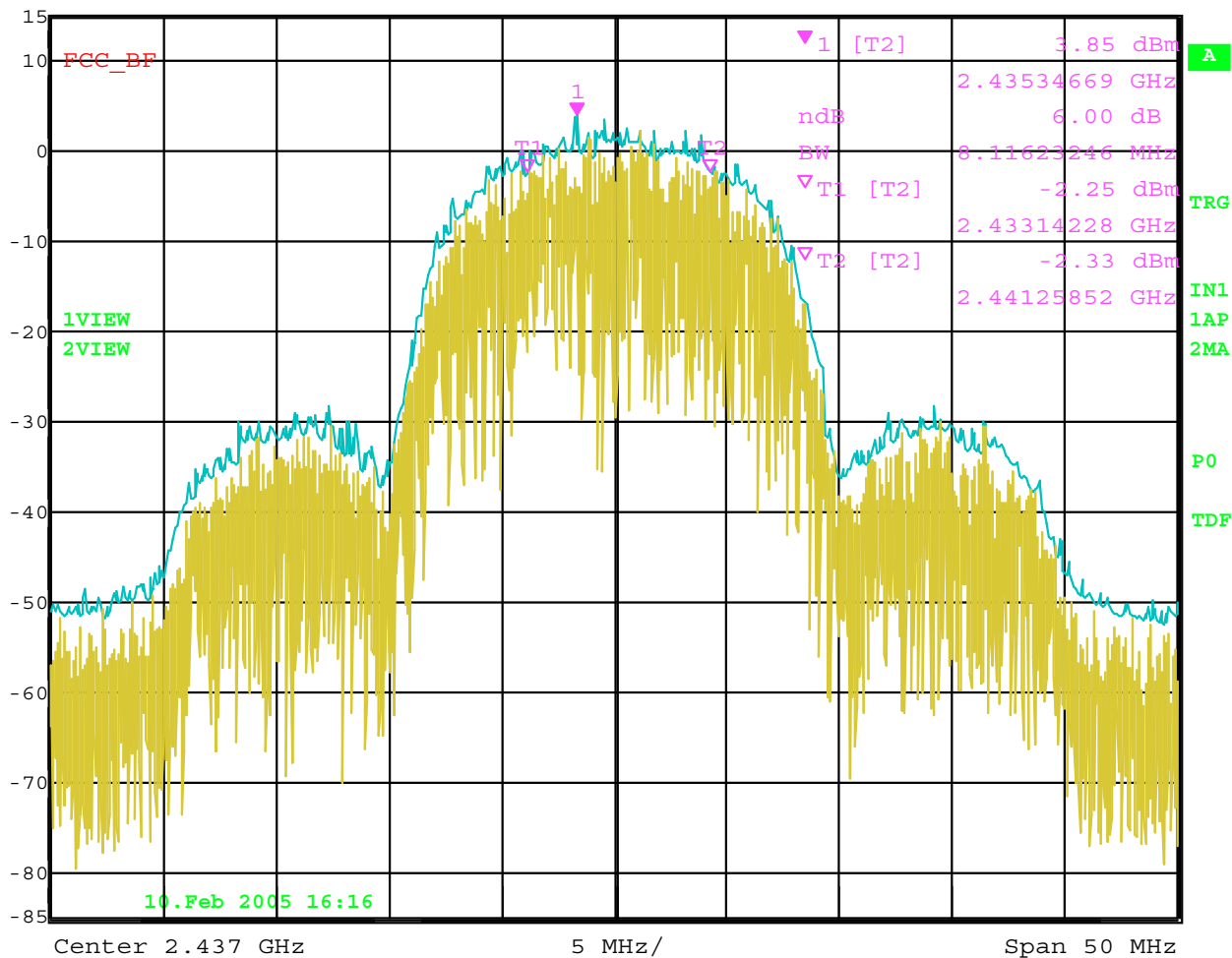




Ref Lvl 15 dBm Marker 1 [T2 ndB] 6.00 dB RBW 100 kHz RF Att 40 dB
BW 8.11623246 MHz VBW 300 kHz Unit dBm
SWT 12.5 ms



Date: 10.FEB.2005 16:16:05

-6 dB Bandwidth – Channel 6

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS for the TRANSMITTER PORTION

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	41.38	V	74	-32.62	Peak	2.31	225	
4824	33.58	V	54	-20.42	Avg	2.31	225	
7236	40.26	V	74	-33.74	Peak	2.31	180	
7236	28.75	V	54	-25.25	Avg	2.31	180	
9648	49.09	V	--	--	Peak	1.45	225	Not in Restricted Band
9648	34.49	V	--	--	Avg	1.45	225	Not in Restricted Band
12060	49.21	V	74	-24.79	Peak	1.45	225	
12060	36.28	V	54	-17.72	Avg	1.45	225	
14472	51.18	V	74	-22.82	Peak	1.45	315	
14472	38.3	V	54	-15.7	Avg	1.45	315	
16884	50.54	V	--	--	Peak	1.45	225	Not in Restricted Band
16884	37.83	V	--	--	Avg	1.45	225	Not in Restricted Band
19296		V	74	-74	Peak			No Emissions
19296		V	54	-54	Avg			Detected
21708		V	--	--	Peak			No Emissions
21708		V	--	--	Avg			Detected
24120		V	--	--	Peak			No Emissions
24120		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	41.27	H	74	-32.73	Peak	2.64	315	
4824	31.96	H	54	-22.04	Avg	2.64	315	
7236	43.86	H	74	-30.14	Peak	2.64	45	
7236	28.95	H	54	-25.05	Avg	2.64	45	
9648	48.39	H	--	--	Peak	1.84	180	Not in Restricted Band
9648	36.7	H	--	--	Avg	1.84	180	Not in Restricted Band
12060	49.28	H	74	-24.72	Peak	1.84	45	
12060	36.45	H	54	-17.55	Avg	1.84	45	
14472	51.16	H	74	-22.84	Peak	2.06	225	
14472	38.35	H	54	-15.65	Avg	2.06	225	
16884	50.56	H	--	--	Peak	2.06	270	Not in Restricted Band
16884	37.75	H	--	--	Avg	2.06	270	Not in Restricted Band
19296		H	74	-74	Peak			No Emissions
19296		H	54	-54	Avg			Detected
21708		H	--	--	Peak			No Emissions
21708		H	--	--	Avg			Detected
24120		H	--	--	Peak			No Emissions
24120		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	41.61	V	74	-32.39	Peak	1.75	180	
4824	34.21	V	54	-19.79	Avg	1.75	180	
7236	41.51	V	74	-32.49	Peak	2.17	225	
7236	28.78	V	54	-25.22	Avg	2.17	225	
9648	46.28	V	--	--	Peak	1.88	225	Not in Restricted Band
9648	33.83	V	--	--	Avg	1.88	225	Not in Restricted Band
12060	48.78	V	74	-25.22	Peak	1.65	180	
12060	36.24	V	54	-17.76	Avg	1.65	180	
14472	51.11	V	74	-22.89	Peak	1.88	180	
14472	38.39	V	54	-15.61	Avg	1.88	180	
16884	51.32	V	--	--	Peak	1.87	270	
16884	37.85	V	--	--	Avg	1.87	270	
19296		V	74	-74	Peak			No Emissions
19296		V	54	-54	Avg			Detected
21708		V	--	--	Peak			No Emissions
21708		V	--	--	Avg			Detected
24120		V	--	--	Peak			No Emissions
24120		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	42.36	H	74	-31.64	Peak	1.68	225	
4824	35.35	H	54	-18.65	Avg	1.68	225	
7236	43.25	H	74	-30.75	Peak	1.68	225	
7236	31.36	H	54	-22.64	Avg	1.68	225	
9648	48.35	H	--	--	Peak	2.45	225	Not in Restricted Band
9648	35.34	H	--	--	Avg	2.45	225	Not in Restricted Band
12060	51.52	H	74	-22.48	Peak	2.45	225	
12060	38.98	H	54	-15.02	Avg	2.45	225	
14472	53.26	H	74	-20.74	Peak	1.78	180	
14472	39.54	H	54	-14.46	Avg	1.78	180	
16884		H	--	--	Peak			No Emissions
16884		H	--	--	Avg			Detected
19296		H	74	-74	Peak			No Emissions
19296		H	54	-54	Avg			Detected
21708		H	--	--	Peak			No Emissions
21708		H	--	--	Avg			Detected
24120		H	--	--	Peak			No Emissions
24120		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	40.89	V	74	-33.11	Peak	1.68	225	
4824	33.17	V	54	-20.83	Avg	1.68	225	
7236	41.35	V	74	-32.65	Peak	1.68	225	
7236	29.05	V	54	-24.95	Avg	1.68	225	
9648	46.38	V	--	--	Peak	2.45	225	Not in Restricted Band
9648	33.58	V	--	--	Avg	2.45	225	Not in Restricted Band
12060	49.43	V	74	-24.57	Peak	2.45	225	
12060	36.25	V	54	-17.75	Avg	2.45	225	
14472	52.82	V	74	-21.18	Peak	1.78	180	
14472	38.29	V	54	-15.71	Avg	1.78	180	
16884		V	--	--	Peak			No Emissions
16884		V	--	--	Avg			Detected
19296		V	74	-74	Peak			No Emissions
19296		V	54	-54	Avg			Detected
21708		V	--	--	Peak			No Emissions
21708		V	--	--	Avg			Detected
24120		V	--	--	Peak			No Emissions
24120		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 1****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4824	40.23	H	74	-33.77	Peak	2.52	225	
4824	31.86	H	54	-22.14	Avg	2.52	225	
7236	41.92	H	74	-32.08	Peak	2.52	135	
7236	28.79	H	54	-25.21	Avg	2.52	135	
9648	48.66	H	--	--	Peak	1.83	135	Not in Restricted Band
9648	33.97	H	--	--	Avg	1.83	135	Not in Restricted Band
12060	48.88	H	74	-25.12	Peak	1.83	180	
12060	36.27	H	54	-17.73	Avg	1.83	180	
14472	52.34	H	74	-21.66	Peak	1.83	180	
14472	38.28	H	54	-15.72	Avg	1.83	180	
16884	50.78	H	--	--	Peak	1.83	270	Not in Restricted Band
16884	37.73	H	--	--	Avg	1.83	270	Not in Restricted Band
19296		H	74	-74	Peak			No Emissions
19296		H	54	-54	Avg			Detected
21708		H	--	--	Peak			No Emissions
21708		H	--	--	Avg			Detected
24120		H	--	--	Peak			No Emissions
24120		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	40.52	V	74	-33.48	Peak	1.49	180	
4874	30.18	V	54	-23.82	Avg	1.49	180	
7311	42.02	V	74	-31.98	Peak	1.49	225	
7311	29.54	V	54	-24.46	Avg	1.49	225	
9748	48.41	V	--	--	Peak	2.05	270	Not in Restricted Band
9748	34.04	V	--	--	Avg	2.05	270	Not in Restricted Band
12185	50.03	V	74	-23.97	Peak	2.05	180	
12185	35.95	V	54	-18.05	Avg	2.05	180	
14622	50.28	V	--	--	Peak	2.05	315	Not in Restricted Band
14622	37.89	V	--	--	Avg	2.05	315	Not in Restricted Band
17059		V	--	--	Peak			No Emission
17059		V	--	--	Avg			Detected
19496		V	74	-74	Peak			No Emissions
19496		V	54	-54	Avg			Detected
21933		V	--	--	Peak			No Emissions
21933		V	--	--	Avg			Detected
22001		V	74	-74	Peak			No Emissions
22001		V	54	-54	Avg			Detected
24370		V	--	--	Peak			No Emissions
24370		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	40.12	H	74	-33.88	Peak	2.95	225	
4874	25.12	H	54	-28.88	Avg	2.95	225	
7311	42.78	H	74	-31.22	Peak	2.95	225	
7311	30.07	H	54	-23.93	Avg	2.95	225	
9748	46.08	H	--	--	Peak	2.95	270	Not in Restricted Band
9748	33.64	H	--	--	Avg	2.95	270	Not in Restricted Band
12185	49.99	H	74	-24.01	Peak	2.95	180	
12185	36.72	H	54	-17.28	Avg	2.95	180	
14622	51.89	H	--	--	Peak	2.95	225	Not in Restricted Band
14622	39.1	H	--	--	Avg	2.95	225	Not in Restricted Band
17059		H	--	--	Peak			No Emission
17059		H	--	--	Avg			Detected
19496		H	74	-74	Peak			No Emissions
19496		H	54	-54	Avg			Detected
21933		H	--	--	Peak			No Emissions
21933		H	--	--	Avg			Detected
22001		H	74	-74	Peak			No Emissions
22001		H	54	-54	Avg			Detected
24370		H	--	--	Peak			No Emissions
24370		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	40.75	V	74	-33.25	Peak	2.38	225	
4874	26.81	V	54	-27.19	Avg	2.38	225	
7311	42.3	V	74	-31.7	Peak	2.38	225	
7311	29.03	V	54	-24.97	Avg	2.38	225	
9748	46.38	V	--	--	Peak	1.98	180	Not in Restricted Band
9748	35.88	V	--	--	Avg	1.98	180	Not in Restricted Band
12185	48.47	V	74	-25.53	Peak	1.98	225	
12185	35.83	V	54	-18.17	Avg	1.98	225	
14622	52.88	V	--	--	Peak	1.98	225	Not in Restricted Band
14622	37.95	V	--	--	Avg	1.98	225	Not in Restricted Band
17059	49.69	V	--	--	Peak	1.98	225	Not in Restricted Band
17059	37.89	V	--	--	Avg	1.98	225	Not in Restricted Band
19496		V	74	-74	Peak			No Emissions
19496		V	54	-54	Avg			Detected
21933		V	--	--	Peak			No Emissions
21933		V	--	--	Avg			Detected
22001		V	74	-74	Peak			No Emissions
22001		V	54	-54	Avg			Detected
24370		V	--	--	Peak			No Emissions
24370		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	38.38	H	74	-35.62	Peak	2.17	225	
4874	25.48	H	54	-28.52	Avg	2.17	225	
7311	42.85	H	74	-31.15	Peak	1.74	135	
7311	30	H	54	-24	Avg	1.74	135	
9748	47.31	H	--	--	Peak	1.74	135	Not in Restricted Band
9748	34.32	H	--	--	Avg	1.74	135	Not in Restricted Band
12185	49.56	H	74	-24.44	Peak	2.27	225	
12185	37.04	H	54	-16.96	Avg	2.27	225	
14622	50.89	H	--	--	Peak	2.27	270	Not in Restricted Band
14622	39.1	H	--	--	Avg	2.27	270	Not in Restricted Band
17059	50.49	H	--	--	Peak	2.27	135	Not in Restricted Band
17059	37.66	H	--	--	Avg	2.27	135	Not in Restricted Band
19496		H	74	-74	Peak			No Emissions
19496		H	54	-54	Avg			Detected
21933		H	--	--	Peak			No Emissions
21933		H	--	--	Avg			Detected
22001		H	74	-74	Peak			No Emissions
22001		H	54	-54	Avg			Detected
24370		H	--	--	Peak			No Emissions
24370		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	40.38	V	74	-33.62	Peak	1.49	225	
4874	29.54	V	54	-24.46	Avg	1.49	225	
7311	42.19	V	74	-31.81	Peak	1.49	225	
7311	29.13	V	54	-24.87	Avg	1.49	225	
9748	48.5	V	--	--	Peak	2.23	135	Not in Restricted Band
9748	33.39	V	--	--	Avg	2.23	135	Not in Restricted Band
12185	49.38	V	74	-24.62	Peak	2.23	270	
12185	36.11	V	54	-17.89	Avg	2.23	270	
14622	51	V	--	--	Peak	2.23	180	Not in Restricted Band
14622	37.97	V	--	--	Avg	2.23	180	Not in Restricted Band
17059	51.26	V	--	--	Peak	2.25	225	Not in Restricted Band
17059	38.37	V	--	--	Avg	2.25	225	Not in Restricted Band
19496		V	74	-74	Peak			No Emissions
19496		V	54	-54	Avg			Detected
21933		V	--	--	Peak			No Emissions
21933		V	--	--	Avg			Detected
22001		V	74	-74	Peak			No Emissions
22001		V	54	-54	Avg			Detected
24370		V	--	--	Peak			No Emissions
24370		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 6****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4874	42.16	H	74	-31.84	Peak	2.76	180	
4874	33.69	H	54	-20.31	Avg	2.76	180	
7311	43.01	H	74	-30.99	Peak	1.91	225	
7311	29.92	H	54	-24.08	Avg	1.91	225	
9748	49.82	H	--	--	Peak	2.02	225	Not in Restricted Band
9748	35.29	H	--	--	Avg	2.02	225	Not in Restricted Band
12185	49.84	H	74	-24.16	Peak	2.02	225	
12185	36.32	H	54	-17.68	Avg	2.02	225	
14622	51.19	H	--	--	Peak	2.02	180	Not in Restricted Band
14622	38.12	H	--	--	Avg	2.02	180	Not in Restricted Band
17059	50.37	H	--	--	Peak	2.02	225	Not in Restricted Band
17059	37.84	H	--	--	Avg	2.02	225	Not in Restricted Band
19496		H	74	-74	Peak			No Emissions
19496		H	54	-54	Avg			Detected
21933		H	--	--	Peak			No Emissions
21933		H	--	--	Avg			Detected
22001		H	74	-74	Peak			No Emissions
22001		H	54	-54	Avg			Detected
24370		H	--	--	Peak			No Emissions
24370		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.14	V	74	-32.86	Peak	1.58	180	
4924	28.98	V	54	-25.02	Avg	1.58	180	
7386	40.7	V	74	-33.3	Peak	1.59	180	
7386	27.82	V	54	-26.18	Avg	1.59	180	
9848	44.76	V	--	--	Peak	1.92	225	Not in Restricted Band
9848	33.14	V	--	--	Avg	1.92	225	Not in Restricted Band
12310	46.38	V	74	-27.62	Peak	1.92	225	
12310	35.03	V	54	-18.97	Avg	1.92	225	
14772	49.23	V	--	--	Peak	1.93	45	Not in Restricted Band
14772	36.47	V	--	--	Avg	1.93	45	Not in Restricted Band
17234		V	--	--	Peak			No Emissions
17234		V	--	--	Avg			Detected
19696		V	74	-74	Peak			No Emissions
19696		V	54	-54	Avg			Detected
22158		V	74	-74	Peak			No Emissions
22158		V	54	-54	Avg			Detected
24620		V	--	--	Peak			No Emissions
24620		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

