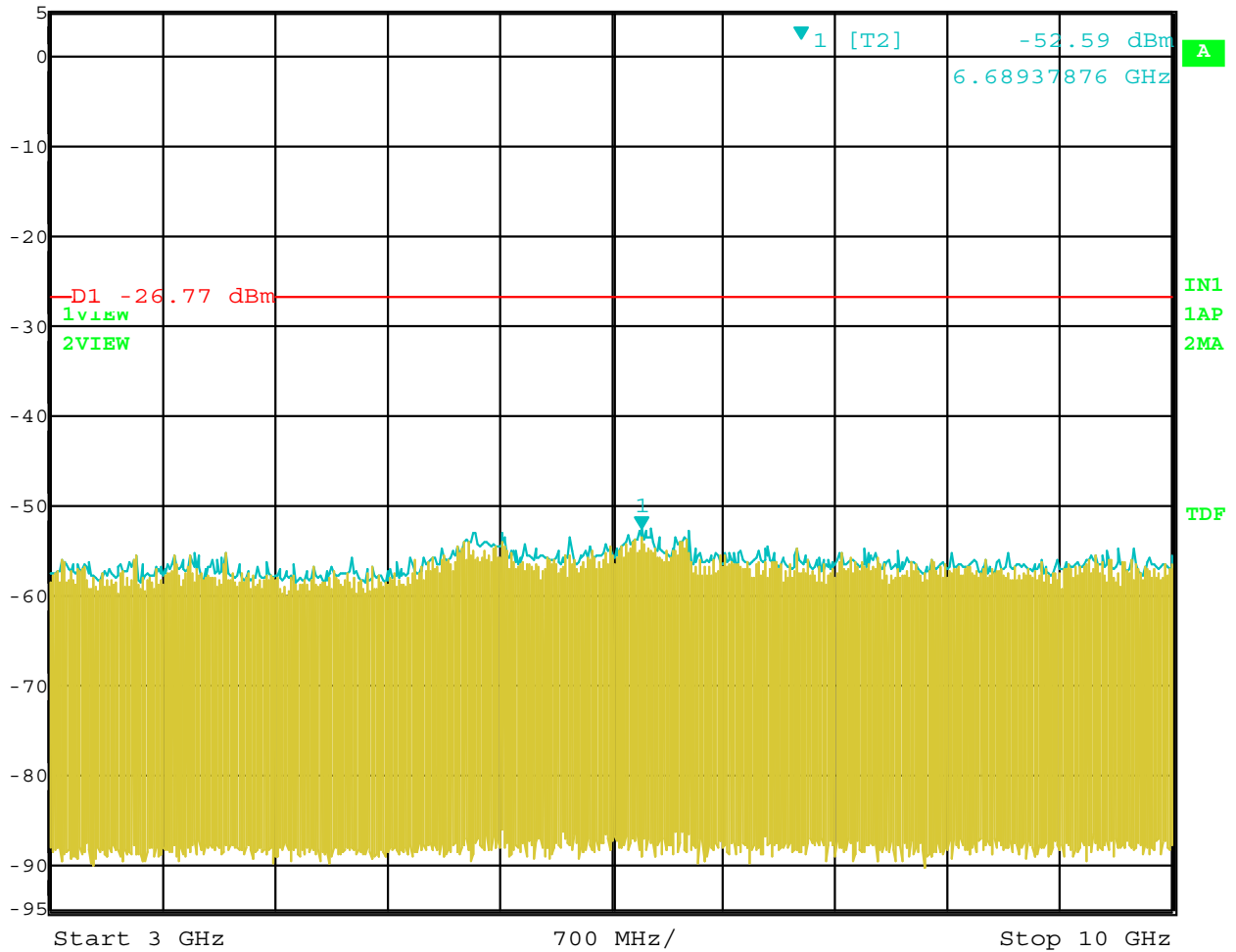


Date: 11.JUL.2008 10:40:32

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



Ref Lvl 5 dBm Marker 1 [T2] -52.59 dBm RBW 100 kHz RF Att 30 dB
6.68937876 GHz VBW 300 kHz Unit dBm
SWT 1.75 s

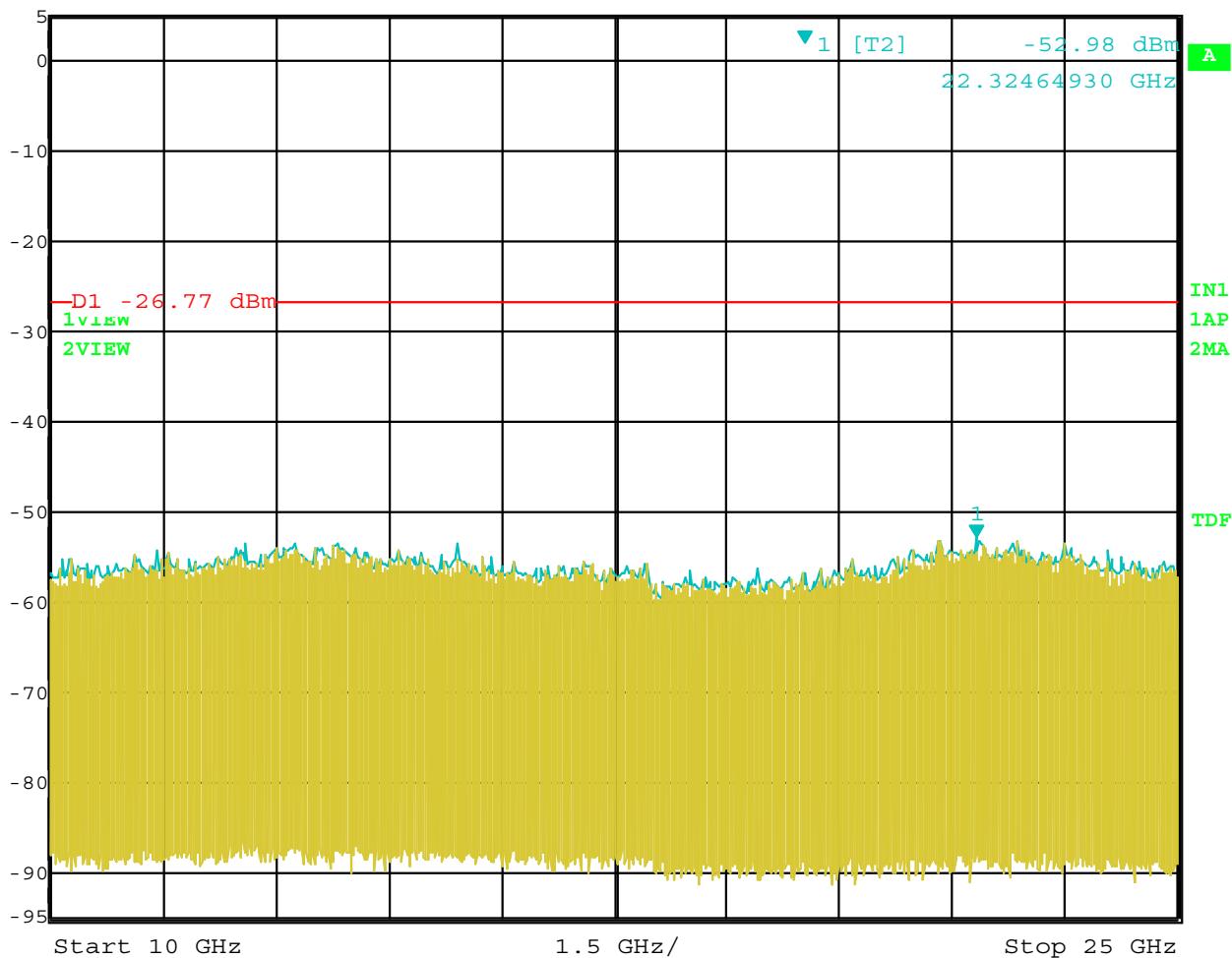


Date: 11.JUL.2008 10:42:35

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 2 – 3 GHz to 10 GHz



Ref Lvl 5 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-52.98 dBm VBW 300 kHz
22.32464930 GHz SWT 3.8 s Unit dBm

