

*FCC PART 15, SUBPART B and C
TEST REPORT*

for

iPhone Camera Stand with Remote

MODEL: F8Z896

Prepared for

BELKIN INTERNATIONAL, INC.
12045 EAST WATERFRONT DRIVE
PLAYA VISTA, CA 90094

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DATE: NOVEMBER 3, 2011

	REPORT BODY	APPENDICES					TOTAL
		A	B	C	D	E	
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GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Device Tested: iPhone Camera Stand with Remote
Model: F8Z896
S/N: N/A

Product Description: See Expository Statement.

Modifications: The EUT was not modified.

Manufacturer: BELKIN INTERNATIONAL, INC.
12045 East Waterfront Drive
Playa Vista, CA 90094

Test Dates: October 4-7& November 3, 2011

Test Specifications: EMI requirements
CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.247

Test Procedure: ANSI C63.10: 2009

Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz – 30 MHz	The EUT is battery powered; therefore this test was not performed.
2	Spurious Radiated RF Emissions, 30 MHz – 1000 MHz	Complies with the Class B limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.209
3	Spurious Radiated RF Emissions, 10 kHz – 30 MHz and 1000 MHz – 25000 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, section 15.247(d)
4	Fundamental and Emissions produced by the intentional radiator in non-restricted bands, 10 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247(d)
5	Emissions produced by the intentional radiator in restricted bands, 10 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209, and section 15.247 (d)
6	Carrier Frequency Separation	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (a)(1)
7	20 dB Bandwidth	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (a)(1) and (a)(1)(iii)
8	Average Time of Occupancy	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (a)(1)(iii)
9	Peak Power Output	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (b)(1)
10	RF Conducted Antenna Test	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (d)
11	Band Edge	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (d)
12	Peak Power Spectral Density from the Intentional Radiator to the Antenna	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (f)

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the iPhone Camera Stand with Remote, Model: F8Z896. The EMI measurements were performed according to the measurement procedure described in ANSI C63.10: 2009. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the Class B specification limits defined by CFR Title 47 Part 15 Subpart B and Subpart C sections 15.205, 15.209, and 15.247.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15 Subpart B.

2. ADMINISTRATIVE DATA

2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 20621 Pascal Way, Lake Forest, California 92630.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

Belkin International, Inc.

Daniel Wesey EMC Regulatory Compliance Engineer

Compatible Electronics Inc.

Matt Harrison Test Technician
Josh Hansen Lab Manager, Lake Forest Division
Jeff Klinger Director of Engineering

2.4 Date Test Sample was received

The test sample was received prior to the date of testing.

2.5 Disposition of the Test Sample

The test sample remains at Compatible Electronics as of the date of this test report.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network
N/A	Not Applicable

3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

SPEC	TITLE
FCC Title 47, Part 15 Subpart B	FCC Rules - Radio frequency devices (including digital devices) – Unintentional Radiators
FCC Title 47, Part 15 Subpart C	FCC Rules - Radio frequency devices (including digital devices) – Intentional Radiators
ANSI C63.10 2009	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration - EMI

The iPhone Camera Stand with Remote, Model: F8Z896 (EUT) was set up in a tabletop configuration. A pair of AAA batteries was installed in the EUT battery compartment. The EUT was continuously transmitting during the test. The EUT was connected to a mobile phone (iPhone 4) via bluetooth communication. The EUT signaled the mobile phone to begin recording. The EUT antenna is intergrated in the PCB board design

The EUT was oriented in 3 orthoginal axis (X,Y,Z) to produce the highest emissions. The X axis produced the highest emissions was used throught testing.

Operation of the EUT during the testing:

For the intentional radiator portion of the test: The EUT used a program that locked one channel at a time so that the low, middle, and high channels could be tested. This allowed the EUT to be in a mode where no frequency hopping was enabled. The carrier was modulated in the same way it would be when the EUT was in its normal frequency hopping mode.

For the unintentional radiator and conducted emission portion of the test: The EUT used a program that allowed the EUT to function as normal (the channels were frequency hopping) on a continuous basis. It was also programmed to disable the transmitter and enable only the receiver.

The final radiated as well as the conducted data was taken in the modes above. Please see Appendix E for the data sheets.

4.1.1 Cable Construction and Termination

There were no interconnecting cables.



