

**FCC 15.247**

 Roku, inc.  
 Roku Remote  
 Model: RC07

 Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	50.59	V	74	-23.41	Peak	1.25	225	
11490	39.62	V	54	-14.38	Avg	1.25	225	
17235	56.28	V	74	-17.72	Peak	1.35	315	
17235	46.53	V	54	-7.47	Avg	1.35	315	
22980								No Emission Detected
28725								No Emission Detected
34470								No Emission Detected

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	56.93	H	74	-17.07	Peak	1.25	150	
11490	46.11	H	54	-7.89	Avg	1.25	150	
17235	58.31	H	74	-15.69	Peak	1.35	165	
17235	46.64	H	54	-7.36	Avg	1.35	165	
22980								No Emission Detected
28725								No Emission Detected
34470								No Emission Detected

**FCC 15.247**

 Roku, inc.  
 Roku Remote  
 Model: RC07

 Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - X-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	49.76	V	74	-24.24	Peak	1.25	165	
11570	38.31	V	54	-15.69	Avg	1.25	165	
17355	57.77	V	74	-16.23	Peak	1.15	175	
17355	47.65	V	54	-6.35	Avg	1.15	175	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected

**FCC 15.247**

Roku, inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013  
Lab: B  
Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - X-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	49.22	H	74	-24.78	Peak	1.35	165	
11570	38.66	H	54	-15.34	Avg	1.35	165	
17355	57.44	H	74	-16.56	Peak	1.25	175	
17355	48.01	H	54	-5.99	Avg	1.25	175	
23140								No Emission Detected
28925								No Emission Detected
34710								No Emission Detected

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
 Transmit Mode - Y-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	49.87	V	74	-24.13	Peak	1.35	145	
11570	38.58	V	54	-15.42	Avg	1.35	145	
17355	59.08	V	74	-14.92	Peak	1.25	155	
17355	47.99	V	54	-6.01	Avg	1.25	155	
23140								No Emission Detected
28925								No Emission Detected
34710								No Emission Detected

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujmoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
 Transmit Mode - Y-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	59.23	H	74	-14.77	Peak	1.35	145	
11570	46.02	H	54	-7.98	Avg	1.35	145	
17355	58.62	H	74	-15.38	Peak	1.25	155	
17355	48.85	H	54	-5.15	Avg	1.25	155	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected

**FCC 15.247**

 Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013

 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	50.06	V	74	-23.94	Peak	1.35	125	
11570	38.61	V	54	-15.39	Avg	1.35	125	
17355	58.17	V	74	-15.83	Peak	1.25	115	
17355	47.86	V	54	-6.14	Avg	1.25	115	
23140								No Emission Detected
23140								
28925								No Emission Detected
28925								
34710								No Emission Detected
34710								

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	50.02	H	74	-23.98	Peak	1.35	165	
11570	39.82	H	54	-14.18	Avg	1.35	165	
17355	58.93	H	74	-15.07	Peak	1.25	175	
17355	48.09	H	54	-5.91	Avg	1.25	175	
23140								No Emission Detected
28925								No Emission Detected
34710								No Emission Detected



FCC 15.247

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
 Transmit Mode - X-Axis - 5825 MHz Harmonics

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	51.14	V	74	-22.86	Peak	1.35	165	
11650	38.77	V	54	-15.23	Avg	1.35	165	
17475	62.03	V	74	-11.97	Peak	1.25	175	
17475	49.12	V	54	-4.88	Avg	1.25	175	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC 15.247**

Roku, inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013

Lab: B  
Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
Transmit Mode - X-Axis - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	49.63	H	74	-24.37	Peak	1.35	165	
11650	39.24	H	54	-14.76	Avg	1.35	165	
17475	60.86	H	74	-13.14	Peak	1.25	175	
17475	48.47	H	54	-5.53	Avg	1.25	175	
23300								No Emission
23300								Detected
29125								No Emission
29125								Detected
34950								No Emission
34950								Detected

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
 Transmit Mode - Y-Axis - 5825 MHz Harmonics

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	49.61	V	74	-24.39	Peak	1.35	165	
11650	38.71	V	54	-15.29	Avg	1.35	165	
17475	61.98	V	74	-12.02	Peak	1.25	175	
17475	49.88	V	54	-4.12	Avg	1.25	175	
23300								No Emission Detected
23300								
29125								No Emission Detected
29125								
34950								No Emission Detected
34950								

**FCC 15.247**

Roku, inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013  
Lab: B  
Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1  
Transmit Mode - Y-Axis - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	49.42	H	74	-24.58	Peak	1.35	165	
11650	38.59	H	54	-15.41	Avg	1.35	165	
17475	60.23	H	74	-13.77	Peak	1.25	175	
17475	49.12	H	54	-4.88	Avg	1.25	175	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	51.09	V	74	-22.91	Peak	1.35	165	
11650	38.69	V	54	-15.31	Avg	1.35	165	
17475	59.02	V	74	-14.98	Peak	1.25	175	
17475	49.69	V	54	-4.31	Avg	1.25	175	
23300								No Emission Detected
23300								
29125								No Emission Detected
29125								
34950								No Emission Detected
34950								

**FCC 15.247**  
Roku, inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013  
Lab: B  
Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case - Antenna 1**  
**Transmit Mode - Z-Axis - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	50.71	H	74	-23.29	Peak	1.35	165	
11650	38.69	H	54	-15.31	Avg	1.35	165	
17475	59.64	H	74	-14.36	Peak	1.25	185	
17475	49.07	H	54	-4.93	Avg	1.25	185	
23300								No Emission Detected
23300								
29125								No Emission Detected
29125								
34950								No Emission Detected
34950								

**FCC Subpart B**

Roku, Inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013  
Lab: B  
Tested By: Kyle Fujmoto

**802.11 a Mode - Antenna 1**

Digital Portion and Non-Harmonic Emissions of the Transmitter - 1 GHz to 40 GHz

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Digital Portion of the EUT in 802.11 a Mode from 1000 MHz to 40000 MHz for both Vertical and Horizontal Polarizations
								No Emissions Found for the Non-Harmonic Emissions of the Tx in 802.11 a Mode from 1000 MHz to 40000 MHz for both Vertical and Horizontal Polarizations
								Tested in the X-Axis, Y-Axis, and Z-Axis

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

 Dates: 09/03/2013 and 09/04/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - X-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	57.04	V	74	-16.96	Peak	1.35	195	
11490	45.97	V	54	-8.03	Avg	1.35	195	
17235	57.71	V	74	-16.29	Peak	1.25	205	
17235	45.97	V	54	-8.03	Avg	1.25	205	
22980								No Emission Detected
22980								Detected
28725								No Emission Detected
28725								Detected
34470								No Emission Detected
34470								Detected



**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - X-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	50.41	H	74	-23.59	Peak	1.35	165	
11490	38.96	H	54	-15.04	Avg	1.35	165	
17235	59.11	H	74	-14.89	Peak	1.25	175	
17235	46.11	H	54	-7.89	Avg	1.25	175	
22980								No Emission Detected
28725								No Emission Detected
34470								No Emission Detected

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case**

**Transmit Mode - Y-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	49.42	V	74	-24.58	Peak	1.25	155	
11490	39.31	V	54	-14.69	Avg	1.25	155	
17235	56.81	V	74	-17.19	Peak	1.25	175	
17235	46.15	V	54	-7.85	Avg	1.25	175	
22980								No Emission
22980								Detected
28725								No Emission
28725								Detected
34470								No Emission
34470								Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case**
**Transmit Mode - Y-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	50.94	H	74	-23.06	Peak	1.25	165	
11490	39.36	H	54	-14.64	Avg	1.25	165	
17235	56.74	H	74	-17.26	Peak	1.35	185	
17235	46.27	H	54	-7.73	Avg	1.35	185	
22980								No Emission Detected
28725								No Emission Detected
34470								No Emission Detected

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B  
 Tested By: Kyle Fujmoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case  
 Transmit Mode - Z-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	49.59	V	74	-24.41	Peak	1.25	135	
11490	38.65	V	54	-15.35	Avg	1.25	135	
17235	56.08	V	74	-17.92	Peak	1.25	155	
17235	46.65	V	54	-7.35	Avg	1.25	155	
22980								No Emission Detected
28725								No Emission Detected
34470								No Emission Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 149 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Z-Axis - Antenna 2 - 5745 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11490	58.21	H	74	-15.79	Peak	1.35	165	
11490	45.76	H	54	-8.24	Avg	1.35	165	
17235	56.62	H	74	-17.38	Peak	1.25	175	
17235	46.24	H	54	-7.76	Avg	1.25	175	
22980								No Emission Detected
22980								
28725								No Emission Detected
28725								
34470								No Emission Detected
34470								

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - X-Axis - Antenna 2 - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	49.86	V	74	-24.14	Peak	1.35	165	
11570	39.11	V	54	-14.89	Avg	1.35	165	
17355	58.93	V	74	-15.07	Peak	1.25	175	
17355	48.36	V	54	-5.64	Avg	1.25	175	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected

FCC 15.247

Roku, Inc.  
Roku Remote  
Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B  
Tested By: Kyle Fujimoto

Channel 157 - 802.11 a Mode - 6 Mbps Worst Case  
Transmit Mode - X-Axis - Antenna 2 - 5785 MHz Harmonics

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	49.57	H	74	-24.43	Peak	1.35	135	
11570	38.91	H	54	-15.09	Avg	1.35	135	
17355	58.02	H	74	-15.98	Peak	1.25	145	
17355	47.57	H	54	-6.43	Avg	1.25	145	
23140								No Emission Detected
23140								
28925								No Emission Detected
28925								
34710								No Emission Detected
34710								

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Y-Axis - Antenna 2 - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	57.36	V	74	-16.64	Peak	1.25	165	
11570	45.48	V	54	-8.52	Avg	1.25	165	
17355	58.52	V	74	-15.48	Peak	1.35	185	
17355	47.61	V	54	-6.39	Avg	1.35	185	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected



**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Y-Axis - Antenna 2 - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	57.66	H	74	-16.34	Peak	1.35	145	
11570	45.56	H	54	-8.44	Avg	1.35	145	
17355	59.75	H	74	-14.25	Peak	1.25	155	
17355	47.51	H	54	-6.49	Avg	1.25	155	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case**
**Transmit Mode - Z-Axis - Antenna 2 - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	56.57	V	74	-17.43	Peak	1.35	165	
11570	45.91	V	54	-8.09	Avg	1.35	165	
17355	59.47	V	74	-14.53	Peak	1.25	175	
17355	47.85	V	54	-6.15	Avg	1.25	175	
23140								No Emission
23140								Detected
28925								No Emission
28925								Detected
34710								No Emission
34710								Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 157 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Z-Axis - Antenna 2 - 5785 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11570	47.61	H	74	-26.39	Peak	1.35	125	
11570	39.07	H	54	-14.93	Avg	1.35	125	
17355	58.87	H	74	-15.13	Peak	1.25	145	
17355	47.42	H	54	-6.58	Avg	1.25	145	
23140								No Emission Detected
23140								
28925								No Emission Detected
28925								
34710								No Emission Detected
34710								

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - X-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	50.71	V	74	-23.29	Peak	1.25	145	
11650	38.73	V	54	-15.27	Avg	1.25	145	
17475	60.64	V	74	-13.36	Peak	1.25	145	
17475	49.08	V	54	-4.92	Avg	1.25	145	
23300								No Emission Detected
23300								Detected
29125								No Emission Detected
29125								Detected
34950								No Emission Detected
34950								Detected

**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - X-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	50.53	H	74	-23.47	Peak	1.25	145	
11650	38.57	H	54	-15.43	Avg	1.25	145	
17475	60.22	H	74	-13.78	Peak	1.25	155	
17475	49.03	H	54	-4.97	Avg	1.25	155	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case  
 Transmit Mode - Y-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	50.29	V	74	-23.71	Peak	1.25	145	
11650	38.48	V	54	-15.52	Avg	1.25	145	
17475	60.16	V	74	-13.84	Peak	1.15	135	
17475	49.61	V	54	-4.39	Avg	1.15	135	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC 15.247**

 Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013

Lab: B

Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Y-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	56.83	H	74	-17.17	Peak	1.25	165	
11650	45.16	H	54	-8.84	Avg	1.25	165	
17475	61.78	H	74	-12.22	Peak	1.25	175	
17475	48.99	H	54	-5.01	Avg	1.25	175	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC 15.247**

Roku, Inc.  
Roku Remote  
Model: RC07

Dates: 09/03/2013 and 09/04/2013  
Lab: B  
Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case**  
**Transmit Mode - Z-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	56.35	V	74	-17.65	Peak	1.25	165	
11650	45.16	V	54	-8.84	Avg	1.25	165	
17475	60.33	V	74	-13.67	Peak	1.25	145	
17475	49.08	V	54	-4.92	Avg	1.25	145	
23300								No Emission
23300								Detected
29125								No Emission
29125								Detected
34950								No Emission
34950								Detected



**FCC 15.247**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/03/2013 and 09/04/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

**Channel 165 - 802.11 a Mode - 6 Mbps Worst Case  
 Transmit Mode - Z-Axis - Antenna 2 - 5825 MHz Harmonics**

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
11650	50.67	H	74	-23.33	Peak	1.35	145	
11650	38.92	H	54	-15.08	Avg	1.35	145	
17475	59.81	H	74	-14.19	Peak	1.2	155	
17475	48.64	H	54	-5.36	Avg	1.25	155	
23300								No Emission Detected
29125								No Emission Detected
34950								No Emission Detected

**FCC Subpart B**

Roku, Inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013

Lab: B

Tested By: Kyle Fujimoto

**802.11 a Mode - Antenna 2**

**Digital Portion and Non-Harmonic Emissions of the Transmitter - 1 GHz to 40 GHz**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Digital Portion of the EUT in 802.11 a Mode from 1000 MHz to 40000 MHz for both Vertical and Horizontal Polarizations
								No Emissions Found for the Non-Harmonic Emissions of the Tx in 802.11 a Mode from 1000 MHz to 40000 MHz for both Vertical and Horizontal Polarizations
								Tested in the X-Axis, Y-Axis, and Z-Axis

**Test Location** : Compatible Electronics  
**Customer** : Roku, Inc.  
**Manufacturer** : Roku, Inc.  
**Eut name** : Roku Remote  
**Model** : RC07  
**Serial #** : N/A  
**Specification** : FCC B

**Page** : 1/2  
**Date** : 09 / 11 / 2013  
**Time** : 01:53:52 PM  
**Lab** : A  
**Test Distance** : 3.00

**Distance correction factor (20 \* log(test/spec))** : 0.00

**Test Type:** Spurious Emissions Qualification Scan  
**Test Range:** 10 kHz to 1 GHz (Vertical and Horizontal)  
**Test Engineer:** James Ross  
**EUT Antenna 1:** 802.11a (low band & high band) and 802.11g

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

**802.11g Mode**

H	208.878	63.00	2.07	9.51	32.64	41.94	43.50	-1.56
H	208.878Qp	60.55	2.07	9.51	32.64	39.49	43.50	-4.01
H	233.459	52.50	2.23	10.64	32.33	33.04	46.00	-12.96
H	184.304	49.60	1.87	8.63	32.86	27.24	43.50	-16.26
H	331.778	44.80	2.99	13.36	32.24	28.91	46.00	-17.09
V	184.309	51.90	1.87	8.63	32.86	29.54	43.50	-13.96
V	208.926	64.30	2.07	9.51	32.64	43.25	43.50	-0.25
V	208.926Qp	61.86	2.07	9.51	32.64	40.81	43.50	-2.69
V	233.470	51.10	2.23	10.64	32.33	31.64	46.00	-14.36
V	258.048	46.90	2.40	11.48	32.31	28.47	46.00	-17.53

**802.11a (5.15 GHz to 5.25 GHz) Mode**

V	135.162	54.40	1.68	9.25	33.00	32.33	43.50	-11.17
V	159.722	53.30	1.80	8.96	32.96	31.10	43.50	-12.40
V	184.306	51.90	1.87	8.63	32.86	29.54	43.50	-13.96
V	208.906	63.60	2.07	9.51	32.64	42.54	43.50	-0.96
V	208.906Qp	62.03	2.07	9.51	32.64	40.97	43.50	-2.53
V	233.460	50.60	2.23	10.64	32.33	31.14	46.00	-14.86
H	135.164	45.90	1.68	9.24	33.00	23.83	43.50	-19.67
H	159.744	47.70	1.80	8.96	32.96	25.50	43.50	-18.00
H	184.324	49.10	1.87	8.63	32.86	26.74	43.50	-16.76
H	208.874	63.60	2.07	9.51	32.64	42.54	43.50	-0.96
H	208.888Qp	62.19	2.07	9.51	32.64	41.13	43.50	-2.37
H	233.471	52.40	2.23	10.64	32.33	32.94	46.00	-13.06
H	258.051	46.00	2.40	11.48	32.31	27.57	46.00	-18.43
H	110.582	50.50	1.43	9.70	33.00	28.63	43.50	-14.87

**802.11a (5.725 GHz to 5.850 GHz) Mode**

H	110.582	50.90	1.43	9.70	33.00	29.03	43.50	-14.47
H	135.169	46.50	1.68	9.24	33.00	24.43	43.50	-19.07
H	159.738	48.40	1.80	8.96	32.96	26.20	43.50	-17.30

**Test Location** : Compatible Electronics **Page:** 2/2  
**Customer** : Roku, Inc. **Date:** 09 / 11 / 2013  
**Manufacturer** : Roku, Inc. **Time:** 01:53:52 PM  
**Eut name** : Roku Remote **Lab:** A  
**Model** : RC07 **Test Distance** : 3.00  
**Serial #** : N/A  
**Specification** : FCC B

**Distance correction factor (20 \* log(test/spec))** : 0.00

**Test Type:** Spurious Emissions Qualification Scan  
**Test Range:** 10 kHz to 1 GHz (Vertical and Horizontal)  
**Test Engineer:** James Ross  
**EUT Antenna 1:** 802.11a (low band & high band) and 802.11g

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

**Continuing: 802.11a (5.725 GHz to 5.850 GHz) Mode**

H	184.329	48.80	1.87	8.63	32.86	26.44	43.50	-17.06
H	208.888	59.50	2.07	9.51	32.64	38.44	43.50	-5.06
H	233.492	51.20	2.23	10.64	32.33	31.74	46.00	-14.26
H	258.053	47.80	2.40	11.48	32.31	29.37	46.00	-16.63
H	331.790	45.80	2.99	13.36	32.24	29.91	46.00	-16.09
H	356.370	42.10	3.15	14.33	32.22	27.36	46.00	-18.64
V	110.582	55.80	1.43	9.70	33.00	33.93	43.50	-9.57
V	135.162	55.30	1.68	9.25	33.00	33.23	43.50	-10.27
V	159.746	53.90	1.80	8.96	32.96	31.70	43.50	-11.80
V	184.326	49.30	1.87	8.63	32.86	26.94	43.50	-16.56
V	208.899	58.80	2.07	9.51	32.64	37.74	43.50	-5.76
V	233.479	48.20	2.23	10.64	32.33	28.74	46.00	-17.26
V	258.059	46.60	2.40	11.48	32.31	28.17	46.00	-17.83

**Test Location** : Compatible Electronics **Page** : 1/2  
**Customer** : Roku, Inc. **Date** : 09 / 12 / 2013  
**Manufacturer** : Roku, Inc. **Time** : 11:23:08 AM  
**Eut name** : Roku Remote **Lab** : A  
**Model** : RC07 **Test Distance** : 3.00  
**Serial #** : N/A  
**Specification** : FCC B  
**Distance correction factor (20 \* log(test/spec))** : 0.00

**Test Type:** Spurious Emissions Qualification Scan  
**Test Range:** 10 kHz to 1 GHz (Vertical and Horizontal)  
**Test Engineer:** James Ross  
**EUT Antenna 2:** 802.11a (low band & high band) and 802.11g

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

**802.11g Mode**

V	110.606	56.80	1.43	9.70	33.00	34.93	43.50	-8.57
V	135.170	53.70	1.68	9.24	33.00	31.63	43.50	-11.87
V	159.750	54.20	1.80	8.96	32.96	32.00	43.50	-11.50
V	184.330	47.80	1.87	8.63	32.86	25.44	43.50	-18.06
V	208.910	56.70	2.07	9.51	32.64	35.65	43.50	-7.85
V	233.483	47.20	2.23	10.64	32.33	27.74	46.00	-18.26
V	258.063	49.80	2.40	11.48	32.31	31.37	46.00	-14.63
H	110.600	51.20	1.43	9.70	33.00	29.33	43.50	-14.17
H	135.180	46.40	1.68	9.24	33.00	24.32	43.50	-19.18
H	159.745	48.50	1.80	8.96	32.96	26.30	43.50	-17.20
H	184.325	47.70	1.87	8.63	32.86	25.34	43.50	-18.16
H	208.892	55.20	2.07	9.51	32.64	34.14	43.50	-9.36
H	233.468	47.30	2.23	10.64	32.33	27.84	46.00	-18.16
H	258.050	45.70	2.40	11.48	32.31	27.27	46.00	-18.73

**802.11a (5.15 GHz to 5.25 GHz) Mode**

H	110.591	51.00	1.43	9.70	33.00	29.13	43.50	-14.37
H	135.171	44.80	1.68	9.24	33.00	22.73	43.50	-20.77
H	159.750	48.50	1.80	8.96	32.96	26.30	43.50	-17.20
H	184.322	46.80	1.87	8.63	32.86	24.44	43.50	-19.06
H	208.902	51.10	2.07	9.51	32.64	30.04	43.50	-13.46
H	233.482	47.80	2.23	10.64	32.33	28.34	46.00	-17.66
H	258.062	46.20	2.40	11.48	32.31	27.77	46.00	-18.23
H	307.209	43.40	2.84	12.23	32.26	26.22	46.00	-19.78
H	331.789	42.60	2.99	13.36	32.24	26.71	46.00	-19.29
V	110.589	57.50	1.43	9.70	33.00	35.63	43.50	-7.87
V	135.169	53.70	1.68	9.24	33.00	31.63	43.50	-11.87
V	159.749	54.50	1.80	8.96	32.96	32.30	43.50	-11.20
V	184.329	49.30	1.87	8.63	32.86	26.94	43.50	-16.56
V	208.909	54.20	2.07	9.51	32.64	33.15	43.50	-10.35
V	233.489	47.40	2.23	10.64	32.33	27.94	46.00	-18.06

**Test Location** : Compatible Electronics **Page:** 2/2  
**Customer** : Roku, Inc. **Date:** 09 / 12 / 2013  
**Manufacturer** : Roku, Inc. **Time:** 11:23:08 AM  
**Eut name** : Roku Remote **Lab:** A  
**Model** : RC07 **Test Distance** : 3.00  
**Serial #** : N/A  
**Specification** : FCC B  
**Distance correction factor (20 \* log(test/spec))** : 0.00

**Test Type:** Spurious Emissions Qualification Scan  
**Test Range:** 10 kHz to 1 GHz (Vertical and Horizontal)  
**Test Engineer:** James Ross  
**EUT Antenna 2:** 802.11a (low band & high band) and 802.11g

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

**Continued: 802.11a (5.15 GHz to 5.25 GHz) Mode**

V	258.055	47.20	2.40	11.48	32.31	28.77	46.00	-17.23
V	307.206	43.70	2.84	12.23	32.26	26.52	46.00	-19.48
V	331.768	47.40	2.99	13.36	32.24	31.51	46.00	-14.49
V	356.348	41.70	3.15	14.33	32.22	26.96	46.00	-19.04

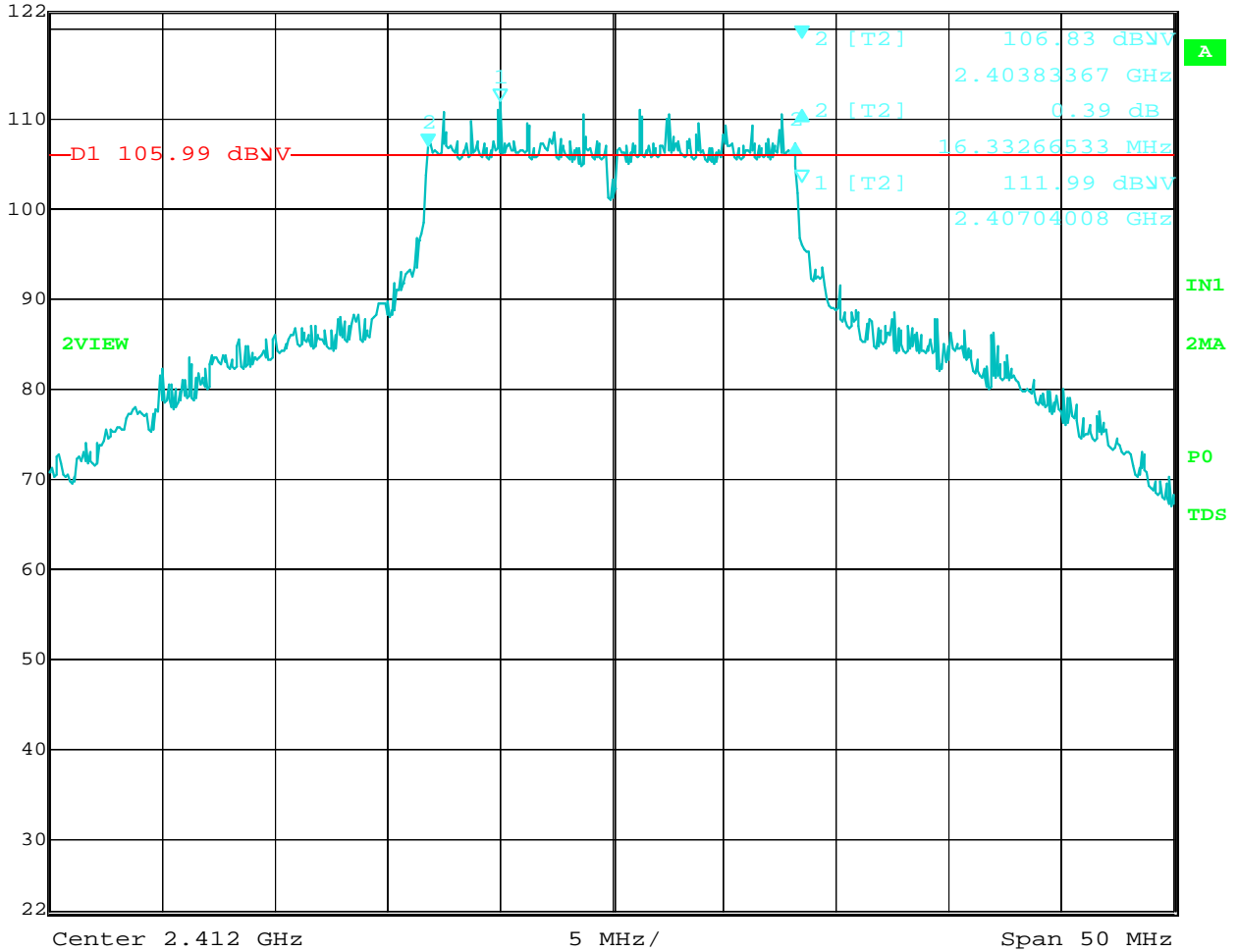
**802.11a (5.725 GHz to 5.850 GHz) Mode**