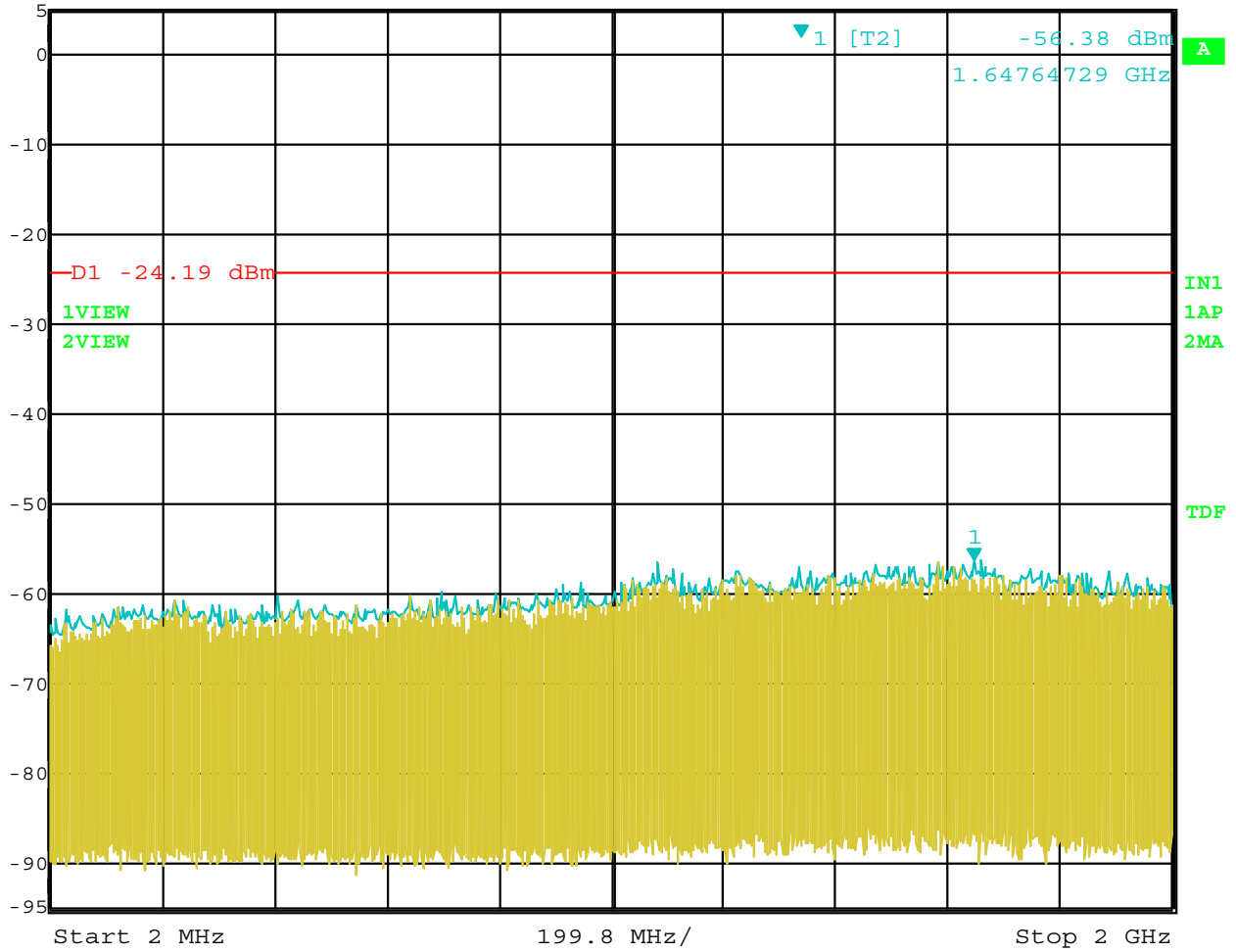


Date: 11.JUL.2008 10:43:11

RF Antenna Conducted Test – Middle Channel – Announce Radio – Port 2 – 10 GHz to 25 GHz



Ref Lvl 5 dBm
Marker 1 [T2] -56.38 dBm
1.64764729 GHz
RBW 100 kHz RF Att 30 dB
VBW 300 kHz
SWT 500 ms Unit dBm

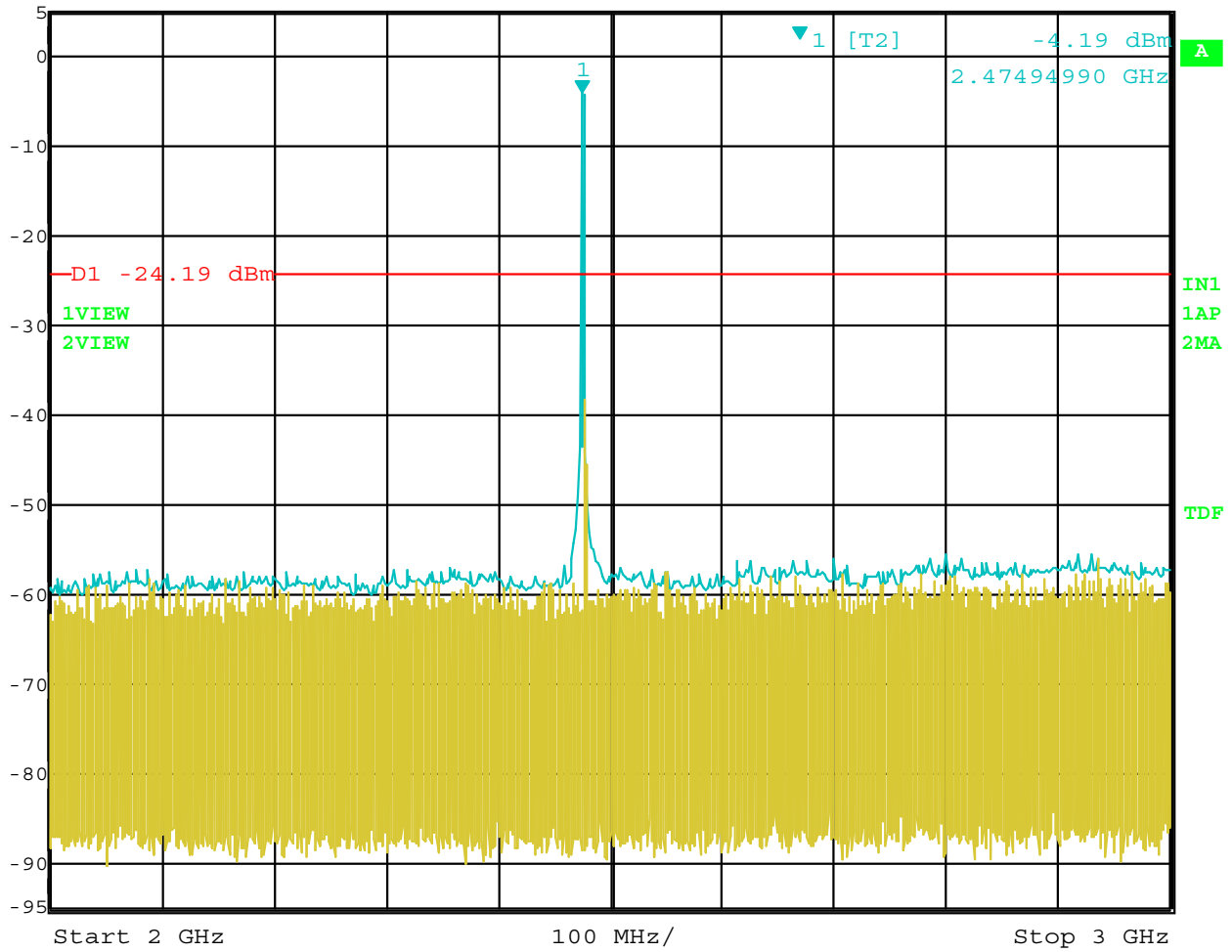


Date: 11.JUL.2008 10:50:21

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



Ref Lvl 5 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-4.19 dBm VBW 300 kHz
2.47494990 GHz SWT 250 ms Unit dBm