5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT**5.1 EUT and Accessory List**

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
IPHONE CAMERA STAND WITH REMOTE (EUT)	Belkin International, Inc.	F8Z896	N/A	K7SF8Z896
iPhone 4	Apple, Inc.	MC676LL	C37F61RCDDP7	N/A

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
GENERAL TEST EQUIPMENT USED FOR ALL RF EMISSIONS TESTS					
Computer	Hewlett Packard	Pavilion	NONE	N/A	N/A
EMI Receiver	Rohde & Schwarz	ESIB40	100172	1/13/2011	1/13/2012
Antenna, Active-Loop	Com Power	AL-130	17085	1/26/2011	1/26/2012
Antenna, CombiLog	Com Power	AC-220	003	6/07/2011	6/07/2012
Horn Antenna	Com-Power	AH-118	071250	10/1/2010	10/1/2012
Horn Antenna	Com-Power	AH-826	81033	N.C.R.	N/A
Pre Amp	Com-Power	PA-122	25196	6/08/2011	6/08/2012
Pre Amp	Com-Power	PA-840	181289	6/07/2011	6/07/2012
Mast, Antenna Positioner	Sunol Science Corporation	TWR 95-4	020808-3	N/A	N/A
Antenna Mast	Sunol Science Corporation	TWR 95-4	020808-3	N/A	N/A
Turntable	Sunol Science Corporation	FM 2001	N/A	N/A	N/A
Mast and Turntable Controller	Sunol Science Corporation	SC104V	020808-1	N/A	N/A
Power Measuring Analyzer	Boonton Electronics	4500A-01	1282	5/05/2011	5/05/2013

6. TEST SITE DESCRIPTION1**6.1 Test Facility Description**

Please refer to section 2.1 and 7.1 of this report for EMI test location.

6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.

7. CHARACTERISTICS OF THE TRANSMITTER

7.1 Transmitter Power

Transmit power is herein defined as the power delivered to a 50 ohm load at the RF output of the EUT.

Peak Power	Channel
5.33 dBm	LOW
5.44 dBm	MIDDLE
5.52 dBm	HIGH

7.2 Channel Number and Frequencies

There are a total of 79 channels. The low channel is at 2401.0 MHz and the high channel is at 2480.0 MHz. There is >1 MHz separation between channels.

Channel 1: 2401 MHz
Channel 2: 2402 MHz
(Etc.)

7.3 Antenna Gain

The antenna has a gain of 2 dBi.

8. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

8.1 RF Emissions

8.1.1 Conducted Emissions Test (AC mains)

(This test was not performed)

The receiver was used as a measuring meter. The receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the receiver records the highest measured reading over all the sweeps. The quasi-peak detector was used only where indicated in the data sheets. An attenuator was used for the protection of the receiver input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the receiver. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.10: 2009. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics conducted emissions software in several overlapping sweeps by running the receiver at a minimum scan rate of 10 seconds per octave. The final qualification data is located in Appendix E.

Test Results:

The EUT is battery powered; therefore this test was not performed.

8.1.2 Radiated Emissions (Spurious and Harmonics) Test

The receiver was used as a measuring meter. The receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the receiver records the highest measured reading over all the sweeps. Amplifiers were used to increase the sensitivity of the instrument. The Com Power Microwave Preamplifier Model: PA-122 was used for frequencies above 1 GHz, and the Com Power Microwave Preamplifier Model: PA-840 was used for frequencies above 18 GHz.

The quasi-peak adapter was used only for those readings which are marked accordingly on the data sheets.

The frequencies above 1 GHz were averaged manually by narrowing the video filter down to 10 Hz and putting the sweep time on AUTO on the receiver to keep the amplitude reading calibrated.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
10 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 1000 MHz	120 kHz	CombiLog Antenna
1 GHz to 25 GHz	1 MHz	Horn Antenna

The Semi-Anechoic test site of Compatible Electronics, Inc, Lab P (Lake Forest) was used for radiated emission testing. This test site is set up according to ANSI C63.10: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gun sight method was used when measuring with the horn antenna in order to ensure accurate results. The EUT was tested at a 3 meter test distance from 10 kHz to 25 GHz to obtain the final test data.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.209 and 15.247 (d) for radiated emissions. There were no emissions found below 30MHz. Please see Appendix E for the data sheets.

8.2 20 dB Bandwidth

The 20 dB Bandwidth was measured using the EMI Receiver; with the frequency hopping operation turned off. The bandwidth was measured using a direct connection from the RF output of the EUT. The resolution bandwidth was 30 kHz and the video bandwidth was 100 kHz.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(1) and (a)(1)(iii). The 20 dB bandwidth is less than the separation between channels. Please see the data sheets located in Appendix E.