X-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	40.74	H	74	-33.26	Peak	2.89	315	
4924	29.53	H	54	-24.47	Avg	2.89	315	
7386	41.25	H	74	-32.75	Peak	2.13	225	
7386	28.11	H	54	-25.89	Avg	2.13	225	
9848	46.07	H	--	--	Peak	2.43	315	Not in Restricted Band
9848	36.4	H	--	--	Avg	2.43	315	Not in Restricted Band
12310	48.13	H	74	-25.87	Peak	1.76	315	
12310	35.64	H	54	-18.36	Avg	1.76	315	
14772	48.88	H	--	--	Peak	1.76	180	Not in Restricted Band
14772	36.88	H	--	--	Avg	1.76	180	Not in Restricted Band
17234		H	--	--	Peak			No Emissions
17234		H	--	--	Avg			Detected
19696		H	74	-74	Peak			No Emissions
19696		H	54	-54	Avg			Detected
22158		H	74	-74	Peak			No Emissions
22158		H	54	-54	Avg			Detected
24620		H	--	--	Peak			No Emissions
24620		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.57	H	74	-32.43	Peak	1.64	225	
4924	32.87	H	54	-21.13	Avg	1.64	225	
7386	40.44	H	74	-33.56	Peak	1.44	180	
7386	28.42	H	54	-25.58	Avg	1.44	180	
9848	46.89	H	--	--	Peak	1.61	225	Not in Restricted Band
9848	31.67	H	--	--	Avg	1.61	225	Not in Restricted Band
12310	48.33	H	74	-25.67	Peak	1.61	180	
12310	35.23	H	54	-18.77	Avg	1.61	180	
14772	48.99	H	--	--	Peak	1.61	225	Not in Restricted Band
14772	36.56	H	--	--	Avg	1.61	225	Not in Restricted Band
17234	49.67	H	--	--	Peak	1.61	180	Not in Restricted Band
17234	36.55	H	--	--	Avg	1.61	180	Not in Restricted Band
19696		H	74	-74	Peak			No Emissions
19696		H	54	-54	Avg			Detected
22158		H	74	-74	Peak			No Emissions
22158		H	54	-54	Avg			Detected
24620		H	--	--	Peak			No Emissions
24620		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Y-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	40.98	H	74	-33.02	Peak	2.93	225	
4924	30.82	H	54	-23.18	Avg	2.93	225	
7386	40.6	H	74	-33.4	Peak	1.97	225	
7386	28.16	H	54	-25.84	Avg	1.97	225	
9848	45.17	H	--	--	Peak	2.36	225	Not in Restricted Band
9848	32.21	H	--	--	Avg	2.36	225	Not in Restricted Band
12310	47.63	H	74	-26.37	Peak	2.36	225	
12310	35.68	H	54	-18.32	Avg	2.36	225	
14772	50.71	H	--	--	Peak	2.36	180	Not in Restricted Band
14772	36.87	H	--	--	Avg	2.36	180	Not in Restricted Band
17234	49.59	H	--	--	Peak	1.72	225	Not in Restricted Band
17234	36.73	H	--	--	Avg	1.72	225	Not in Restricted Band
19696		H	74	-74	Peak			No Emissions
19696		H	54	-54	Avg			Detected
22158		H	74	-74	Peak			No Emissions
22158		H	54	-54	Avg			Detected
24620		H	--	--	Peak			No Emissions
24620		H	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	41.12	V	74	-32.88	Peak	2.58	225	
4924	31.6	V	54	-22.4	Avg	2.58	225	
7386	40.67	V	74	-33.33	Peak	2.58	225	
7386	27.64	V	54	-26.36	Avg	2.58	225	
9848	45.33	V	--	--	Peak	1.79	225	Not in Restricted Band
9848	32.7	V	--	--	Avg	1.79	225	Not in Restricted Band
12310	48.32	V	74	-25.68	Peak	1.79	180	
12310	34.73	V	54	-19.27	Avg	1.79	180	
14772	51.14	V	--	--	Peak	1.79	270	Not in Restricted Band
14772	36.57	V	--	--	Avg	1.79	270	Not in Restricted Band
17234	49.35	V	--	--	Peak	1.79	315	Not in Restricted Band
17234	36.38	V	--	--	Avg	1.79	315	Not in Restricted Band
19696		V	74	-74	Peak			No Emissions
19696		V	54	-54	Avg			Detected
22158		V	74	-74	Peak			No Emissions
22158		V	54	-54	Avg			Detected
24620		V	--	--	Peak			No Emissions
24620		V	--	--	Avg			Detected

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

Z-Axis**Channel 11****Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4924	42.44	H	74	-31.56	Peak	1.59	225	
4924	35.23	H	54	-18.77	Avg	1.59	225	
7386	41.81	H	74	-32.19	Peak	1.43	180	
7386	27.91	H	54	-26.09	Avg	1.43	180	
9848	46.9	H	--	--	Peak	2.23	180	Not in Restricted Band
9848	33.5	H	--	--	Avg	2.23	180	Not in Restricted Band
12310	47.74	H	74	-26.26	Peak	2.23	225	
12310	35.23	H	54	-18.77	Avg	2.23	225	
14772	50	H	--	--	Peak	1.84	180	Not in Restricted Band
14772	36.84	H	--	--	Avg	1.84	180	Not in Restricted Band
17234	49.41	H	--	--	Peak	1.84	225	Not in Restricted Band
17234	36.68	H	--	--	Avg	1.84	225	Not in Restricted Band
19696		H	74	-74	Peak			No Emissions
19696		H	54	-54	Avg			Detected
22158		H	74	-74	Peak			No Emissions
22158		H	54	-54	Avg			Detected
24620		H	--	--	Peak			No Emissions
24620		H	--	--	Avg			Detected

FCC 15.209 and 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/09/05

Lab: B

Tested By: Benigno Chavez

**Transmitter Portion From 10 kHz to 1000 MHz
Vertical and Horizontal Polarizations**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit (dBuV)	Delta	Peak / QP / Avg	Comments
43.98	27.25	V	40	-12.75	Peak	
131.98	25.44	V	43.5	-18.06	Peak	
219.97	24.19	V	46	-21.81	Peak	
263.94	20.37	V	46	-25.63	Peak	
117.95	32.23	V	43.5	-11.27	Peak	
176.86	48.17	V	43.5	4.67	Peak	TRANSMITTER ACTIVE
176.86	44.39	V	43.5	0.89	QP	
176.89	48.15	V	43.5	4.65	Peak	TRANSMITTER IN IDLE MODE
176.89	45.67	V	43.5	2.17	Peak	
235.9	29.18	V	46	-16.82	Peak	
294.92	42.24	V	46	-3.76	Peak	
117.93	28.07	H	43.5	-15.43	Peak	
176.87	33.58	H	43.5	-9.92	Peak	
235.9	28.87	H	46	-17.13	Peak	
294.91	35.54	H	46	-10.46	Peak	

The 176.86 MHz reading is from the digital portion -- when the transmitter portion is turned off -- the reading does NOT go lower

All of the digital portion readings were done to FCC Class A.

FCC 15.209 and 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/09/05

Lab: B

Tested By: Benigno Chavez

**Transmitter Portion From 10 kHz to 1000 MHz
Vertical and Horizontal Polarizations**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit (dBuV)	Delta	Peak / QP / Avg	Comments
307.97	28.52	H	46	-17.48	Peak	
439.97	22.35	H	46	-23.65	Peak	
483.97	24.74	H	46	-21.26	Peak	
659.97	24.79	H	46	-21.21	Peak	
353.83	45.54	H	46	-0.46	Peak	
353.83	43.04	H	46	-2.96	QP	
412.85	42.14	H	46	-3.86	Peak	
471.79	41.3	H	46	-4.7	Peak	
530.85	34.99	H	46	-11.01	Peak	
589.85	34.08	H	46	-11.92	Peak	
648.66	37.84	H	46	-8.16	Peak	
766.65	42.28	H	46	-3.72	Peak	
825.66	39.14	H	46	-6.86	Peak	
943.8	34.21	H	46	-11.79	Peak	
307.97	16.38	V	46	-29.62	Peak	
483.98	22.43	V	46	-23.57	Peak	
615.98	19.73	V	46	-26.27	Peak	
659.98	24.28	V	46	-21.72	Peak	
791.98	25.86	V	46	-20.14	Peak	
353.84	38.31	V	46	-7.69	Peak	
412.87	34.82	V	46	-11.18	Peak	
471.9	39.04	V	46	-6.96	Peak	
530.81	38.57	V	46	-7.43	Peak	
589.84	28.28	V	46	-17.72	Peak	
766.27	39.23	V	46	-6.77	Peak	
825.88	35.95	V	46	-10.05	Peak	
943.36	29.48	V	46	-16.52	Peak	

RADIATED EMISSIONS

DATA SHEETS for the RECEIVER PORTION

Quatech, Inc.
ThinQ SDS
Model: SSE/DSE-100/400

Tested By: Kyle Fujimoto

X-Axis Worst Case

[illegible]

RADIATED EMISSIONS

DATA SHEETS for the DIGITAL PORTION

Quatech, Inc.
ThinQ SDS
Model: SSE/DSE-100/400

Date: 02/09/05
Lab: B
Tested By: Kyle Fujimoto

Digital Portion -- 10 kHz to 300 MHz Vertical and Horizontal Polarizations

[illegible]

FCC Class A

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/09/05

Lab: B

Tested By: Benigno Chavez

Digital Portion -- 300 MHz to 1000 MHz**Vertical and Horizontal Polarizations**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit (dBuV)	Delta	Peak / QP / Avg	Comments
307.978	15.17	V	46.4	-31.23	Peak	
354.39	33.93	V	46.4	-12.47	Peak	
412.86	27.43	V	46.4	-18.97	Peak	
471.91	22.75	V	46.4	-23.65	Peak	
530.496	28.44	V	46.4	-17.96	Peak	
589.79	20.54	V	46.4	-25.86	Peak	
766.74	28.06	V	46.4	-18.34	Peak	
825.75	25.98	V	46.4	-20.42	Peak	
353.87	37.11	H	46.4	-9.29	Peak	
412.81	31.02	H	46.4	-15.38	Peak	
471.83	29.34	H	46.4	-17.06	Peak	
530.89	29.65	H	46.4	-16.75	Peak	
589.71	27.62	H	46.4	-18.78	Peak	
648.73	32.12	H	46.4	-14.28	Peak	
766.64	33.11	H	46.4	-13.29	Peak	
825.67	30.97	H	46.4	-15.43	Peak	

Quatech, Inc.
ThinQ SDS
Model: SSE/DSE-100/400

Date: 02/07/05
Lab: B
Tested By: Kyle Fujimoto

Digital Portion From 1 GHz to 25 GHz

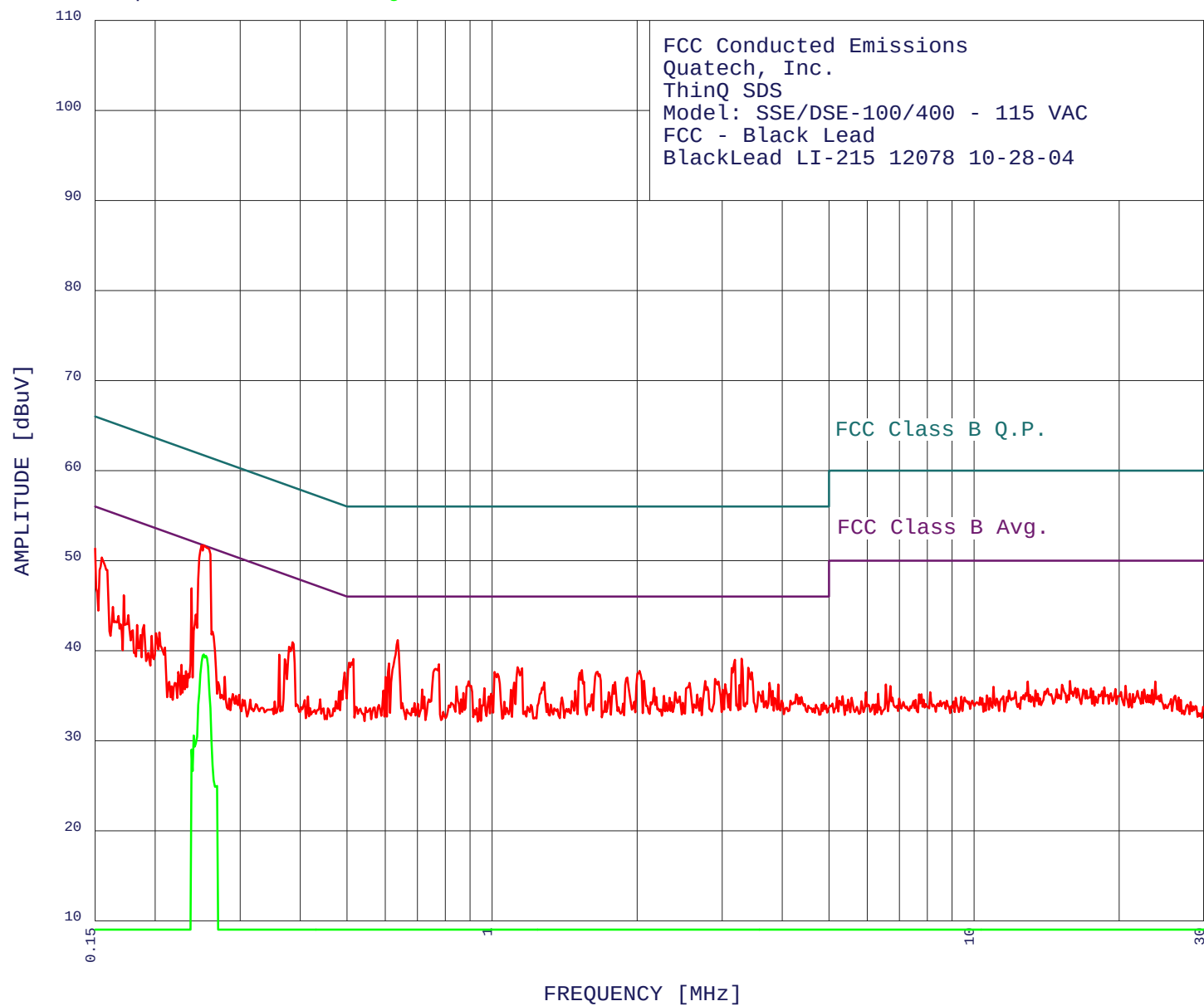
[illegible]

CONDUCTED EMISSIONS

DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

2/10/2005 10:21:45





2/10/2005

10:21:45

FCC Conducted Emissions

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400 - 115 VAC

FCC - Black Lead

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Kyle Fujimoto

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

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.250	51.71	51.77	-0.07**
2	0.637	41.18	46.00	-4.82
3	0.238	46.91	52.17	-5.25**
4	0.155	50.35	55.73	-5.38
5	3.294	39.09	46.00	-6.91
6	0.516	39.07	46.00	-6.93
7	3.192	38.98	46.00	-7.02
8	0.385	40.92	48.16	-7.24
9	0.611	38.57	46.00	-7.43
10	0.775	38.49	46.00	-7.51
11	1.130	38.15	46.00	-7.85
12	3.401	38.10	46.00	-7.90
13	0.243	44.01	52.00	-7.99**
14	1.536	37.84	46.00	-8.16
15	2.023	37.74	46.00	-8.26
16	1.654	37.66	46.00	-8.34
17	1.011	37.62	46.00	-8.38
18	0.494	37.57	46.09	-8.53
19	0.172	46.14	54.86	-8.71
20	0.601	37.07	46.00	-8.93
21	1.908	37.02	46.00	-8.98
22	2.900	36.85	46.00	-9.15
23	0.362	39.54	48.69	-9.16
24	2.066	36.65	46.00	-9.35
25	2.766	36.63	46.00	-9.37
26	0.895	36.60	46.00	-9.40
27	0.371	39.03	48.47	-9.44
28	1.800	36.49	46.00	-9.51
29	1.283	36.48	46.00	-9.52
30	1.112	36.44	46.00	-9.56
31	3.761	36.42	46.00	-9.58
32	2.568	36.41	46.00	-9.59
33	3.043	36.26	46.00	-9.74
34	3.924	36.23	46.00	-9.77
35	3.260	36.19	46.00	-9.81
36	0.844	36.00	46.00	-10.00
37	2.168	35.86	46.00	-10.14
38	0.963	35.81	46.00	-10.19
39	0.716	35.68	46.00	-10.32
40	3.011	35.66	46.00	-10.34
41	1.094	35.64	46.00	-10.36
42	0.595	35.57	46.00	-10.43
43	0.163	44.85	55.29	-10.45
44	3.820	35.53	46.00	-10.47
45	1.488	35.53	46.00	-10.47

**COMPATIBLE
ELECTRONICS**

2/10/2005

10:21:45

FCC Conducted Emissions

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400 - 115 VAC

FCC - Black Lead

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Kyle Fujimoto

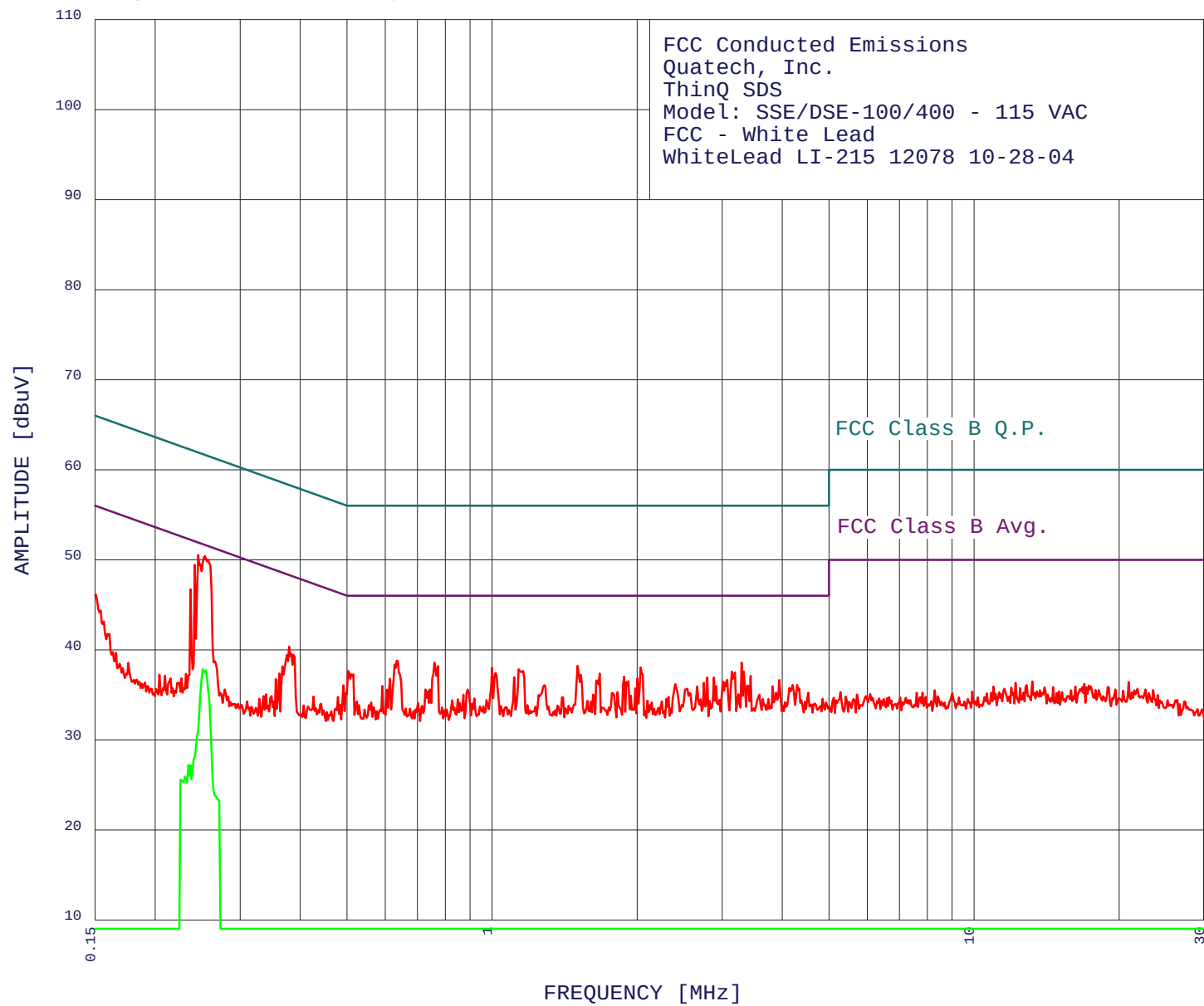
5 highest peaks above -50.00 dB of FCC Class B Avg. limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.252	39.56	51.68	-12.12
2	0.255	39.43	51.60	-12.16
3	0.240	30.57	52.08	-21.51
4	0.238	29.00	52.17	-23.16
5	0.269	24.97	51.15	-26.18

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

2/10/2005 10:27:41





2/10/2005

10:27:41

FCC Conducted Emissions

Quatech, Inc.