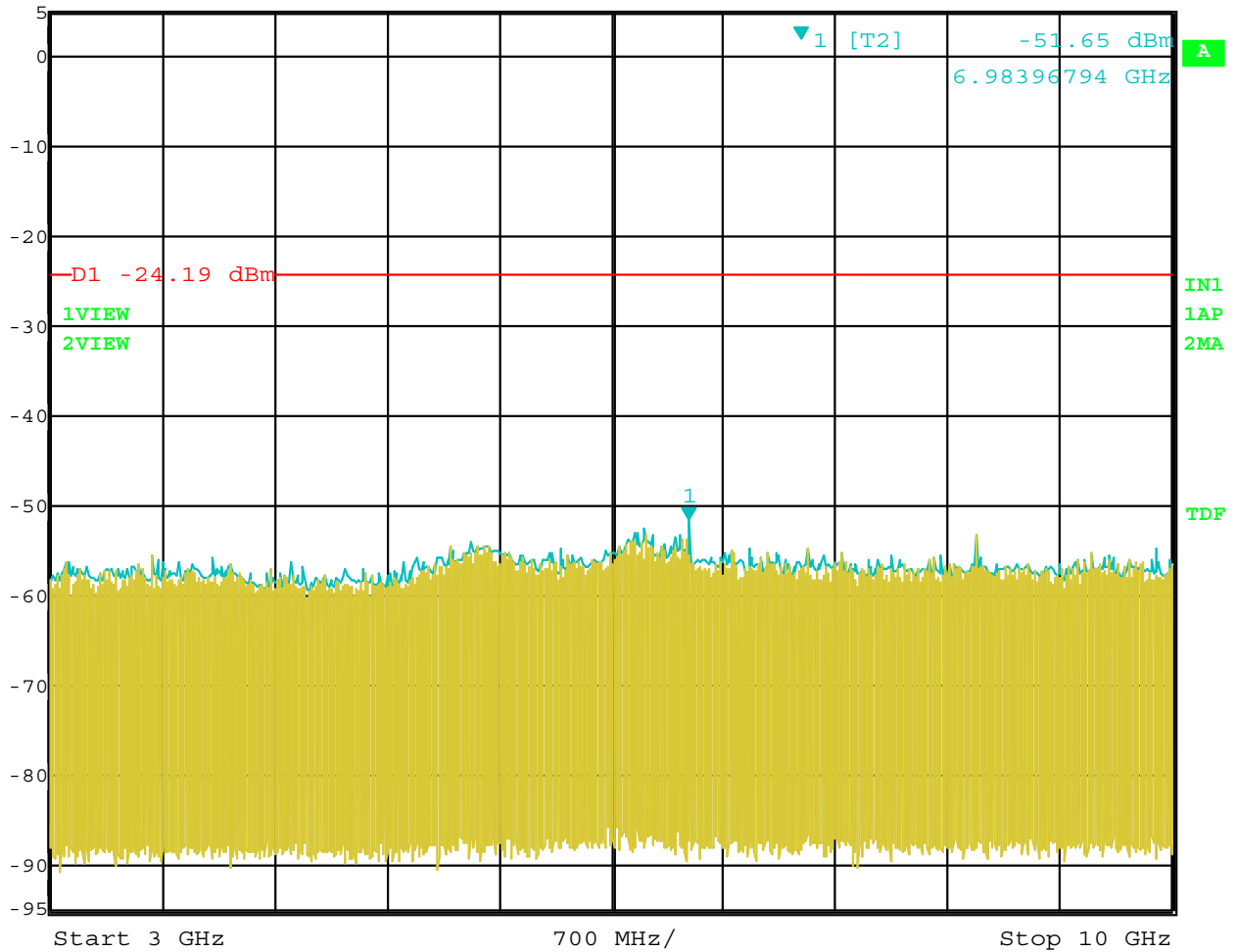


Date: 11.JUL.2008 10:49:59

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



Ref Lvl 5 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-51.65 dBm VBW 300 kHz
6.98396794 GHz SWT 1.75 s Unit dBm

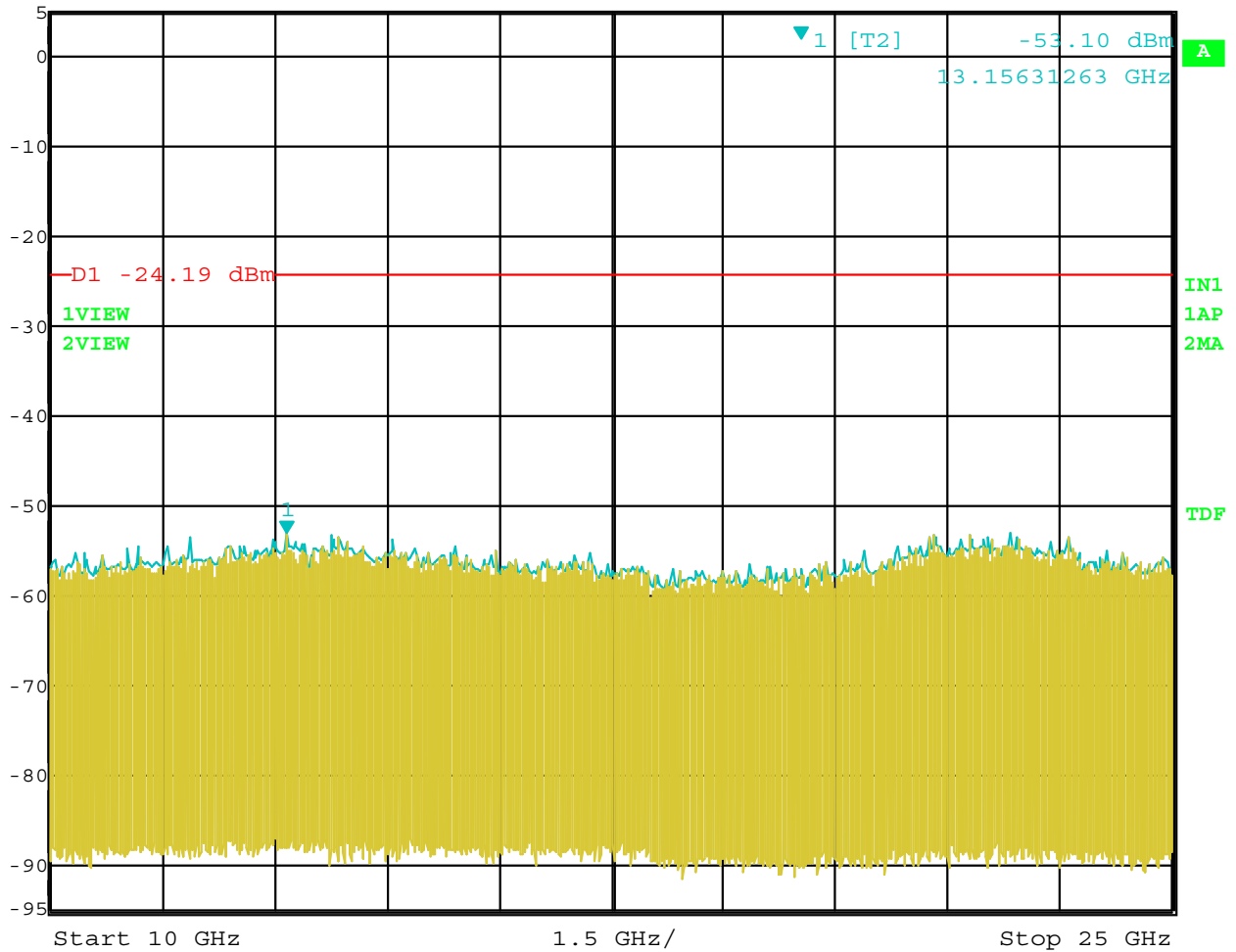


Date: 11.JUL.2008 10:51:38

RF Antenna Conducted Test – High Channel – Announce Radio – Port 2 – 3 GHz to 10 GHz



Ref Lvl 5 dBm Marker 1 [T2] RBW 100 kHz RF Att 30 dB
-53.10 dBm VBW 300 kHz
13.15631263 GHz SWT 3.8 s Unit dBm



Date: 11.JUL.2008 10:52:19

RF Antenna Conducted Test – High Channel – Announce Radio – Port 2 – 10 GHz to 25 GHz

BAND EDGES

DATA SHEETS

FCC 15.247

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

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

Band Edges - Data Radio (with Patch Antenna) set to be at nearest point to Announce Radio
Announce Radio with all Patch Antennas (Worst Case) - EUT in X-Axis (Worst Case)
Ant. Port #1 (Worst Case) at lower Band Edge due to its low channel being closest to Band Edge
Ant. Port #2 (Worst Case) at upper Band Edge due to having a higher power output
Ant. Port #1 and Ant. Port #2 both have the same frequency for the high channel

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402.79	101.2	V	--	--	Peak	1	180	Fundamental of Low Channel
2402.79	100.52	V	--	--	Avg	1	180	@ 3 Meters
2390	61.91	V	74	-12.09	Peak	1	180	Band Edge Low Channel
2390	36.74	V	54	-17.26	Avg	1	180	Band Edge Low Channel
2476.09	102.37	V	--	--	Peak	1.1	0	Fundamental of High Channel
2476.09	101.68	V	--	--	Avg	1.1	0	@ 3 Meters
2483.5	69.53	V	74	-4.47	Peak	1.1	0	Band Edge High Channel
2483.5	45.62	V	54	-8.38	Avg	1.1	0	Band Edge High Channel