8.3 Peak Output Power

The Peak Output Power was measured using the Power Measuring Analyzer; with the frequency hopping operation turned off. The peak output power was measured using a direct connection from the RF output of the EUT.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (b)(1). The maximum peak output power is less than 1 watt. Please see the data sheets located in Appendix E.

8.4 RF Antenna Conducted Test

The RF antenna conducted test was performed using the EMI Receiver. The RF antenna conducted test measured using a direct connection from the RF out on the EUT into the input of the EMI Receiver. The resolution bandwidth was 100 kHz, and the video bandwidth was 1 MHz. The spans were wide enough to include all the harmonics and emissions that were produced by the intentional radiator.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power that is produced by the intentional radiator is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power. Please see the radiated emission data sheets located in Appendix E.

8.5 RF Band Edges

The RF band edges were taken at the edges of the ISM spectrum (2400 MHz when the EUT was on the low channel and 2483.5 MHz when the EUT was on the high channel) using the EMI Receiver. A preamplifier was used to boost the signal level, with the plots being taken at a 3 meter test distance. The radiated emissions test procedure as describe in section 8.1 of this test report was used to maximize the emission.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power at the band edges at 2400 MHz and 2483.5 MHz meet the requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). Please see the data sheets located in Appendix E.

8.6 Carrier Frequency Separation

The Channel Hopping Separation Test was measured using the EMI Receiver. The EUT was operating in its normal operating mode. The resolution bandwidth was 100 kHz, and the video bandwidth 300 kHz. The frequency span was wide enough to include the peaks of two adjacent channels.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(1) and 15.247 (a)(1)(iii). The Channel Hopping Separation is greater than the 20 dB bandwidth. Please see the data sheets located in Appendix D.

8.7 Number of Hopping Channels

The Number of Hopping Channels Test was measured using the EMI Receiver. The EUT was operating in its normal operating mode. The resolution bandwidth was 1 MHz, and the video bandwidth was 3 MHz. The frequency span was wide enough to include all of the peaks in the frequency band of operation.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(1) and 15.247 (a)(1)(iii). The number of hopping frequencies is 79. Please see the data sheets located in Appendix E.

8.8 Average Time of Occupancy Test

The Average Time of Occupancy Test was measured using the EMI Receiver. The EUT was operating in normal operating mode. The frequency span was taken to 0 Hz with a sweep time of 5 ms to determine the time for each transmission.

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. This means the time of occupancy of any one channel cannot be greater than 0.4 seconds in a 31.6 second period (0.4 seconds * 79 channels).

The sweep time was then changed to 2 seconds and the number of pulses taken. The number of pulses was then multiplied by 15.8 to determine the number of pulses in a 31.6 second period. The number of pulses in a 31.6 second period was then multiplied by the time for each pulse to determine the average time of occupancy.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(1)(iii). The EUT does not transmit for more than 400 msec in a 31.6 second period on any frequency. Please see the data sheets located in Appendix E.

8.9 Spectral Density Test

The spectrum density output was measured using the EMI Receiver; with the frequency hopping operation turned off. The spectral density output was measured using a direct connection from the RF out on the EUT into the input of the EMI Receiver. The resolution bandwidth 3 kHz, and the video bandwidth was 10 kHz. The highest 1.5 MHz of the signal was used as the frequency span with the sweep rate being 1 second for every 3 kHz of span.

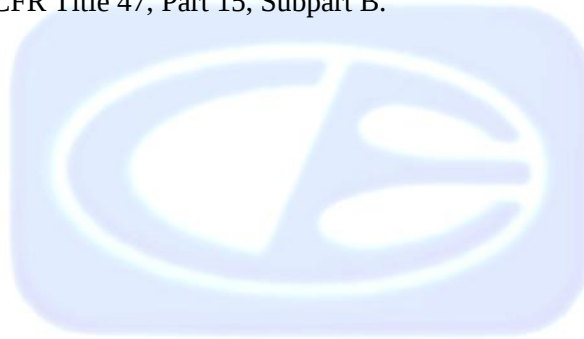
Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (f).

9. CONCLUSIONS

The iPhone Camera Stand with Remote Model: F8Z896 meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.247.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.