ThinQ SDs

Model: SSE/DSE-100/400 - 115 VAC

FCC - White Lead

WhiteLead LI-215 12078 10-28-04

TEST ENGINEER : Kyle Fujimoto

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

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.254	50.41	51.64	-1.23**
2	0.246	50.52	51.90	-1.39**
3	0.242	49.42	52.04	-2.62**
4	0.237	46.72	52.21	-5.49**
5	0.637	38.77	46.00	-7.23
6	0.759	38.58	46.00	-7.42
7	3.294	38.58	46.00	-7.42
8	1.504	38.22	46.00	-7.78
9	0.771	38.18	46.00	-7.82
10	0.379	40.34	48.29	-7.96
11	2.034	38.03	46.00	-7.97
12	1.000	38.01	46.00	-7.99
13	1.136	37.84	46.00	-8.16
14	0.502	37.66	46.00	-8.34
15	3.328	37.58	46.00	-8.42
16	3.141	37.56	46.00	-8.44
17	1.016	37.41	46.00	-8.59
18	1.671	37.35	46.00	-8.65
19	0.387	39.43	48.12	-8.69
20	3.438	37.09	46.00	-8.91
21	1.879	37.00	46.00	-9.00
22	1.112	36.93	46.00	-9.07
23	2.885	36.93	46.00	-9.07
24	2.796	36.92	46.00	-9.08
25	2.002	36.83	46.00	-9.17
26	0.614	36.76	46.00	-9.24
27	3.945	36.65	46.00	-9.35
28	3.075	36.65	46.00	-9.35
29	1.918	36.51	46.00	-9.49
30	2.751	36.31	46.00	-9.69
31	2.397	36.17	46.00	-9.83
32	4.294	36.10	46.00	-9.90
33	4.204	36.08	46.00	-9.92
34	1.283	36.07	46.00	-9.93
35	3.401	35.99	46.00	-10.01
36	0.592	35.96	46.00	-10.04
37	3.820	35.94	46.00	-10.06
38	2.916	35.93	46.00	-10.07
39	0.492	36.07	46.14	-10.07
40	2.665	35.90	46.00	-10.10
41	1.981	35.72	46.00	-10.28
42	2.540	35.69	46.00	-10.31
43	0.890	35.60	46.00	-10.40
44	0.743	35.58	46.00	-10.42
45	0.728	35.58	46.00	-10.42

**COMPATIBLE
ELECTRONICS**

2/10/2005

10:27:41

FCC Conducted Emissions

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400 - 115 VAC

FCC - White Lead

WhiteLead LI-215 12078 10-28-04

TEST ENGINEER : Kyle Fujimoto

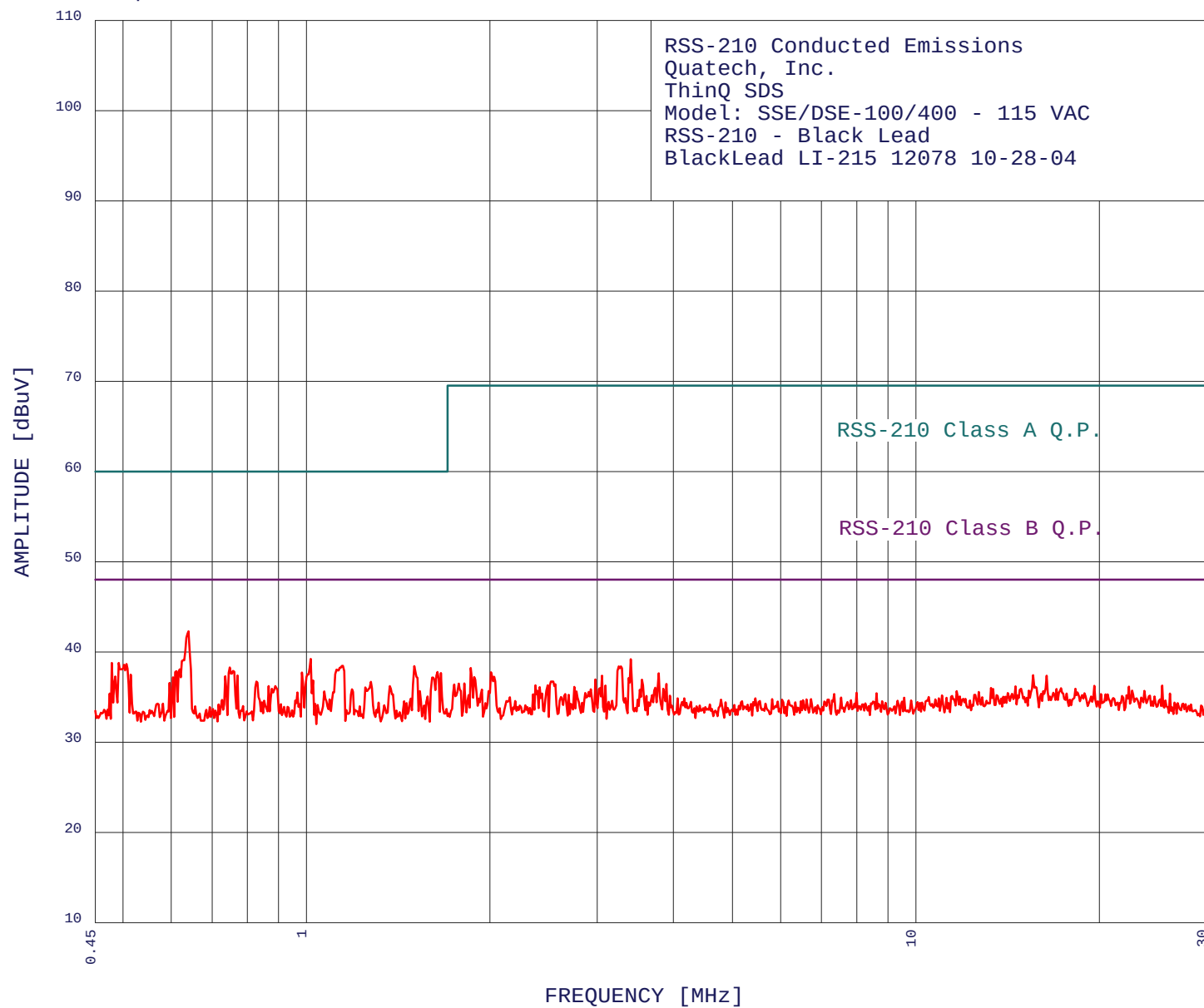
6 highest peaks above -50.00 dB of FCC Class B Avg. limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.255	37.72	51.60	-13.88
2	0.251	37.82	51.73	-13.90
3	0.237	27.18	52.21	-25.03
4	0.234	27.18	52.30	-25.12
5	0.230	25.91	52.43	-26.52
6	0.226	25.52	52.61	-27.09

EMISSION LEVEL [dBuV] PEAK
Graph for Peak

2/10/2005 10:51:54




**COMPATIBLE
ELECTRONICS**

2/10/2005

10:51:54

RSS-210 Conducted Emissions

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400 - 115 VAC

RSS-210 - Black Lead

BlackLead LI-215 12078 10-28-04

TEST ENGINEER : Tested By: Kyle Fujimoto

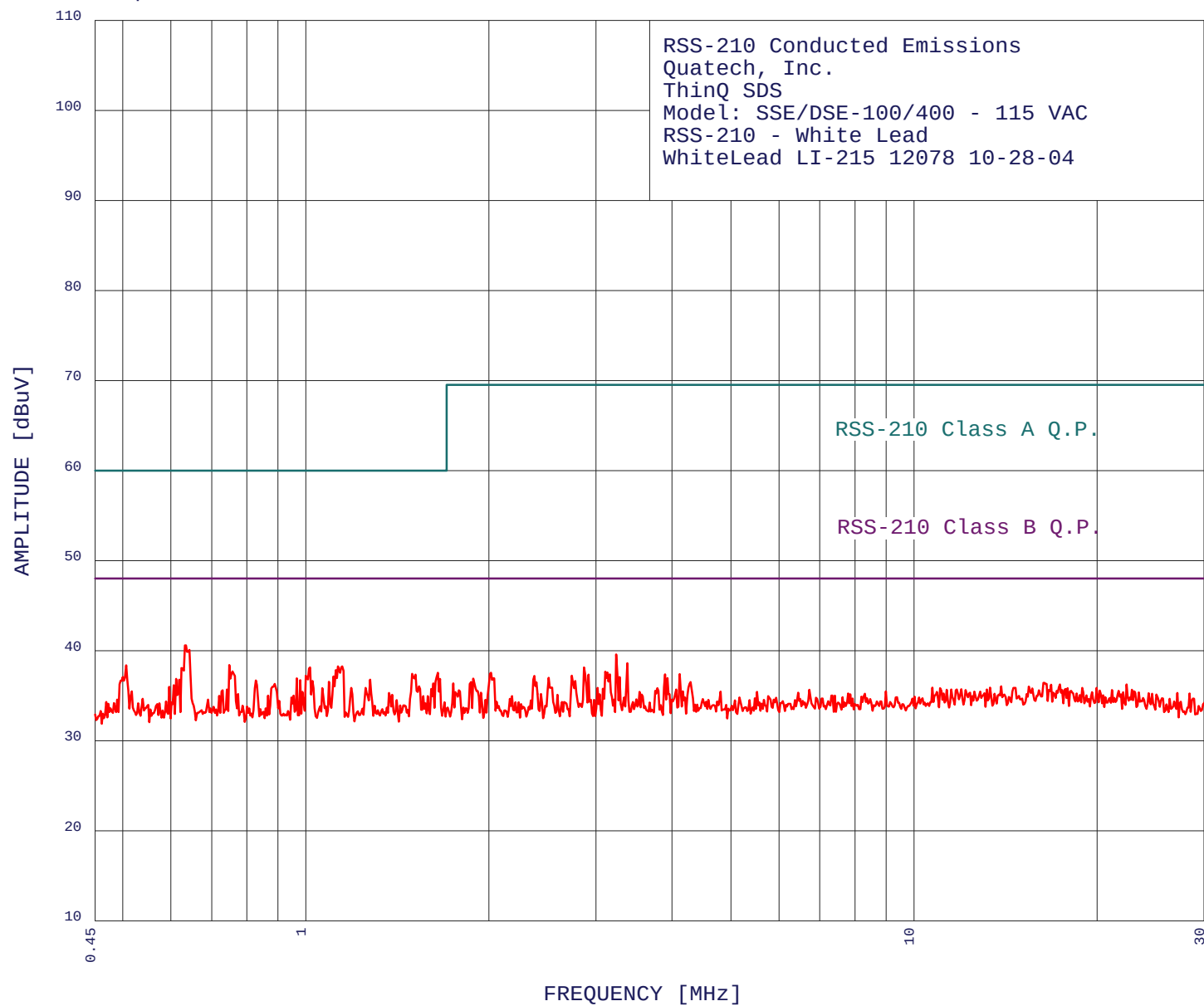
45 highest peaks above -50.00 dB of RSS-210 Class B Q.P. limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.641	42.28	48.00	-5.72
2	1.016	39.22	48.00	-8.78
3	3.407	39.20	48.00	-8.80
4	0.479	38.77	48.00	-9.23
5	0.492	38.77	48.00	-9.23
6	1.148	38.45	48.00	-9.55
7	1.502	38.43	48.00	-9.57
8	3.282	38.39	48.00	-9.61
9	0.748	38.29	48.00	-9.71
10	1.861	38.21	48.00	-9.79
11	0.612	37.87	48.00	-10.13
12	1.641	37.76	48.00	-10.24
13	2.008	37.74	48.00	-10.26
14	0.983	37.72	48.00	-10.28
15	1.661	37.66	48.00	-10.34
16	3.784	37.62	48.00	-10.38
17	0.515	37.47	48.00	-10.53
18	15.582	37.43	48.00	-10.57
19	0.770	37.39	48.00	-10.61
20	3.055	37.37	48.00	-10.63
21	16.389	37.35	48.00	-10.65
22	0.736	37.29	48.00	-10.71
23	0.486	37.27	48.00	-10.73
24	1.885	37.21	48.00	-10.79
25	0.604	37.17	48.00	-10.83
26	1.614	37.15	48.00	-10.85
27	2.979	36.96	48.00	-11.04
28	3.554	36.91	48.00	-11.09
29	1.025	36.82	48.00	-11.18
30	2.540	36.70	48.00	-11.30
31	0.827	36.70	48.00	-11.30
32	1.275	36.68	48.00	-11.32
33	0.596	36.57	48.00	-11.43
34	1.815	36.50	48.00	-11.50
35	1.777	36.49	48.00	-11.51
36	3.898	36.43	48.00	-11.57
37	1.748	36.38	48.00	-11.62
38	2.487	36.30	48.00	-11.70
39	2.375	36.28	48.00	-11.72
40	25.366	36.28	48.00	-11.72
41	3.094	36.27	48.00	-11.73
42	19.633	36.25	48.00	-11.75
43	0.889	36.20	48.00	-11.80
44	0.866	36.20	48.00	-11.80
45	1.370	36.20	48.00	-11.80

EMISSION LEVEL [dBuV] PEAK
Graph for Peak

2/10/2005 10:54:06





**COMPATIBLE
ELECTRONICS**

2/10/2005

10:54:06

RSS-210 Conducted Emissions

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400 - 115 VAC

RSS-210 - White Lead

WhiteLead LI-215 12078 10-28-04

TEST ENGINEER : Tested By: Kyle Fujimoto

45 highest peaks above -50.00 dB of RSS-210 Class B Q.P. limit line

Peak criteria : 1.00 dB, Curve : Peak

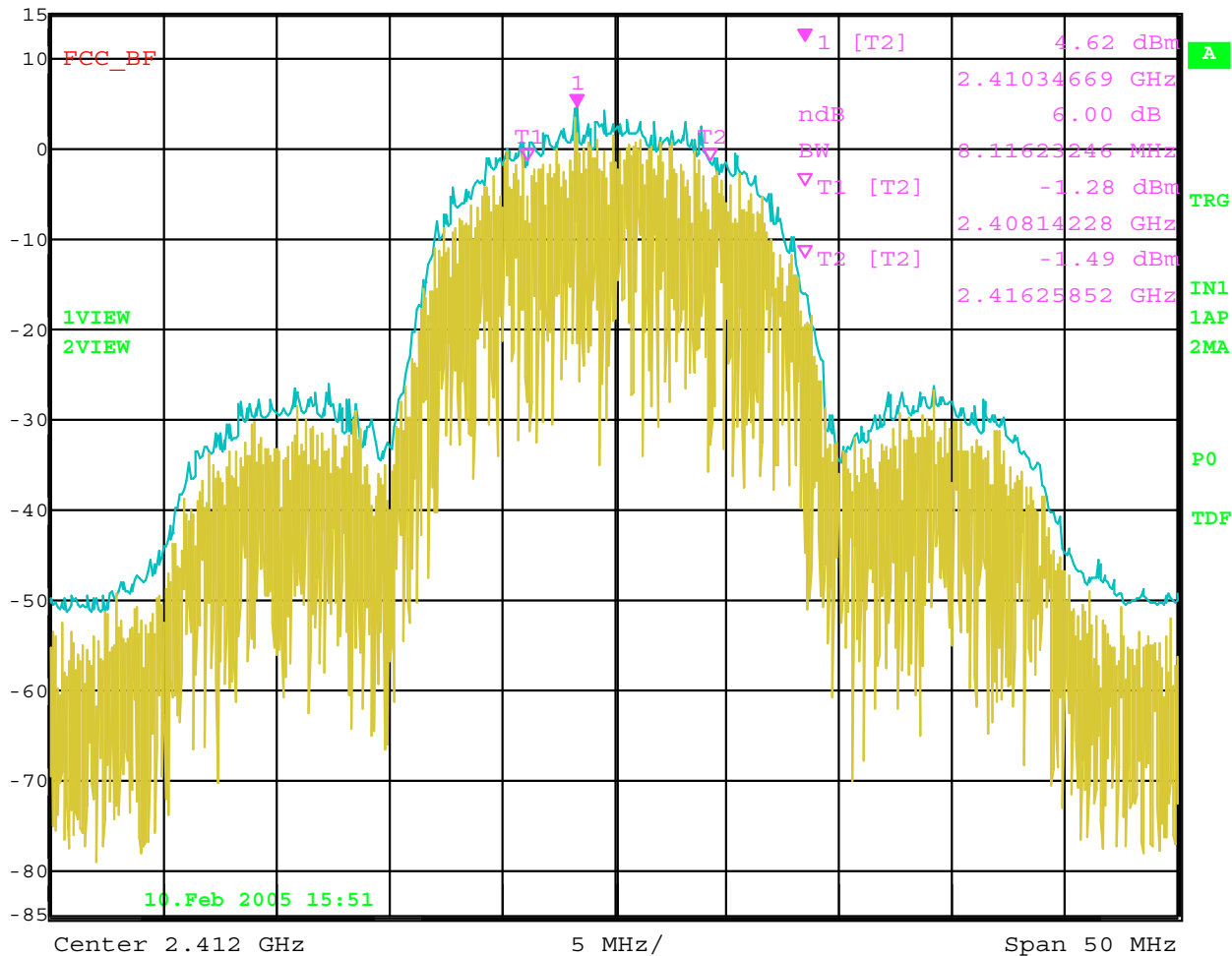
Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.635	40.57	48.00	-7.43
2	3.240	39.57	48.00	-8.43
3	3.379	38.59	48.00	-9.41
4	0.748	38.38	48.00	-9.62
5	0.506	38.36	48.00	-9.64
6	1.148	38.24	48.00	-9.76
7	2.868	38.13	48.00	-9.87
8	1.016	38.11	48.00	-9.89
9	3.107	37.66	48.00	-10.34
10	1.648	37.55	48.00	-10.45
11	2.016	37.53	48.00	-10.47
12	1.496	37.42	48.00	-10.58
13	4.117	37.37	48.00	-10.63
14	3.898	37.35	48.00	-10.65
15	2.917	37.33	48.00	-10.67
16	2.739	37.21	48.00	-10.79
17	2.375	37.17	48.00	-10.83
18	1.110	37.13	48.00	-10.87
19	3.282	37.08	48.00	-10.92
20	2.508	36.99	48.00	-11.01
21	3.931	36.95	48.00	-11.05
22	0.966	36.90	48.00	-11.10
23	1.885	36.90	48.00	-11.10
24	0.612	36.86	48.00	-11.14
25	1.661	36.85	48.00	-11.15
26	1.275	36.77	48.00	-11.23
27	0.619	36.76	48.00	-11.24
28	0.979	36.71	48.00	-11.29
29	0.827	36.69	48.00	-11.31
30	1.025	36.61	48.00	-11.39
31	1.092	36.53	48.00	-11.47
32	1.869	36.50	48.00	-11.50
33	4.293	36.50	48.00	-11.50
34	16.389	36.41	48.00	-11.59
35	1.748	36.37	48.00	-11.63
36	1.621	36.34	48.00	-11.66
37	0.889	36.30	48.00	-11.70
38	22.367	36.23	48.00	-11.77
39	17.380	36.23	48.00	-11.77
40	16.810	36.22	48.00	-11.78
41	0.607	36.16	48.00	-11.84
42	13.913	36.02	48.00	-11.98
43	15.455	35.99	48.00	-12.01
44	0.596	35.96	48.00	-12.04
45	13.340	35.88	48.00	-12.12