FCC 15.247

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

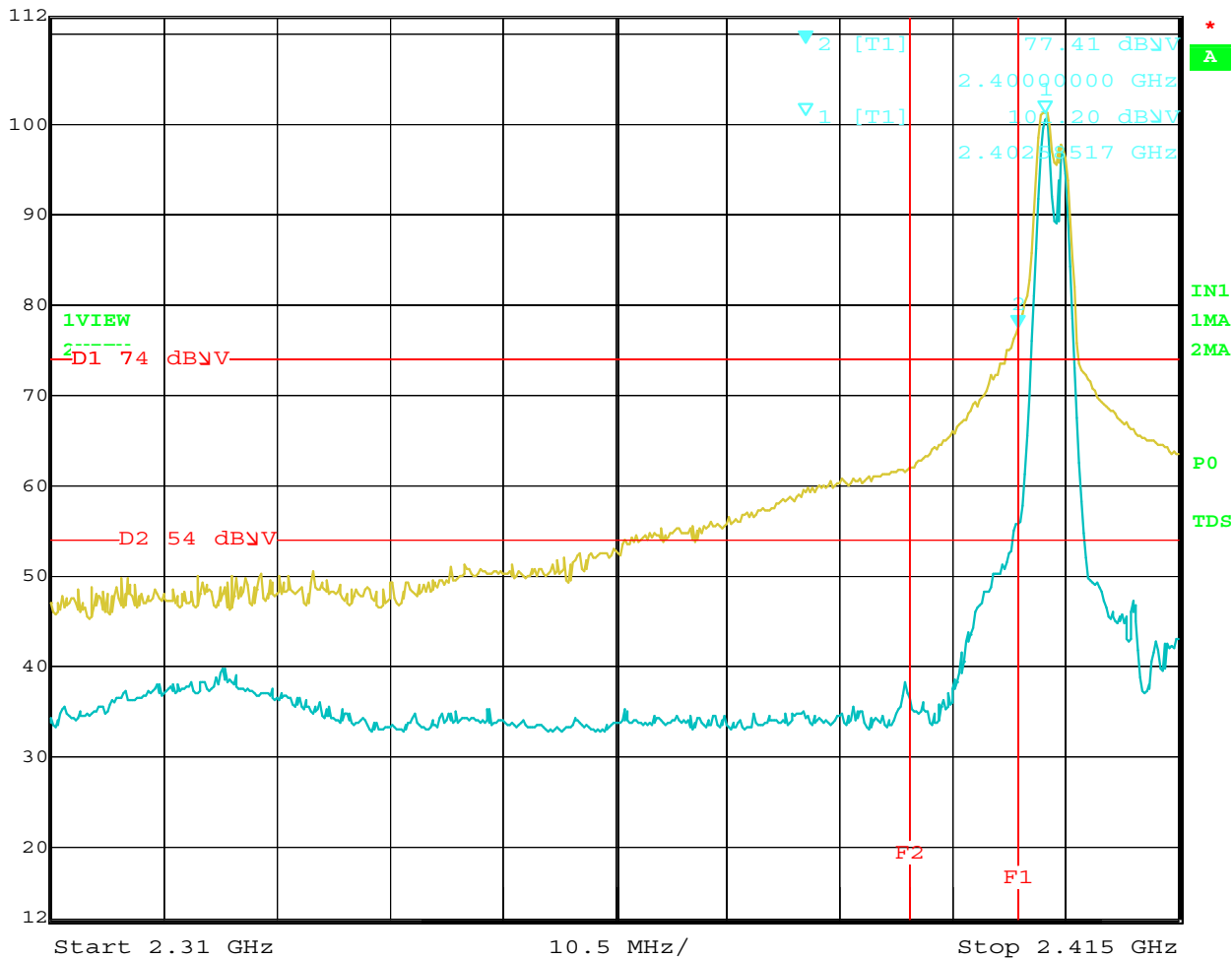
Date: 07/09/08
Lab: B
Tested By: Kyle Fujimoto

Band Edges - Data Radio (with Patch Antenna) set to be at nearest point to Announce Radio
Announce Radio with all Patch Antennas (Worst Case) - EUT in X-Axis (Worst Case)
Ant. Port #1 (Worst Case) at lower Band Edge due to its low channel being closest to Band Edge
Ant. Port #2 (Worst Case) at upper Band Edge due to having a higher power output
Ant. Port #1 and Ant. Port #2 both have the same frequency for the high channel

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402.37	85	H	--	--	Peak	1	225	Fundamental of Low Channel
2402.37	84.33	H	--	--	Avg	1	225	@ 3 Meters
2390	46.37	H	74	-27.63	Peak	1	225	Band Edge Low Channel
2390	29.59	H	54	-24.41	Avg	1	225	Band Edge Low Channel
2476.09	85.2	H	--	--	Peak	1.1	225	Fundamental of High Channel
2476.09	84.41	H	--	--	Peak	1.1	225	@ 3 Meters
2483.5	53.44	H	74	-20.56	Peak	1.1	225	Band Edge High Channel
2483.5	33.97	H	54	-20.03	Avg	1.1	225	Band Edge High Channel



Ref Lvl 112 dBV
Marker 2 [T1] 77.41 dBV
2.40000000 GHz
RBW 1 MHz
VBW 10 kHz
SWT 27 ms
RF Att 20 dB
Unit dBV

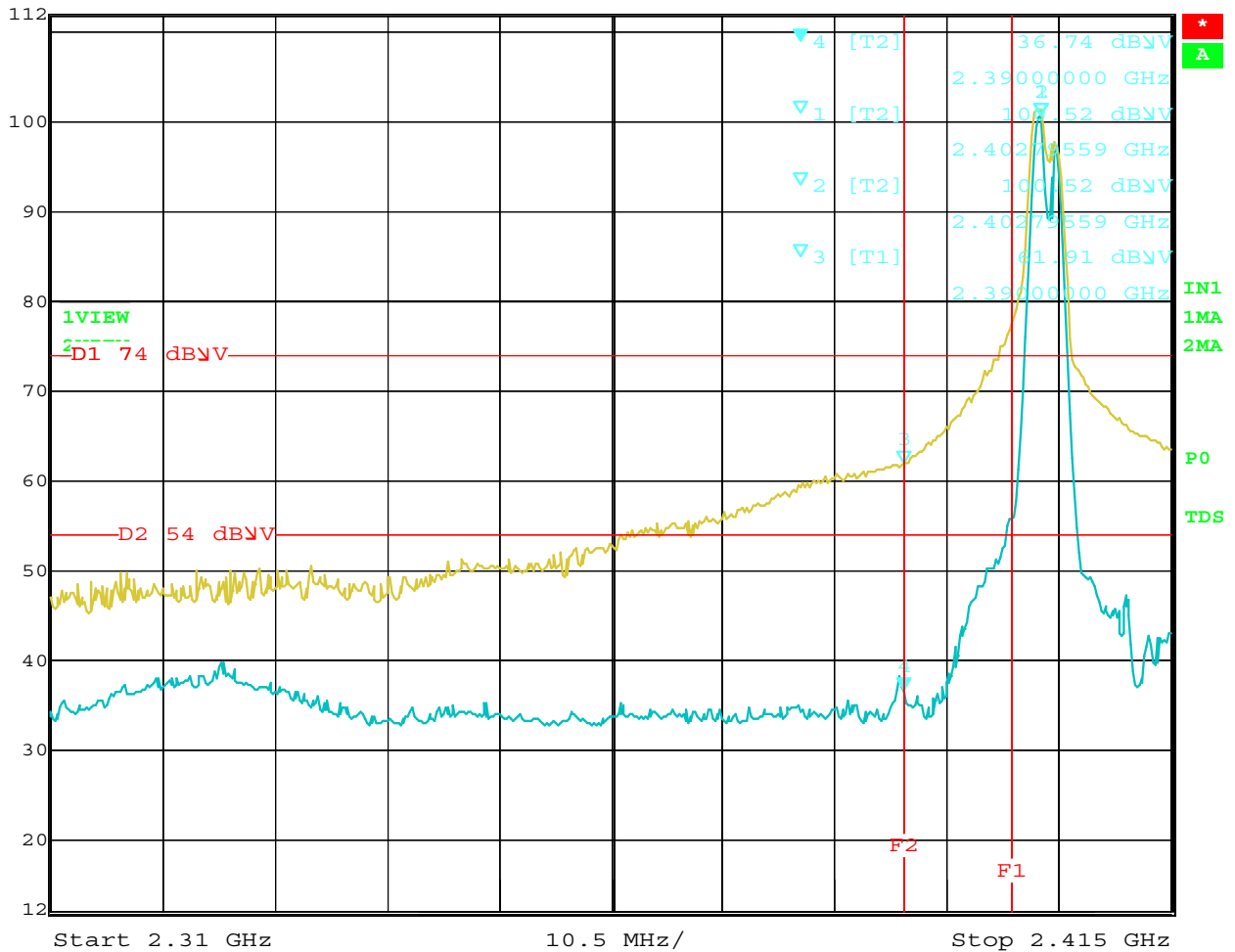


Date: 9.JUL.2008 09:40:57

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



Ref Lvl 112 dBV
Marker 4 [T2] 36.74 dBV
2.39000000 GHz
RBW 1 MHz
VBW 10 kHz
SWT 27 ms
RF Att 20 dB
Unit dBV