V	110.602	55.00	1.43	9.70	33.00	33.13	43.50	-10.37
V	135.182	53.80	1.68	9.24	33.00	31.72	43.50	-11.78
V	159.762	52.40	1.80	8.95	32.96	30.19	43.50	-13.31
V	184.323	49.40	1.87	8.63	32.86	27.04	43.50	-16.46
V	208.914	59.20	2.07	9.51	32.64	38.15	43.50	-5.35
V	233.500	49.30	2.23	10.64	32.33	29.84	46.00	-16.16
V	258.050	46.10	2.40	11.48	32.31	27.67	46.00	-18.33
V	331.753	47.90	2.99	13.36	32.24	32.01	46.00	-13.99
V	356.378	43.10	3.15	14.33	32.22	28.36	46.00	-17.64
V	380.921	41.60	3.35	14.82	32.19	27.57	46.00	-18.43
V	405.501	39.90	3.54	15.34	32.17	26.62	46.00	-19.38
H	110.603	50.70	1.43	9.70	33.00	28.83	43.50	-14.67
H	135.158	46.30	1.68	9.25	33.00	24.23	43.50	-19.27
H	159.738	48.50	1.80	8.96	32.96	26.30	43.50	-17.20
H	184.318	44.80	1.87	8.63	32.86	22.44	43.50	-21.06
H	208.911	57.50	2.07	9.51	32.64	36.45	43.50	-7.05
H	233.491	47.70	2.23	10.64	32.33	28.24	46.00	-17.76
H	258.071	44.50	2.40	11.48	32.31	26.07	46.00	-19.93
H	356.391	40.90	3.15	14.33	32.22	26.16	46.00	-19.84





Delta 2 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl 0.39 dB VBW 300 kHz  
 122 dBmV 16.33266533 MHz SWT 12.5 ms Unit dBmV



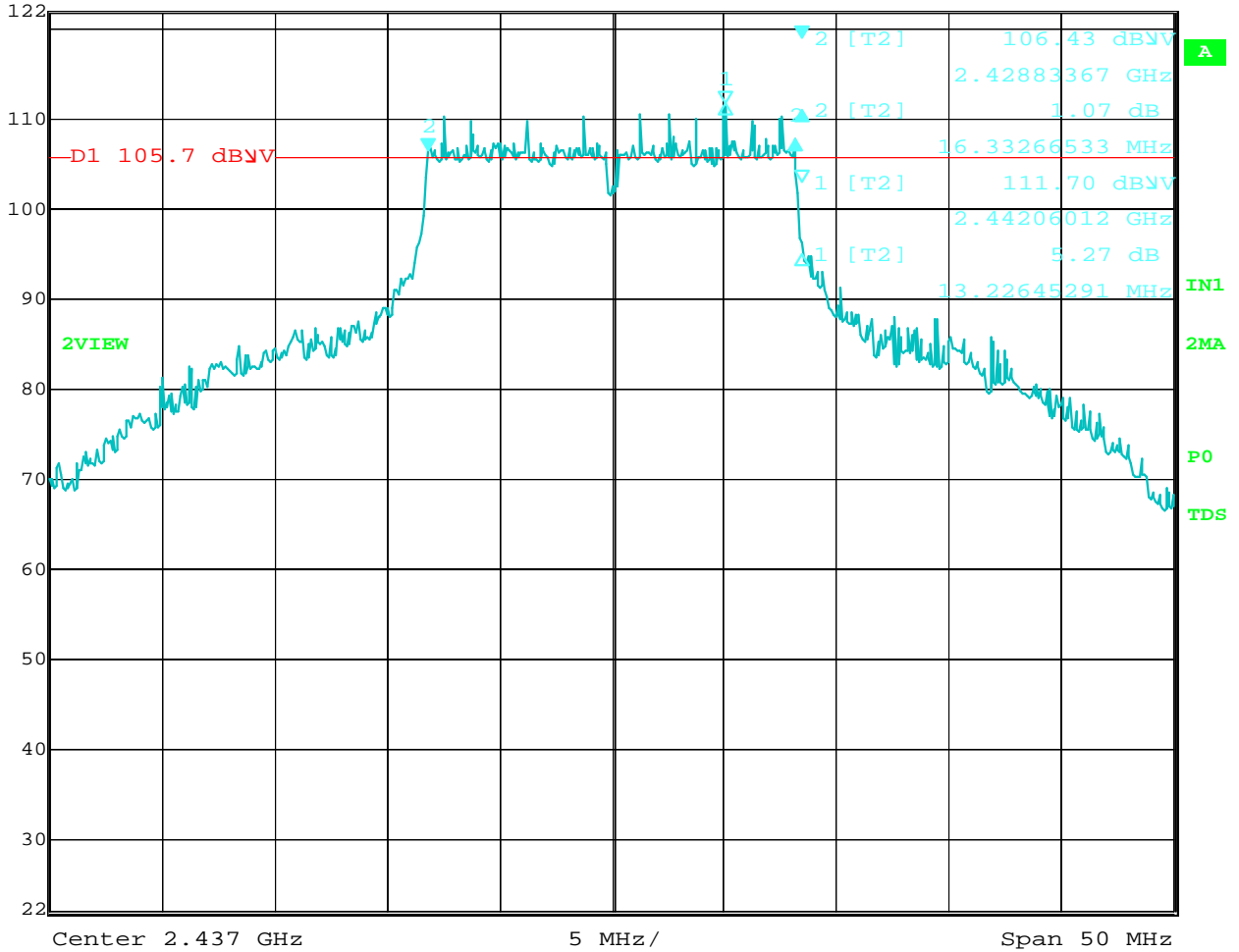
Date: 11.SEP.2013 07:26:38

Bandwidth 6 dB – Channel 1 – 802.11 g Mode





Delta 2 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl 1.07 dB VBW 300 kHz  
 122 dBμV 16.33266533 MHz SWT 12.5 ms Unit dBμV

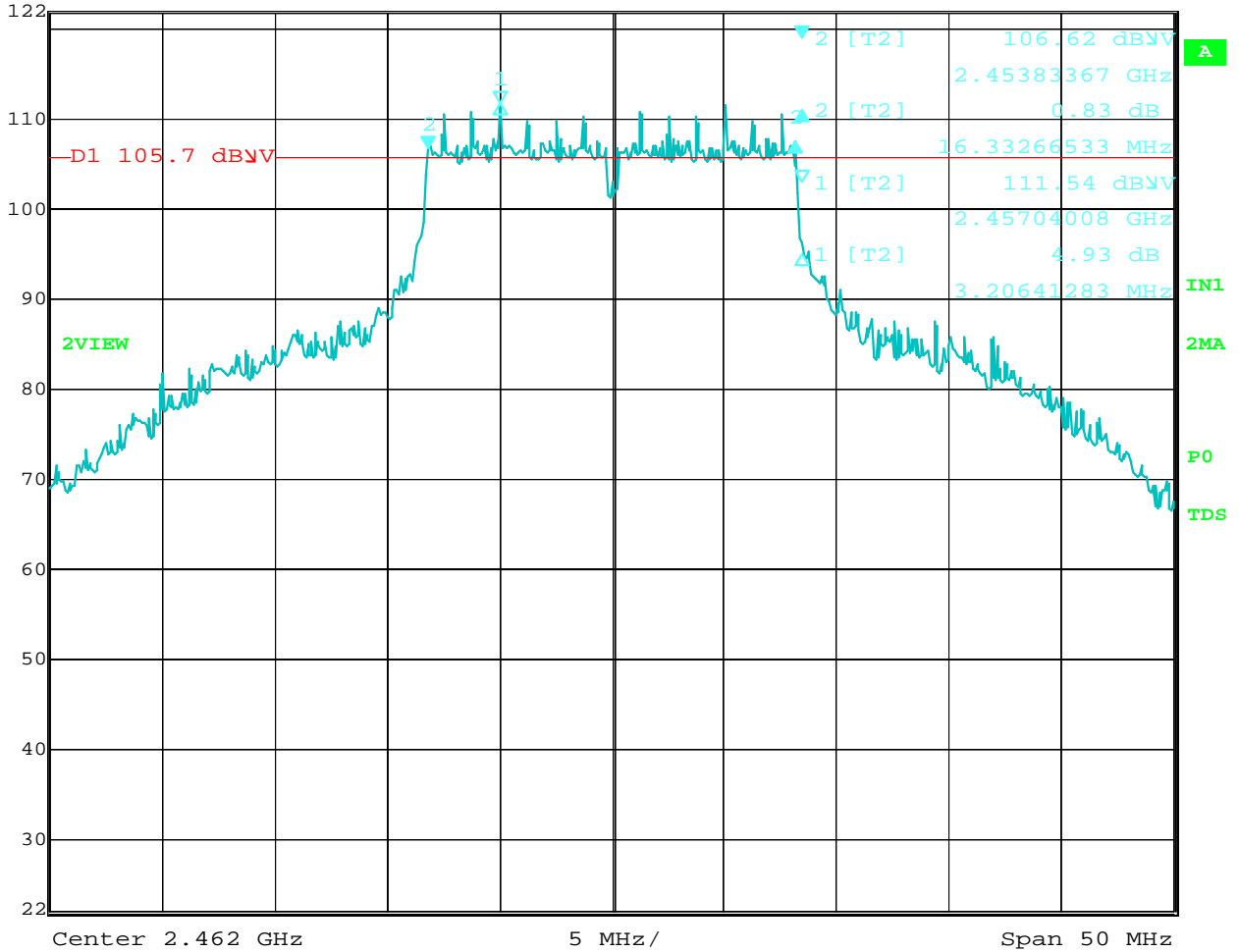


Date: 11.SEP.2013 07:27:52

Bandwidth 6 dB – Channel 6 – 802.11 g Mode



Delta 2 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl 0.83 dB VBW 300 kHz  
 122 dBμV 16.33266533 MHz SWT 12.5 ms Unit dBμV

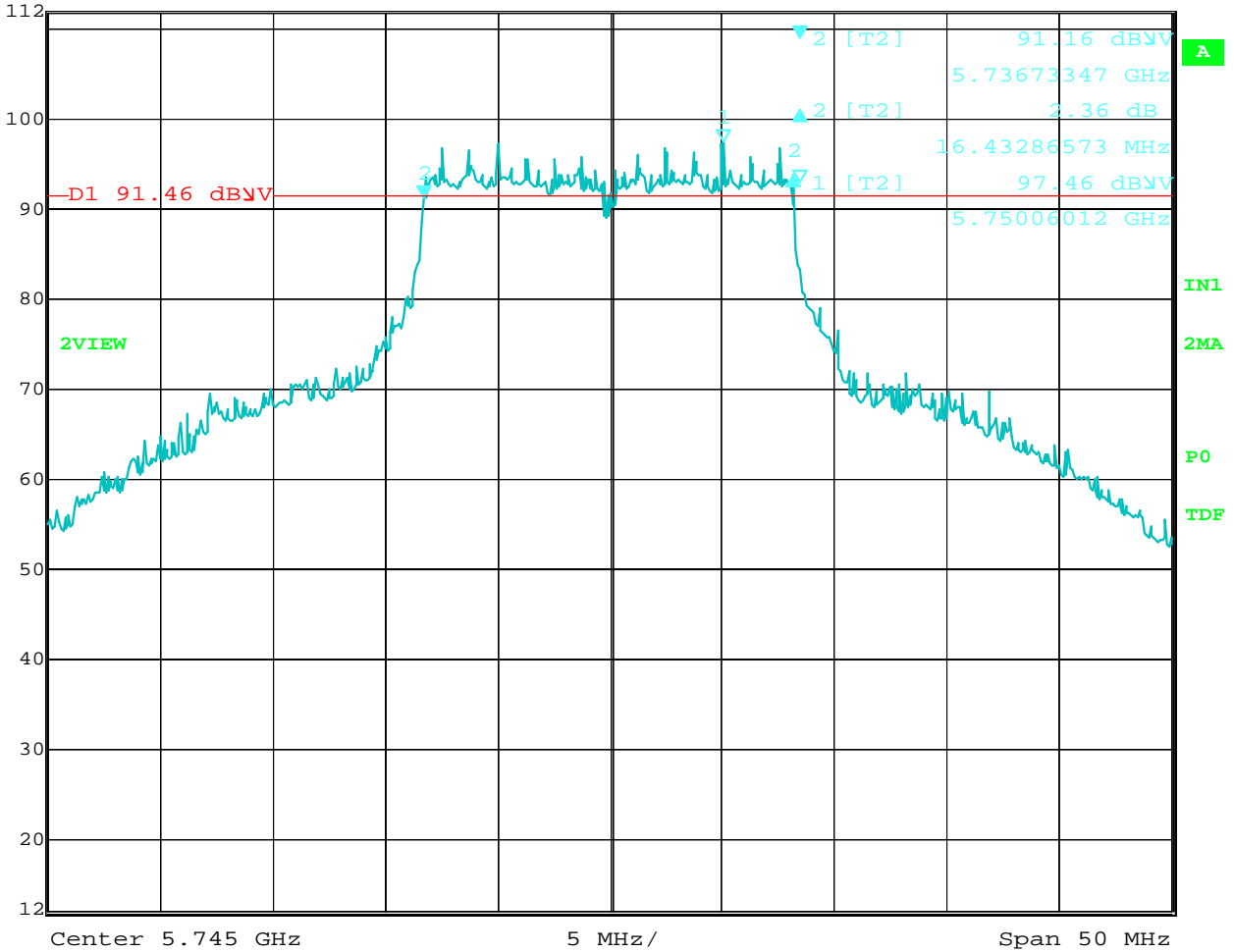


Date: 11.SEP.2013 07:29:25

Bandwidth 6 dB – Channel 11 – 802.11 g Mode



Delta 2 [T2] RBW 100 kHz RF Att 20 dB  
 Ref Lvl 2.36 dB VBW 300 kHz  
 112 dBmV 16.43286573 MHz SWT 12.5 ms Unit dBmV

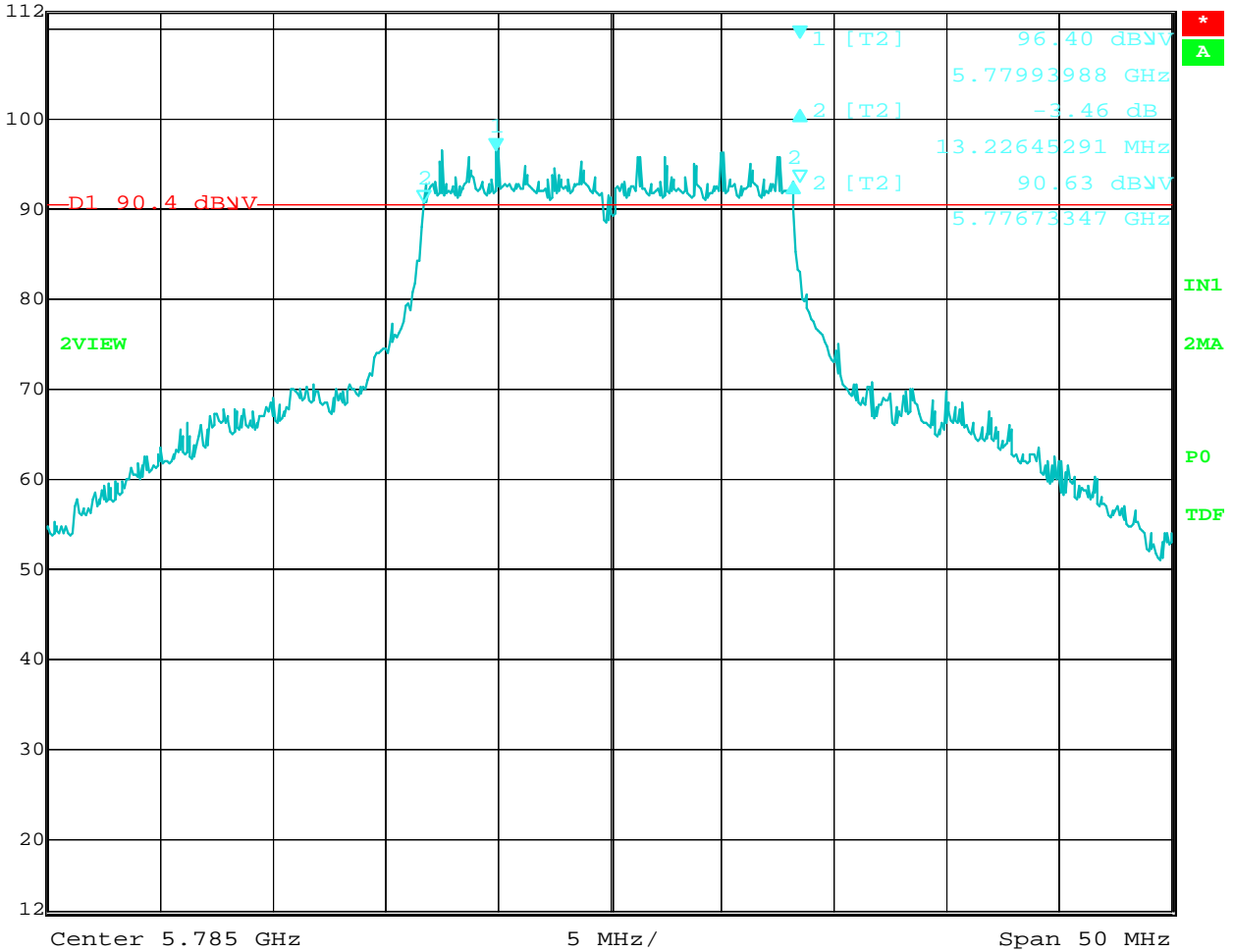


Date: 11.SEP.2013 08:20:02

Bandwidth 6 dB – Channel 149 – 802.11 a Mode



Delta 2 [T2] RBW 100 kHz RF Att 20 dB  
 Ref Lvl -3.46 dB VBW 300 kHz  
 112 dBmV 13.22645291 MHz SWT 12.5 ms Unit dBmV

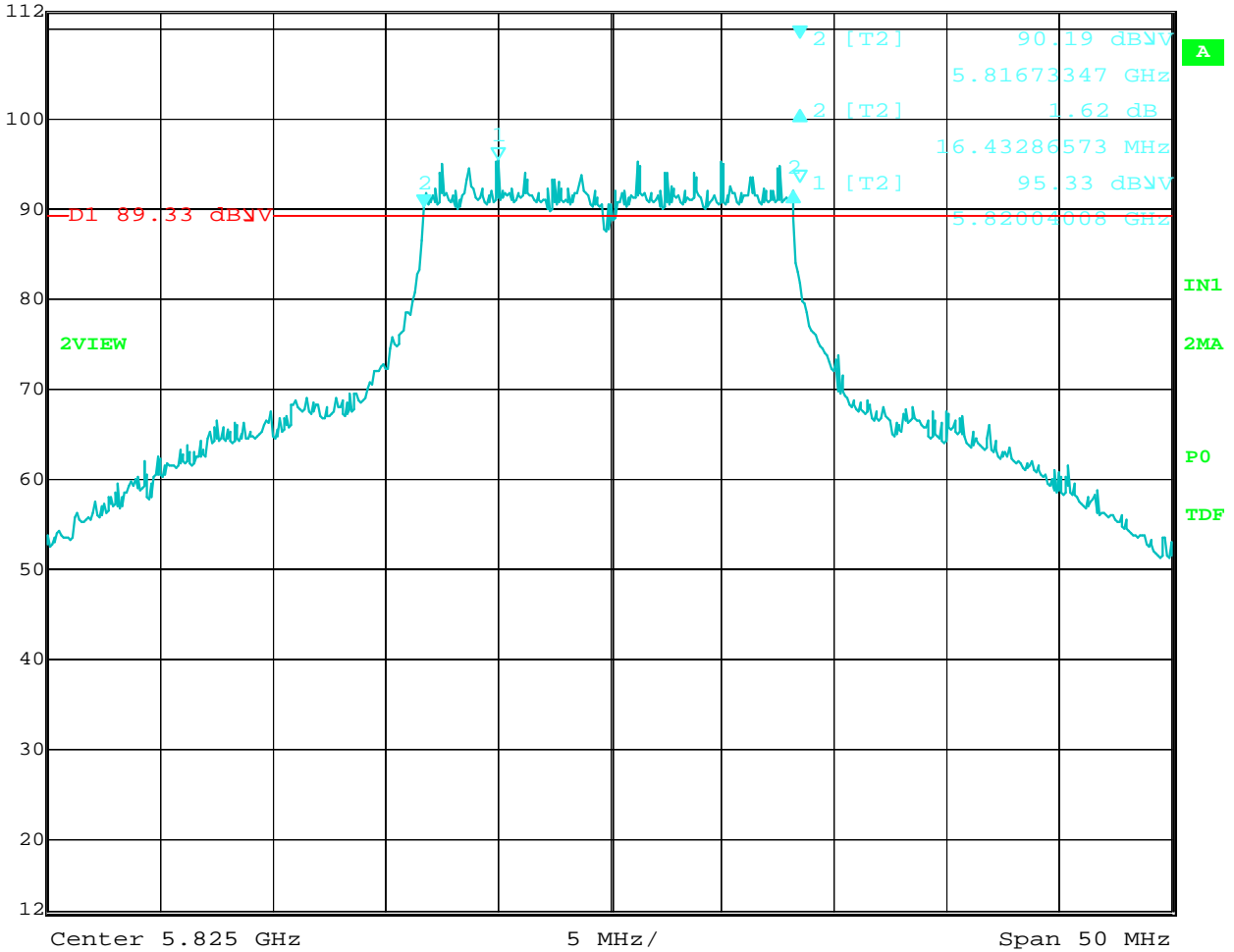


Date: 11.SEP.2013 08:23:28

Bandwidth 6 dB – Channel 157 – 802.11 a Mode



Delta 2 [T2] RBW 100 kHz RF Att 20 dB  
 Ref Lvl 1.62 dB VBW 300 kHz  
 112 dBmV 16.43286573 MHz SWT 12.5 ms Unit dBmV



Date: 11.SEP.2013 08:39:27

Bandwidth 6 dB – Channel 165 – 802.11 a Mode

***PEAK POWER OUTPUT***

***DATA SHEETS***

**PEAK OUTPUT POWER****ROKU REMOTE****MODEL: RC07****802.11 g Mode**

<b>CHANNEL</b>	<b>Peak Power (dBm)</b>
1 (2412 MHz)	16.11
6 (2437 MHz)	15.84
11 (2462 MHz)	15.53

**802.11 a Mode**

<b>CHANNEL</b>	<b>Peak Power (dBm)</b>
149 (5745 MHz)	9.28
157 (5785 MHz)	5.73
165 (5825 MHz)	8.17



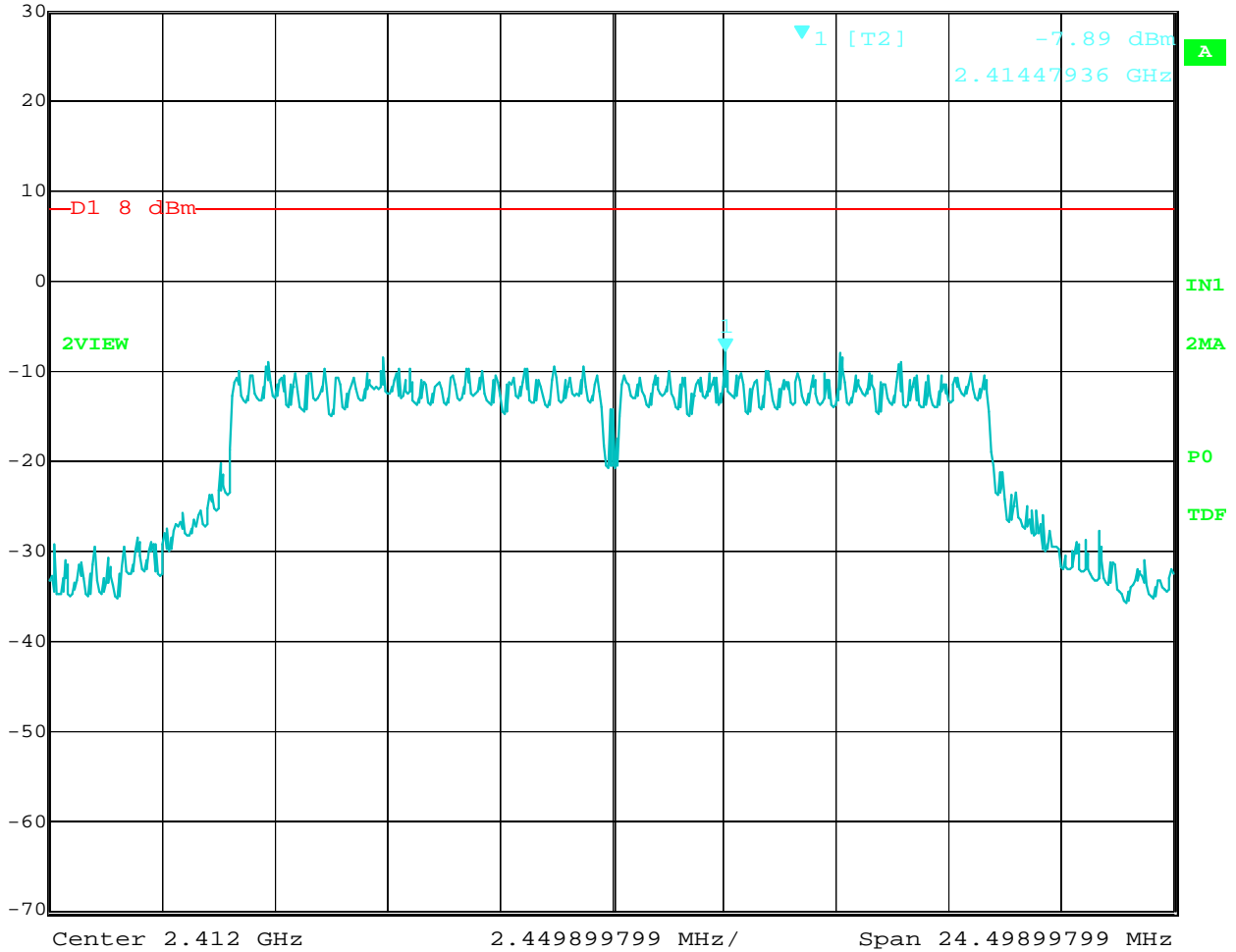
***SPECTRAL DENSITY OUTPUT***

***DATA SHEETS***





Marker 1 [T2] RBW 30 kHz RF Att 50 dB  
 Ref Lvl -7.89 dBm VBW 100 kHz  
 30 dBm 2.41447936 GHz SWT 70 ms Unit dBm