-6 dB BANDWIDTH

DATA SHEETS



Ref Lvl 15 dBm
Marker 1 [T2 ndB] 6.00 dB
BW 8.11623246 MHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 12.5 ms
Unit dBm

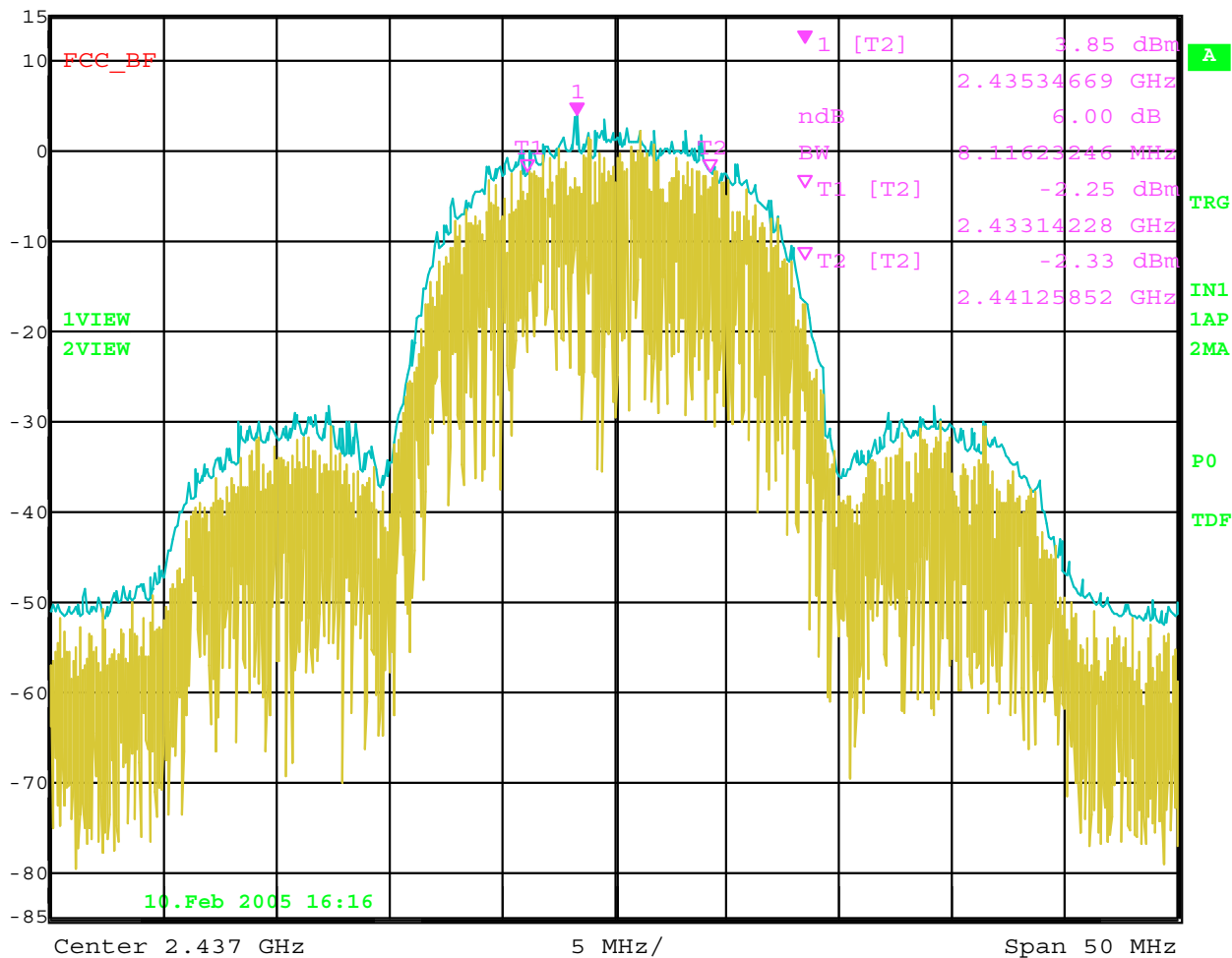


Date: 10.FEB.2005 15:51:21

-6 dB Bandwidth – Channel 1



Ref Lvl 15 dBm
Marker 1 [T2 ndB] ndB 6.00 dB
BW 8.11623246 MHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 12.5 ms
Unit dBm

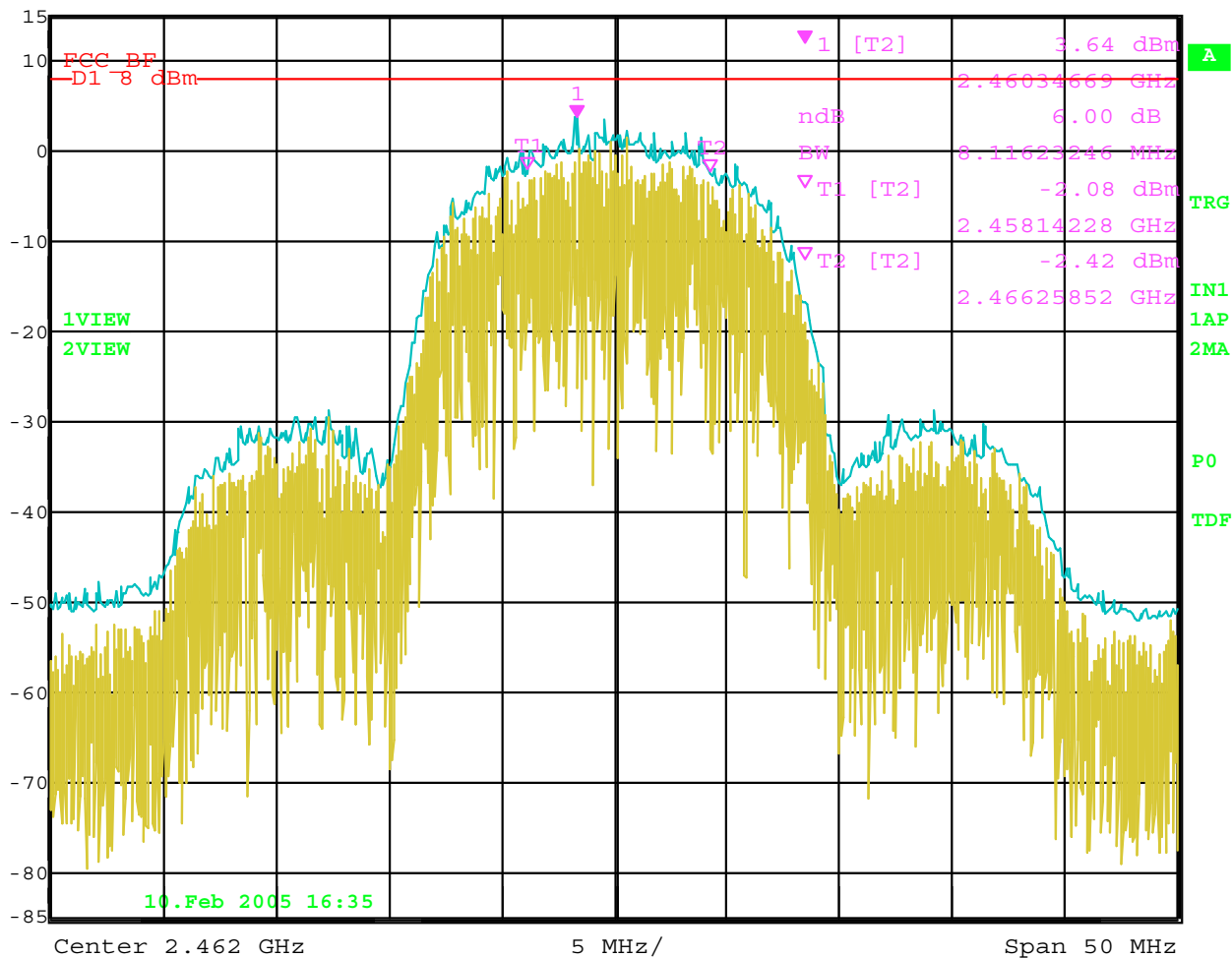


Date: 10.FEB.2005 16:16:05

-6 dB Bandwidth – Channel 6



Ref Lvl 15 dBm
Marker 1 [T2 ndB] 6.00 dB
BW 8.11623246 MHz
RBW 100 kHz
RF Att 40 dB
VBW 300 kHz
SWT 12.5 ms
Unit dBm



Date: 10.FEB.2005 16:35:42

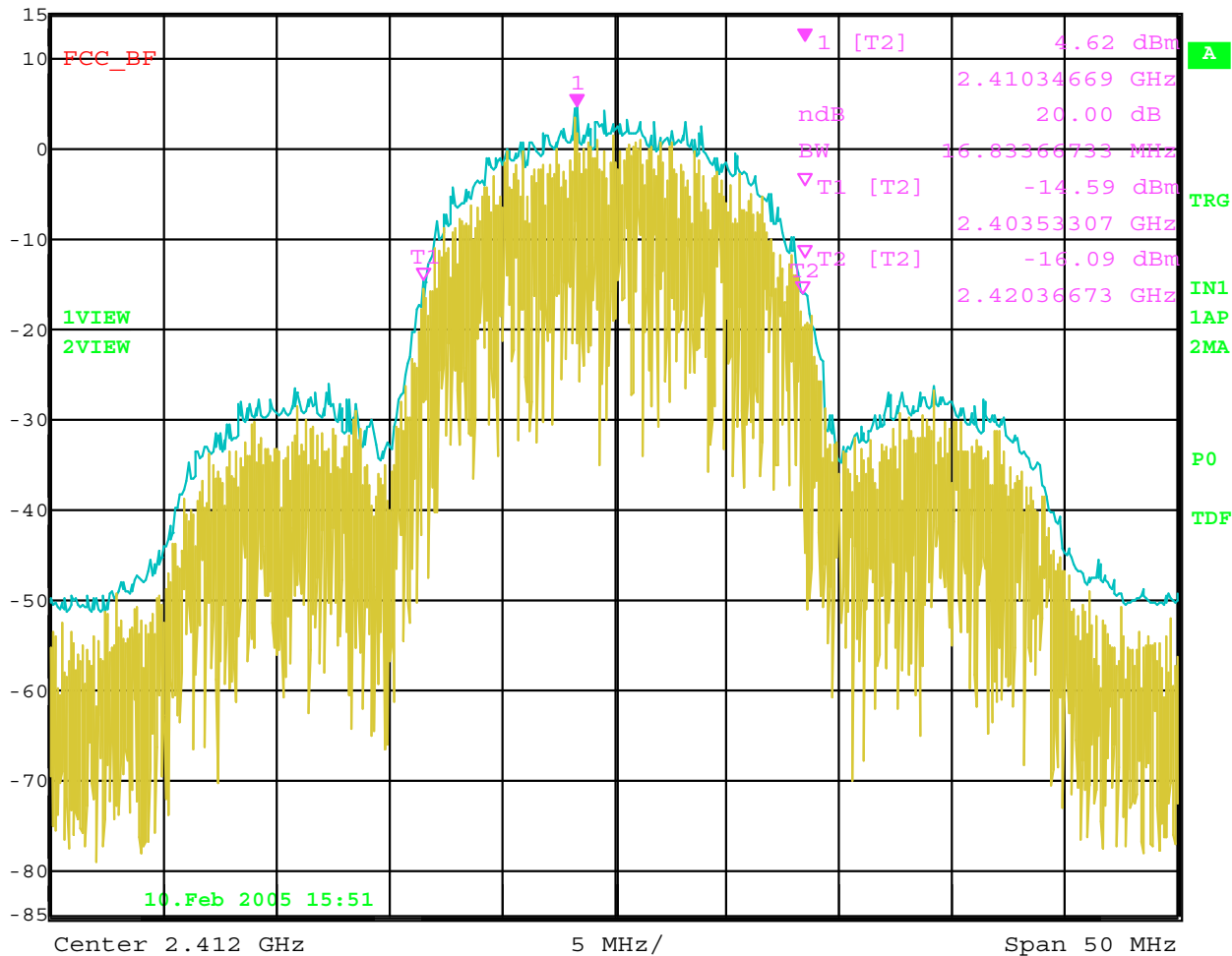
-6 dB Bandwidth – Channel 11

-20 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 16.83366733 MHz	SWT	12.5 ms	Unit	dBm

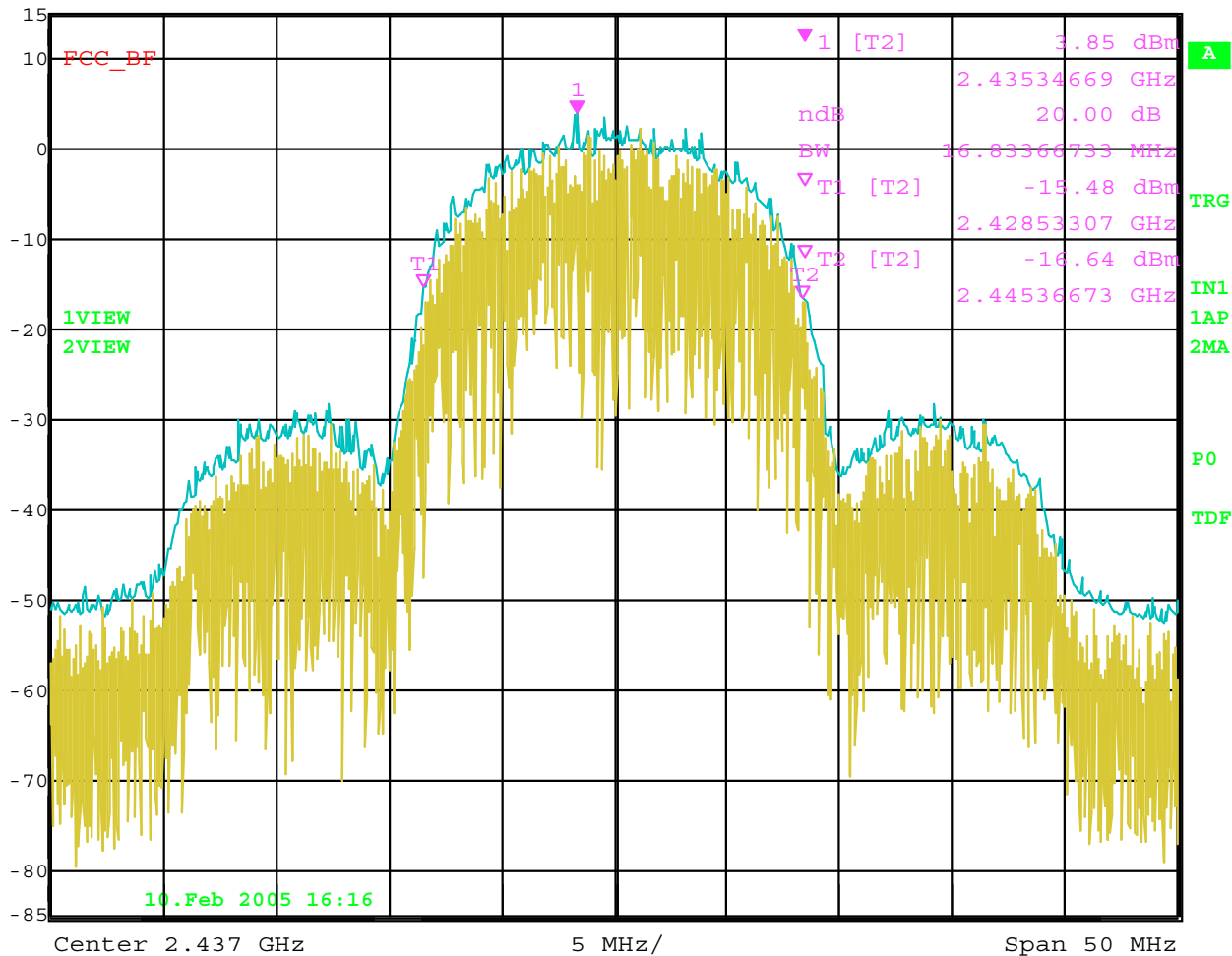


Date: 10.FEB.2005 15:52:01

-20 dB Bandwidth – Channel 1



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 16.83366733 MHz	SWT	12.5 ms	Unit	dBm