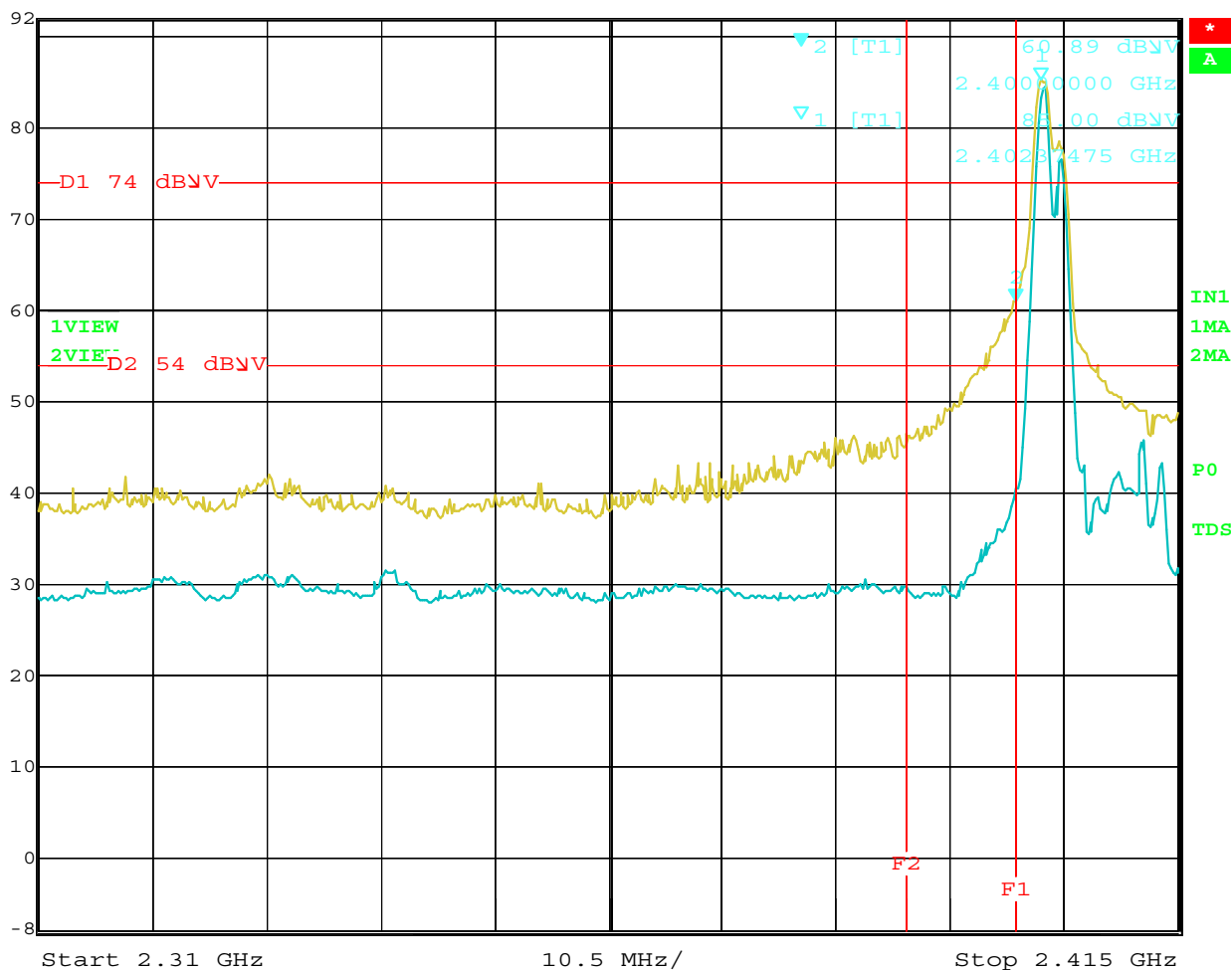


Date: 9.JUL.2008 09:40:21

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



Ref Lvl 92 dBμV
Marker 2 [T1] 60.89 dBμV
2.40000000 GHz
RBW 1 MHz
RF Att 0 dB
VBW 10 kHz
SWT 27 ms
Unit dBμV

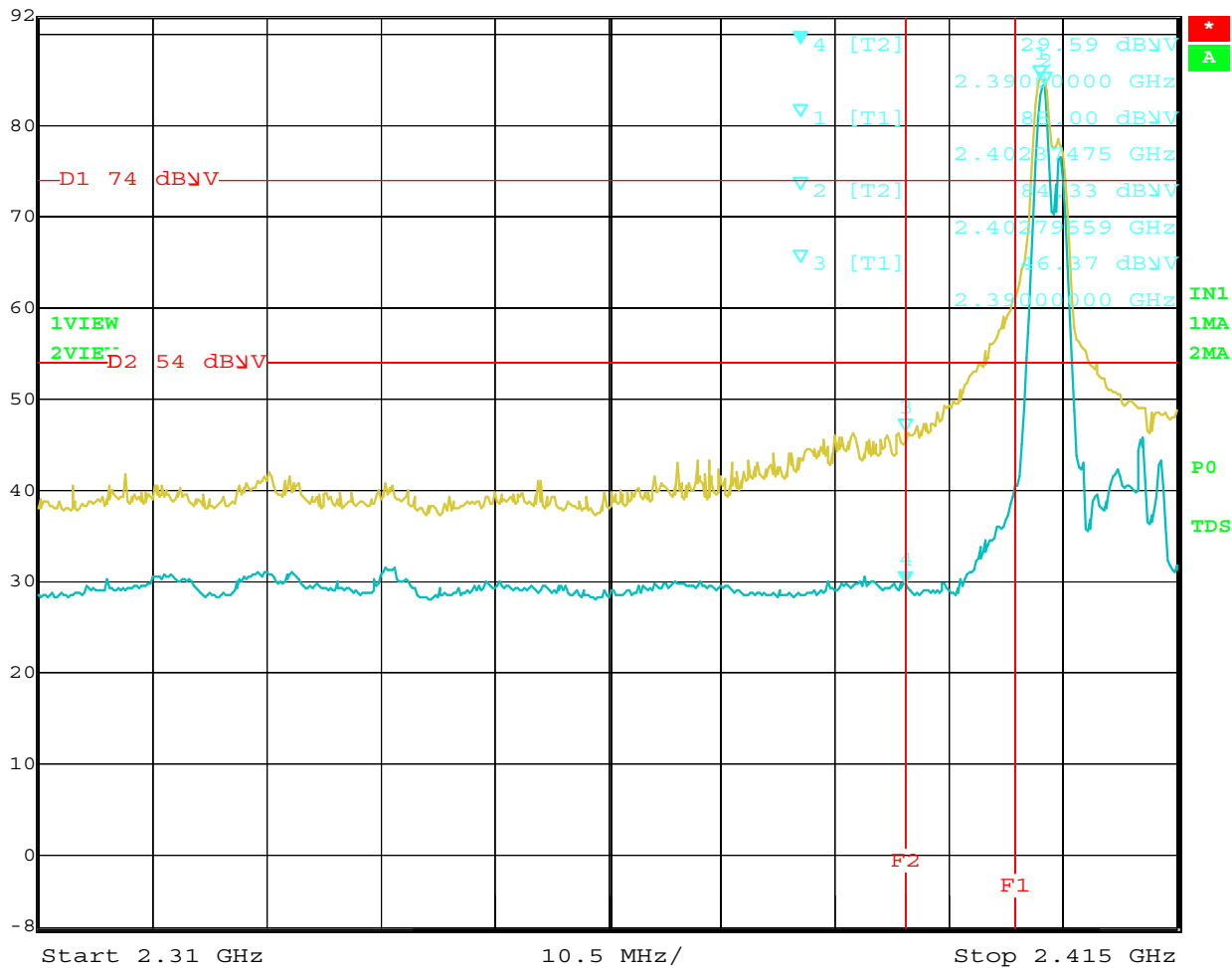


Date: 9.JUL.2008 09:28:16

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



Ref Lvl 92 dBV
Marker 4 [T2] 29.59 dBV
2.39000000 GHz
RBW 1 MHz
VBW 10 kHz
SWT 27 ms
RF Att 0 dB
Unit dBV