APPENDIX A

LABORATORY RECOGNITIONS

LABORATORY RECOGNITIONS

Compatible Electronics has the following agency accreditations:

National Voluntary Laboratory Accreditation Program - Lab Code: 200527-0

Voluntary Control Council for Interference - Registration Numbers: R-3276, C-3645, T-11758

Bureau of Standards and Metrology Inspection - Reference Number: SL2-IN-E-1031

Conformity Assessment Body for the EMC Directive Under the US/EU MRA Appointed by NIST

Compatible Electronics is recognized or on file with the following agencies:

Industry Canada
Site Number: 2154C-1



APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

There were no modifications made to the EUT during the testing.





APPENDIX C

***ADDITIONAL MODELS COVERED
UNDER THIS REPORT***

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

iPhone Camera Stand with Remote
Model: F8Z896
S/N: N/A

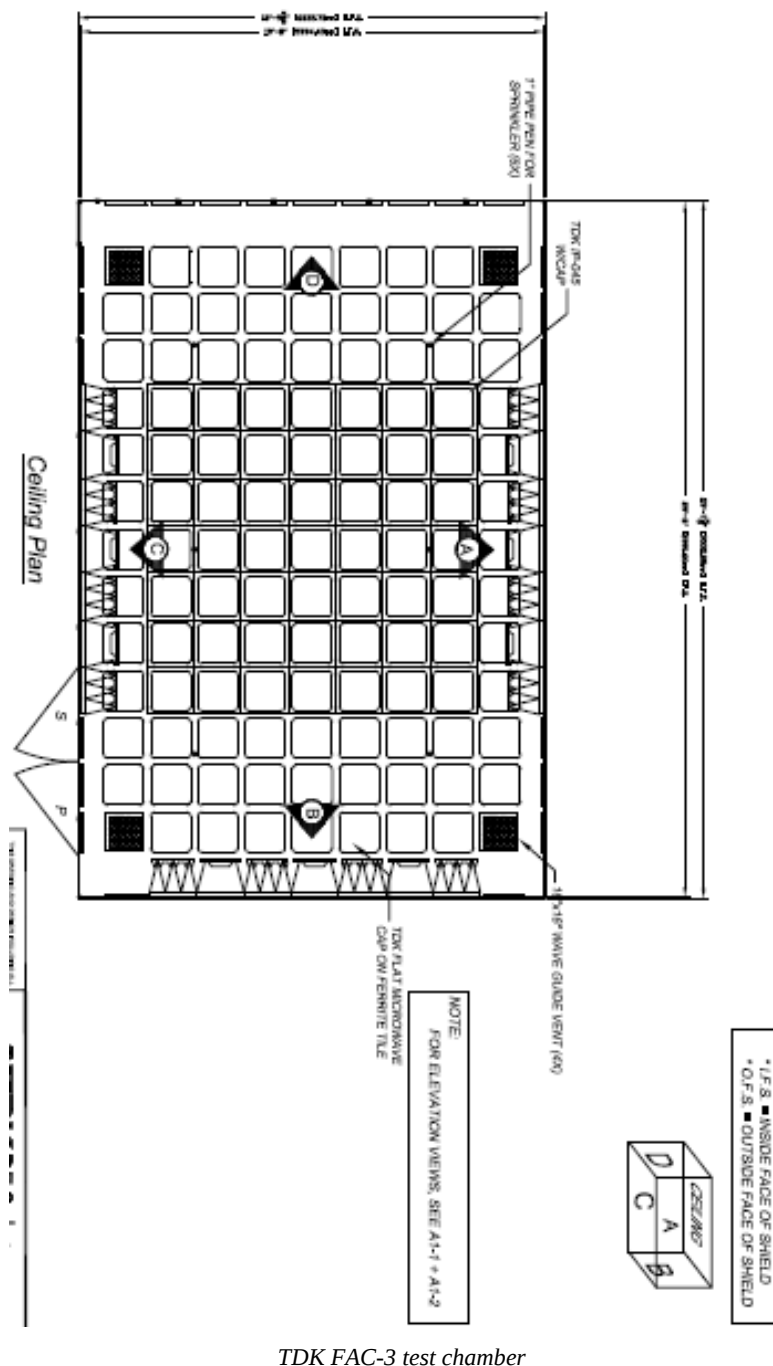
There were no additional models covered under this report.



APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

FIGURE 1: PLOT MAP AND LAYOUT OF RADIATED SITE



COM-POWER AL-130**LOOP ANTENNA****S/N: 17085****CALIBRATION DATE: JANUARY 26, 2011**

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)	FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-41.14	10.36	0.8	-40.91	10.59
0.01	-40.98	10.52	0.9	-40.80	10.70
0.02	-40.87	10.63	1	-40.81	10.69
0.03	-40.13	11.37	2	-40.51	10.99
0.04	-40.42	11.08	3	-40.54	10.96
0.05	-41.06	10.44	4	-40.44	11.06
0.06	-41.07	10.43	5	-40.32	11.18
0.07	-41.12	10.38	6	-40.69	10.81
0.08	-41.03	10.47	7	-40.37	11.13
0.09	-41.04	10.46	8	-39.99	11.51
0.1	-41.26	10.24	9	-40.00	11.50
0.2	-41.23	10.27	10	-40.08	11.42
0.3	-41.26	10.24	15	-42.36	9.14
0.4	-41.14	10.36	20	-38.75	12.75
0.5	-41.24	10.26	25	-40.70	10.80
0.6	-41.22	10.28	30	-41.09	10.41
0.7	-41.12	10.38			

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.

COM-POWER AC-220
LAB P - COMBYLOG ANTENNA
S/N: 003

CALIBRATION DATE: JUNE 07, 2011

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	18.30	180	9.00
35	18.30	200	8.90
40	18.90	250	11.50
45	17.90	300	14.20
50	16.60	300	14.20
60	13.10	400	14.80
70	7.50	500	16.10
80	6.30	600	18.30
90	7.90	700	20.40
100	8.50	800	20.80
120	9.90	900	21.10
140	9.30	1000	22.10
160	10.30		

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.

COM POWER AH-118**HORN ANTENNA**

S/N: 071250

CALIBRATION DATE: OCTOBER 1, 2010

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	24.00	9500	35.90
1500	23.90	10000	40.40
2000	27.90	10500	41.70
2500	29.60	11000	38.90
3000	30.70	11500	40.30
3500	30.30	12000	38.10
4000	28.60	12500	42.80
4500	30.70	13000	38.80
5000	33.00	13500	36.90
5500	32.90	14000	43.70
6000	34.10	14500	42.00
6500	37.20	15000	42.00
7000	37.90	15500	37.90
7500	38.30	16000	38.50
8000	38.50	16500	39.20
8500	36.90	17000	39.20
9000	40.20	17500	42.80
		18000	43.20

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.

COM-POWER PA-122**PREAMPLIFIER**

S/N: 25196

CALIBRATION DATE: JUNE 8, 2011

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
500	32.47	11500	27.94
1000	31.97	12000	29.54
1500	31.38	12500	29.32
2000	30.78	13000	27.47
2500	29.98	13500	27.17
3000	29.57	14000	28.06
3500	29.15	14500	28.82
4000	28.48	15000	28.37
4500	27.77	15500	28.11
5000	27.54	16000	28.04
5500	27.32	16500	26.37
6000	27.56	17000	25.34
6500	27.47	17500	25.01
7000	27.85	18000	24.74
7500	27.77	18500	24.4
8000	27.8	19000	24.96
8500	28.23	19500	24.46
9000	28.38	20000	22.98
9500	27.27	20500	21.35
10000	26.73	21000	19.28
10500	26.45	21500	16.6
11000	26.67	22000	12.17

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.