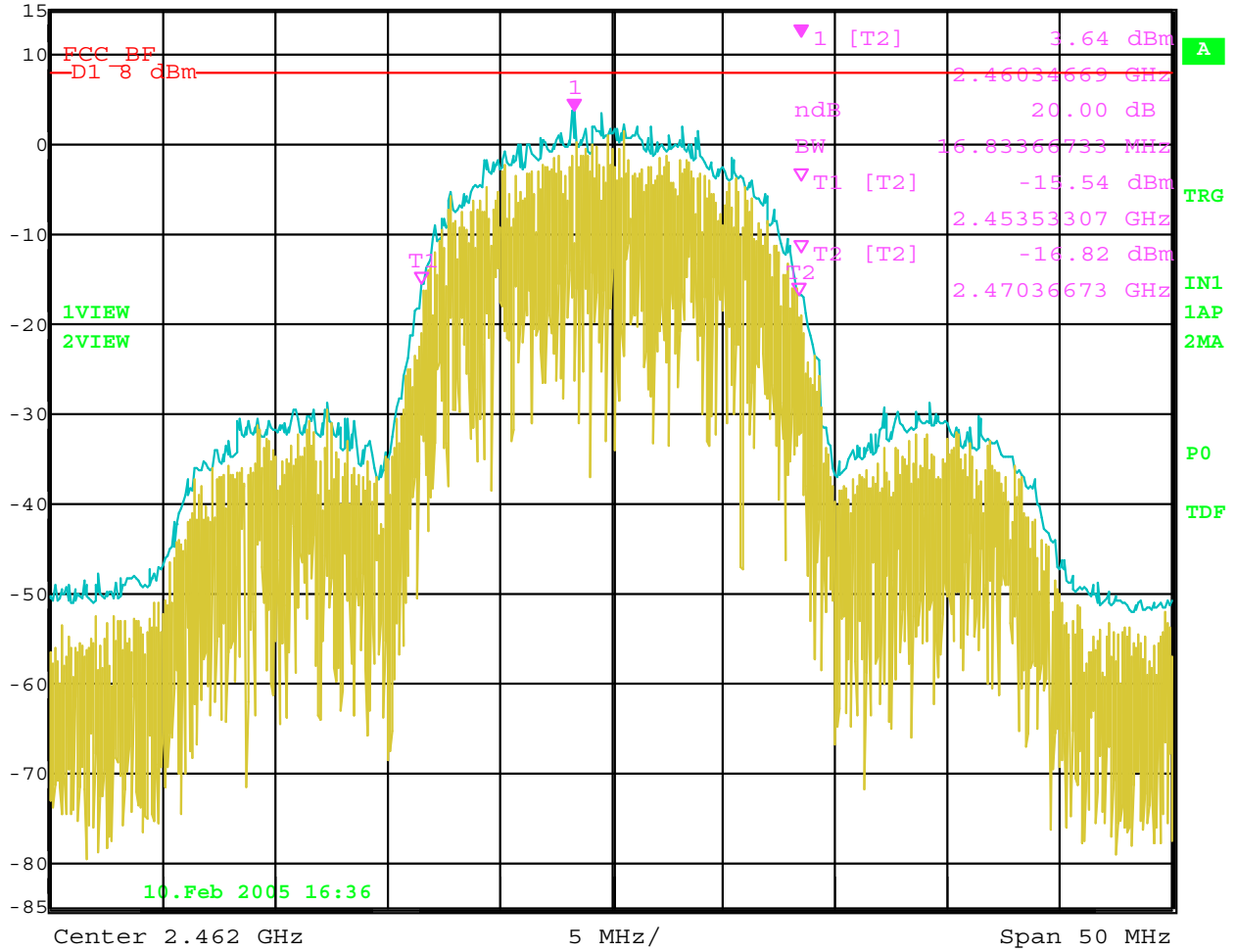


Date: 10.FEB.2005 16:16:30

-20 dB Bandwidth – Channel 6



Ref Lvl	Marker 1 [T2 ndB]	RBW	100 kHz	RF Att	40 dB
15 dBm	ndB 20.00 dB	VBW	300 kHz		
	BW 16.83366733 MHz	SWT	12.5 ms	Unit	dBm



Date: 10.FEB.2005 16:36:03

-20 dB Bandwidth – Channel 11

PEAK POWER OUTPUT

DATA SHEETS

PEAK OUTPUT POWER

Quatech, Inc.

ThinQ SDS

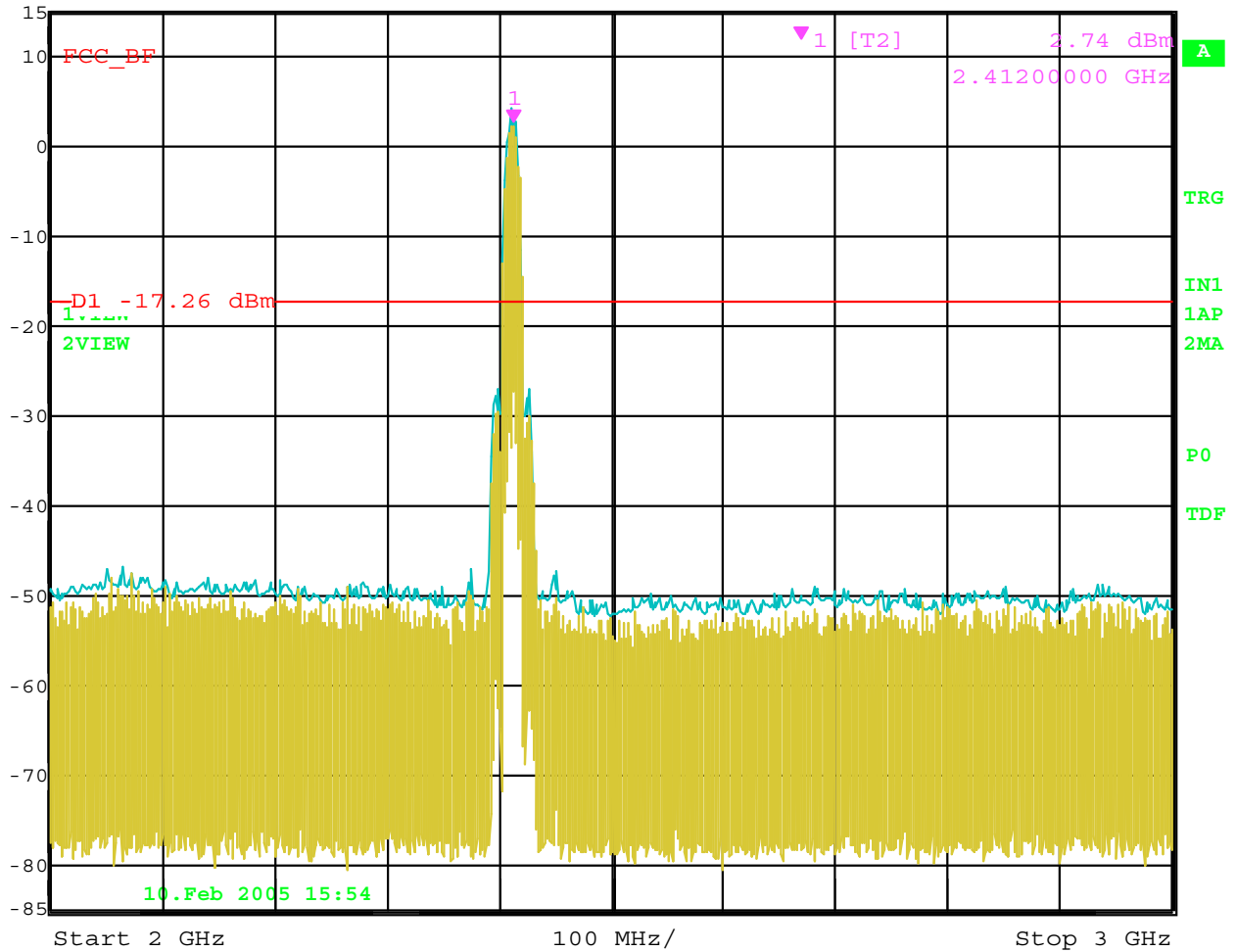
MODEL: SSE/DSE-100/400

CHANNEL	RATE	PEAK POWER OUTPUT (dBm)
1 (2412 MHz)	1 Mbps (Worst Case)	17.39
6 (2437 MHz)	1 Mbps (Worst Case)	17.14
11 (2462 MHz)	1 Mbps (Worst Case)	16.87

RF ANTENNA CONDUCTED
DATA SHEETS



Ref Lvl 15 dBm
Marker 1 [T2] 2.74 dBm
2.41200000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

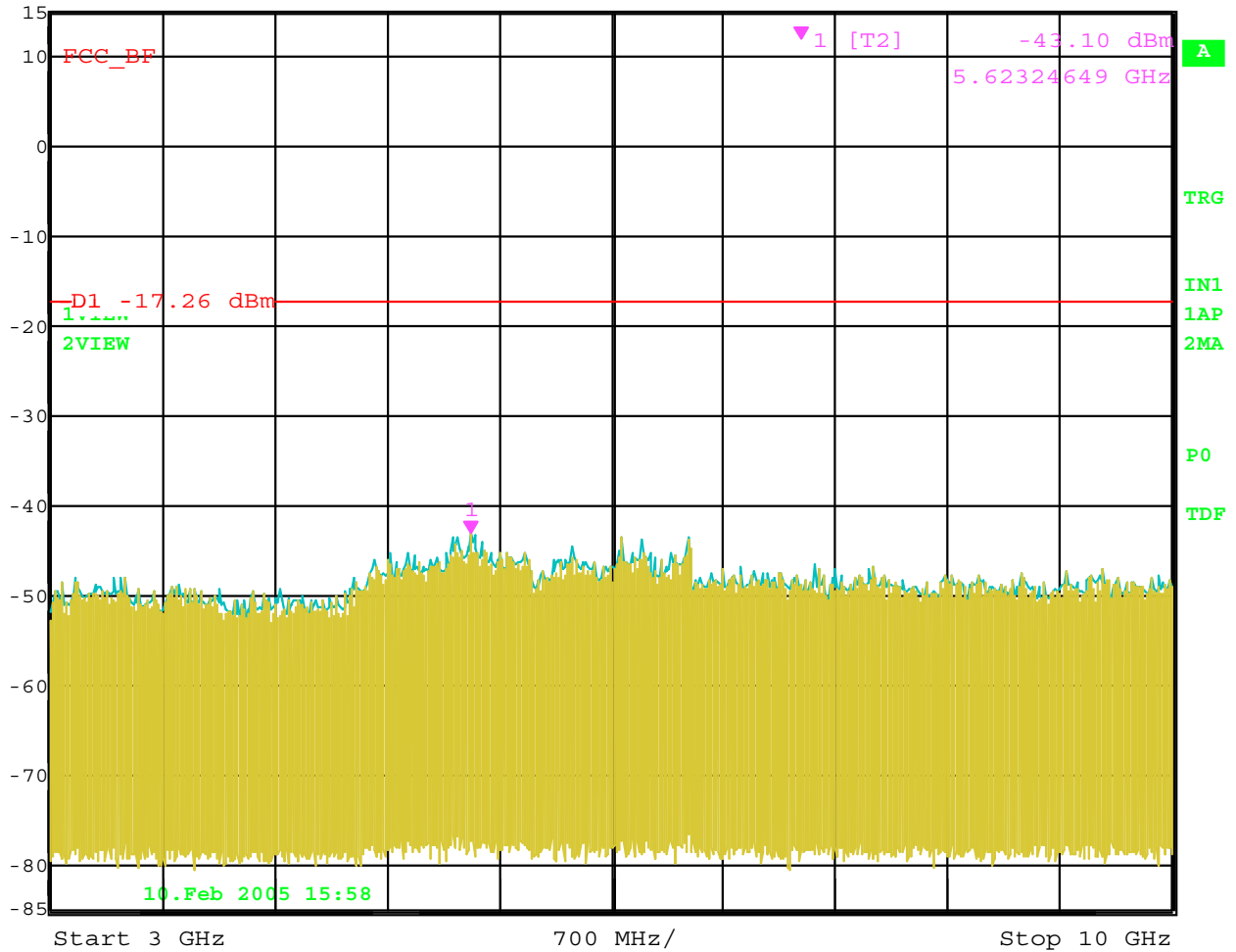


Date: 10.FEB.2005 15:54:18

RF Antenna Conducted Test – Channel 1 – 2 GHz to 3 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-43.10 dBm VBW 300 kHz
5.62324649 GHz SWT 1.75 s Unit dBm

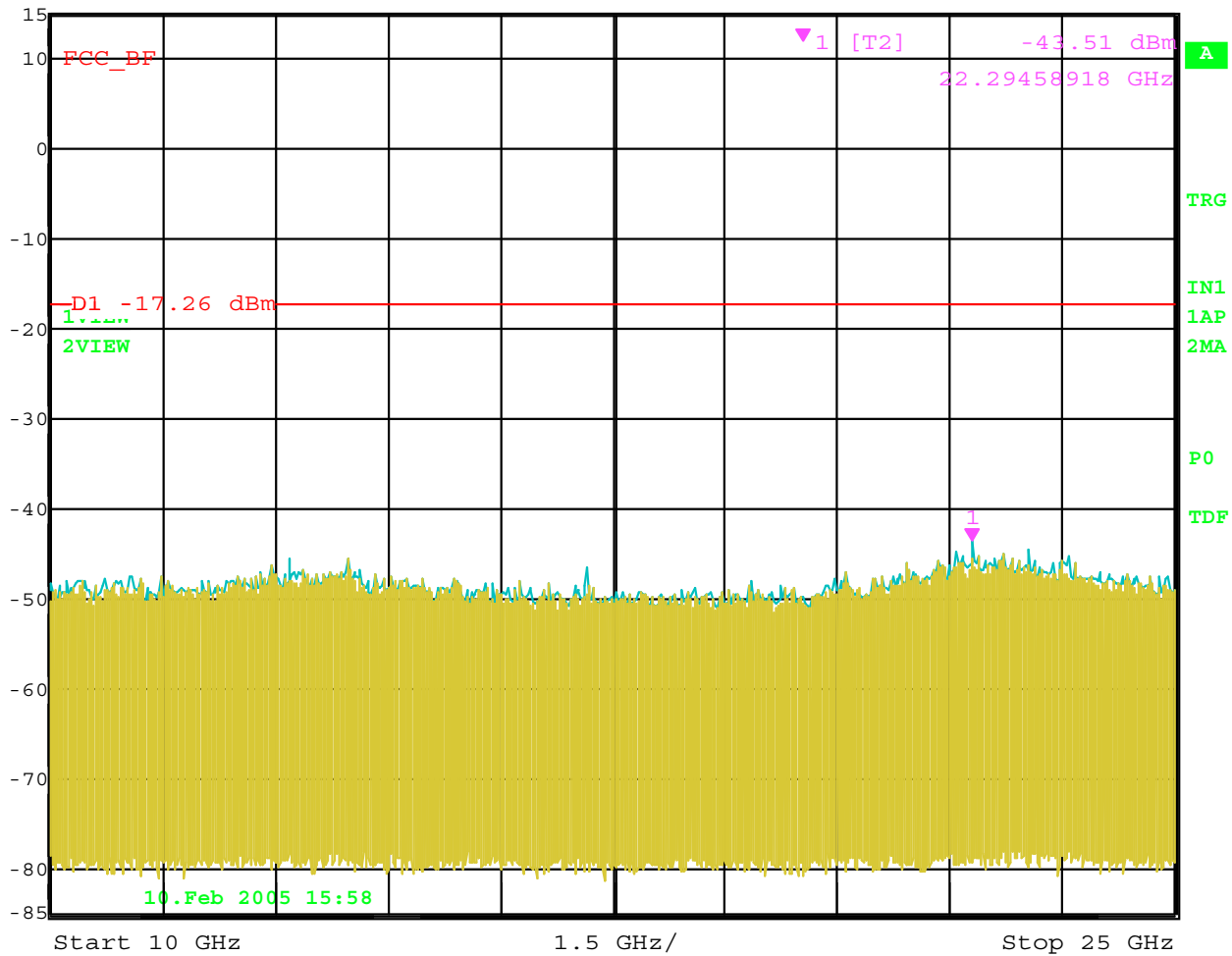


Date: 10.FEB.2005 15:58:16

RF Antenna Conducted Test – Channel 1 – 3 GHz to 10 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-43.51 dBm VBW 300 kHz
22.29458918 GHz SWT 3.8 s Unit dBm

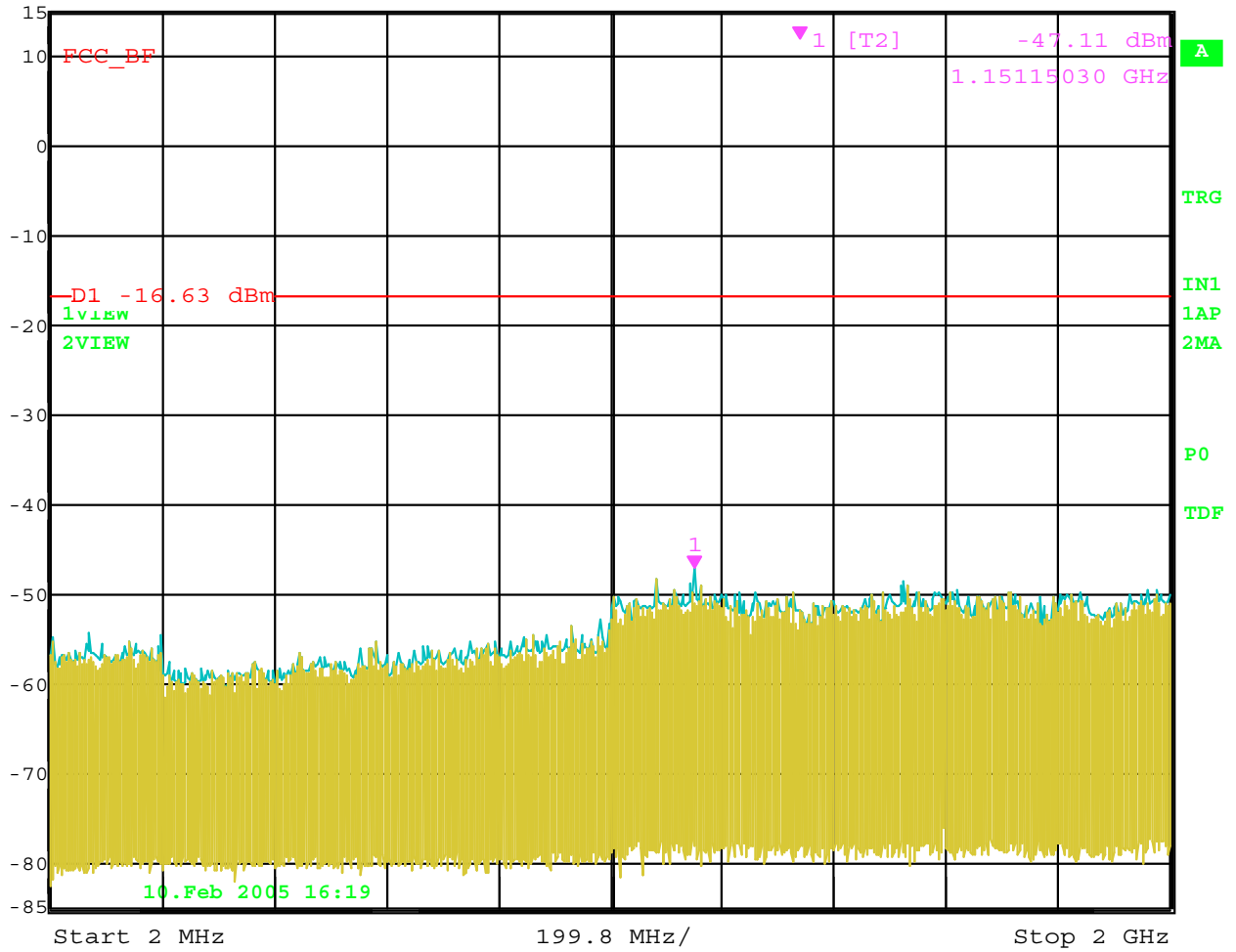


Date: 10.FEB.2005 15:58:49

RF Antenna Conducted Test – Channel 1 – 10 GHz to 25 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	-47.11 dBm	VBW	300 kHz		
	1.15115030 GHz	SWT	1.15 s	Unit	dBm