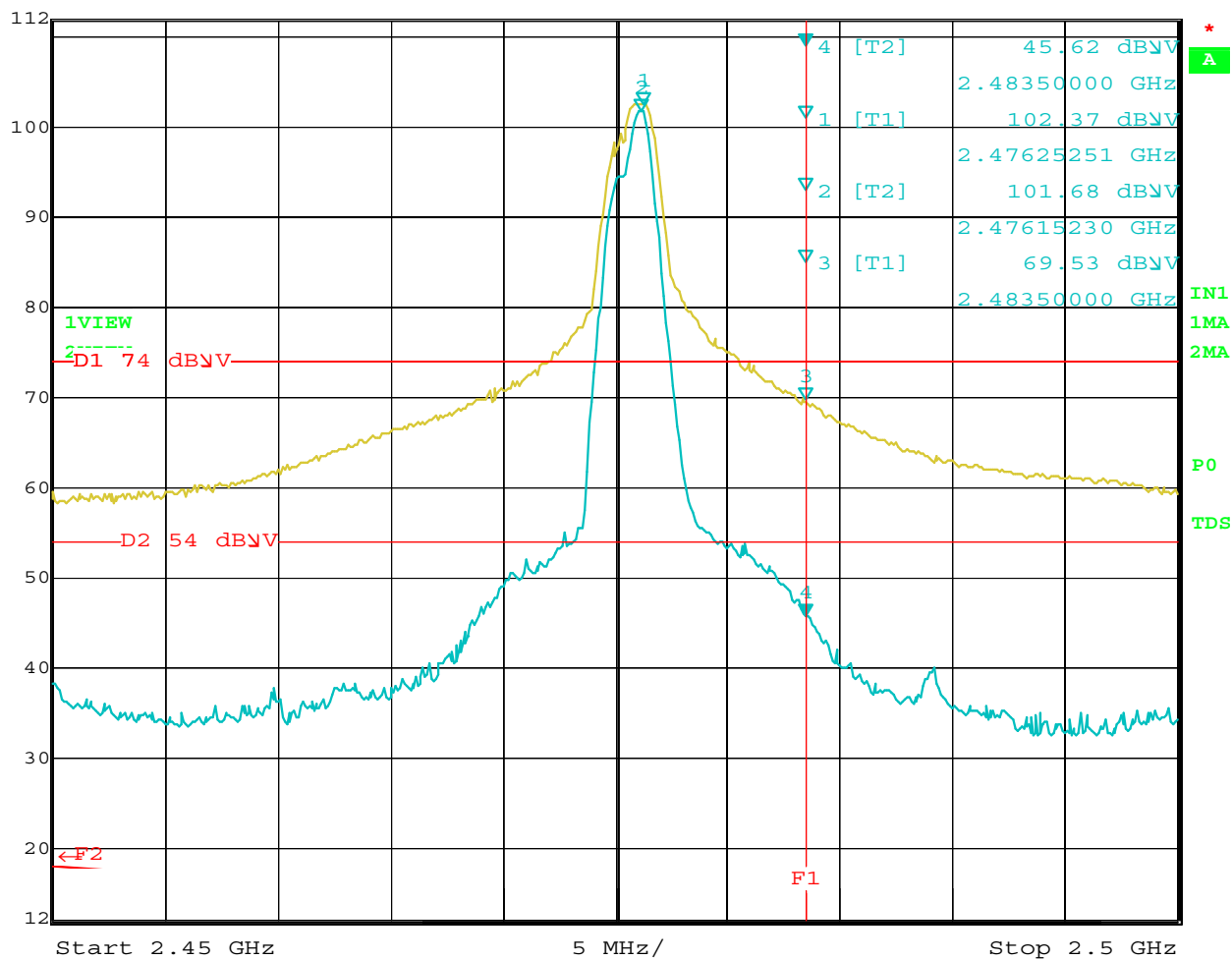


Date: 9.JUL.2008 09:27:53

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



Marker 4 [T2] RBW 1 MHz RF Att 20 dB
Ref Lvl 45.62 dBV VBW 10 kHz
112 dBV 2.48350000 GHz SWT 12.5 ms Unit dBV



Date: 9.JUL.2008 10:30:15

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

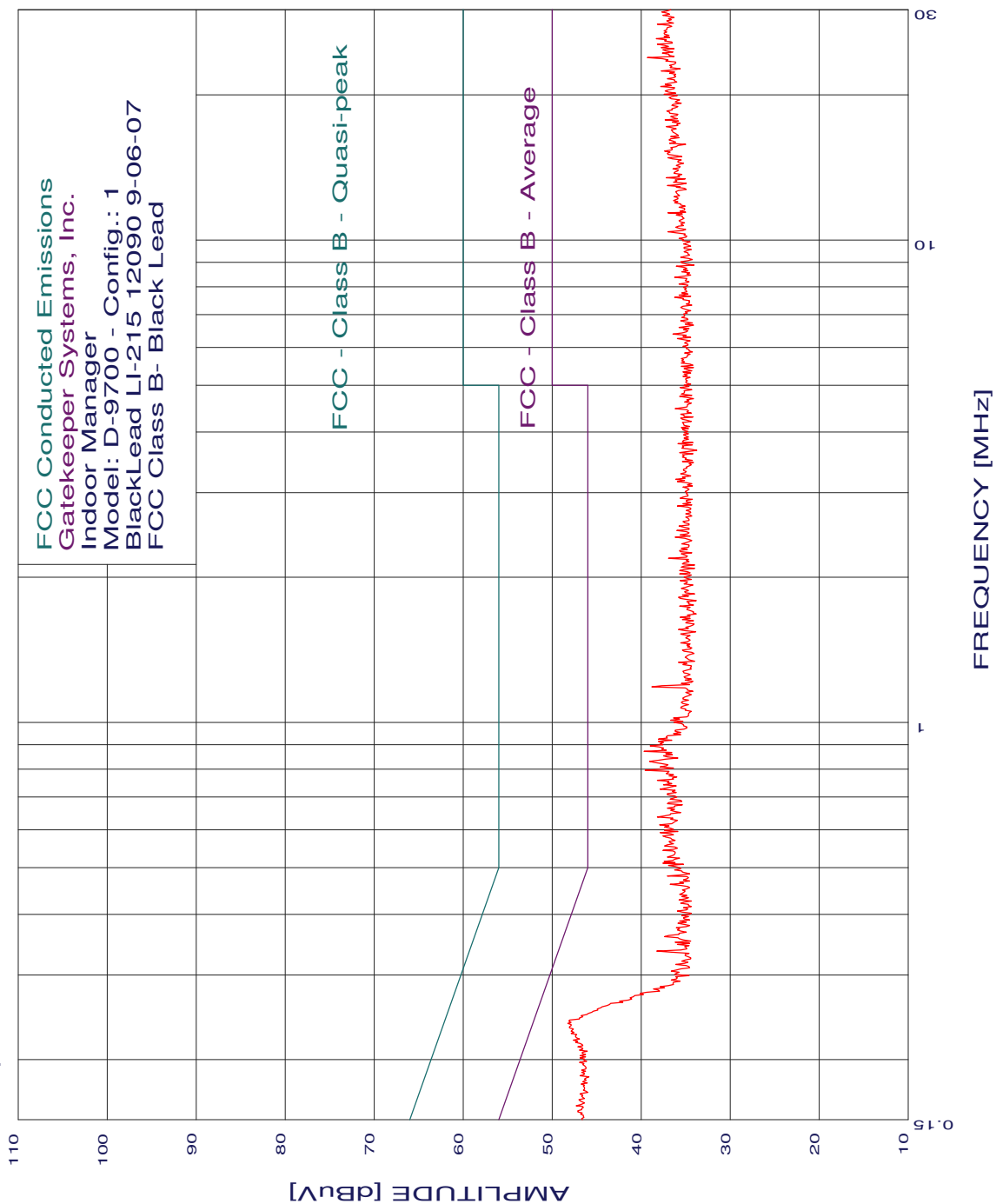
Band Edge – High Channel – Announce Radio – Horizontal Polarization
Configuration #13 (Worst Case)