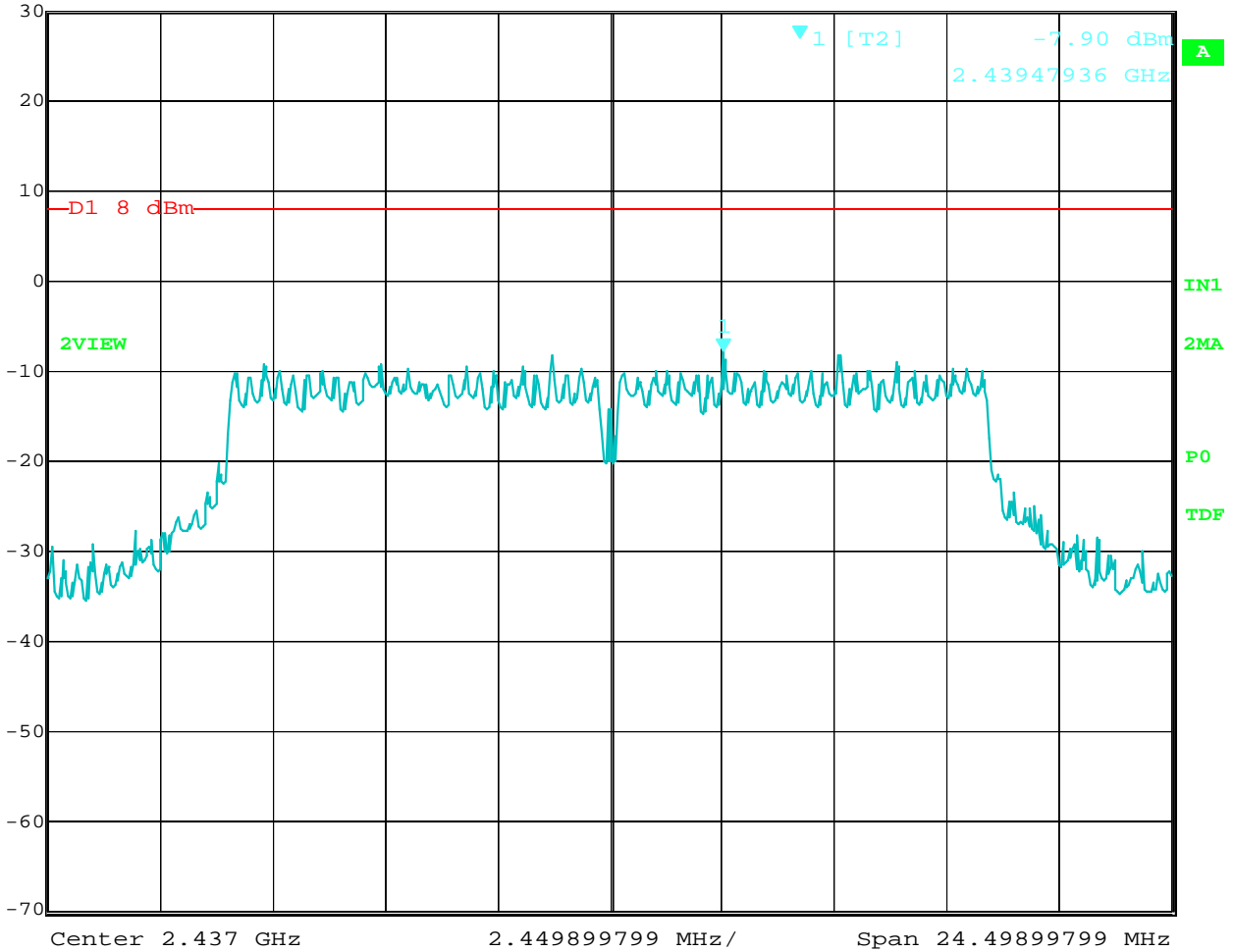


Date: 11.SEP.2013 07:46:53

Spectral Density Output – Channel 1 – 802.11 g Mode



Marker 1 [T2] RBW 30 kHz RF Att 50 dB  
 Ref Lvl -7.90 dBm VBW 100 kHz  
 30 dBm 2.43947936 GHz SWT 70 ms Unit dBm

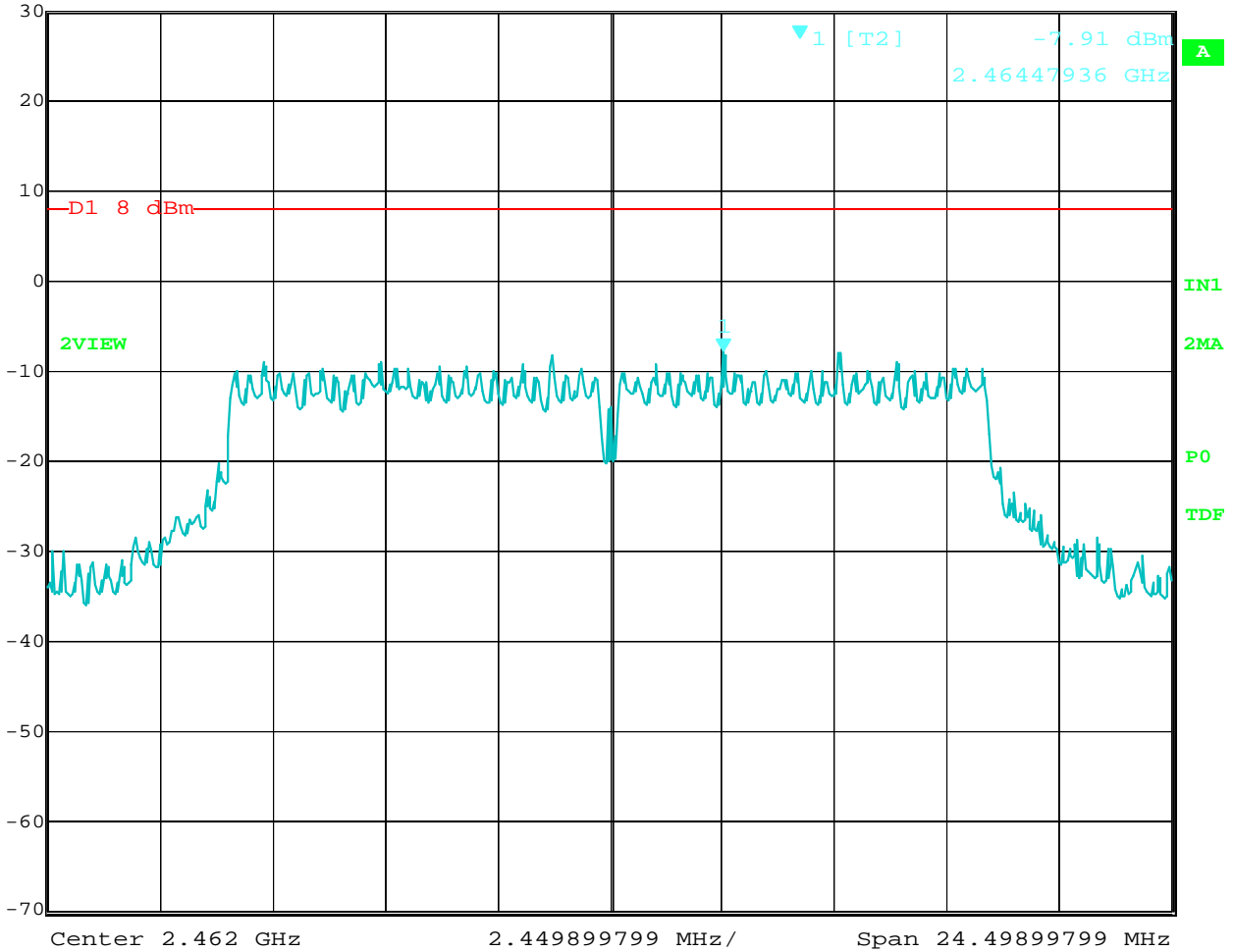


Date: 11.SEP.2013 07:49:01

Spectral Density Output – Channel 6 – 802.11 g Mode



Marker 1 [T2]      RBW    30 kHz    RF Att    50 dB  
 Ref Lvl                    -7.91 dBm    VBW    100 kHz  
 30 dBm                    2.46447936 GHz    SWT    70 ms    Unit            dBm

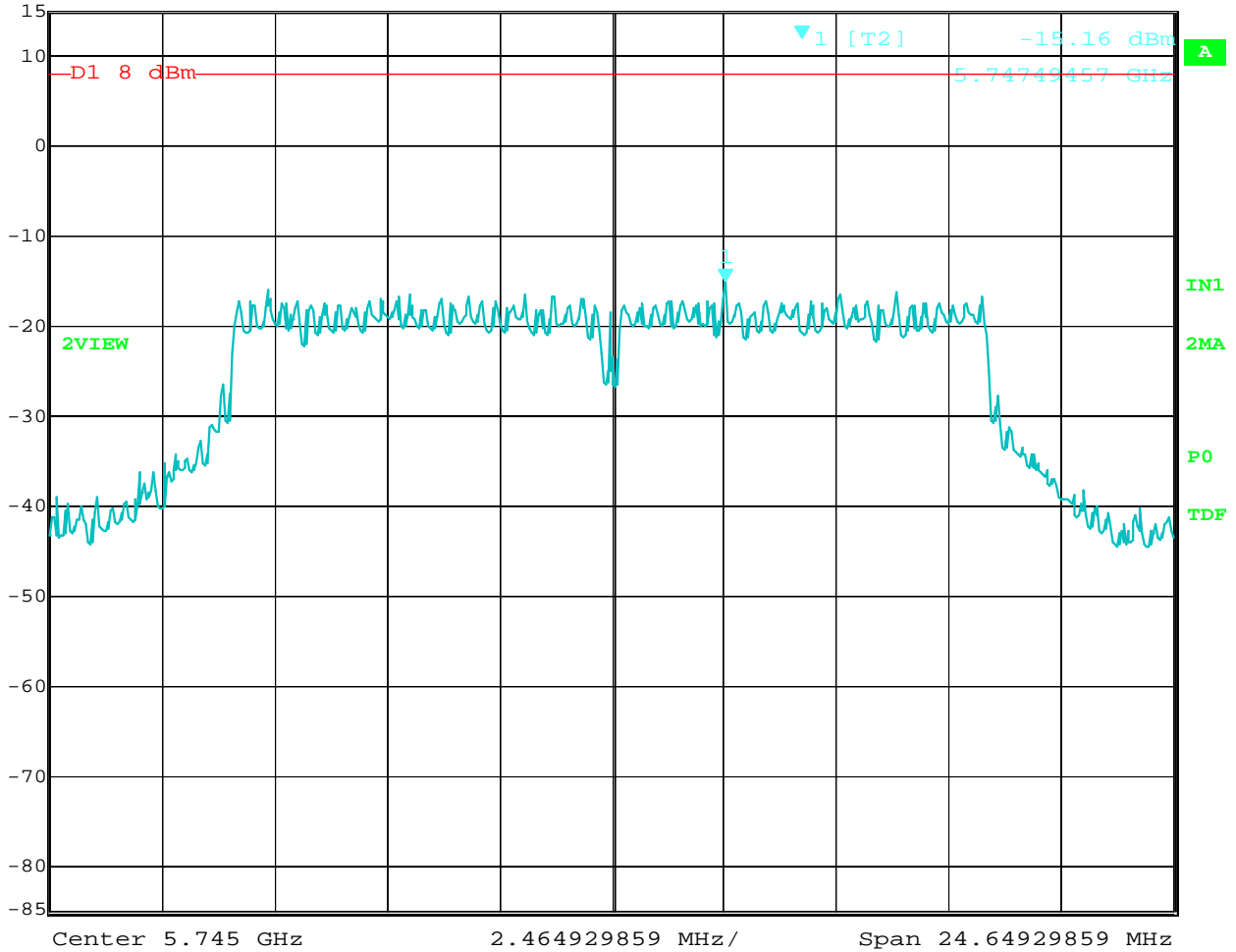


Date: 11.SEP.2013 07:50:18

Spectral Density Output – Channel 11 – 802.11 g Mode



Marker 1 [T2] RBW 30 kHz RF Att 30 dB  
 Ref Lvl -15.16 dBm VBW 100 kHz  
 15 dBm 5.74749457 GHz SWT 70 ms Unit dBm

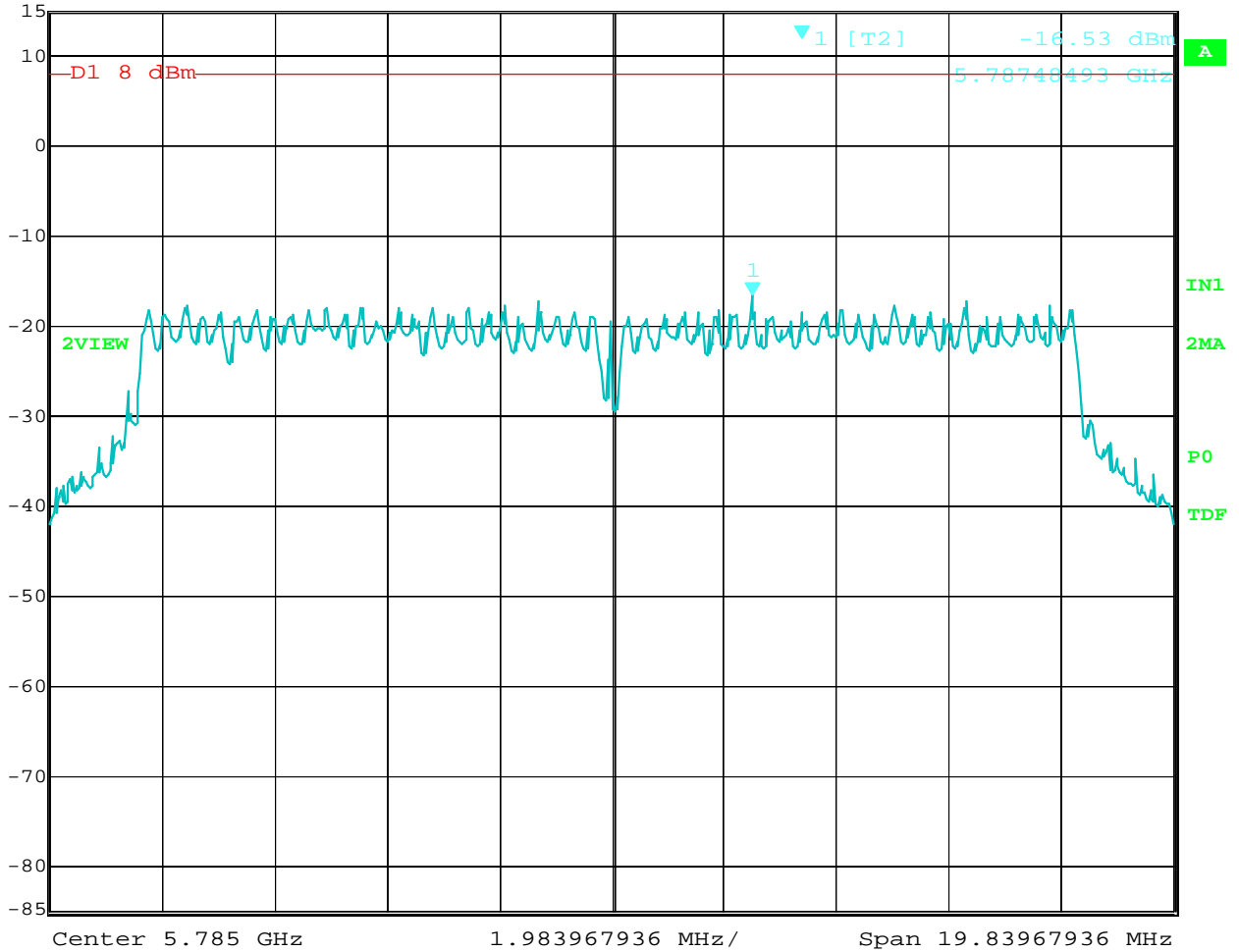


Date: 11.SEP.2013 08:58:48

Spectral Density Output – Channel 149 – 802.11 a Mode



Marker 1 [T2] RBW 30 kHz RF Att 30 dB  
 Ref Lvl -16.53 dBm VBW 100 kHz  
 15 dBm 5.78748493 GHz SWT 56 ms Unit dBm

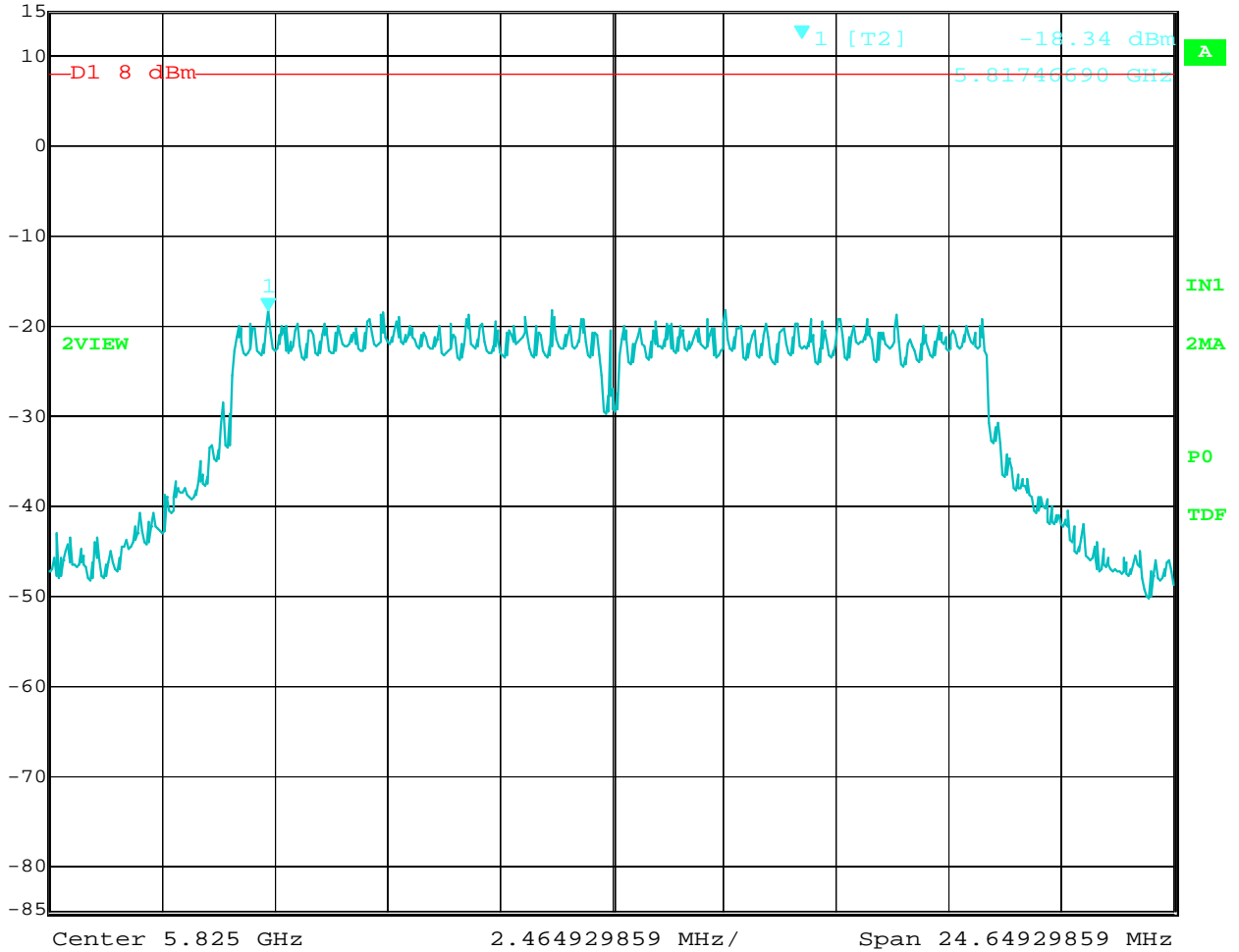


Date: 11.SEP.2013 09:00:58

Spectral Density Output – Channel 157 – 802.11 a Mode



Ref Lvl	Marker 1 [T2]	RBW	30 kHz	RF Att	30 dB
15 dBm	-18.34 dBm	VBW	100 kHz		
	5.81746690 GHz	SWT	70 ms	Unit	dBm



Date: 11.SEP.2013 08:57:44

Spectral Density Output – Channel 165 – 802.11 a Mode

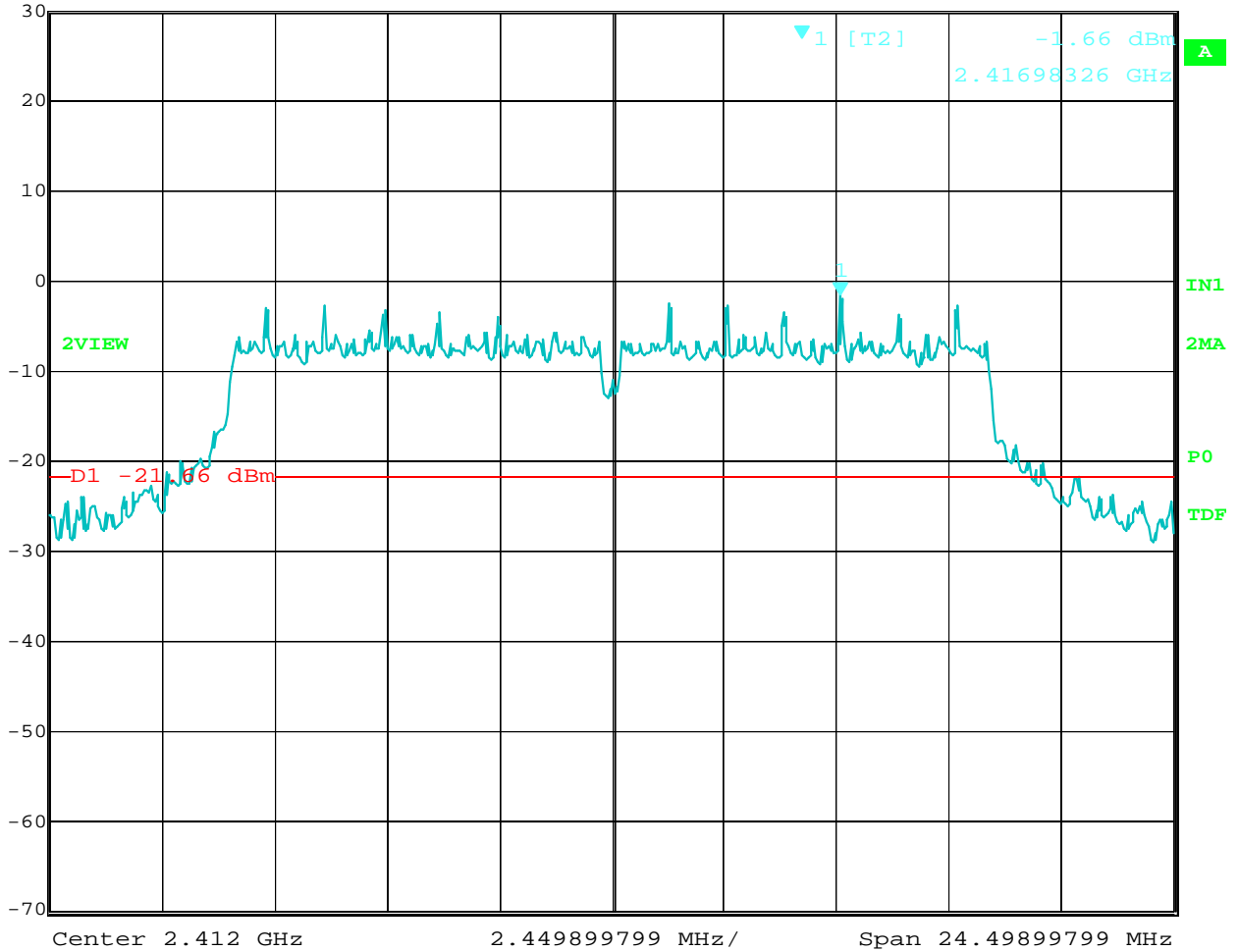


***RF ANTENNA CONDUCTED***

***DATA SHEETS***



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -1.66 dBm VBW 300 kHz  
 30 dBm 2.41698326 GHz SWT 6.5 ms Unit dBm