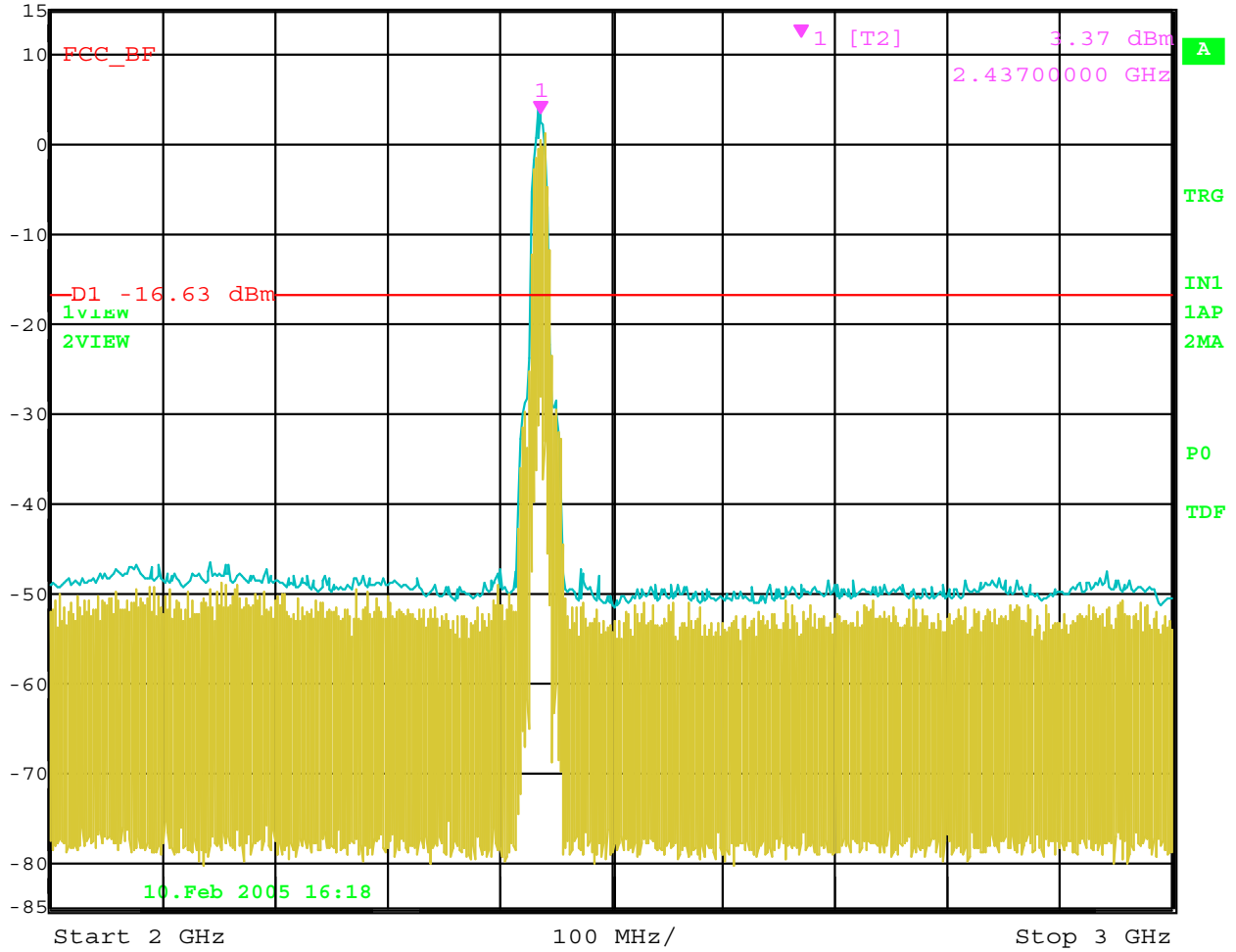


Date: 10.FEB.2005 16:19:18

RF Antenna Conducted Test – Channel 6 – 2 MHz to 2 GHz



Ref Lvl 15 dBm
Marker 1 [T2] 3.37 dBm
2.43700000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

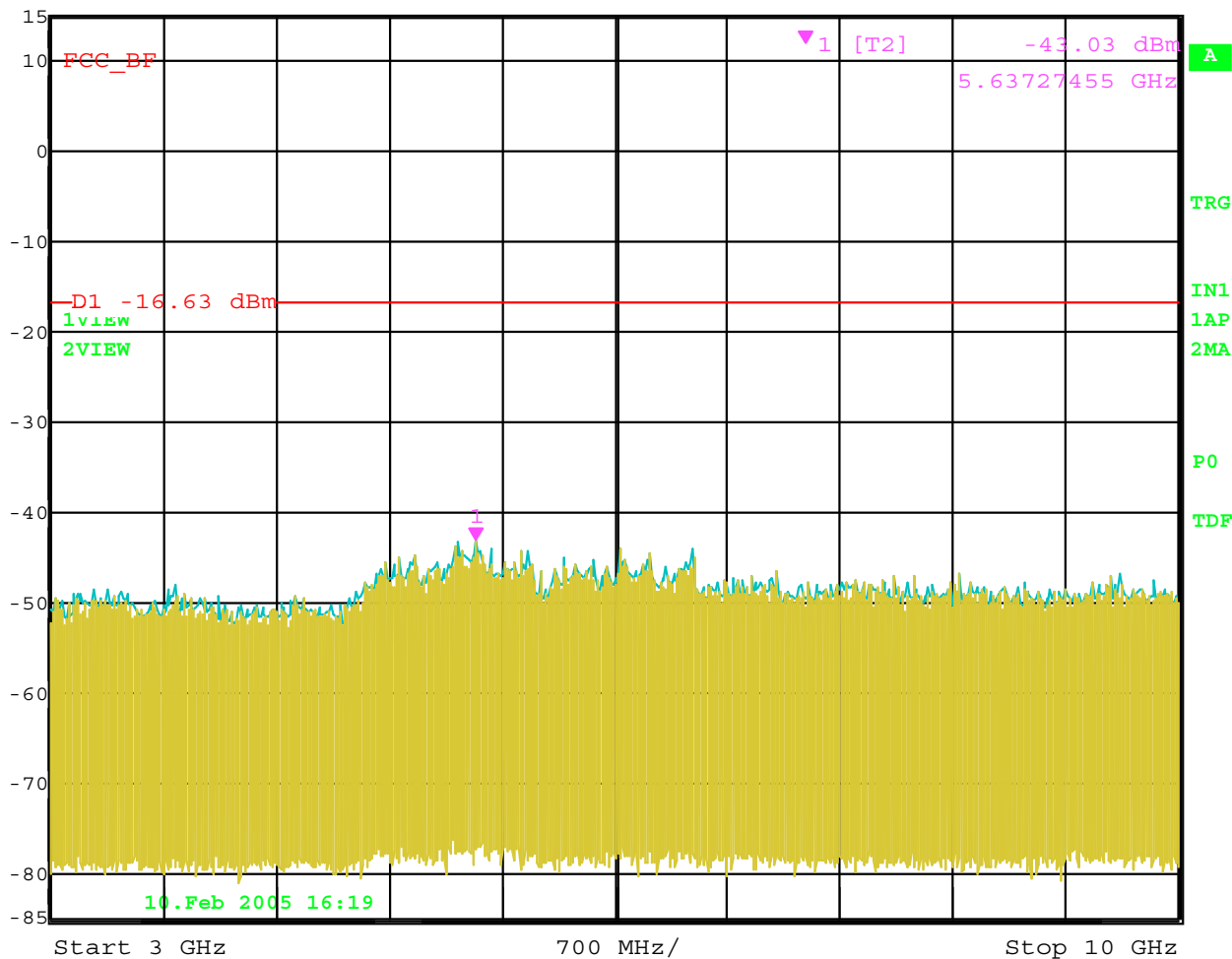


Date: 10.FEB.2005 16:18:40

RF Antenna Conducted Test – Channel 6 – 2 GHz to 3 GHz



Ref Lvl 15 dBm
Marker 1 [T2] -43.03 dBm
5.63727455 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 1.75 s Unit dBm

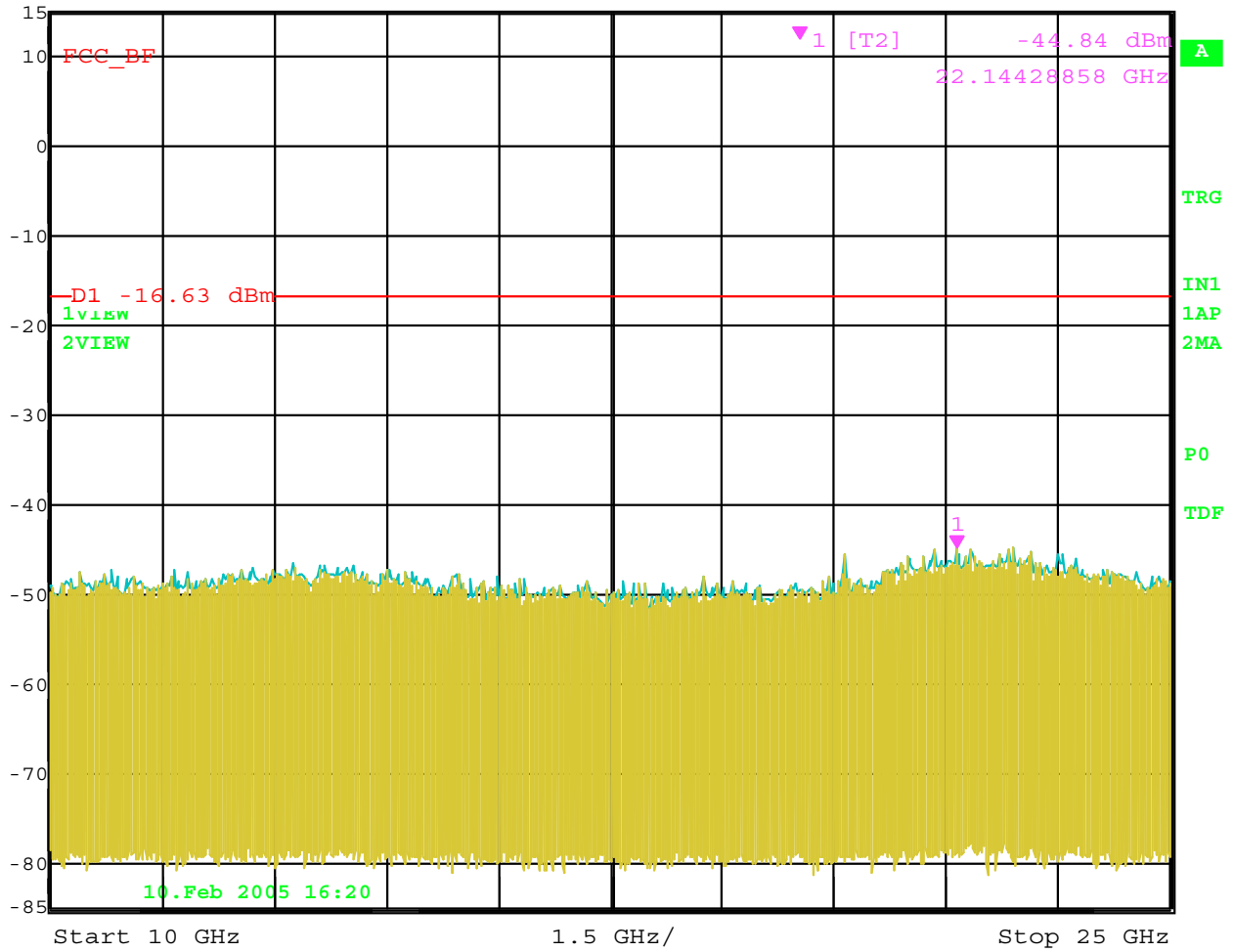


Date: 10.FEB.2005 16:20:03

RF Antenna Conducted Test – Channel 6 – 3 GHz to 10 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-44.84 dBm VBW 300 kHz
22.14428858 GHz SWT 3.8 s Unit dBm

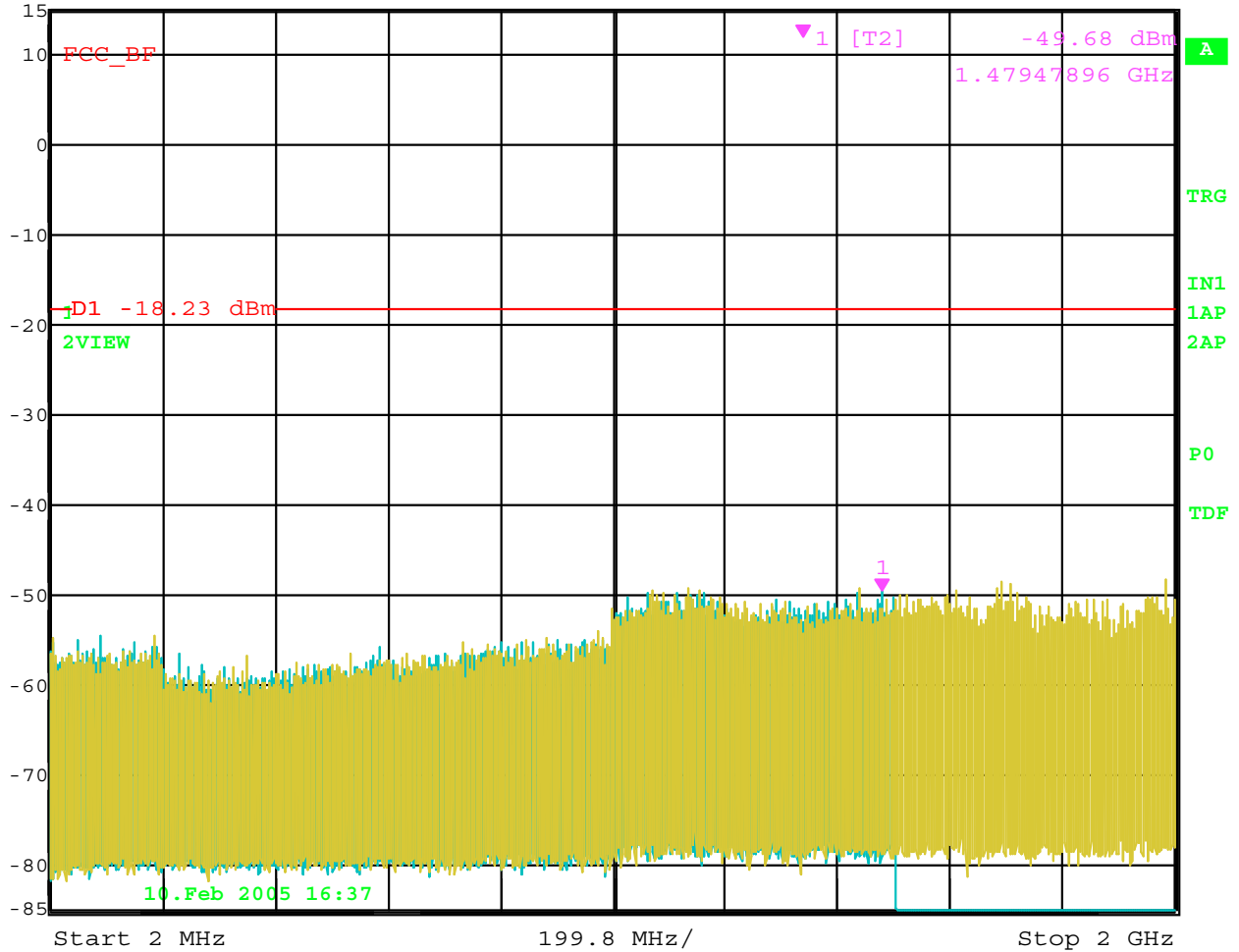


Date: 10.FEB.2005 16:20:43

RF Antenna Conducted Test – Channel 6 – 10 GHz to 25 GHz



Ref Lvl	Marker 1 [T2]	RBW	100 kHz	RF Att	40 dB
15 dBm	-49.68 dBm	VBW	300 kHz		
	1.47947896 GHz	SWT	1.15 s	Unit	dBm