CONDUCTED EMISSIONS

DATA SHEETS

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

7/15/2008 14:13:56





**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

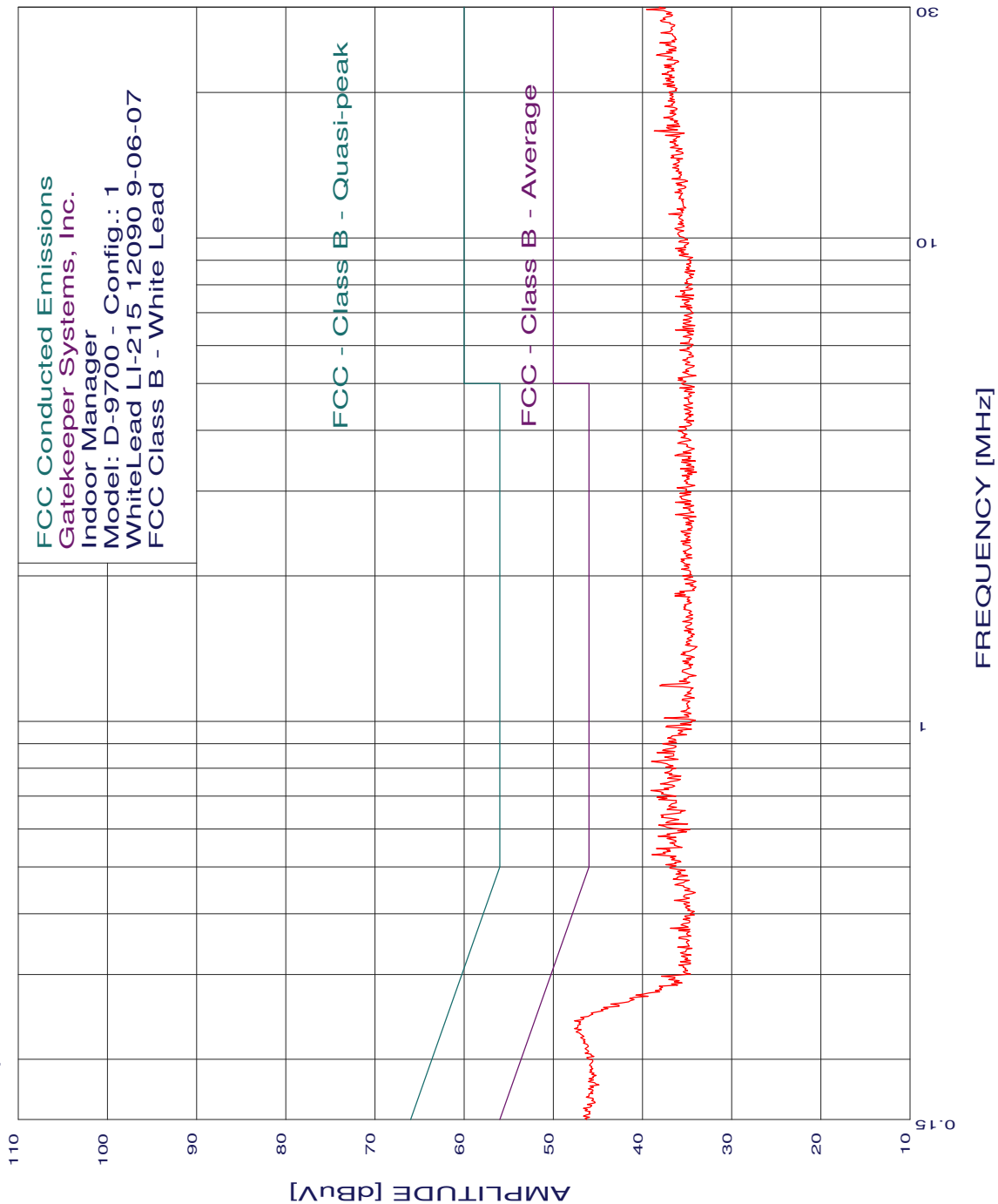
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

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

7/15/2008 14:17:18

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





**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

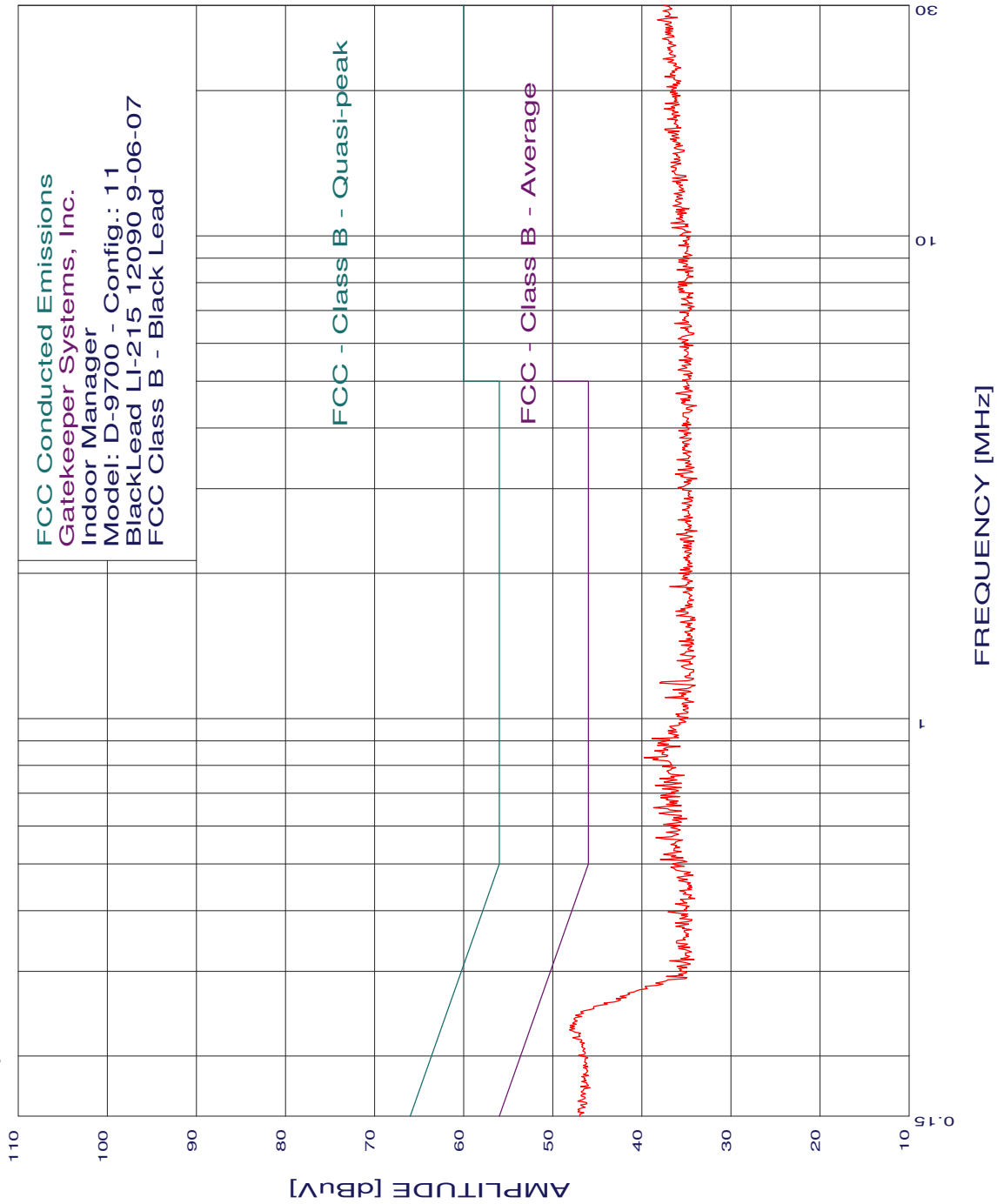
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

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

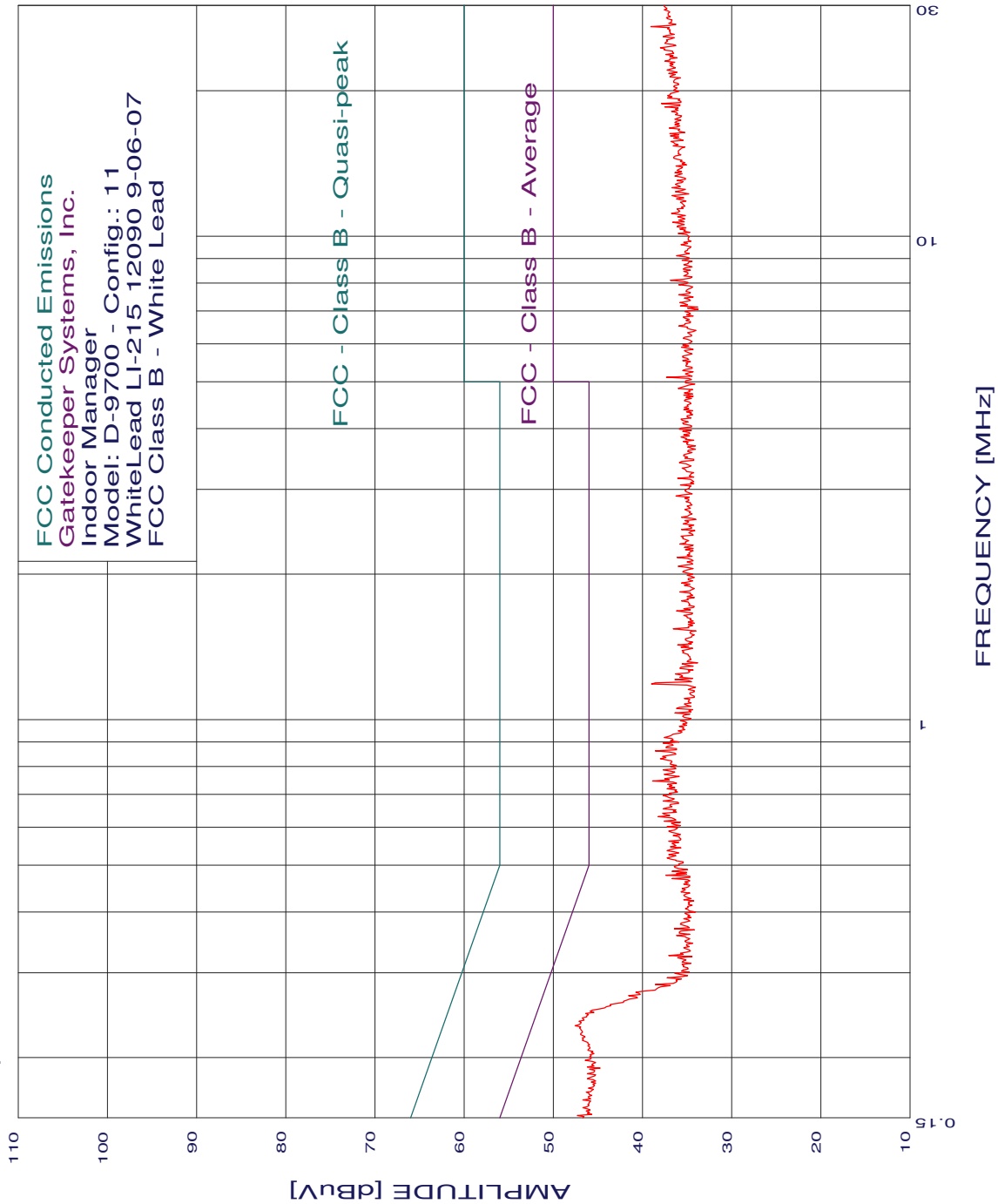
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