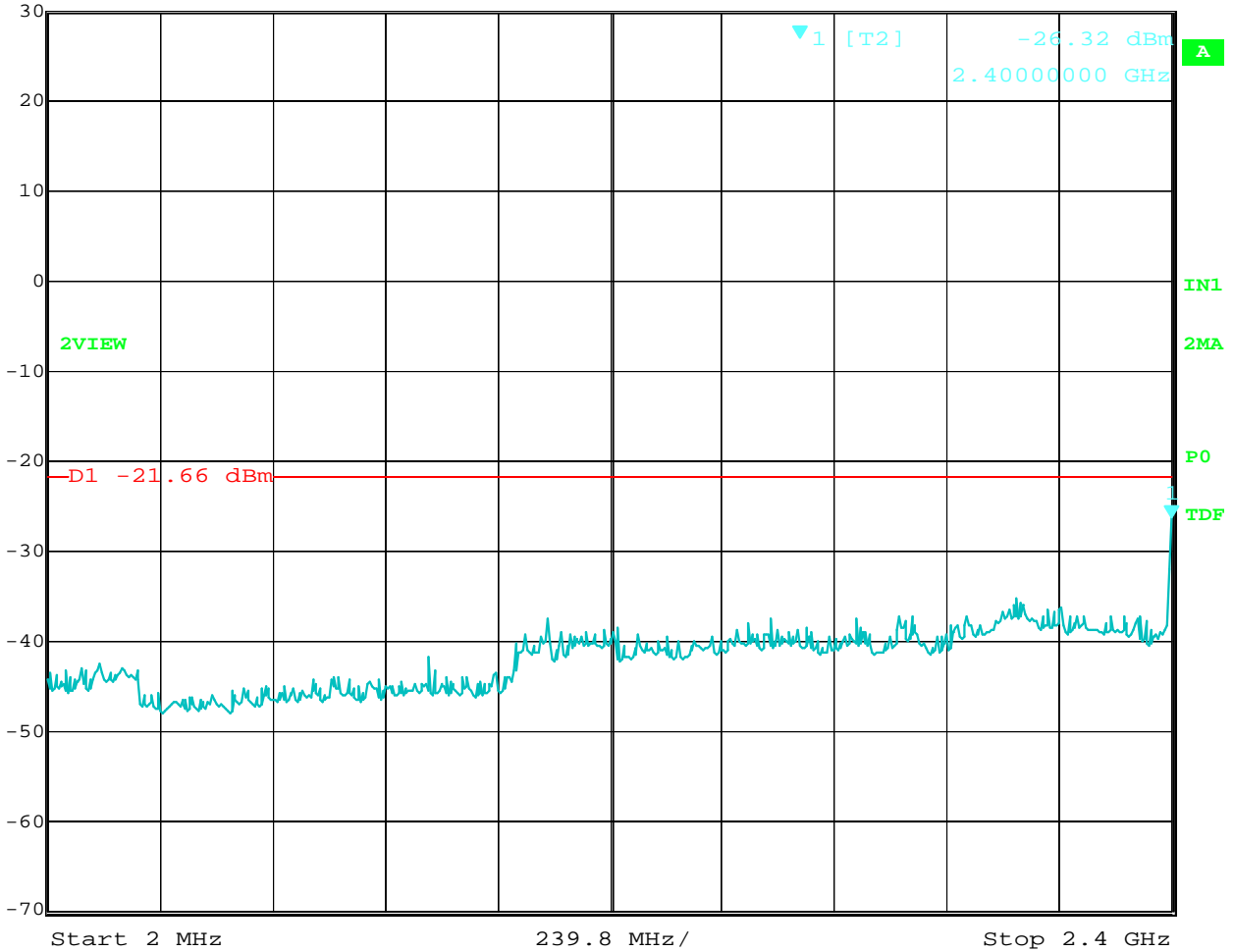
Date: 11.SEP.2013 08:00:37

RF Antenna Conducted – Channel 1 – 802.11 g Mode – Reference Level





Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -26.32 dBm VBW 300 kHz  
 30 dBm 2.40000000 GHz SWT 1.25 s Unit dBm

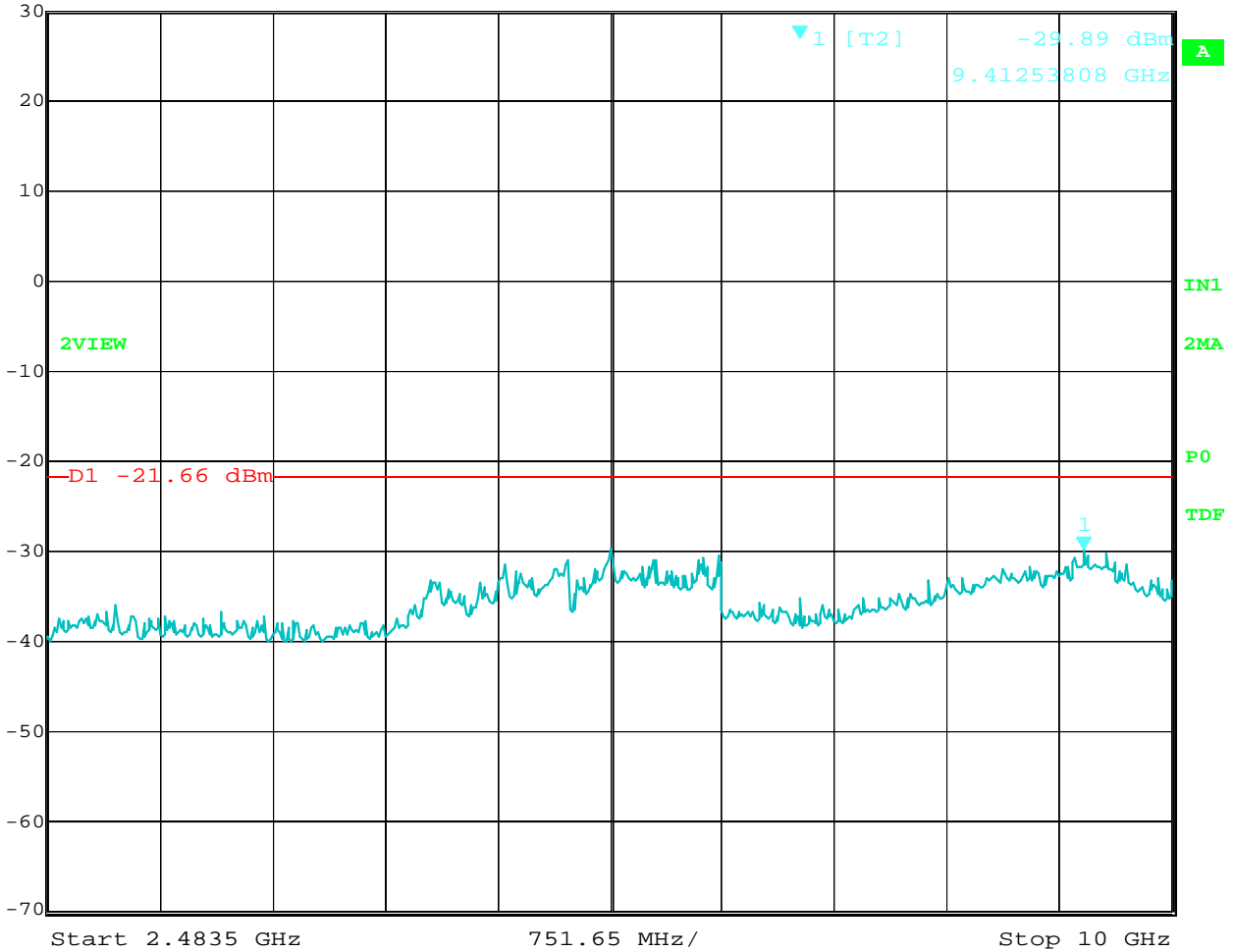


Date: 11.SEP.2013 08:01:15

RF Antenna Conducted – Channel 1 – 802.11 g Mode – 2 MHz to 2.4 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -29.89 dBm VBW 300 kHz  
 30 dBm 9.41253808 GHz SWT 1.9 s Unit dBm

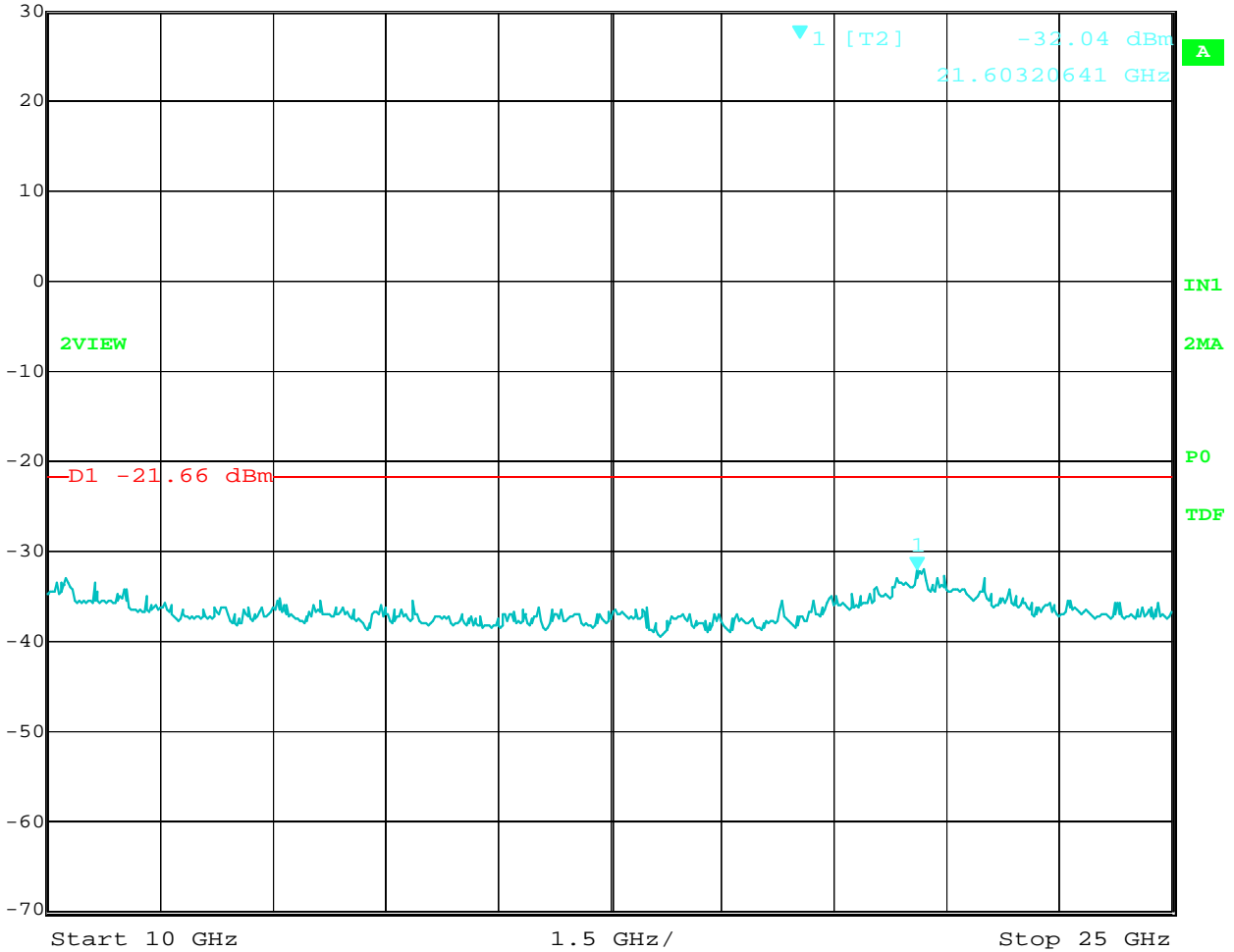


Date: 11.SEP.2013 08:01:54

RF Antenna Conducted – Channel 1 – 802.11 g Mode – 2.4835 GHz to 10 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -32.04 dBm VBW 300 kHz  
 30 dBm 21.60320641 GHz SWT 3.8 s Unit dBm

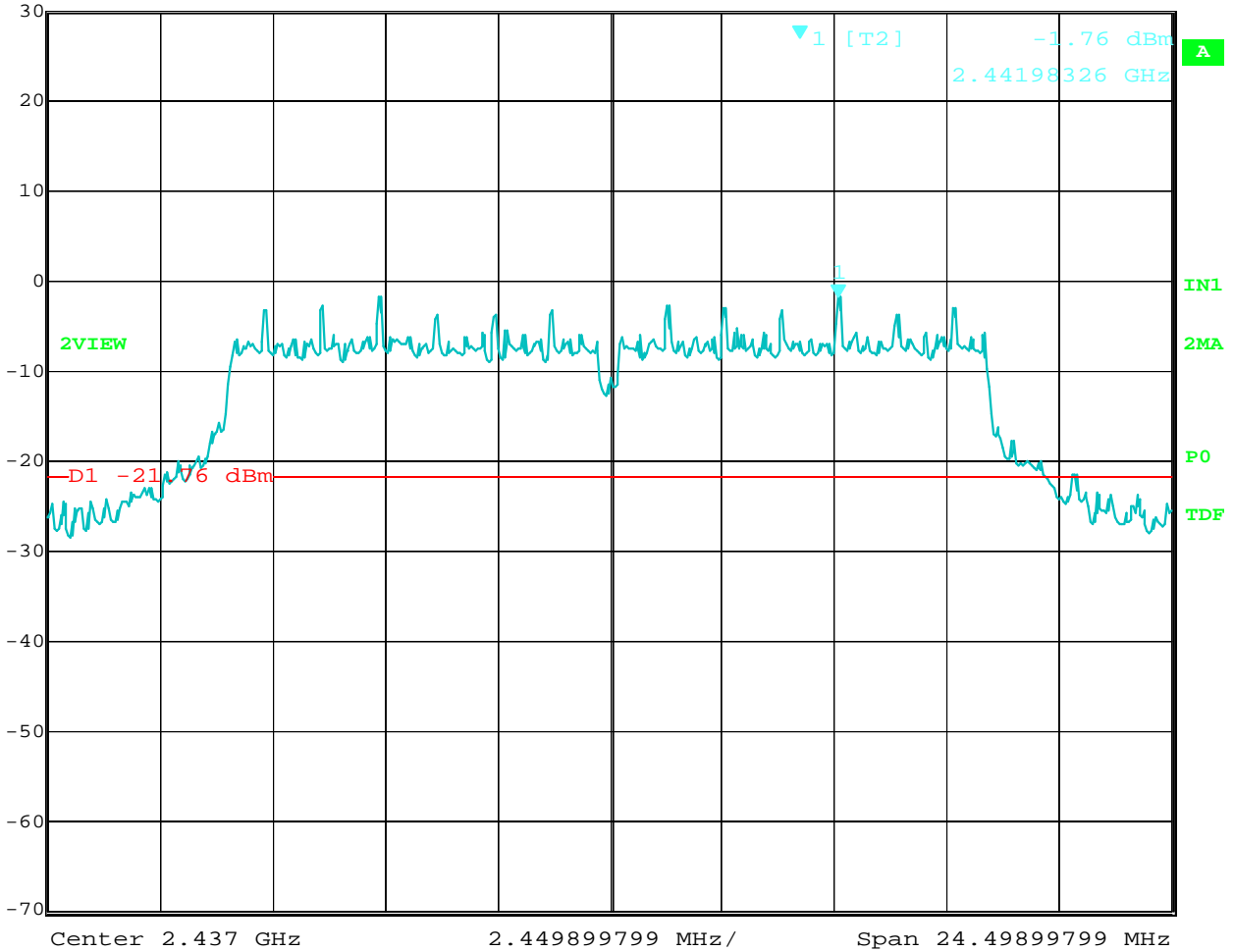


Date: 11.SEP.2013 08:03:12

RF Antenna Conducted – Channel 1 – 802.11 g Mode – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -1.76 dBm VBW 300 kHz  
 30 dBm 2.44198326 GHz SWT 6.5 ms Unit dBm

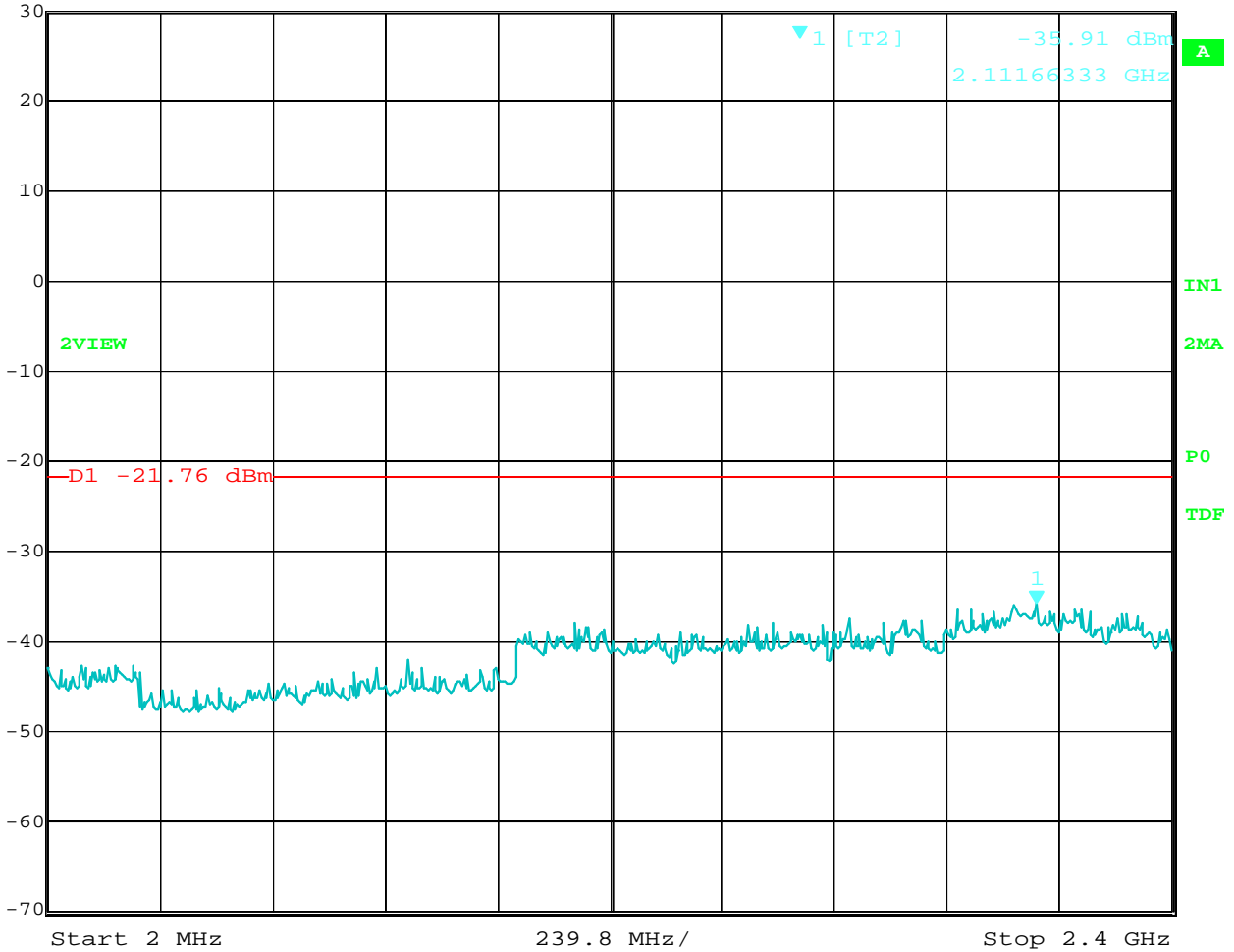


Date: 11.SEP.2013 08:08:11

RF Antenna Conducted – Channel 6 – 802.11 g Mode – Reference Level



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -35.91 dBm VBW 300 kHz  
 30 dBm 2.11166333 GHz SWT 1.25 s Unit dBm

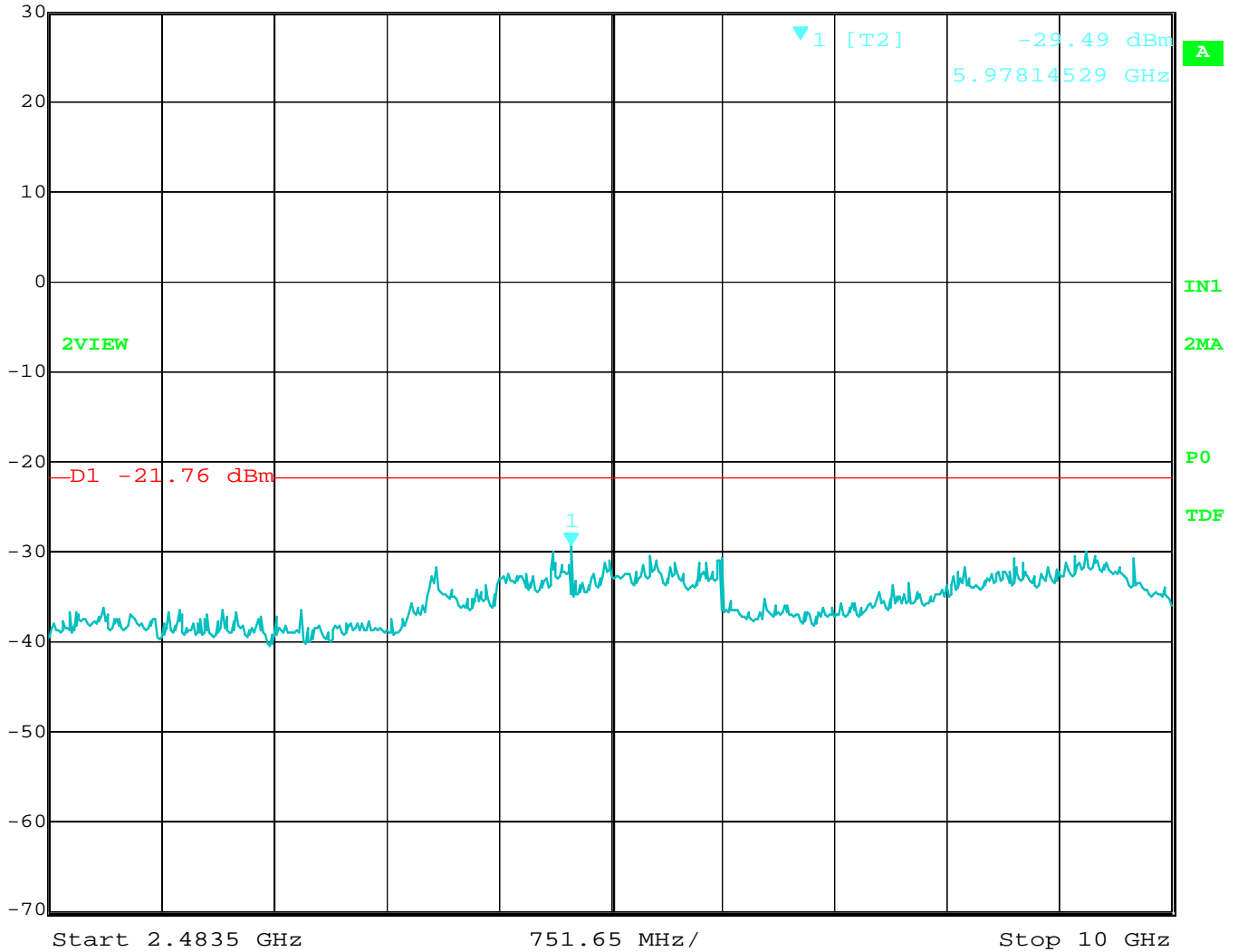


Date: 11.SEP.2013 08:08:50

RF Antenna Conducted – Channel 6 – 802.11 g Mode – 2 MHz to 2.4 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -29.49 dBm VBW 300 kHz  
 30 dBm 5.97814529 GHz SWT 1.9 s Unit dBm

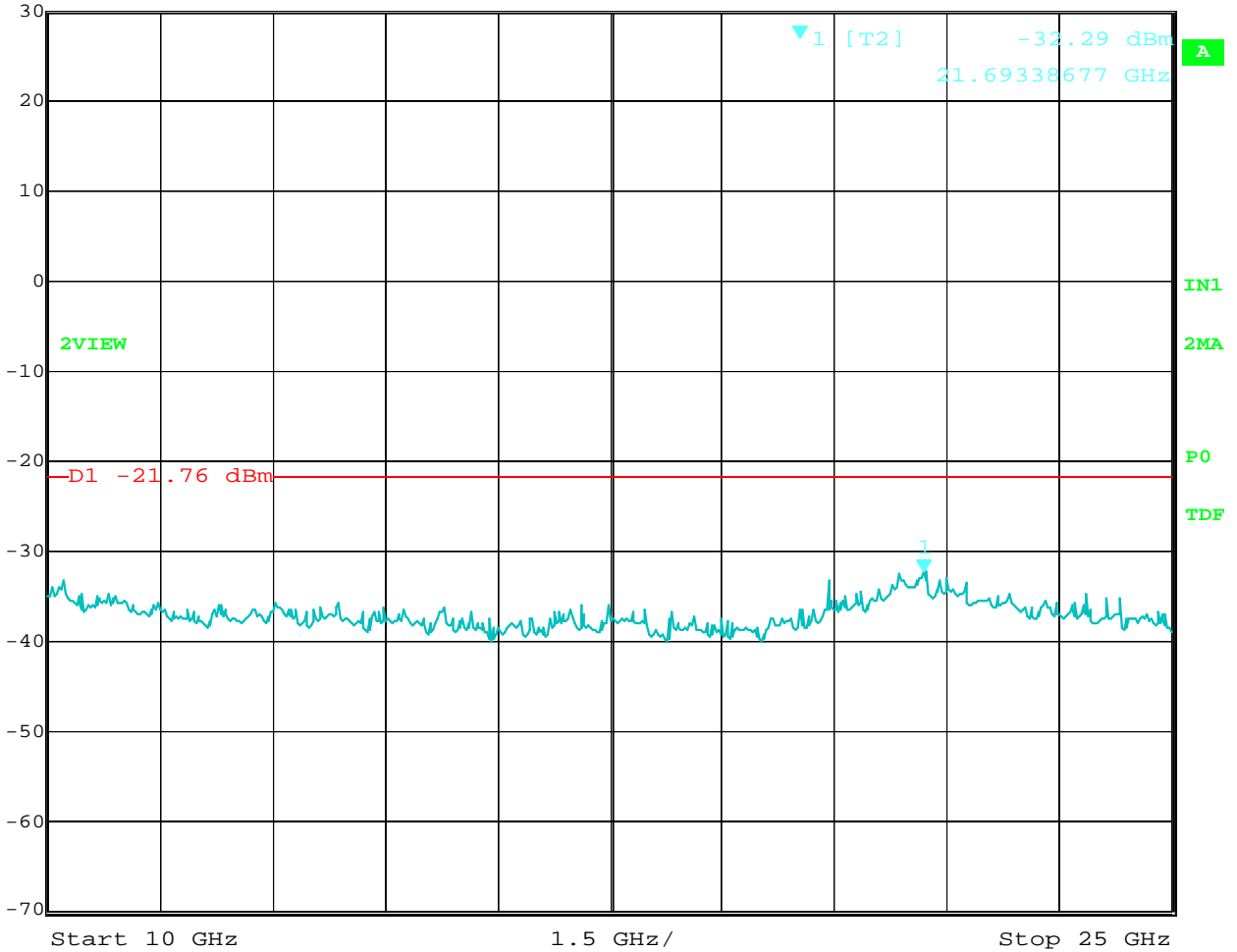


Date: 11.SEP.2013 08:09:26

RF Antenna Conducted – Channel 6 – 802.11 g Mode – 2.4835 GHz to 10 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -32.29 dBm VBW 300 kHz  
 30 dBm 21.69338677 GHz SWT 3.8 s Unit dBm