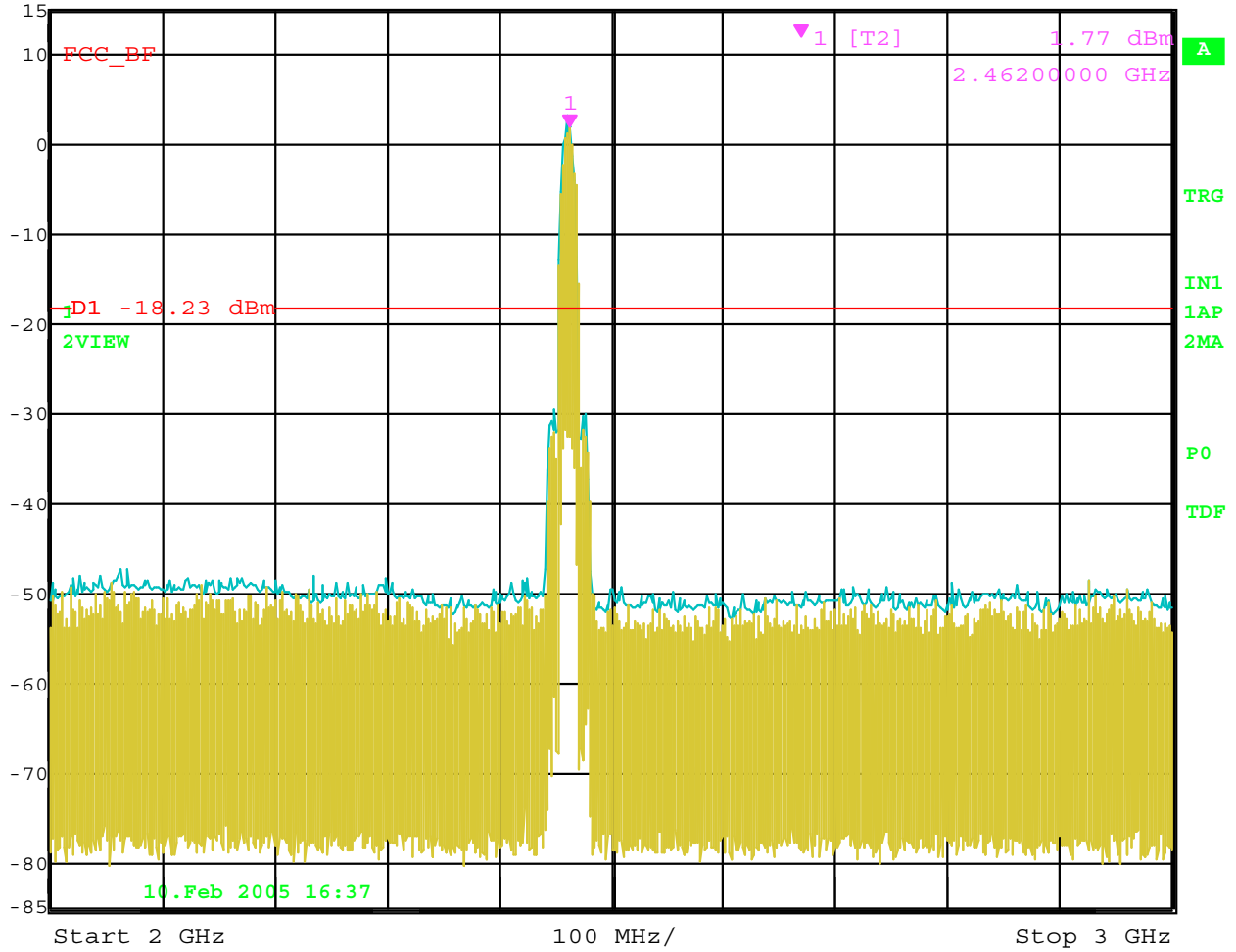


Date: 10.FEB.2005 16:37:41

RF Antenna Conducted Test – Channel 11 – 2 MHz to 2 GHz



Ref Lvl 15 dBm
Marker 1 [T2] 1.77 dBm
2.46200000 GHz
RBW 100 kHz RF Att 40 dB
VBW 300 kHz
SWT 250 ms Unit dBm

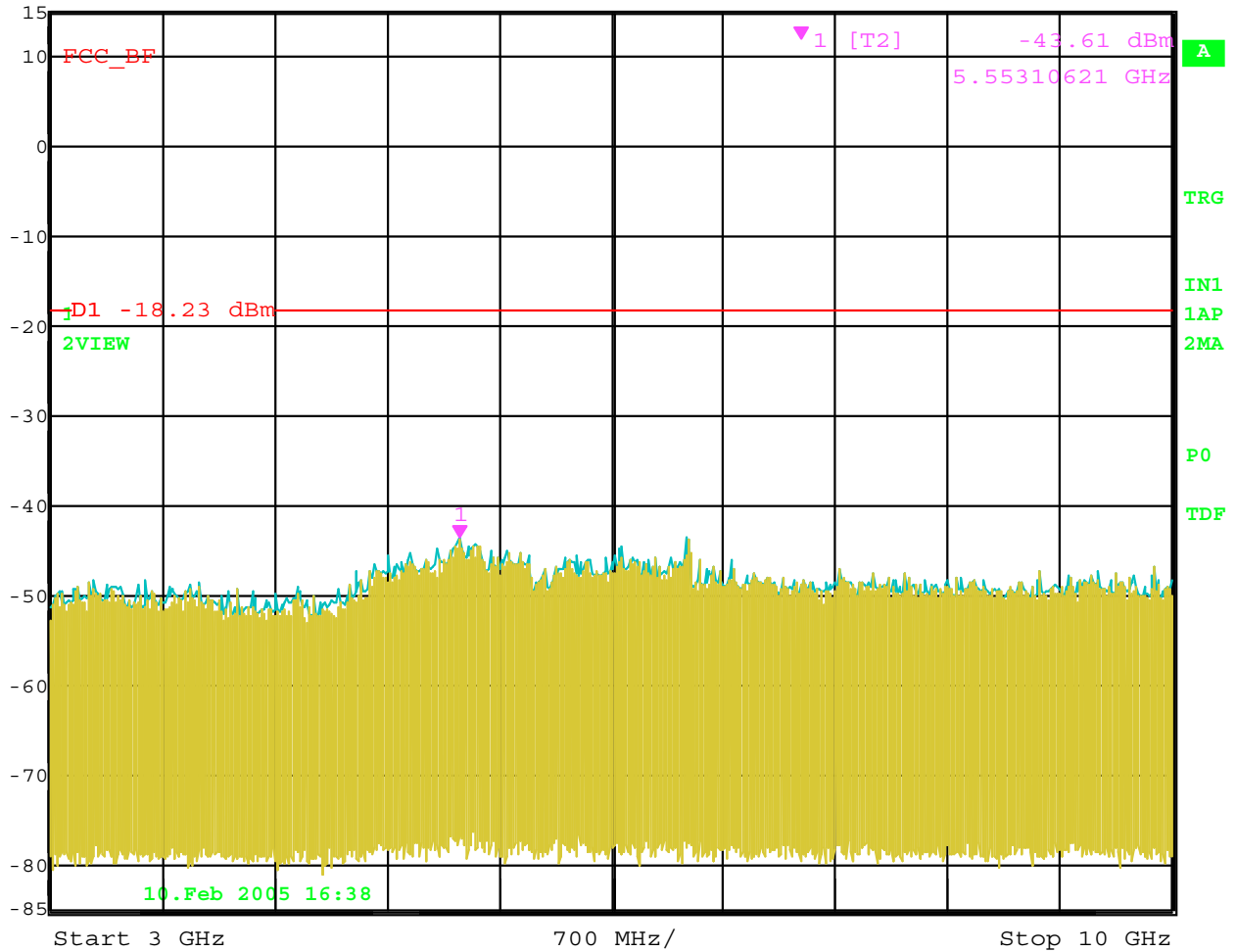


Date: 10.FEB.2005 16:37:03

RF Antenna Conducted Test – Channel 11 – 2 GHz to 3 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-43.61 dBm VBW 300 kHz
5.55310621 GHz SWT 1.75 s Unit dBm

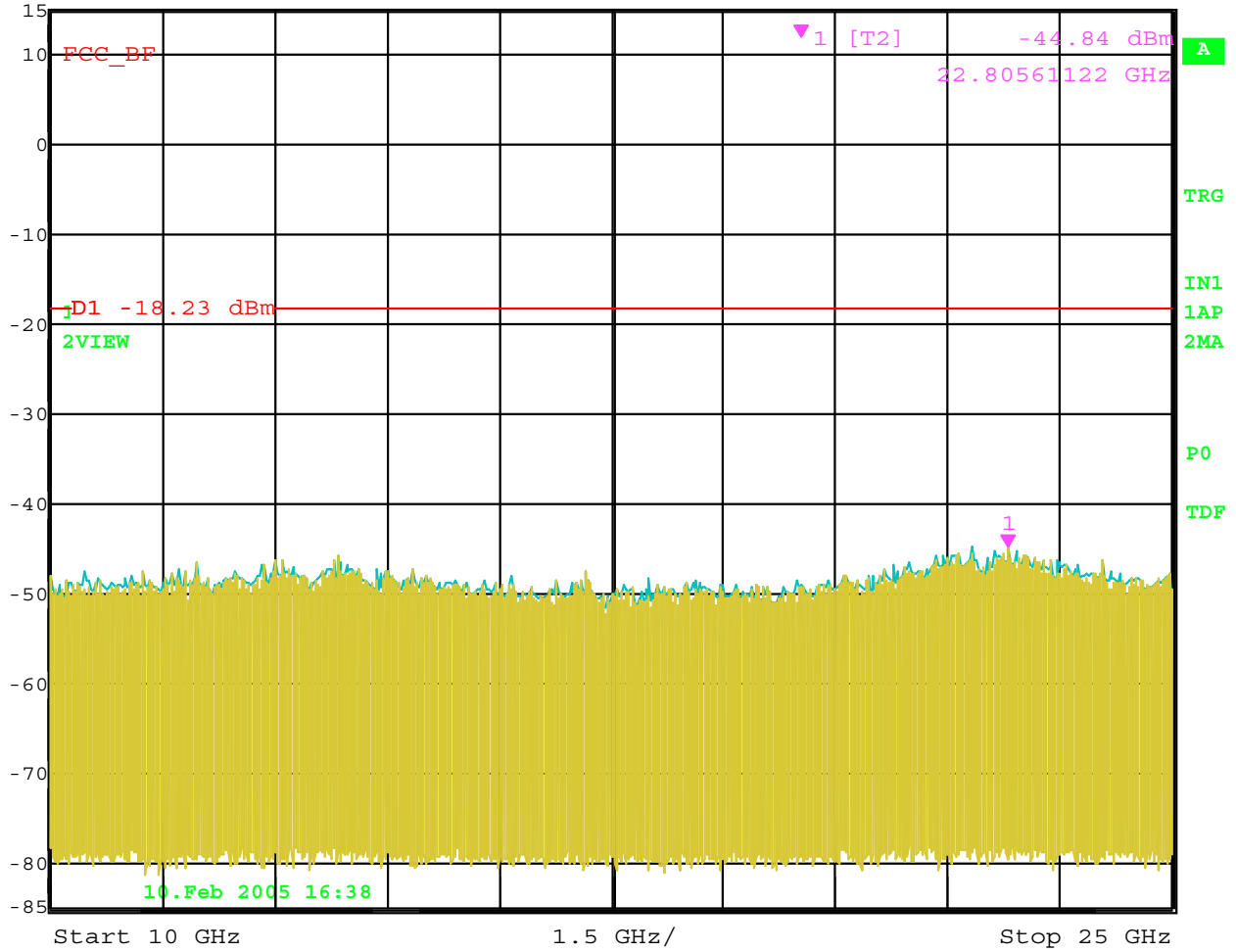


Date: 10.FEB.2005 16:38:18

RF Antenna Conducted Test – Channel 11 – 3 GHz to 10 GHz



Ref Lvl 15 dBm Marker 1 [T2] RBW 100 kHz RF Att 40 dB
-44.84 dBm VBW 300 kHz
22.80561122 GHz SWT 3.8 s Unit dBm



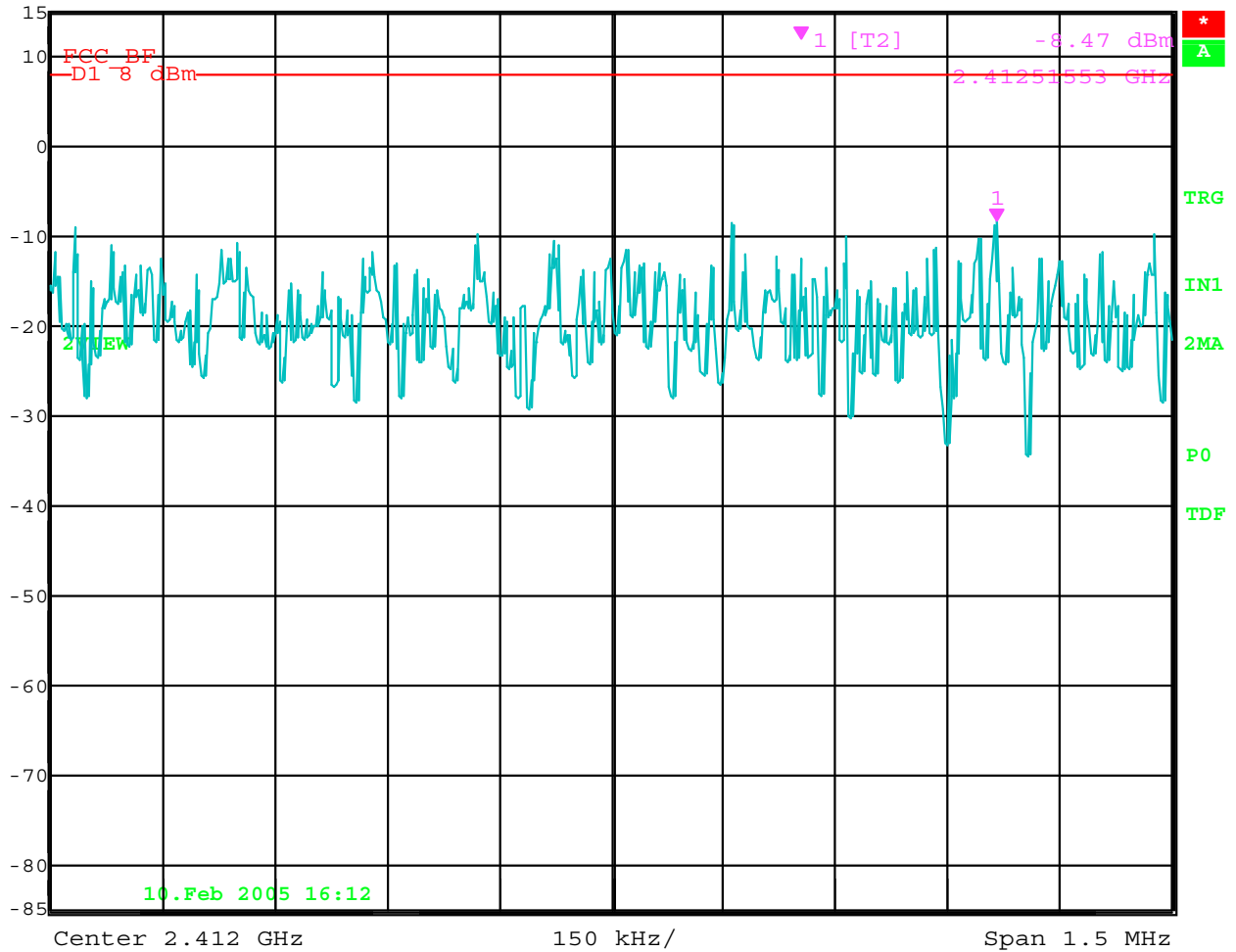
Date: 10.FEB.2005 16:39:01

RF Antenna Conducted Test – Channel 11 – 10 GHz to 25 GHz

PEAK POWER SPECTRAL DENSITY
DATA SHEETS



Ref Lvl 15 dBm Marker 1 [T2] RBW 3 kHz RF Att 40 dB
-8.47 dBm VBW 10 kHz
2.41251553 GHz SWT 500 s Unit dBm

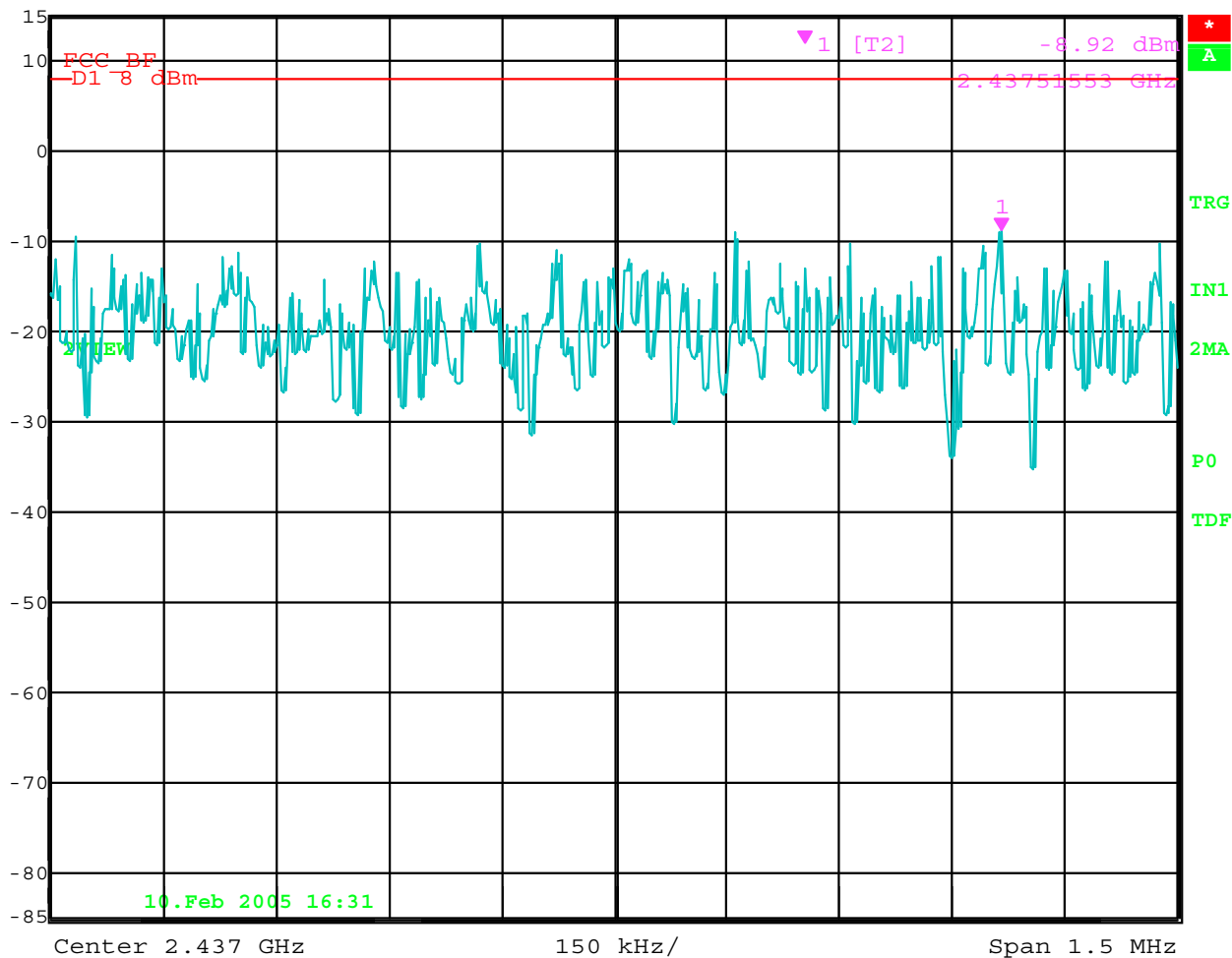


Date: 10.FEB.2005 16:12:49

Spectral Density Output – Channel 1



Ref Lvl 15 dBm Marker 1 [T2] RBW 3 kHz RF Att 40 dB
-8.92 dBm VBW 10 kHz
2.43751553 GHz SWT 500 s Unit dBm

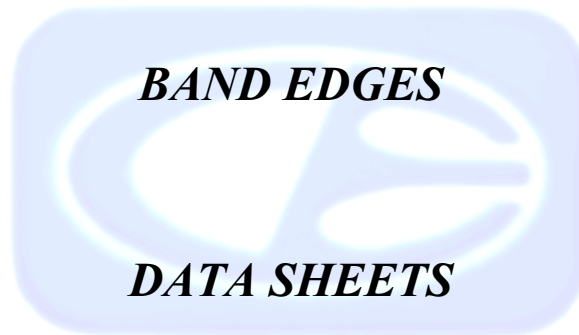


Date: 10.FEB.2005 16:31:33

Spectral Density Output – Channel 6

Date: 10.FEB.2005 16:49:40

Spectral Density Output – Channel 11



FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Date: 02/08/05

Lab: B

Tested By: Kyle Fujimoto

**Worst Case - X-axis for EUT itself
Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	110.25	V	--	--	Peak	2.02	225	Fundamental of Low Channel
2412	101.76	V	--	--	Avg	2.02	225	@ 3 meters
2374.1	58.6	V	74	-15.4	Peak	2.02	225	No Marker Delta Method
2374.6	46.93	V	54	-7.07	Avg	2.02	225	Method Used
2437	110.18	V	--	--	Peak	1.95	180	Fundamental of Middle Channel
2437	102.07	V	--	--	Avg	1.95	180	@ 3 meters
2462	108.46	V	--	--	Peak	1.25	225	Fundamental of High Channel
2462	100.13	V	--	--	Avg	1.25	225	@ 3 meters
2498.8	55.66	V	74	-18.34	Peak	1.25	225	No Marker Delta Method
2498.8	44.03	V	54	-9.97	Avg	1.25	225	Method Used

FCC 15.247

Quatech, Inc.