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

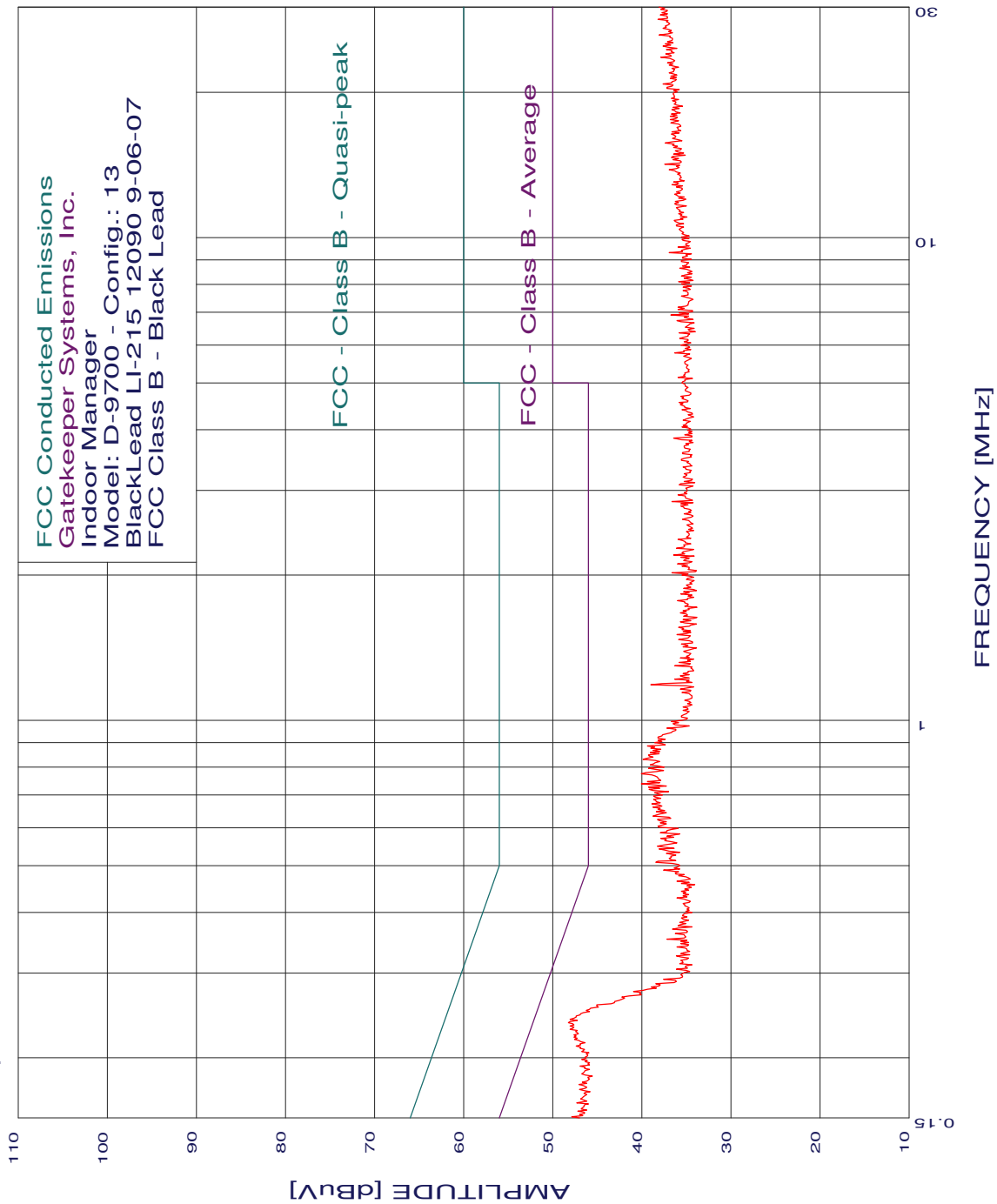
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

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

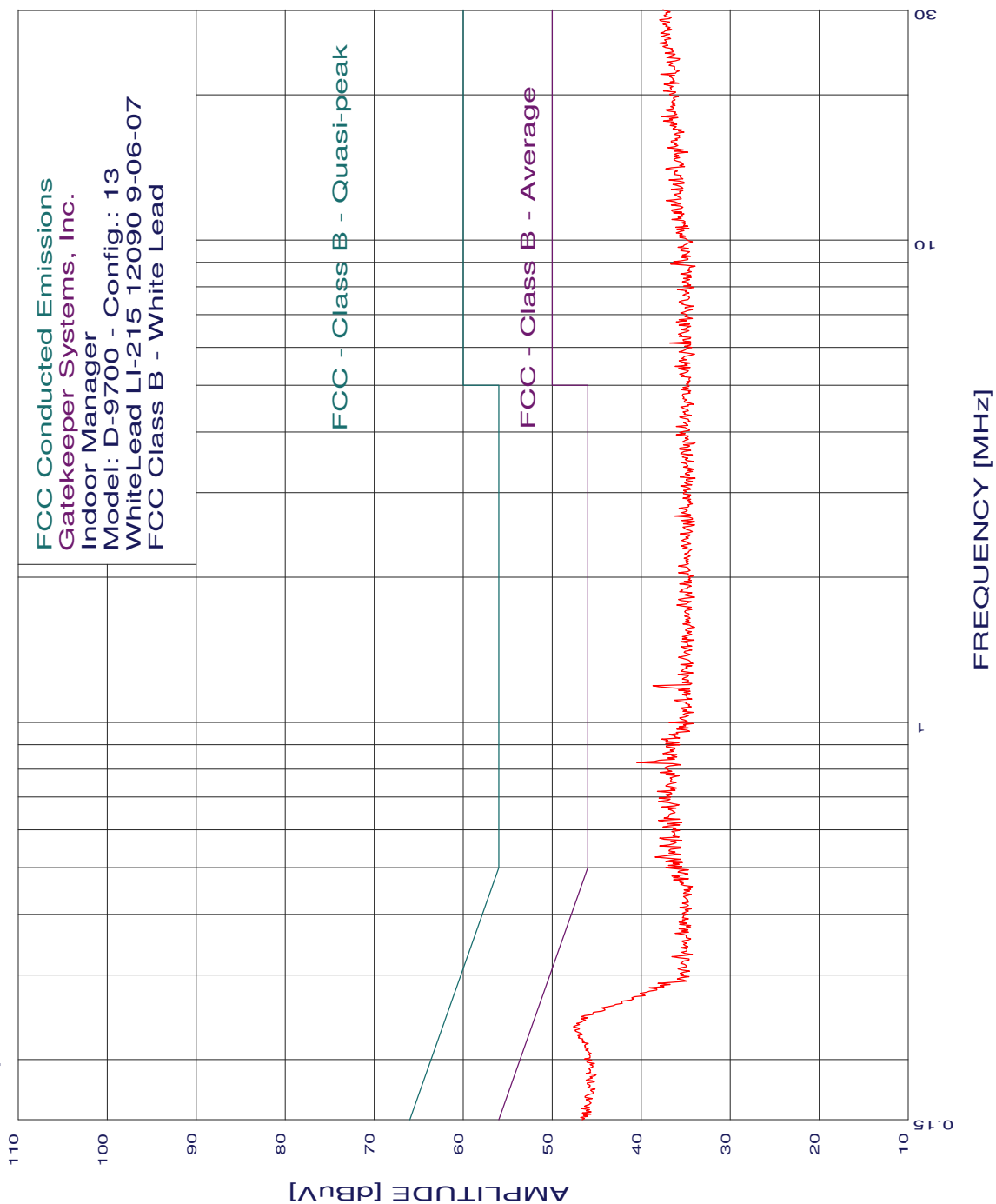
48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

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