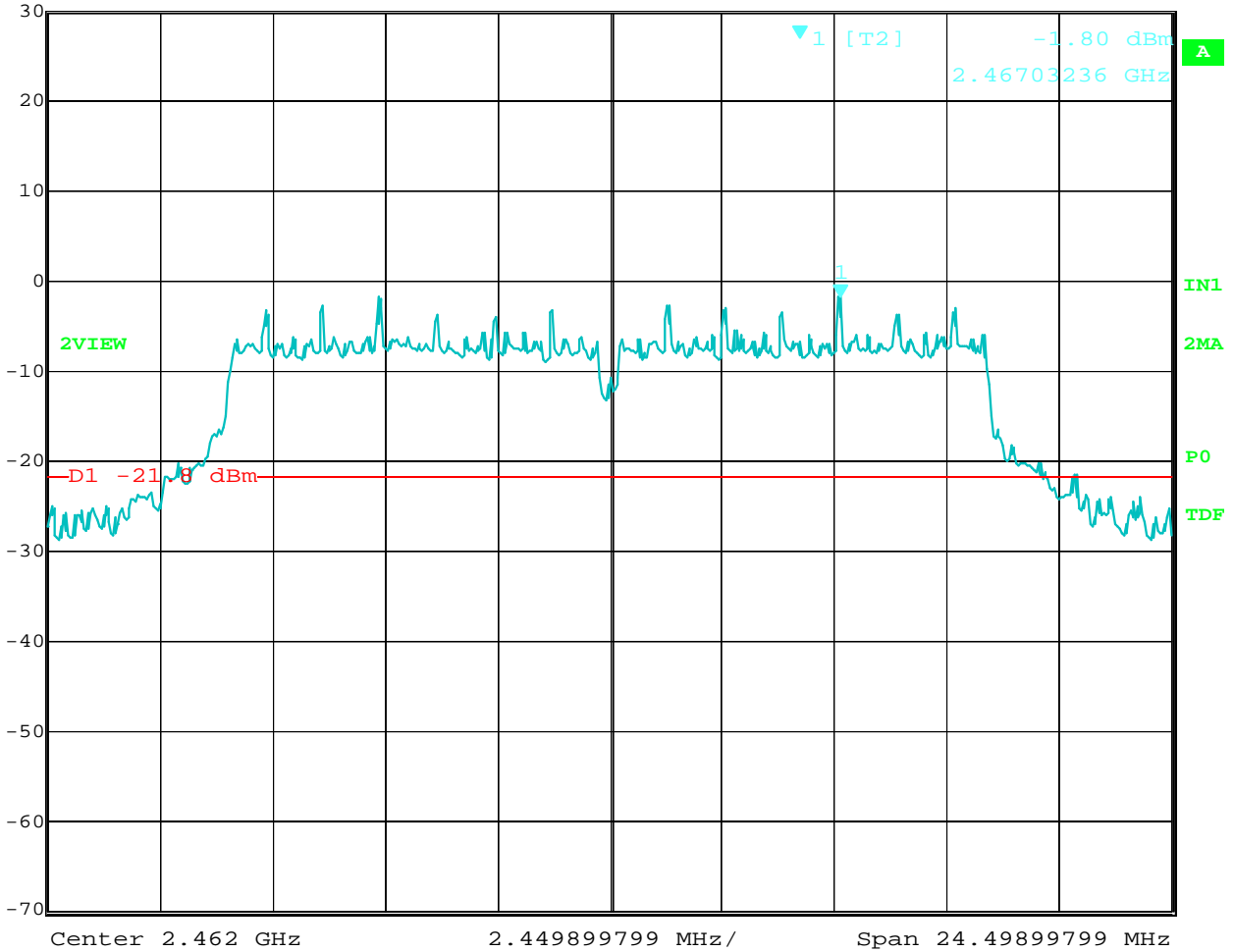


Date: 11.SEP.2013 08:09:59

RF Antenna Conducted – Channel 6 – 802.11 g Mode – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -1.80 dBm VBW 300 kHz  
 30 dBm 2.46703236 GHz SWT 6.5 ms Unit dBm



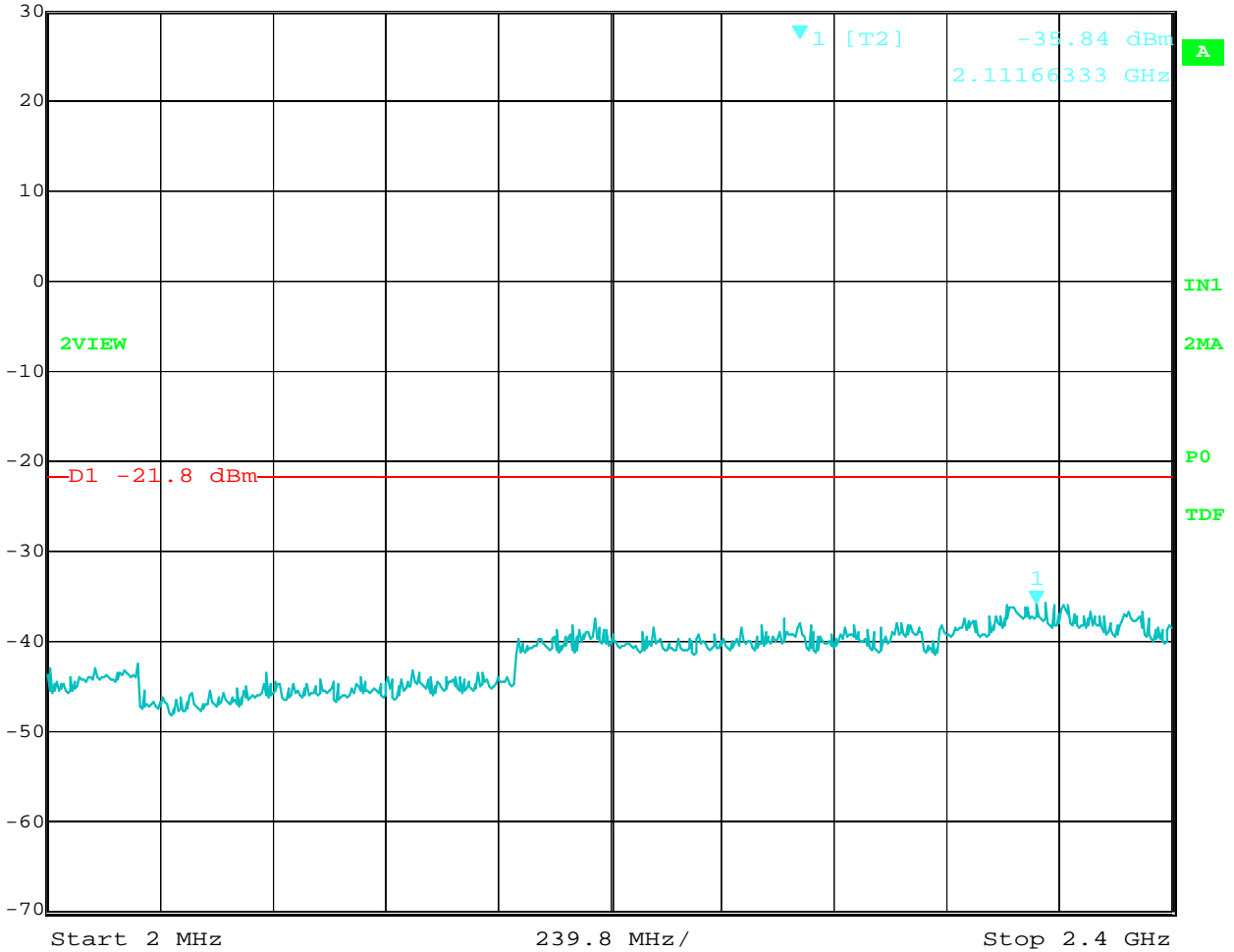
Date: 11.SEP.2013 07:55:27

RF Antenna Conducted – Channel 11 – 802.11 g Mode – Reference Level





Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -35.84 dBm VBW 300 kHz  
 30 dBm 2.11166333 GHz SWT 1.25 s Unit dBm

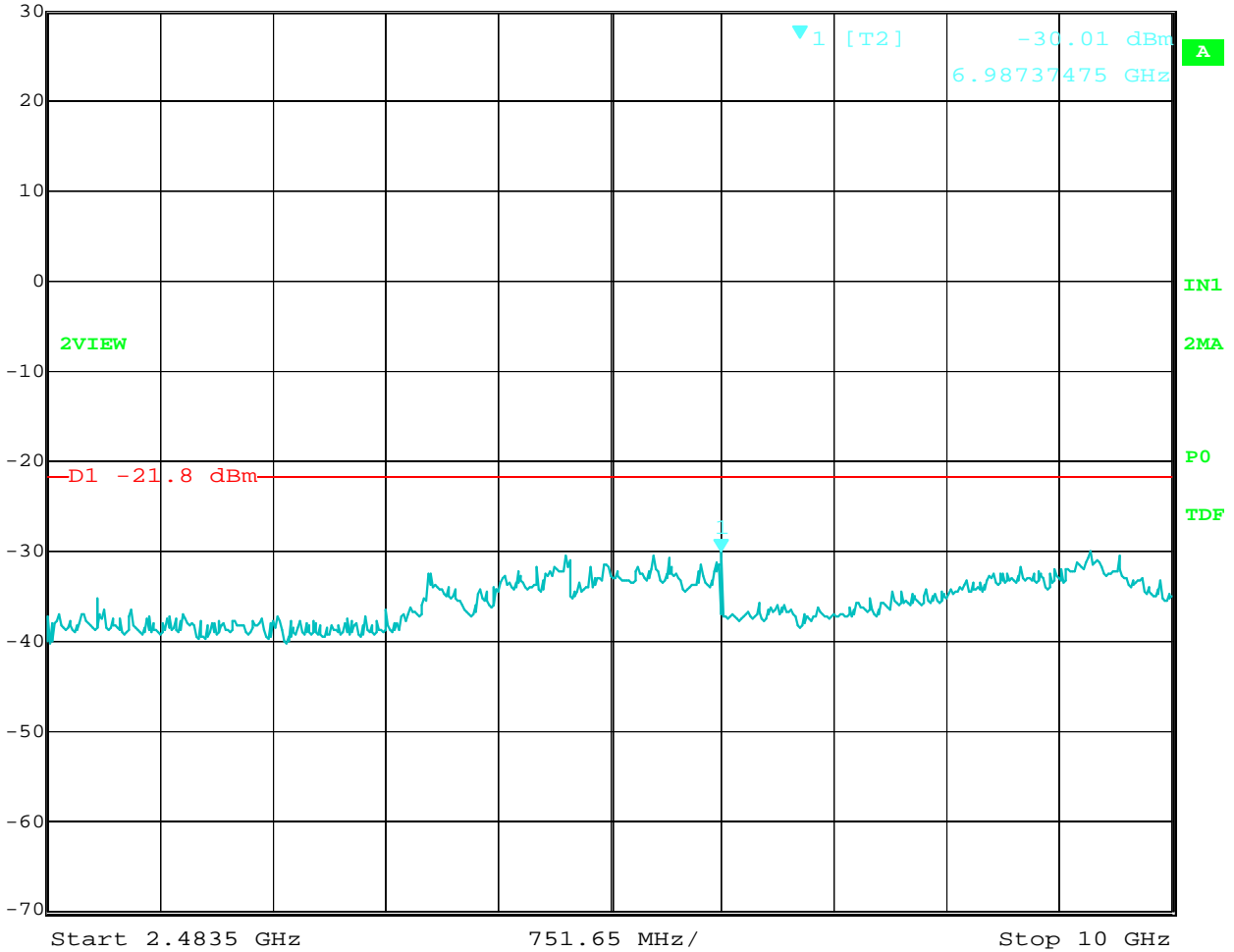


Date: 11.SEP.2013 07:56:21

RF Antenna Conducted – Channel 11 – 802.11 g Mode – 2 MHz to 2.4 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -30.01 dBm VBW 300 kHz  
 30 dBm 6.98737475 GHz SWT 1.9 s Unit dBm

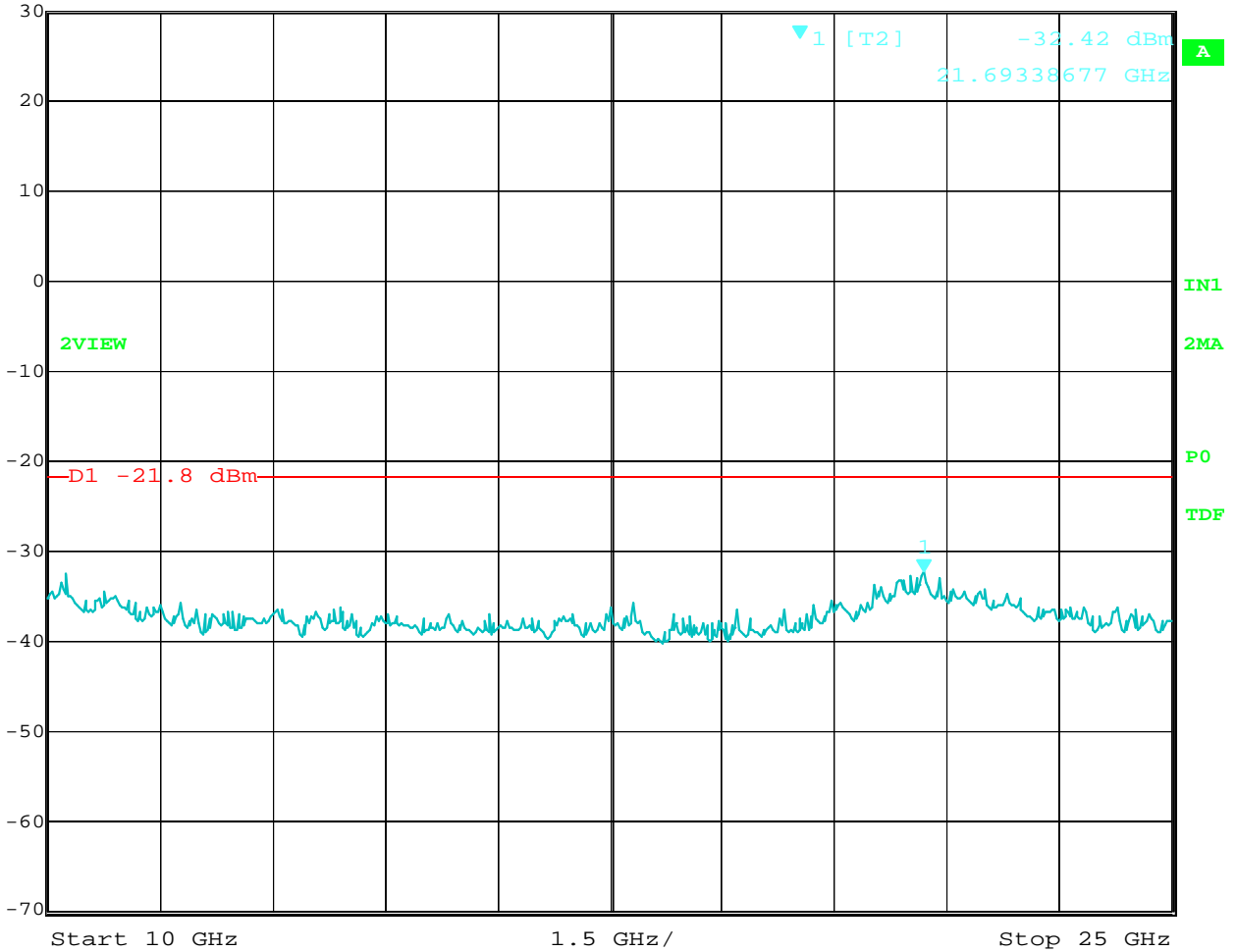


Date: 11.SEP.2013 07:56:56

RF Antenna Conducted – Channel 11 – 802.11 g Mode – 2.4835 GHz to 10 GHz



Marker 1 [T2] RBW 100 kHz RF Att 50 dB  
 Ref Lvl -32.42 dBm VBW 300 kHz  
 30 dBm 21.69338677 GHz SWT 3.8 s Unit dBm

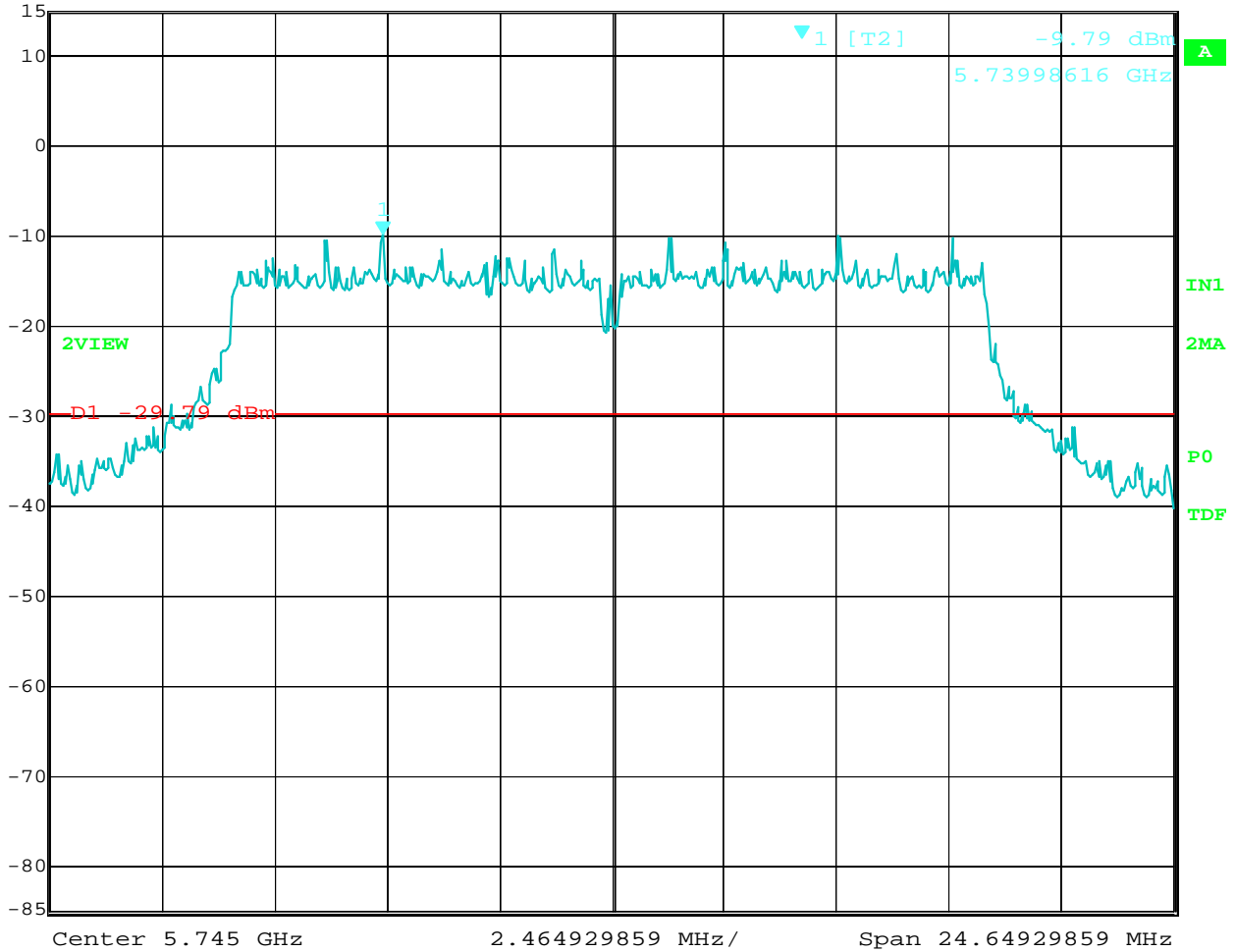


Date: 11.SEP.2013 07:57:25

RF Antenna Conducted – Channel 11 – 802.11 g Mode – 10 GHz to 25 GHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -9.79 dBm VBW 300 kHz  
 15 dBm 5.73998616 GHz SWT 6.5 ms Unit dBm

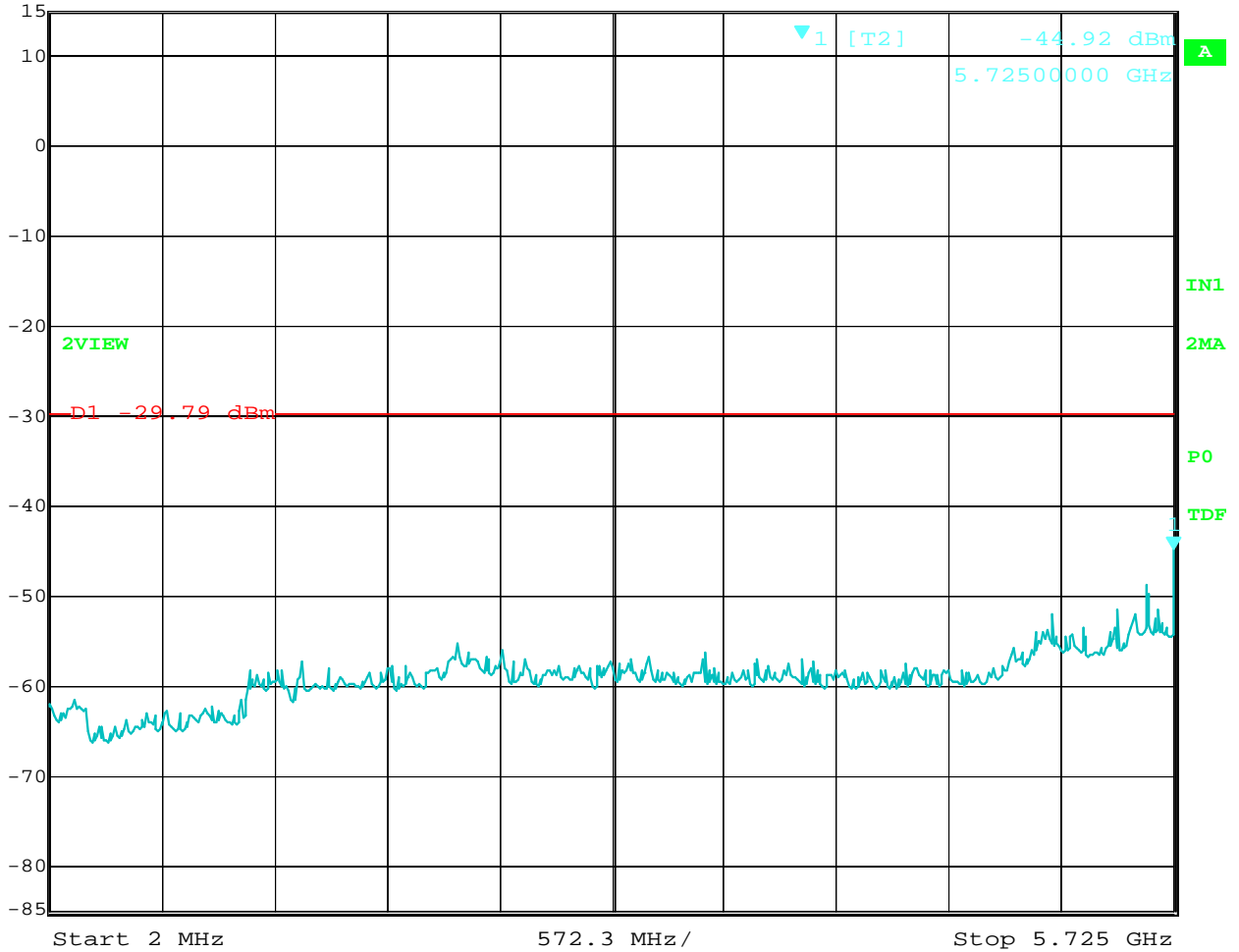


Date: 11.SEP.2013 09:04:04

RF Antenna Conducted – Channel 149 – 802.11 a Mode – Reference Level



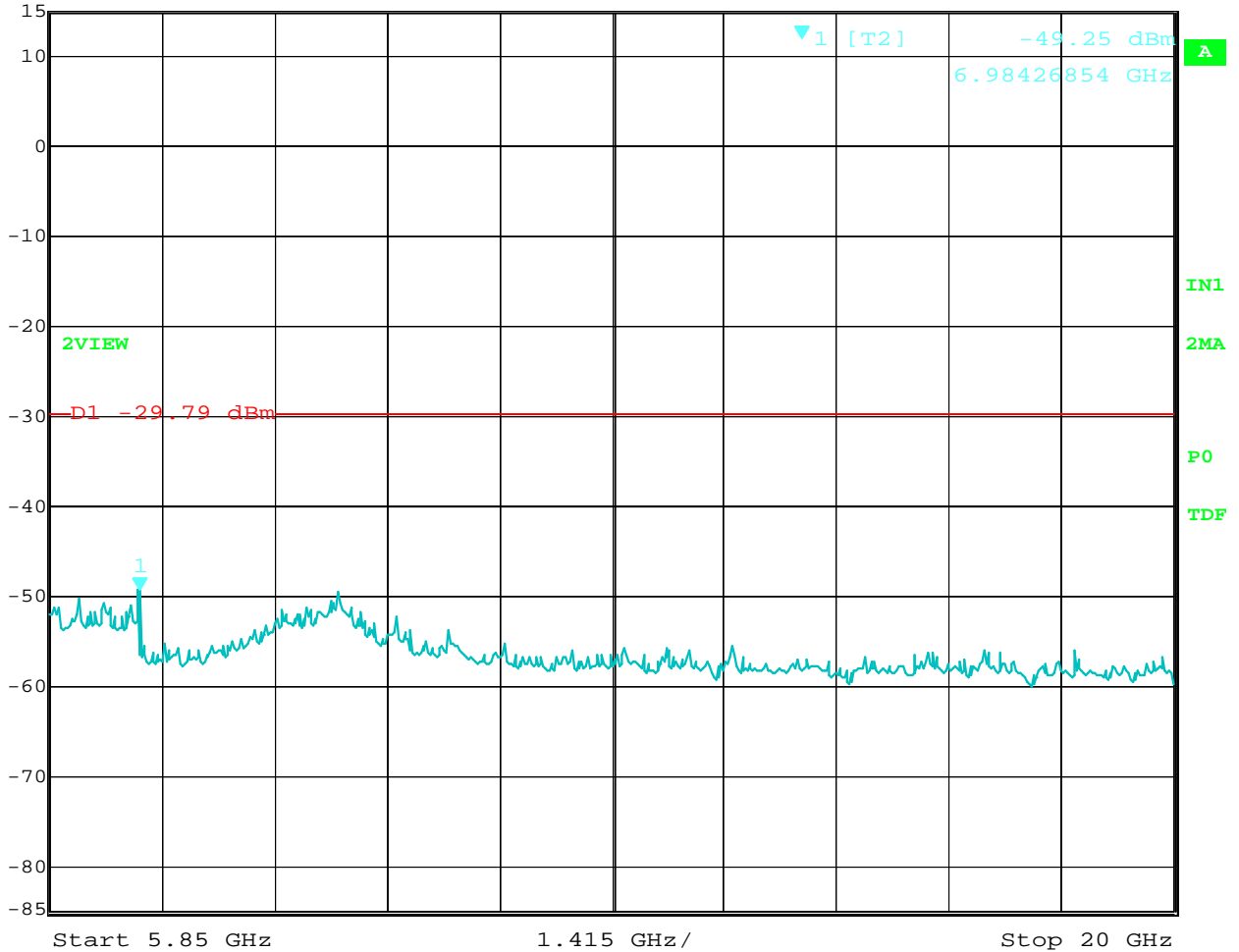
Marker 1 [T2]      RBW 100 kHz      RF Att 30 dB  
 Ref Lvl      -44.92 dBm      VBW 300 kHz  
 15 dBm      5.72500000 GHz      SWT 2.1 s      Unit dBm