ThinQ SDS

Model: SSE/DSE-100/400

Configuration: With Internal Antenna

Date: 02/07/05

Lab: B

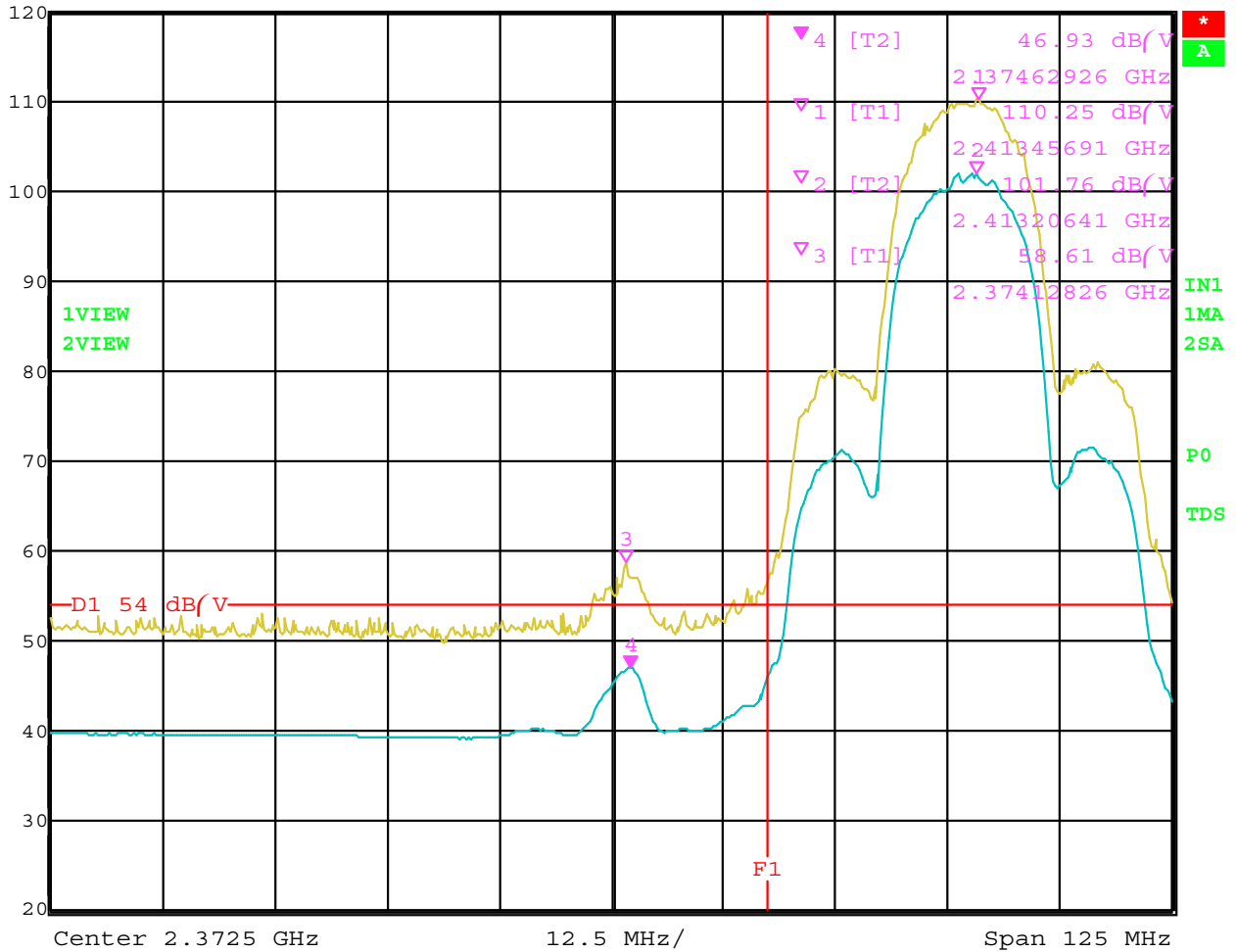
Tested By: Kyle Fujimoto

**Worst Case - X-axis for EUT itself
Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	97.08	H	--	--	Peak	3	225	Fundamental of Low Channel
2412	88.5	H	--	--	Avg	3	225	@ 3 meters
2374	52.32	H	74	-21.68	Peak	3	225	No Marker Delta Method
2374	39.06	H	54	-14.94	Avg	3	225	Method Used
2437	100.06	H	--	--	Peak	3.26	225	Fundamental of Middle Channel
2437	91.93	H	--	--	Avg	3.26	225	@ 3 meters
2462	97.25	H	--	--	Peak	3.07	135	Fundamental of High Channel
2462	88.66	H	--	--	Avg	3.07	135	@ 3 meters
2483.5	51.22	H	74	-22.78	Peak	3.07	135	No Marker Delta Method
2483.5	38.14	H	54	-15.86	Avg	3.07	135	Method Used



Ref Lvl 120 dB/V
Marker 4 [T2] 46.93 dB/V
2.37462926 GHz
RBW 1 MHz
VBW 10 Hz
SWT 32 s
RF Att 30 dB
Unit dB/V

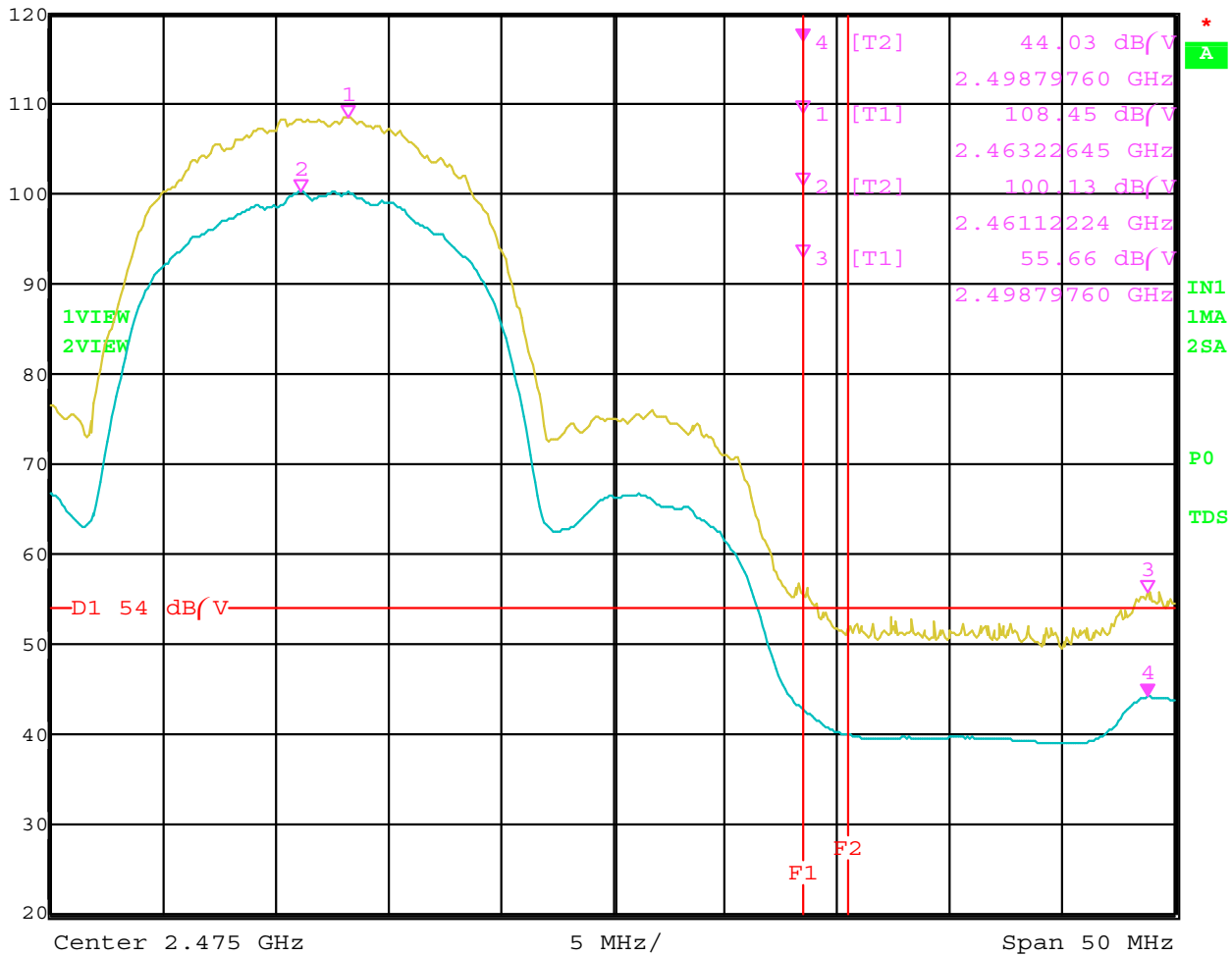


Date: 8.FEB.2005 08:57:40

Band Edge – Channel 1 – Vertical Polarization – X-Axis Worst Case



Ref Lvl 120 dB/V
Marker 4 [T2] 44.03 dB/V
2.49879760 GHz
RBW 1 MHz
RF Att 30 dB
VBW 10 Hz
SWT 12.5 s
Unit dB/V

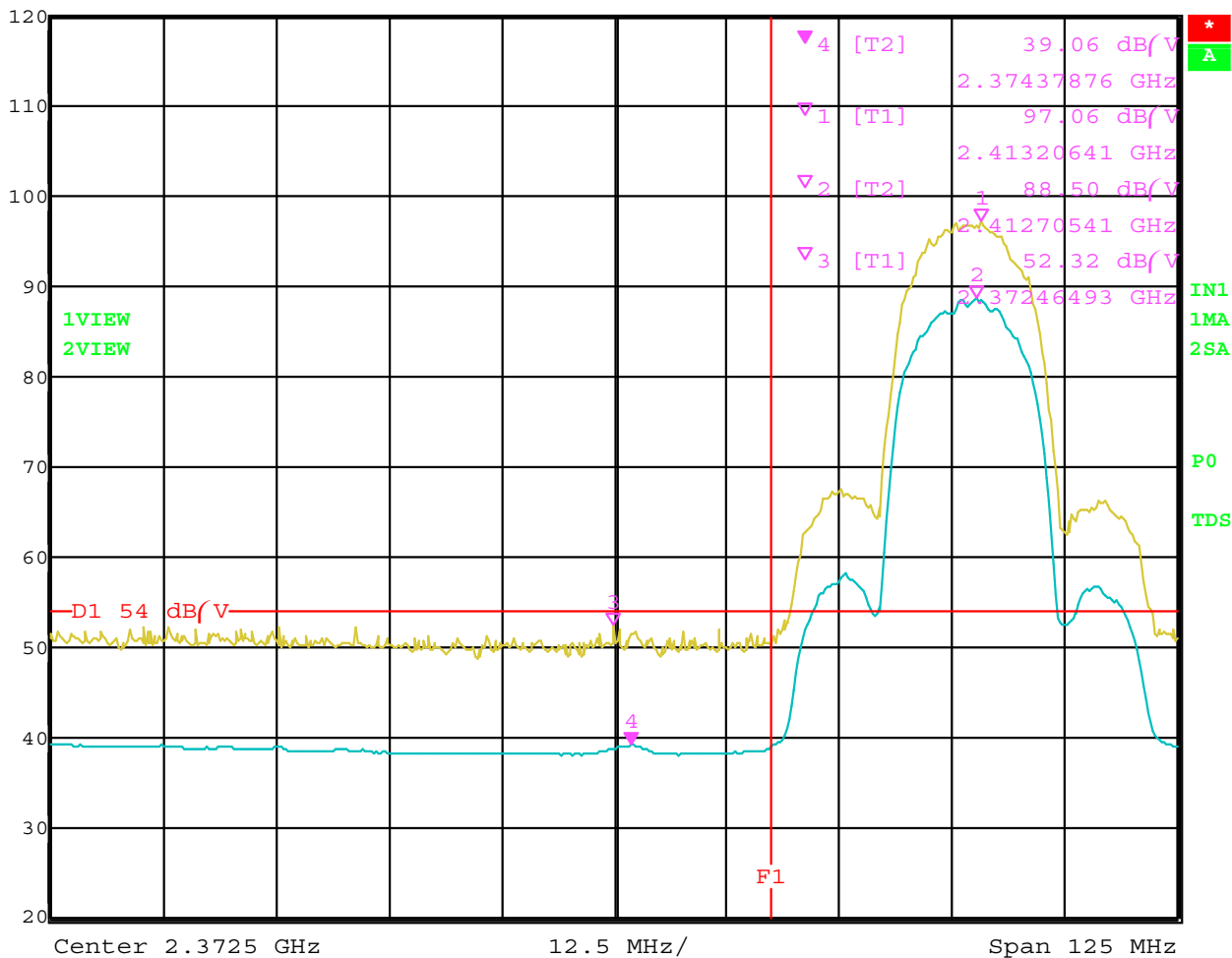


Date: 8.FEB.2005 09:07:06

Band Edge – Channel 11 – Vertical Polarization – X-Axis Worst Case



Ref Lvl 120 dB/V
Marker 4 [T2] 39.06 dB/V
2.37437876 GHz
RBW 1 MHz
VBW 10 Hz
SWT 32 s
RF Att 30 dB
Unit dB/V

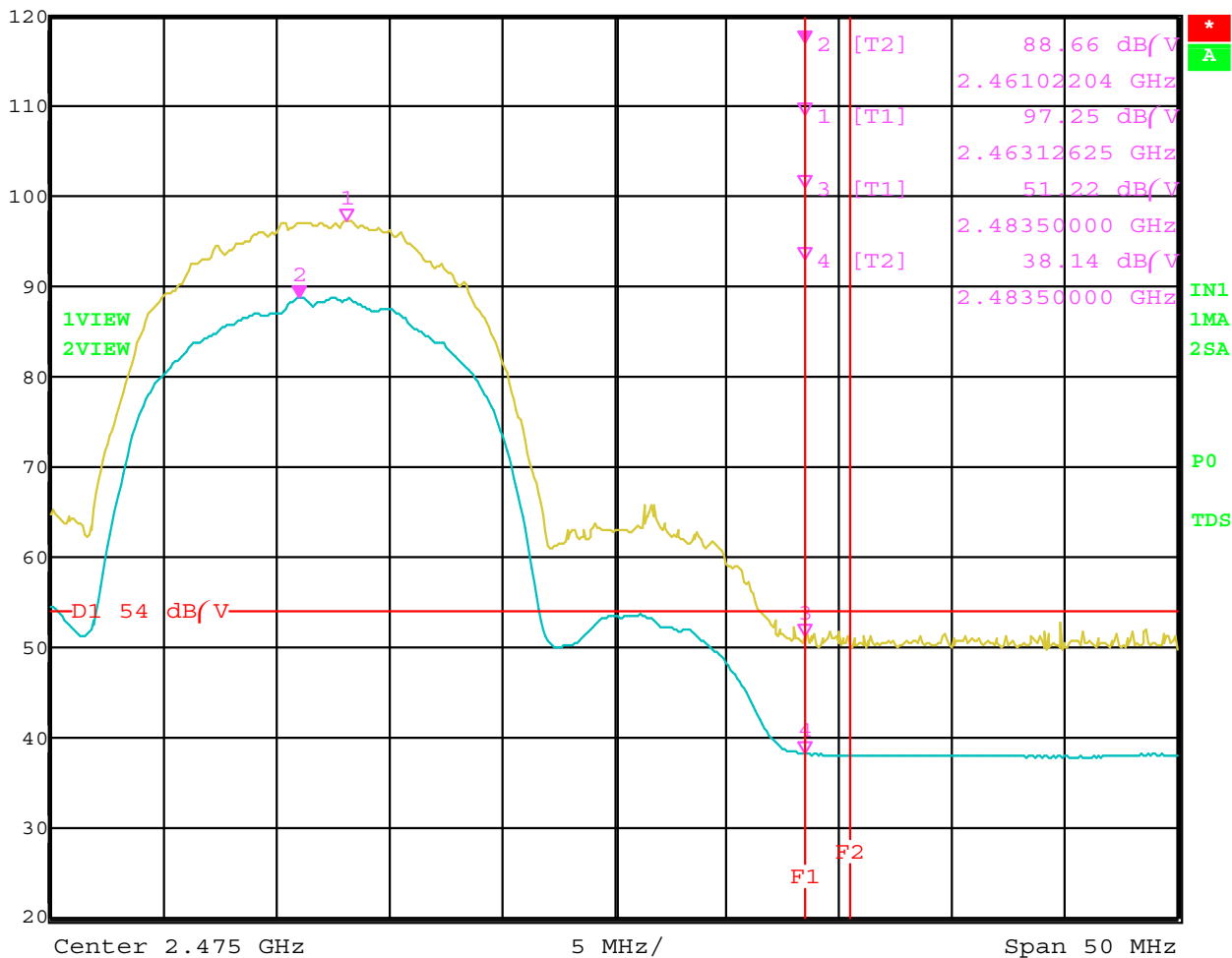


Date: 7.FEB.2005 16:38:54

Band Edge - Channel 1 - Horizontal Polarization - X-Axis Worst Case



Ref Lvl 120 dB/V
Marker 2 [T2] 88.66 dB/V
2.46102204 GHz
RBW 1 MHz
VBW 10 Hz
SWT 12.5 s
RF Att 30 dB
Unit dB/V



Date: 7.FEB.2005 16:47:41

Band Edge – Channel 11 – Horizontal Polarization – X-Axis Worst Case