Date: 11.SEP.2013 09:05:12

RF Antenna Conducted – Channel 149 – 802.11 a Mode – 2 MHz to 5725 MHz

RS
 Marker 1 [T2]      RBW 100 kHz      RF Att 30 dB  
 Ref Lvl -49.25 dBm      VBW 300 kHz  
 15 dBm      6.98426854 GHz      SWT 3.6 s      Unit dBm

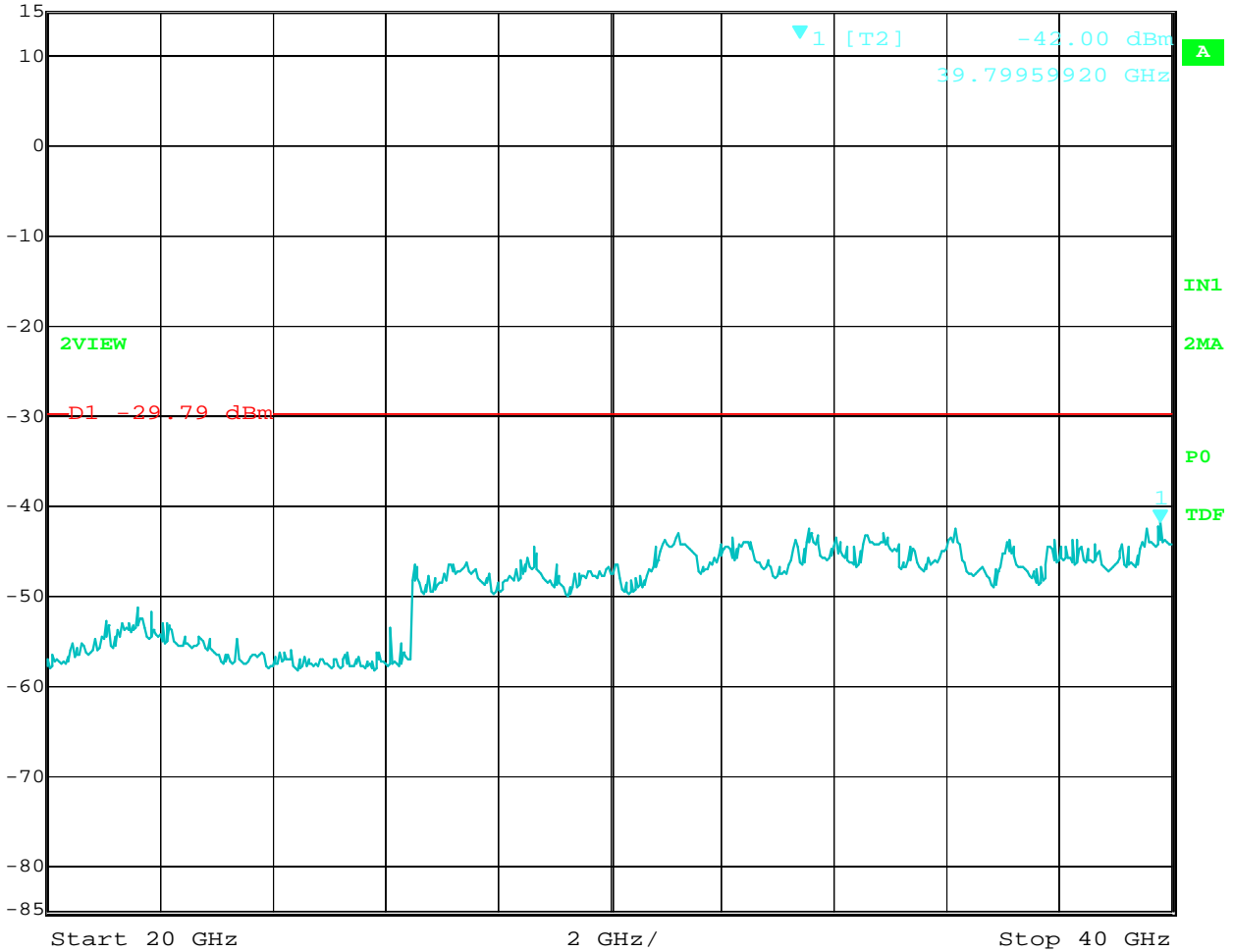


Date: 11.SEP.2013 09:05:43

RF Antenna Conducted – Channel 149 – 802.11 a Mode – 5850 MHz to 20000 MHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -42.00 dBm VBW 300 kHz  
 15 dBm 39.79959920 GHz SWT 5 s Unit dBm

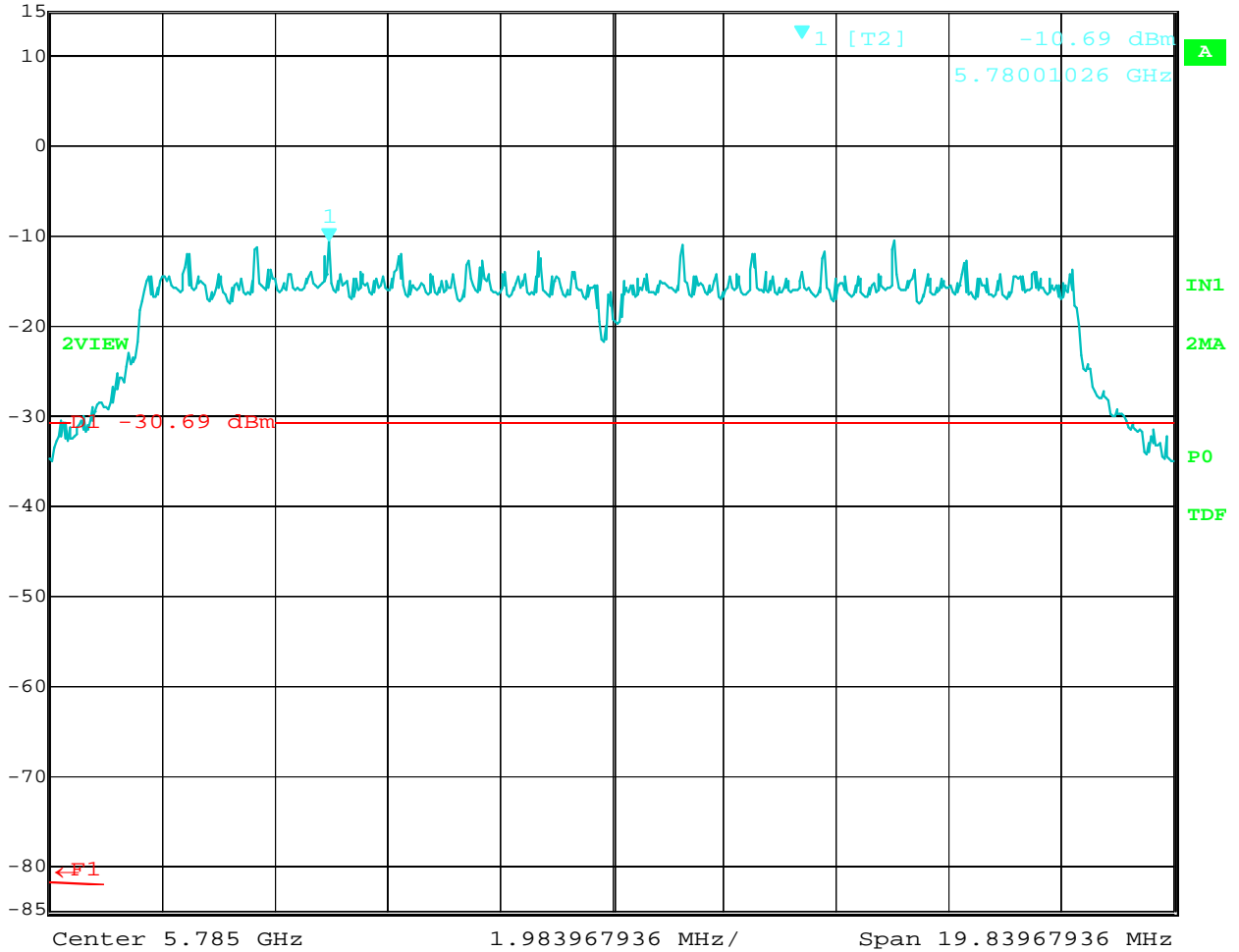


Date: 11.SEP.2013 09:06:15

RF Antenna Conducted – Channel 149 – 802.11 a Mode – 20000 MHz to 40000 MHz



Marker 1 [T2]      RBW 100 kHz      RF Att 30 dB  
 Ref Lvl -10.69 dBm      VBW 300 kHz  
 15 dBm      5.78001026 GHz      SWT 5 ms      Unit dBm



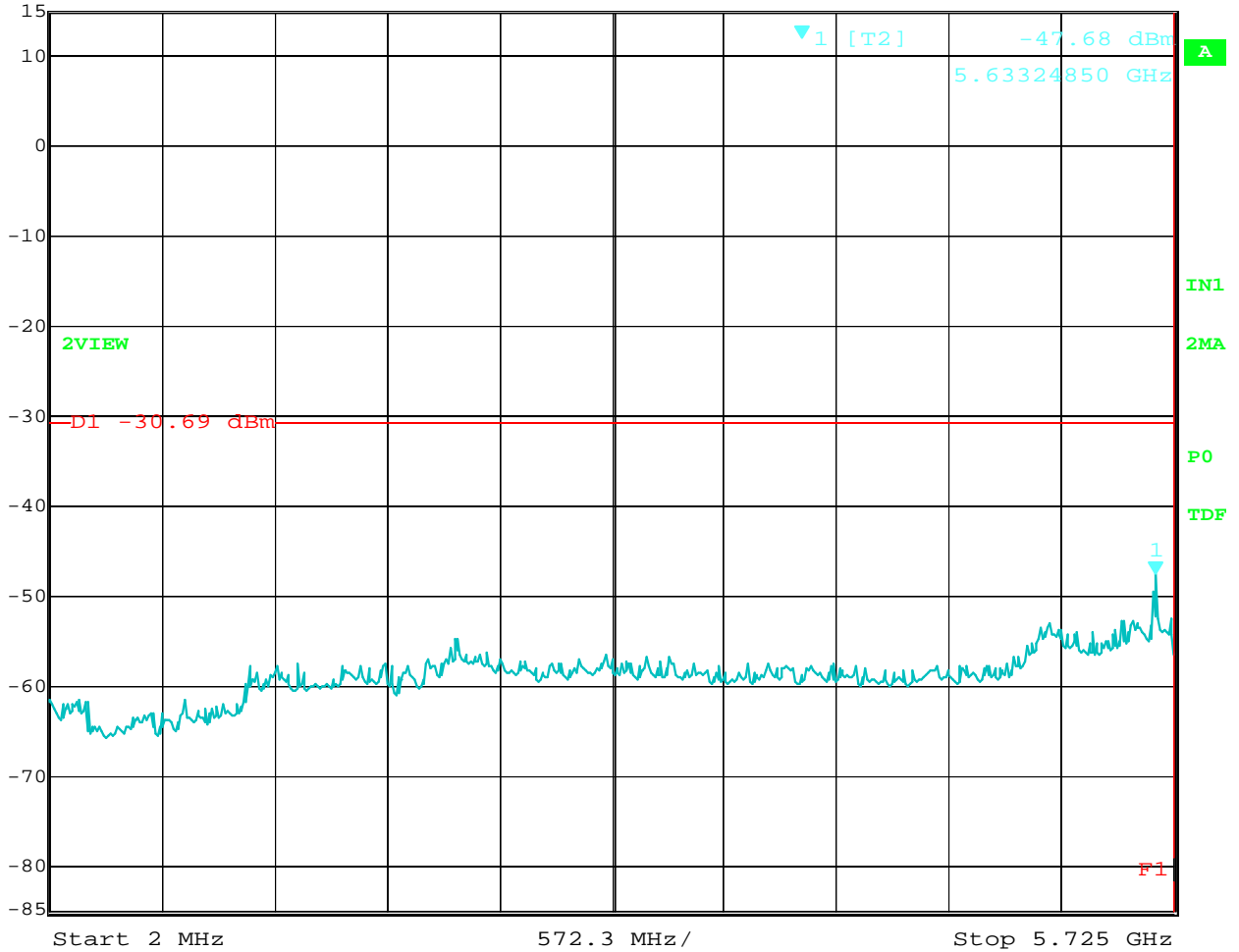
Date: 11.SEP.2013 09:31:20

RF Antenna Conducted – Channel 157 – 802.11 a Mode – Reference Level





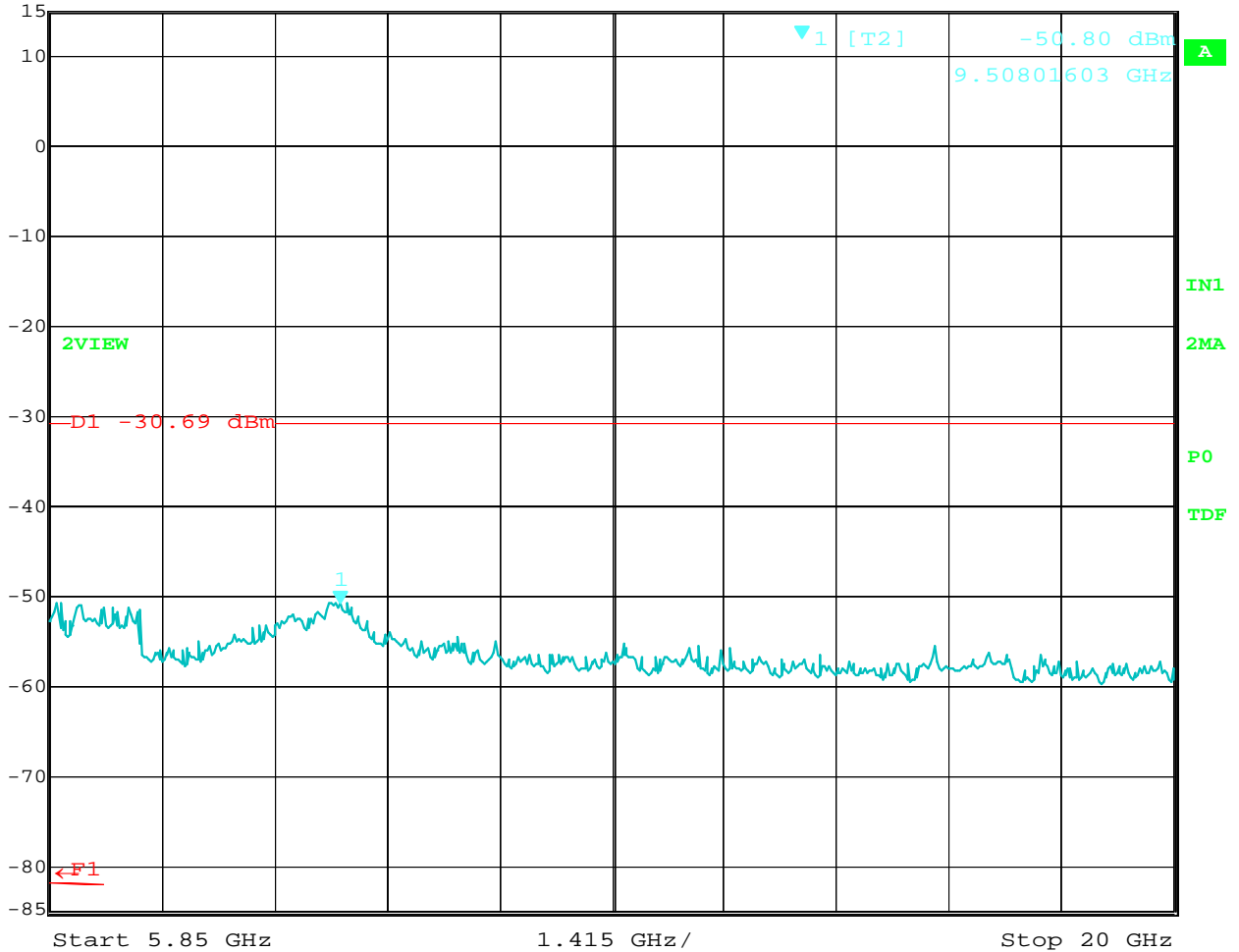
Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -47.68 dBm VBW 300 kHz  
 15 dBm 5.63324850 GHz SWT 2.1 s Unit dBm



Date: 11.SEP.2013 09:32:39

RF Antenna Conducted – Channel 157 – 802.11 a Mode – 2 MHz to 5725 MHz

RS
 Marker 1 [T2]      RBW 100 kHz      RF Att 30 dB  
 Ref Lvl -50.80 dBm      VBW 300 kHz  
 15 dBm      9.50801603 GHz      SWT 3.6 s      Unit dBm

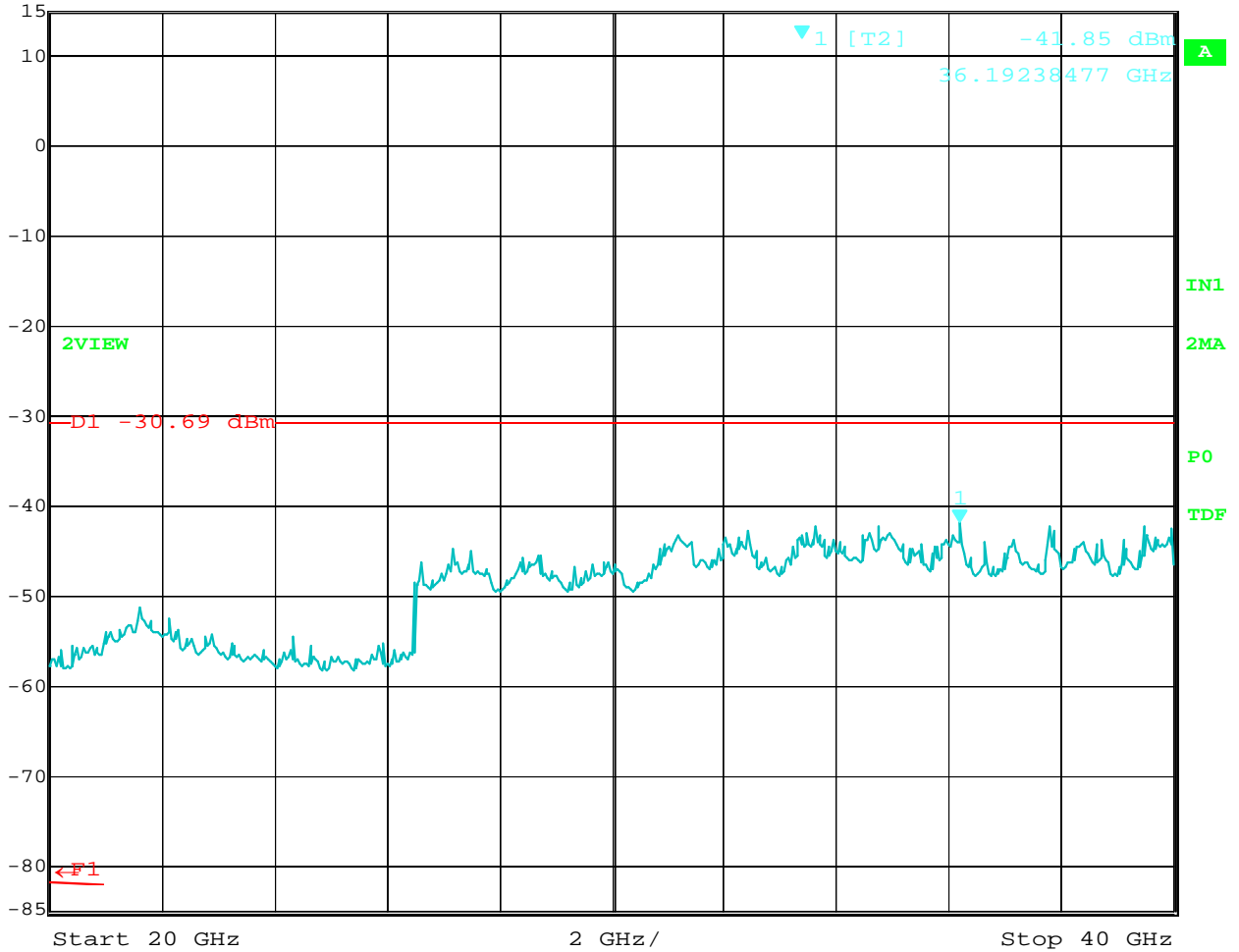


Date: 11.SEP.2013 09:33:14

RF Antenna Conducted – Channel 157 – 802.11 a Mode – 5850 MHz to 20000 MHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -41.85 dBm VBW 300 kHz  
 15 dBm 36.19238477 GHz SWT 5 s Unit dBm

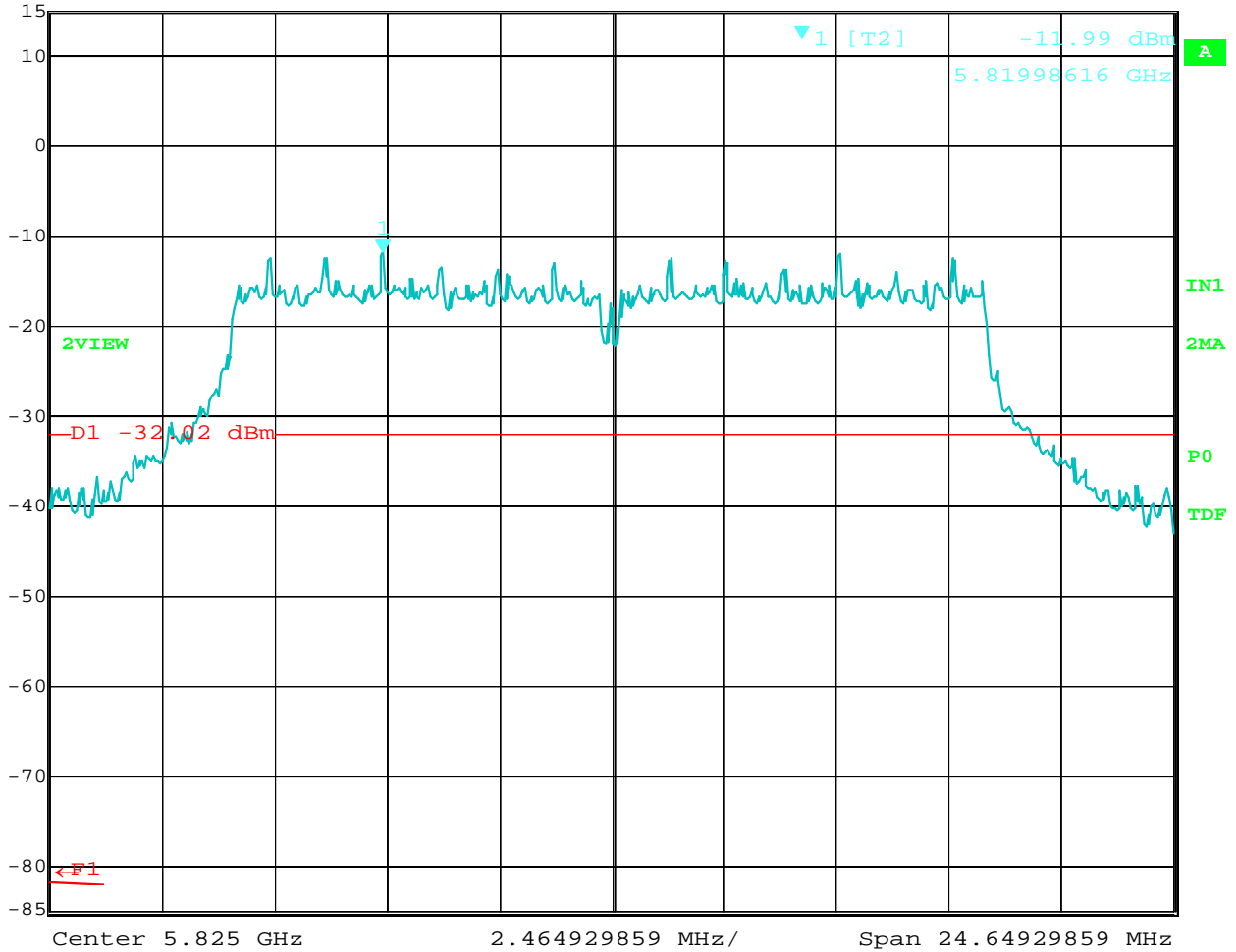


Date: 11.SEP.2013 09:33:51

RF Antenna Conducted – Channel 157 – 802.11 a Mode – 20000 MHz to 40000 MHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -11.99 dBm VBW 300 kHz  
 15 dBm 5.81998616 GHz SWT 6.5 ms Unit dBm

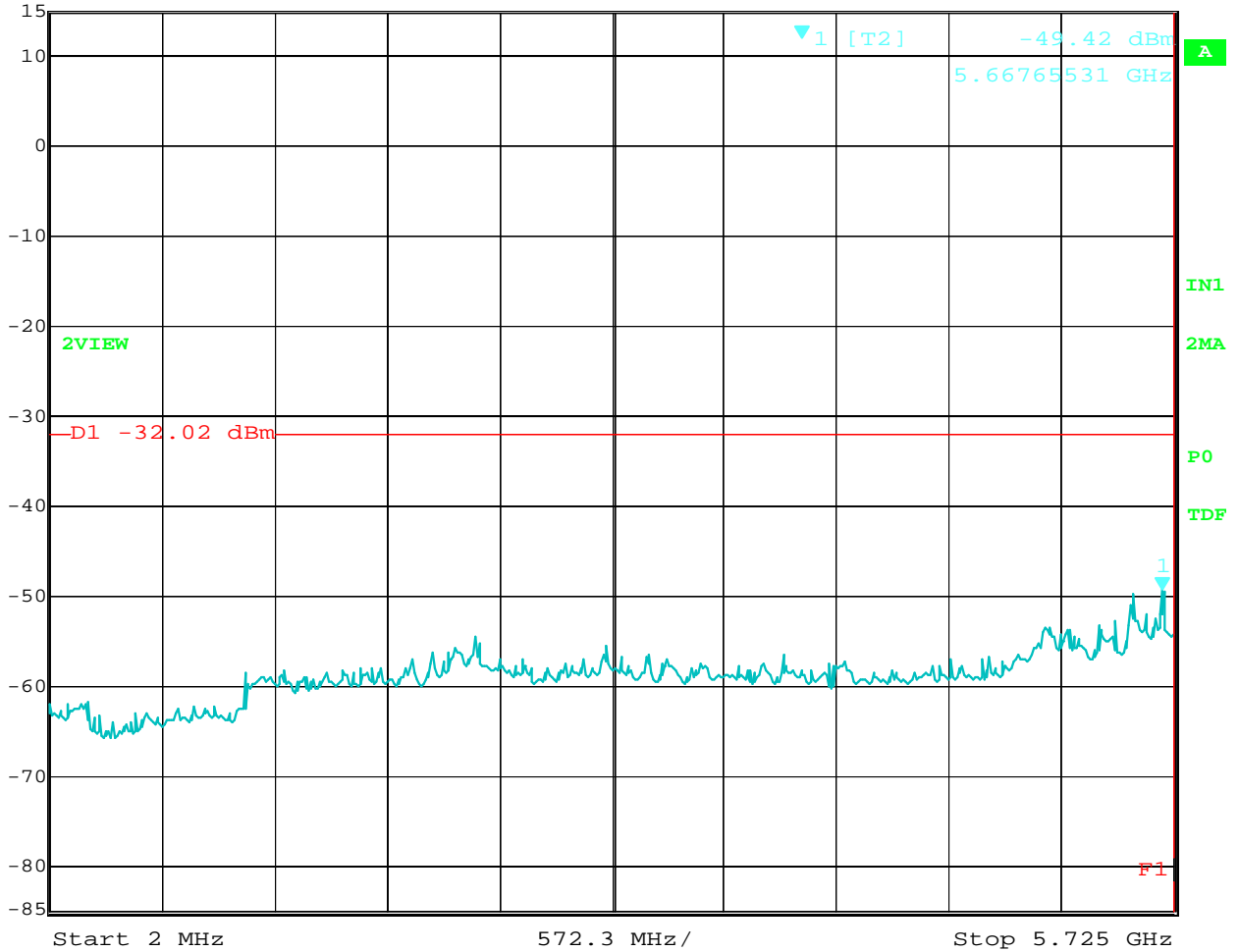


Date: 11.SEP.2013 09:40:08

RF Antenna Conducted – Channel 165 – 802.11 a Mode – Reference Level



Marker 1 [T2]      RBW 100 kHz      RF Att 30 dB  
 Ref Lvl -49.42 dBm      VBW 300 kHz  
 15 dBm      5.66765531 GHz      SWT 2.1 s      Unit dBm

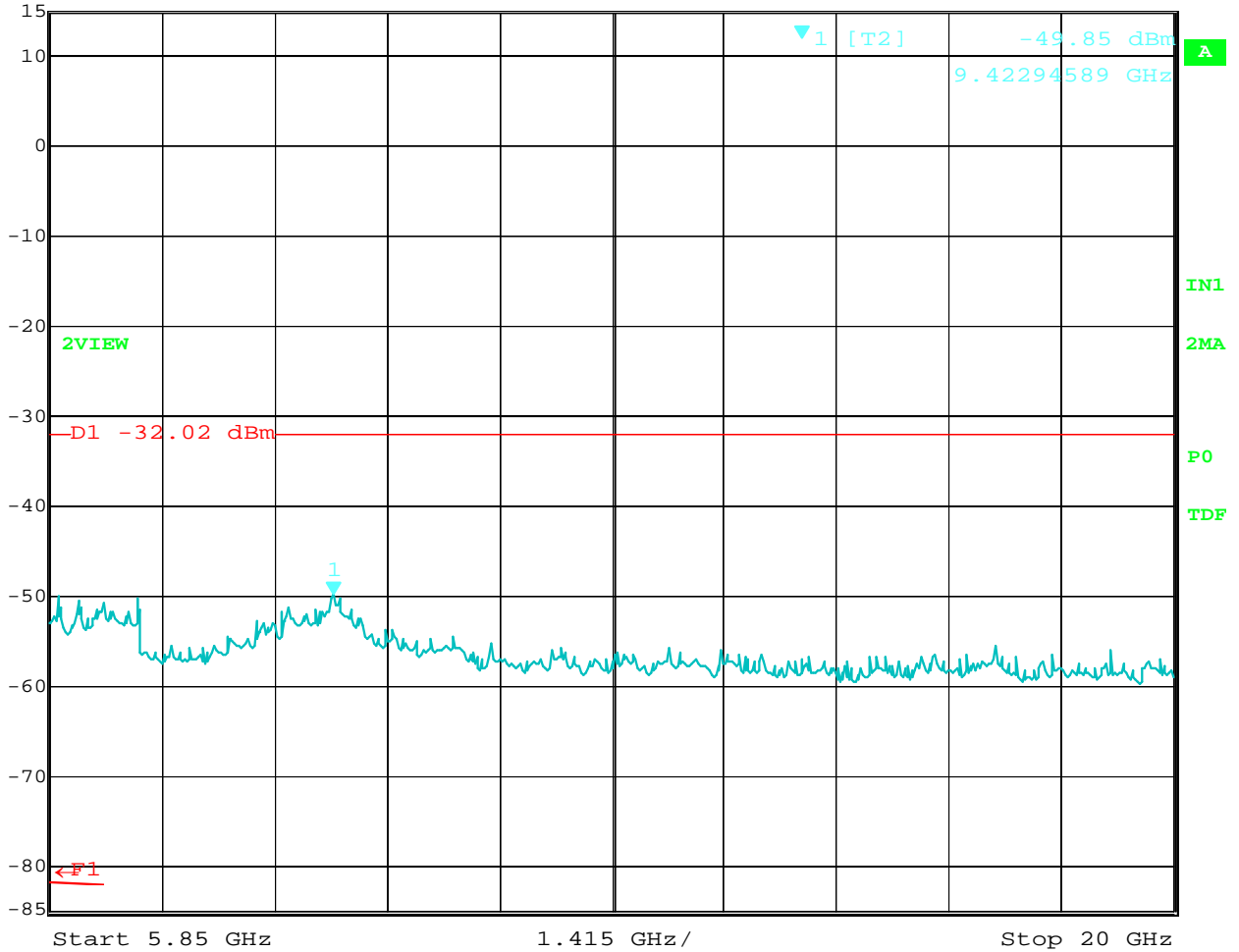


Date: 11.SEP.2013 09:40:40

RF Antenna Conducted – Channel 165 – 802.11 a Mode – 2 MHz to 5725 MHz



Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -49.85 dBm VBW 300 kHz  
 15 dBm 9.42294589 GHz SWT 3.6 s Unit dBm

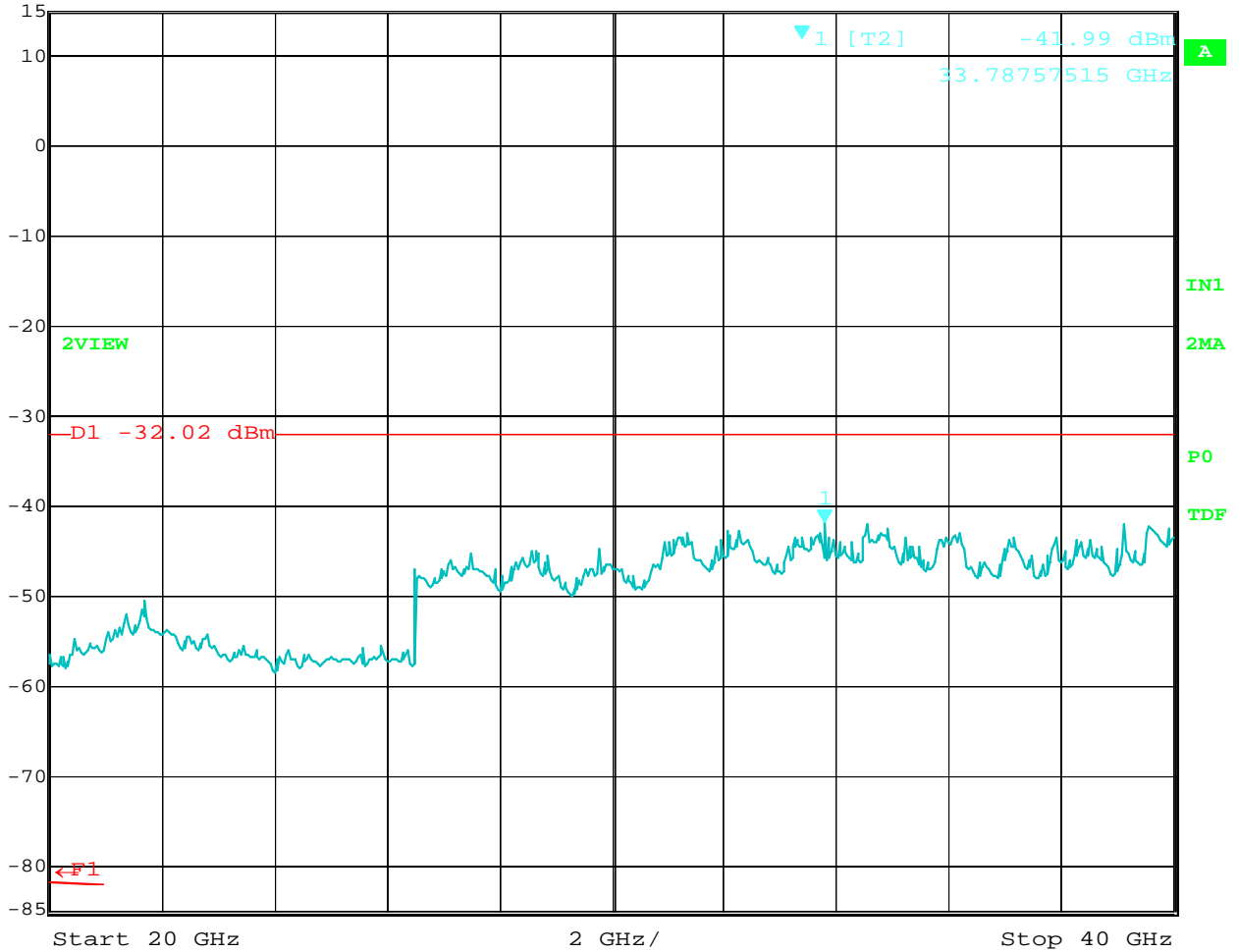


Date: 11.SEP.2013 09:41:11

RF Antenna Conducted – Channel 165 – 802.11 a Mode – 5850 MHz to 20000 MHz

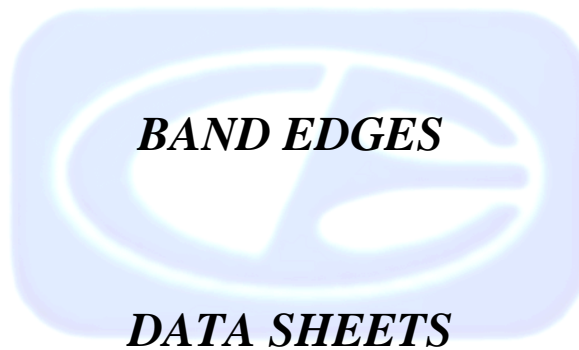


Marker 1 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -41.99 dBm VBW 300 kHz  
 15 dBm 33.78757515 GHz SWT 5 s Unit dBm



Date: 11.SEP.2013 09:41:46

RF Antenna Conducted – Channel 165 – 802.11 a Mode – 20000 MHz to 40000 MHz



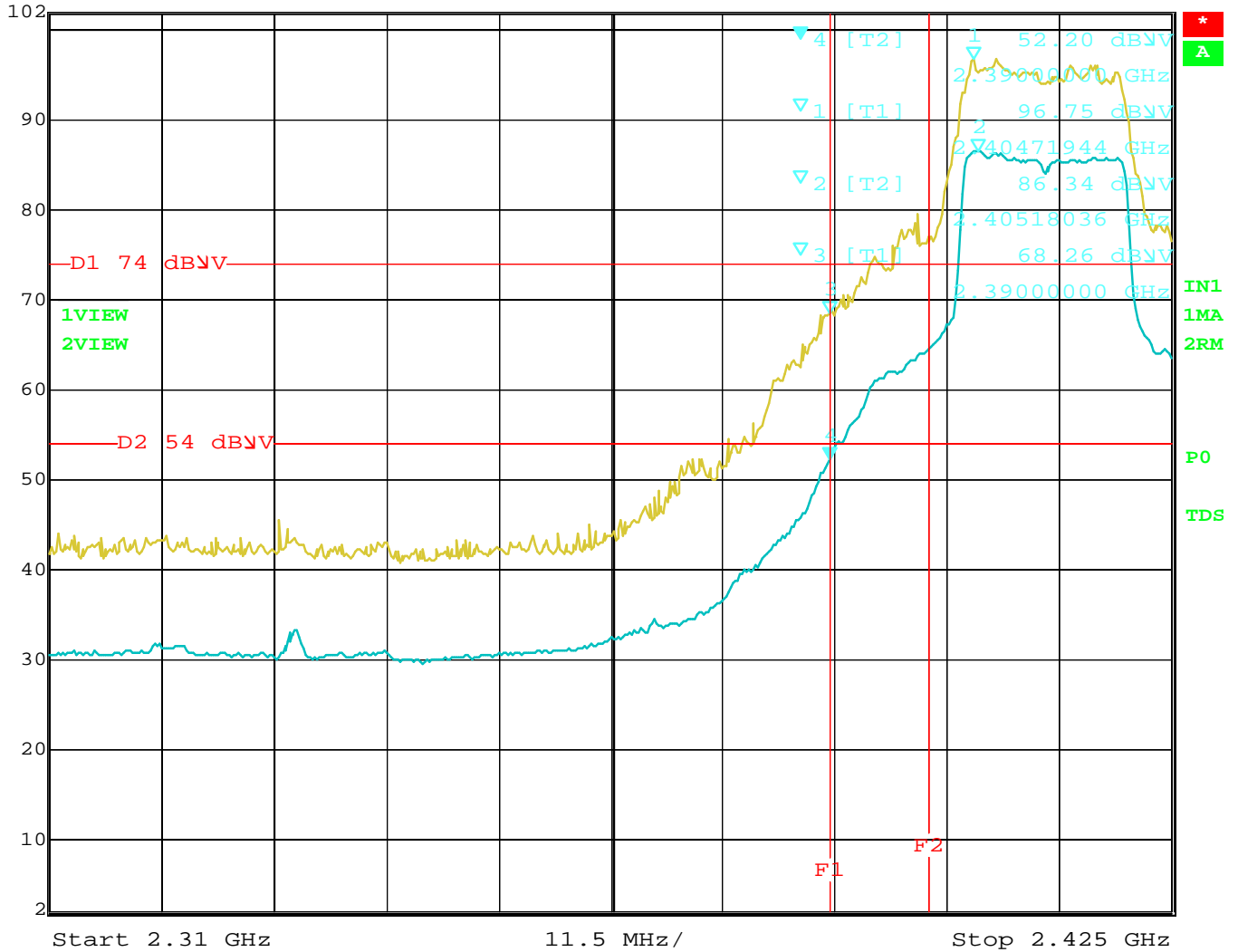








Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 52.20 dBV VBW 3 MHz  
 102 dBV 2.3900000 GHz SWT 5 ms Unit dBV

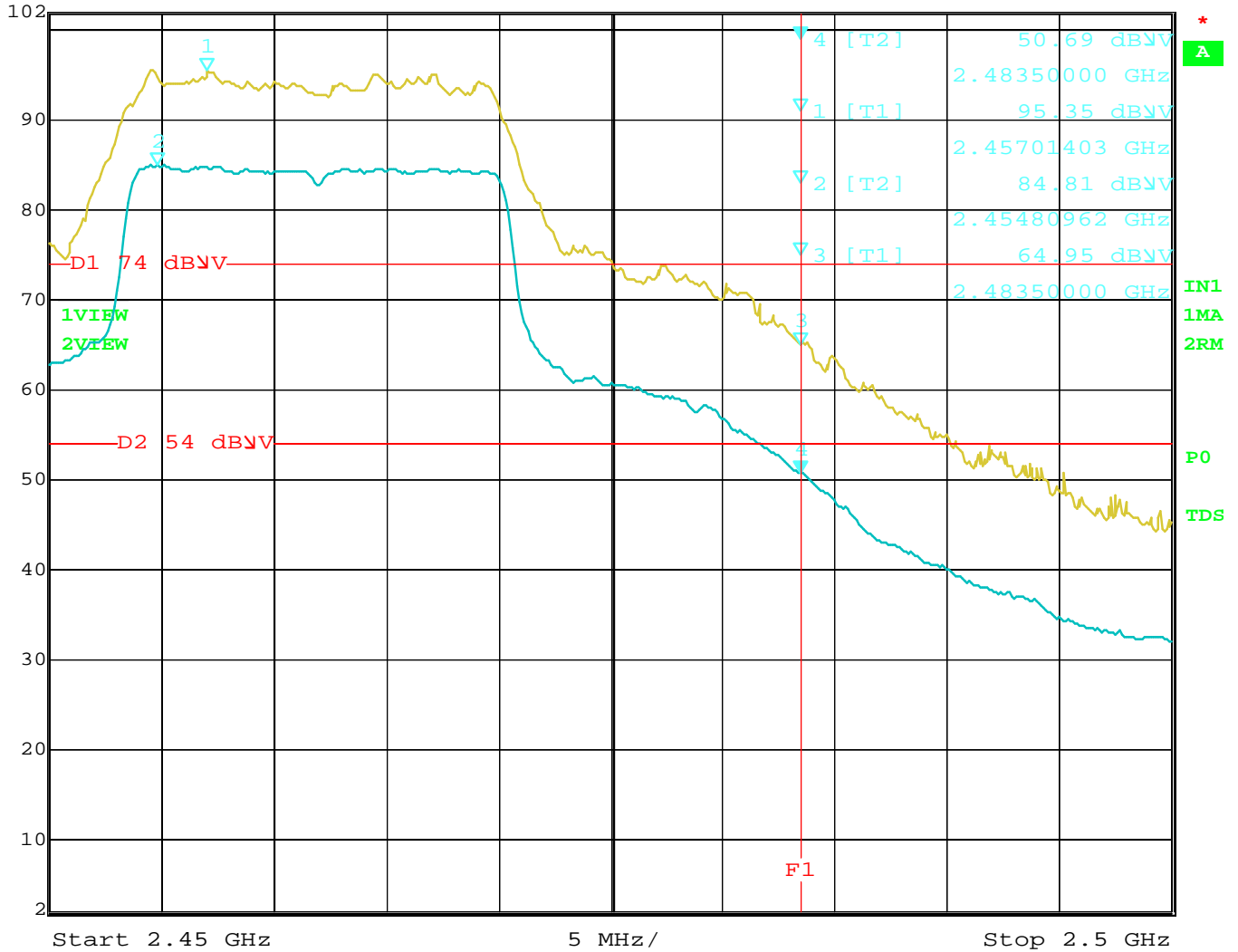


Date: 11.SEP.2013 15:16:14

Band Edge for Channel 1 – Antenna 1 – Vertical Polarization – Z-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 50.69 dBµV VBW 3 MHz  
 102 dBµV 2.48350000 GHz SWT 5 ms Unit dBµV

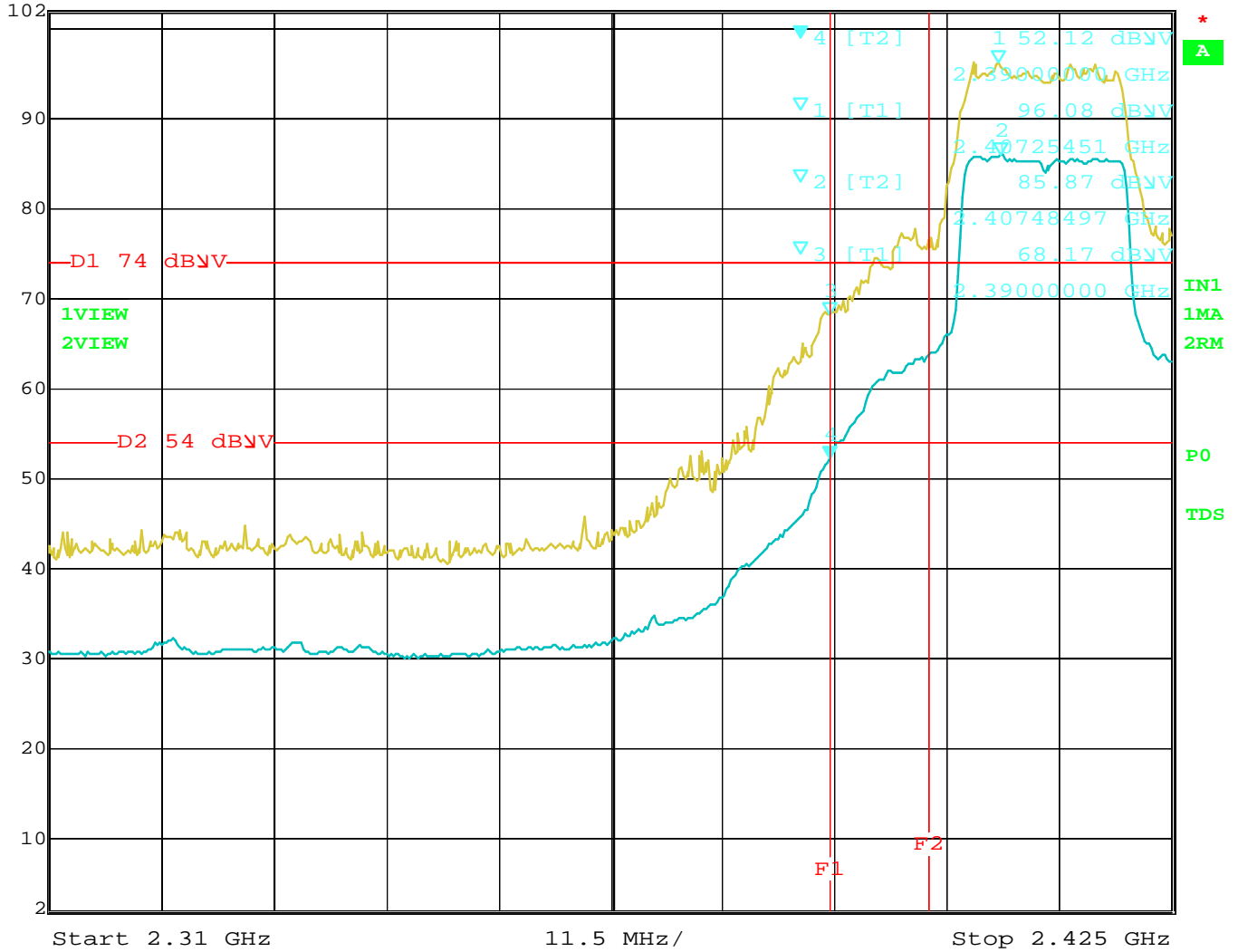


Date: 11.SEP.2013 15:32:20

Band Edge for Channel 11 – Antenna 1 – Vertical Polarization – Z-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 52.12 dBμV VBW 3 MHz  
 102 dBμV 2.39000000 GHz SWT 5 ms Unit dBμV

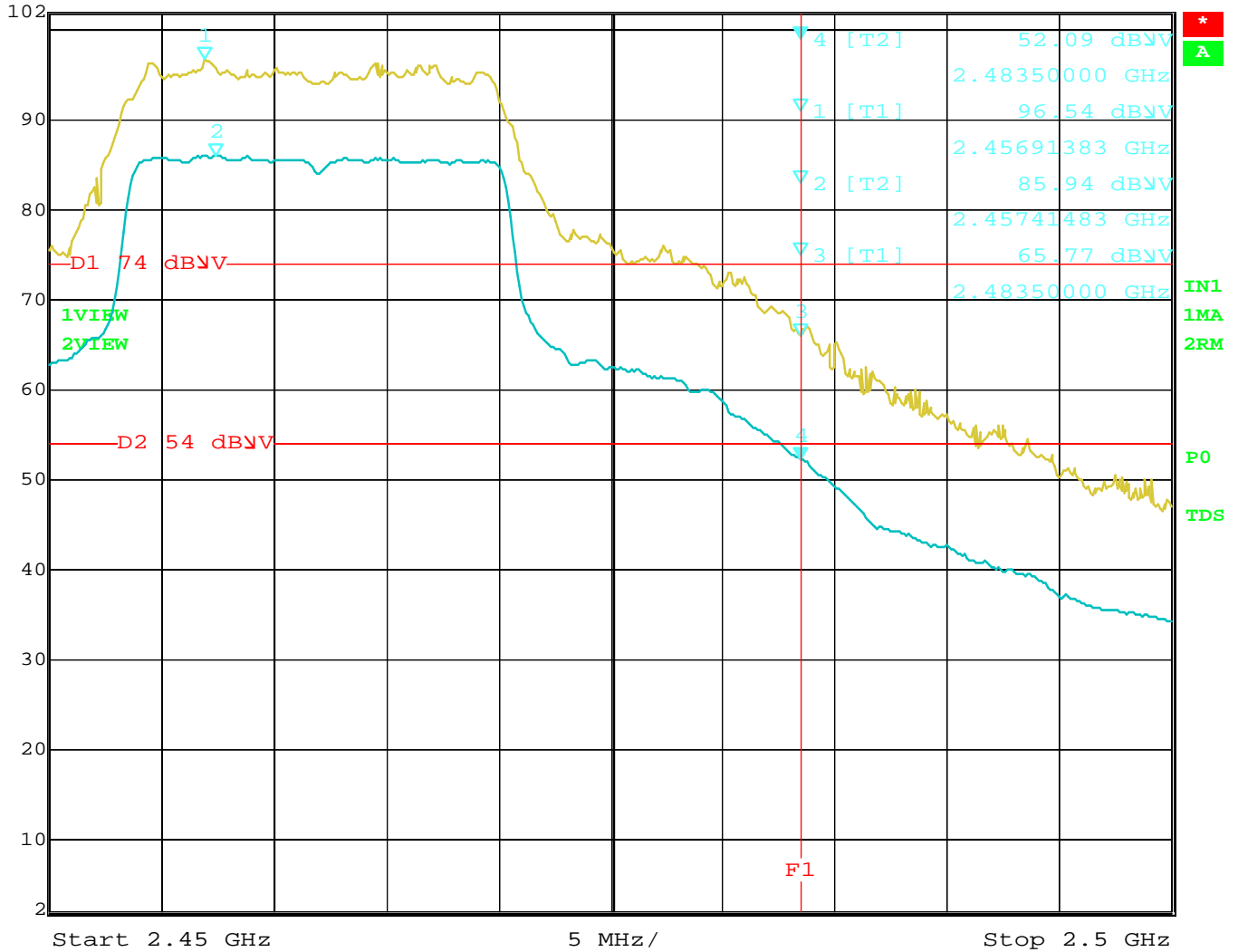


Date: 11.SEP.2013 15:22:38

Band Edge for Channel 1 – Antenna 1 – Horizontal Polarization – Y-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 52.09 dBV VBW 3 MHz  
 102 dBV 2.48350000 GHz SWT 5 ms Unit dBV



Date: 11.SEP.2013 15:27:22

Band Edge for Channel 11 – Antenna 1 – Horizontal Polarization – X-Axis (Worst Case)

**FCC 15.247**

Roku, inc.  
Roku Remote  
Model: RC07

Dates: 09/04/2013 and 09/11/2013  
Lab: B  
Tested By: Kyle Fujimoto

**Band Edges - Vertical Polarization - 802.11 g Mode - Antenna 2  
Worst Case - 6 Mbps - Z-Axis (Low Channel) - Y-Axis (High Channel)**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	96.15	V	--	--	Peak	1.25	155	Fundamental of
2412	85.67	V	--	--	Avg	1.25	155	Low Channel
2390	66.19	V	74	-7.81	Peak	1.25	155	Band Edge of Low
2390	50.8	V	54	-3.2	Avg	1.25	155	Channel
2462	93.78	V	--	--	Peak	1.25	155	Fundamental of
2462	83.38	V	--	--	Avg	1.25	155	High Channel
2483.5	61.7	V	74	-12.3	Peak	1.25	155	Band Edge of High
2483.5	47.98	V	54	-6.02	Avg	1.25	155	Channel

**FCC 15.247**

Roku, inc.  
 Roku Remote  
 Model: RC07

Dates: 09/04/2013 and 09/11/2013  
 Lab: B  
 Tested By: Kyle Fujimoto

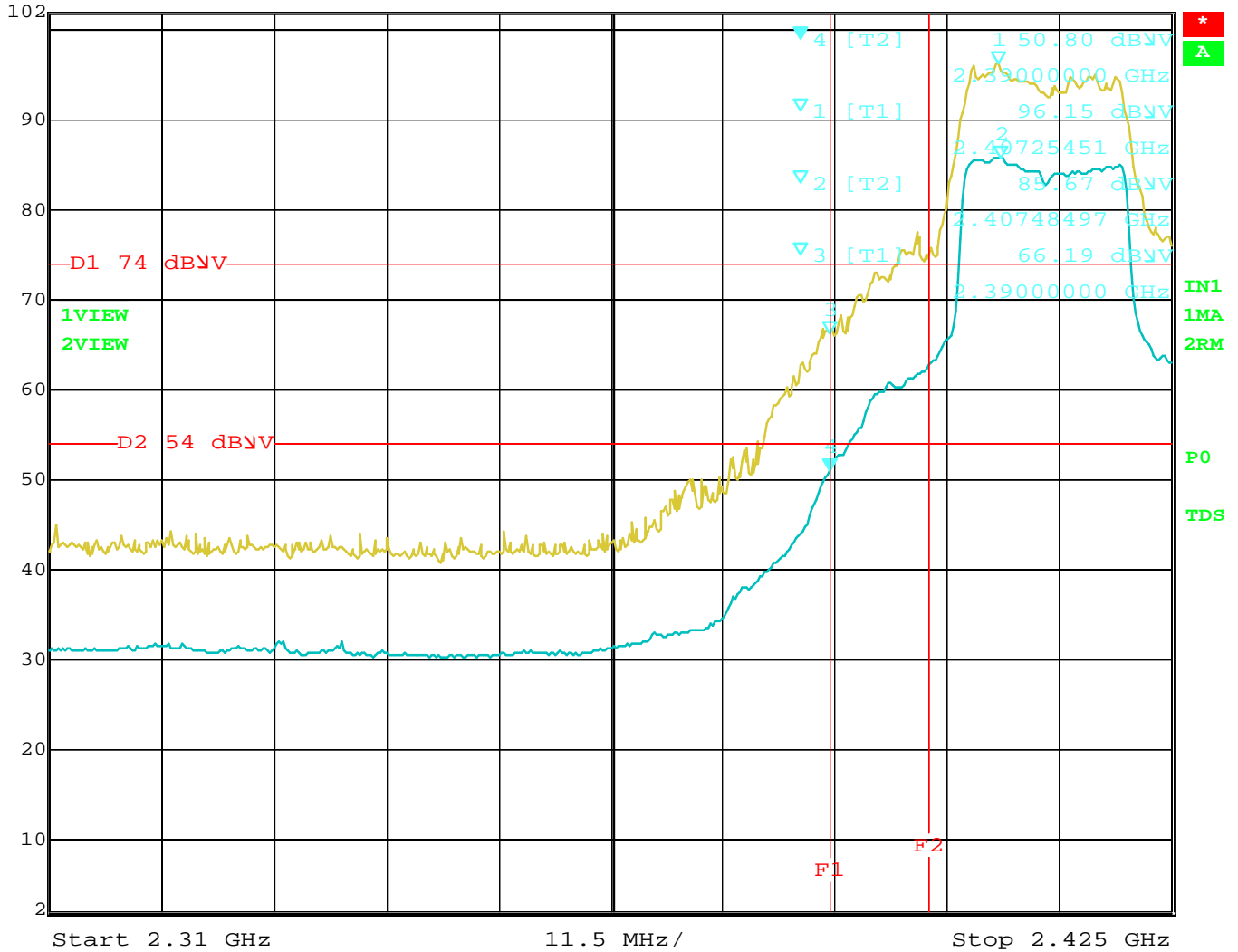
**Band Edges - Vertical Polarization - 802.11 g Mode - Antenna 2  
 Worst Case - 6 Mbps - X-Axis**

Freq. (MHz)	Level (dBUV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2412	97.33	H	--	--	Peak	1	225	Fundamental of Low Channel
2412	86.06	H	--	--	Avg	1	225	
2390	69.81	H	74	-4.19	Peak	1	225	Band Edge of Low Channel
2390	53.47	H	54	-0.53	Avg	1	225	
2462	96.75	H	--	--	Peak	1.25	0	Fundamental of High Channel
2462	88.08	H	--	--	Avg	1.25	0	
2483.5	64.11	H	74	-9.89	Peak	1.25	0	Band Edge of High Channel
2483.5	52.74	H	54	-1.26	Avg	1.25	0	





Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 50.80 dBμV VBW 3 MHz  
 102 dBμV 2.39000000 GHz SWT 5 ms Unit dBμV

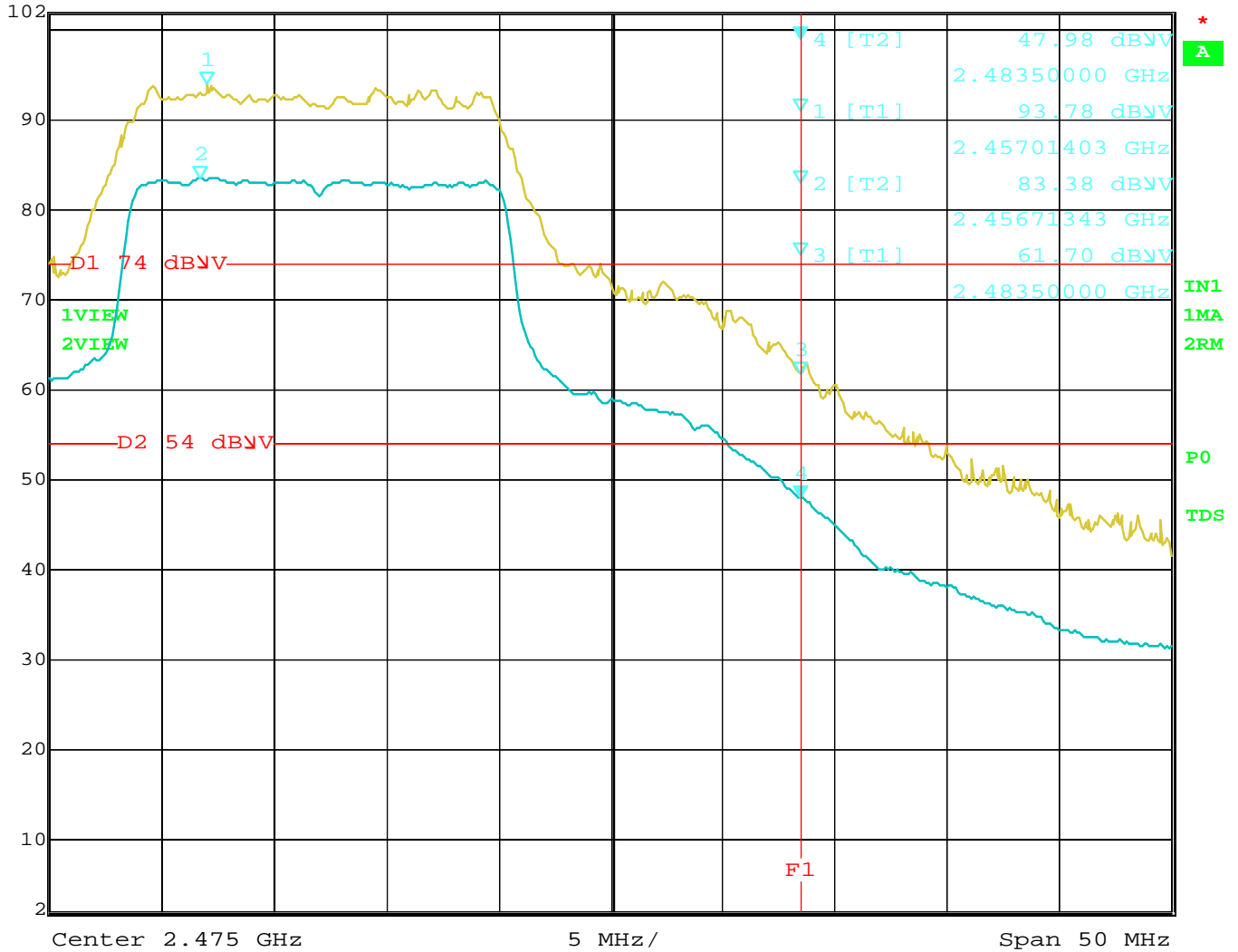


Date: 11.SEP.2013 14:44:09

Band Edge for Channel 1 – Antenna 2 – Vertical Polarization – Z-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 47.98 dBV VBW 3 MHz  
 102 dBV 2.48350000 GHz SWT 5 ms Unit dBV

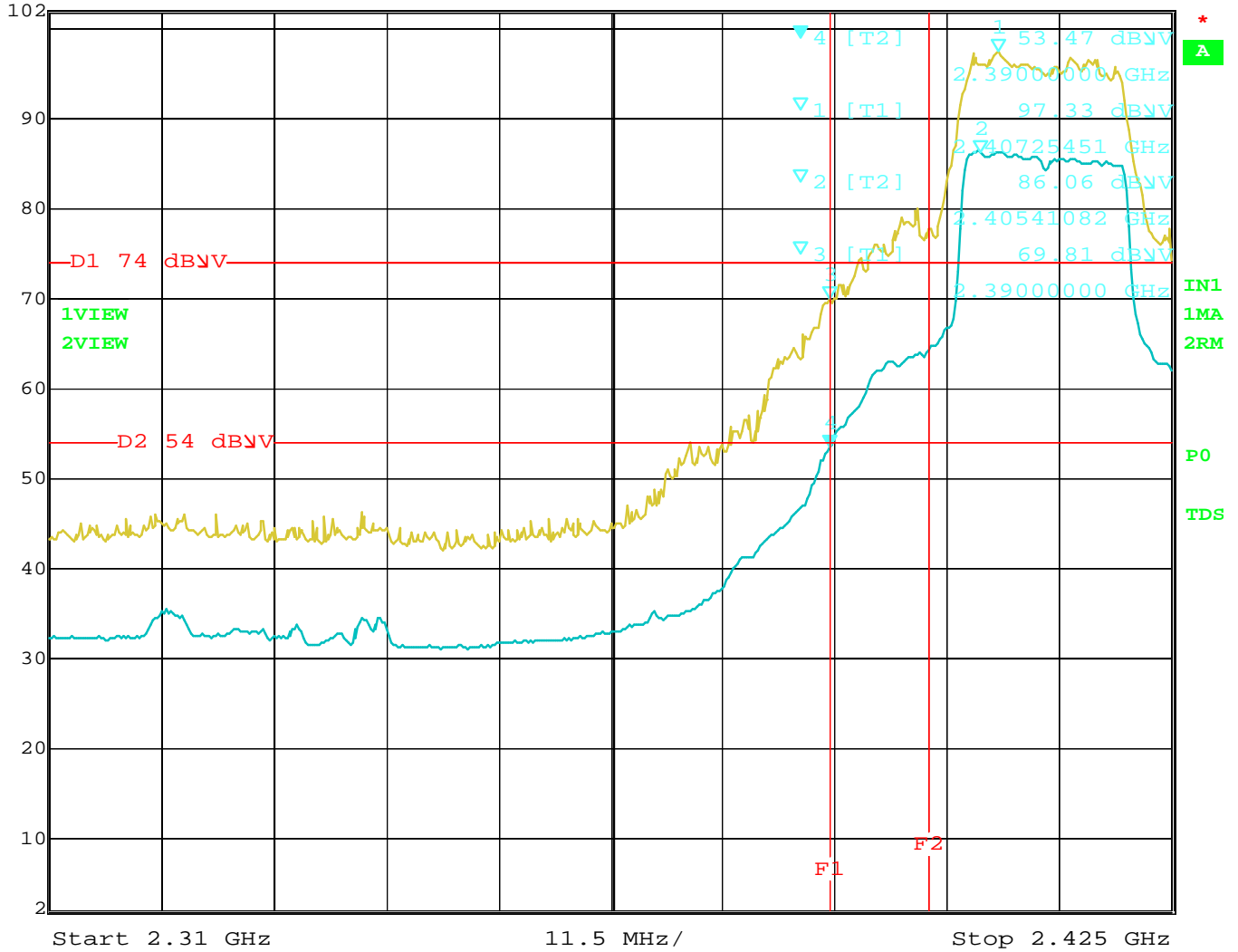


Date: 11.SEP.2013 15:07:39

Band Edge for Channel 11 – Antenna 2 – Vertical Polarization – Y-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 53.47 dBμV VBW 3 MHz  
 102 dBμV 2.39000000 GHz SWT 5 ms Unit dBμV

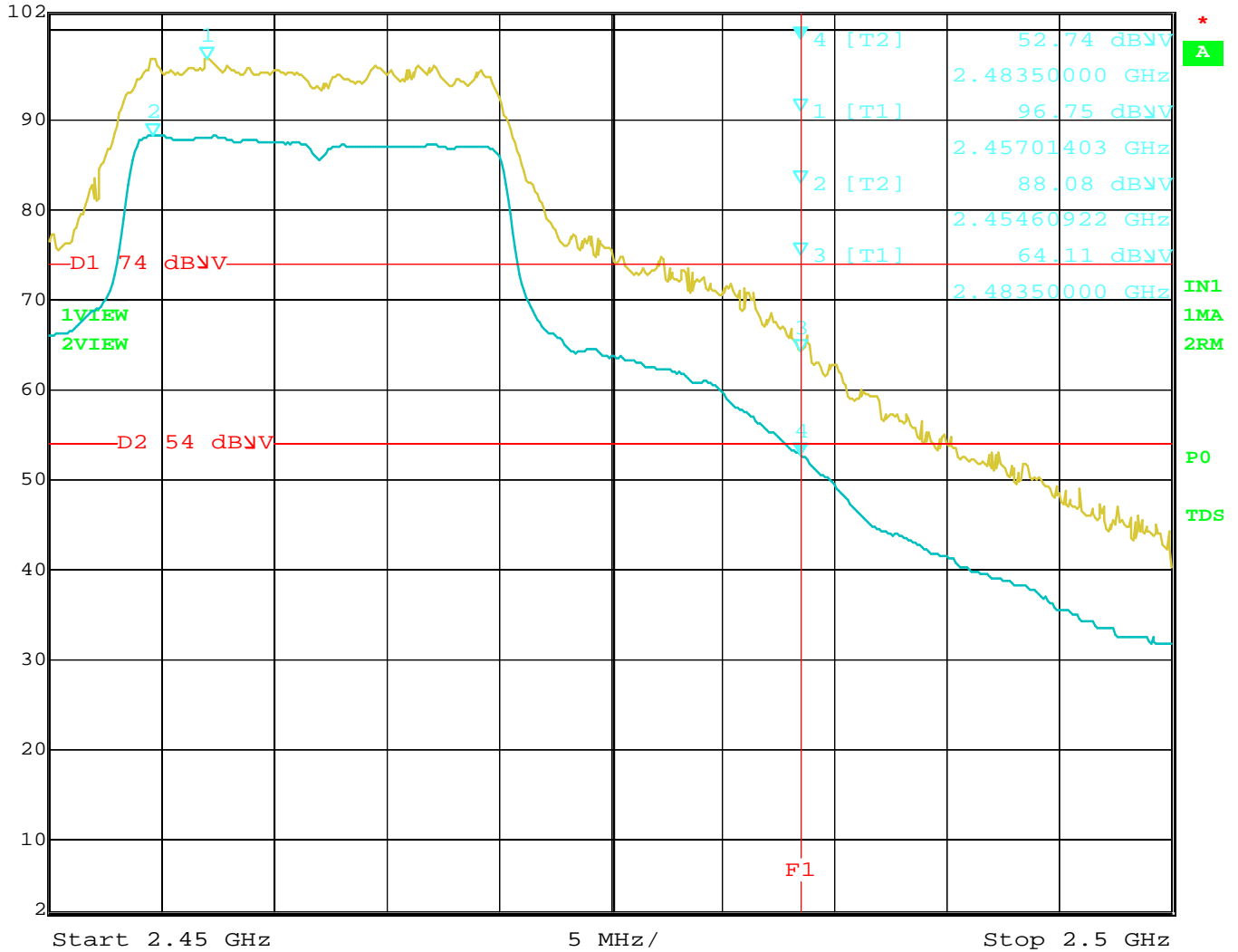


Date: 11.SEP.2013 14:51:06

Band Edge for Channel 1 – Antenna 2 – Horizontal Polarization – X-Axis (Worst Case)



Marker 4 [T2] RBW 1 MHz RF Att 10 dB  
 Ref Lvl 52.74 dBV VBW 3 MHz  
 102 dBV 2.48350000 GHz SWT 5 ms Unit dBV

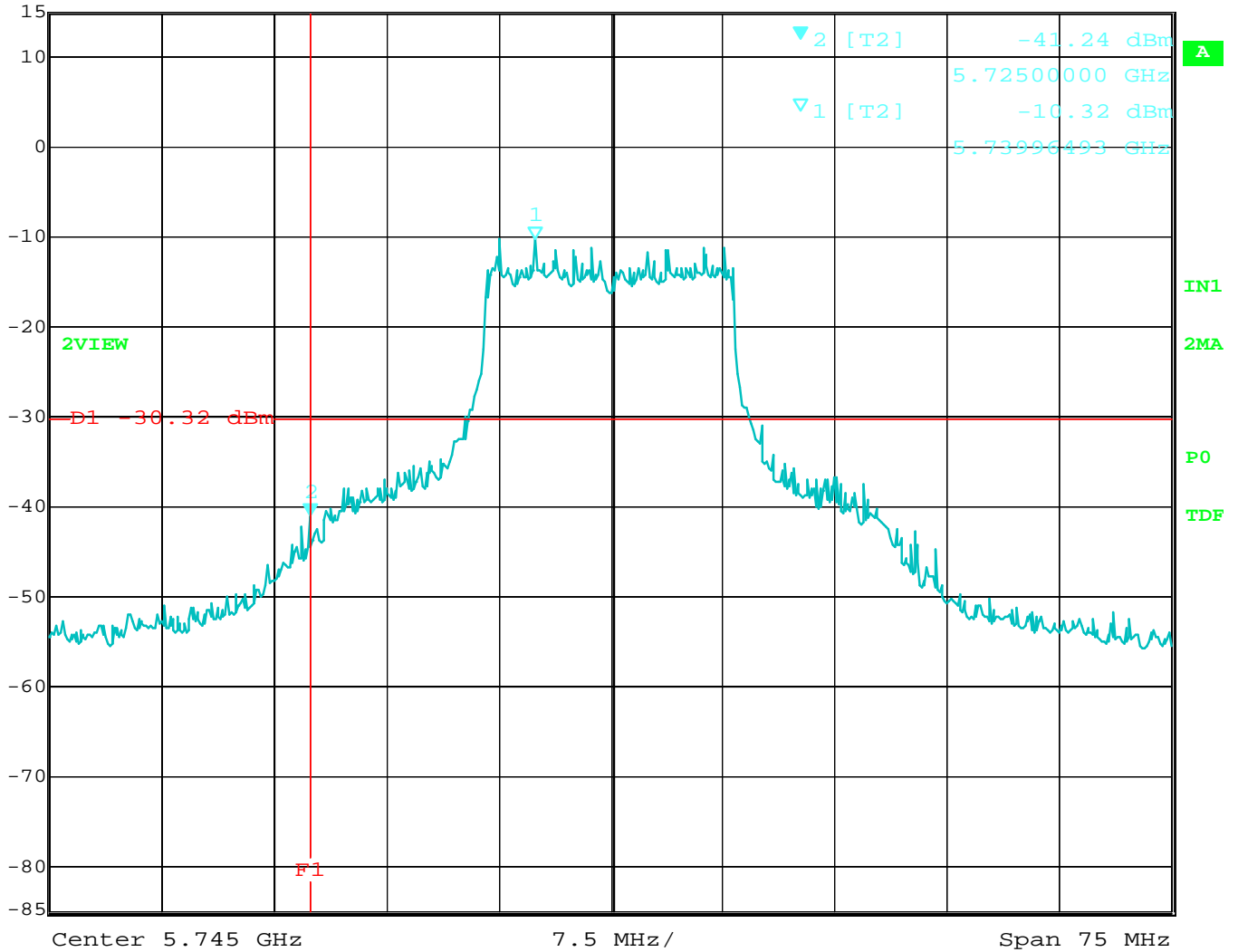


Date: 11.SEP.2013 14:59:45

Band Edge for Channel 11 – Antenna 2 – Horizontal Polarization – X-Axis (Worst Case)



Marker 2 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -41.24 dBm VBW 300 kHz  
 15 dBm 5.72500000 GHz SWT 19 ms Unit dBm

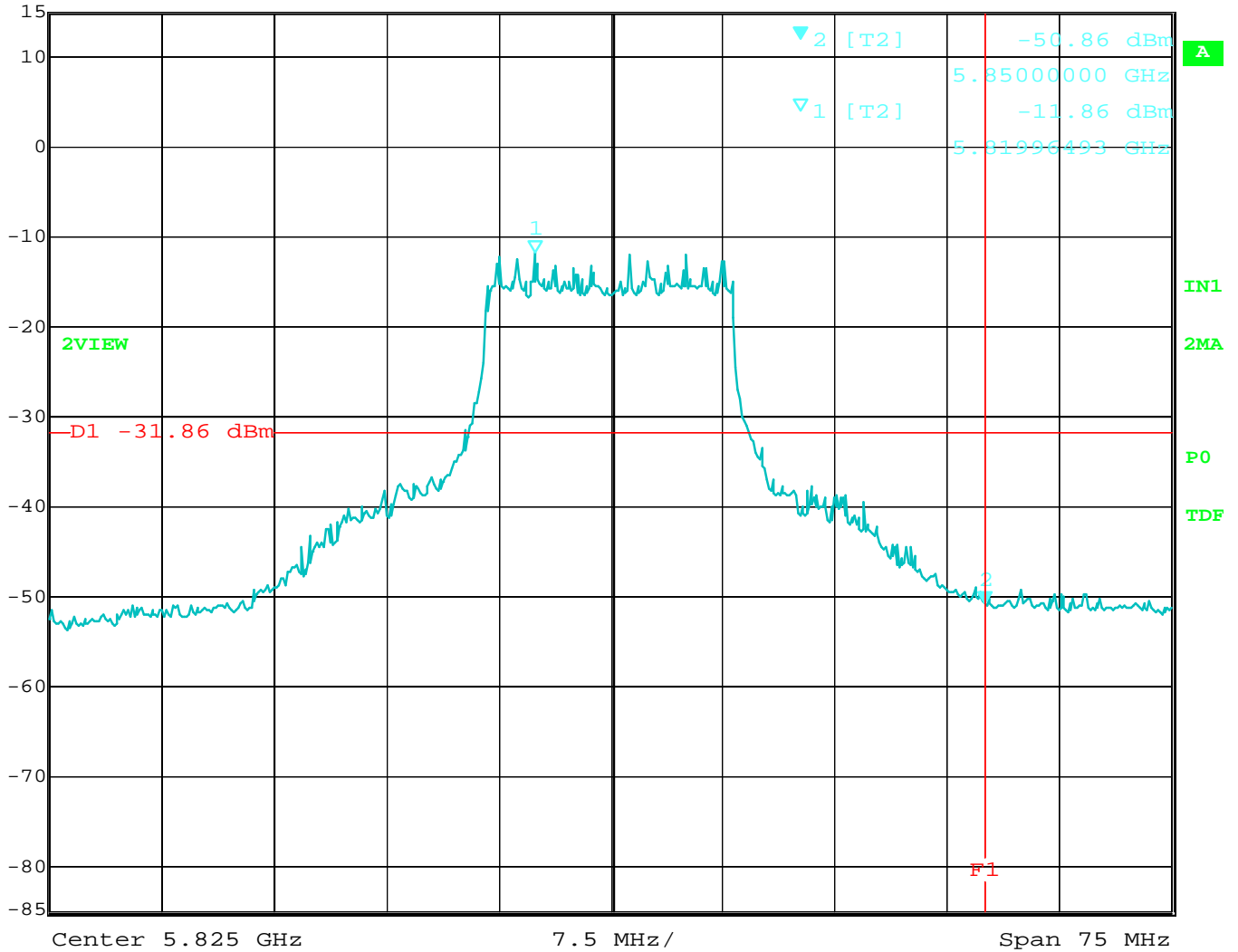


Date: 11.SEP.2013 09:28:40

Band Edge for Channel 149



Marker 2 [T2] RBW 100 kHz RF Att 30 dB  
 Ref Lvl -50.86 dBm VBW 300 kHz  
 15 dBm 5.85000000 GHz SWT 19 ms Unit dBm



Date: 11.SEP.2013 09:54:12

Band Edge for Channel 165