COM-POWER AH-826**LAB P - HORN ANTENNA****S/N: 81033****CALIBRATION DATE: N.C.R.**

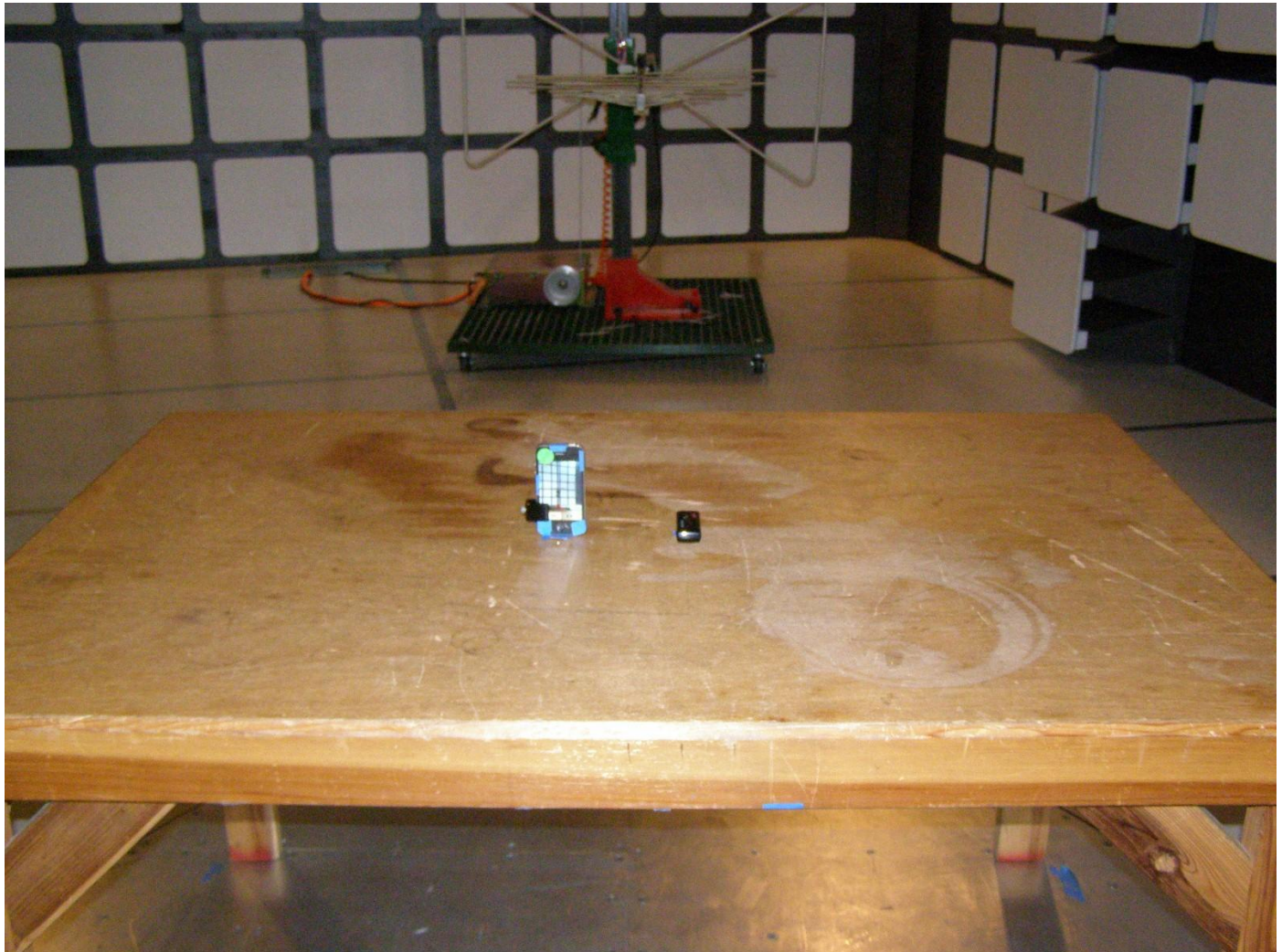
FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
18000	32.8	22500	32.7
18500	32.2	23000	32.7
19000	31.9	23500	32.0
19500	31.5	24000	32.9
20000	33.3	24500	33.7
20500	33.2	25000	34.1
21000	32.6	25500	33.6
21500	33.2	26000	35.1
22000	33.0	26500	33.6

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.

COM-POWER PA-840**18-40 GHz PREAMPLIFIER****S/N: 181289****CALIBRATION DATE: JUNE 07, 2011**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18000	31.47	31500	28.82
19000	31.17	32000	29.35
20000	30.71	32500	28.59
21000	33.32	33000	29.31
22000	32.09	33500	27.56
23000	30.97	34000	28.56
24000	30.35	34500	28.12
25000	31.42	35000	28.06
26000	32.53	35500	27.87
26500	31.67	36000	26.55
27000	32.51	36500	27.57
27500	31.44	37000	27.44
28000	32.15	37500	27.84
28500	30.61	38000	27.44
29000	30.38	38500	28.35
29500	30.28	39000	32.63
30000	30.02	39500	31.44
30500	29.79	39999	30.52
31000	29.78		

Note: Factors applied to measurement. Where applicable for amplitude accuracy, readings shown on data have been corrected for antenna loss as well as cable loss.



VIEW 1

BELKIN INTERNATIONAL, INC.
IPHONE CAMERA STAND WITH REMOTE
MODEL: F8Z896
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



VIEW 2

BELKIN INTERNATIONAL, INC.
IPHONE CAMERA STAND WITH REMOTE
MODEL: F8Z896
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



APPENDIX E

DATA SHEETS



RADIATED SPURIOUS EMISSIONS

DATA SHEETS

(TX)

Title: FCC 15.209

File: Radiated Pre-Scan 30-1000Mhz_Tx.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Paired with iPhone 4, Recording Video

Comments: Witness: Po-Wen

Temp: 65f

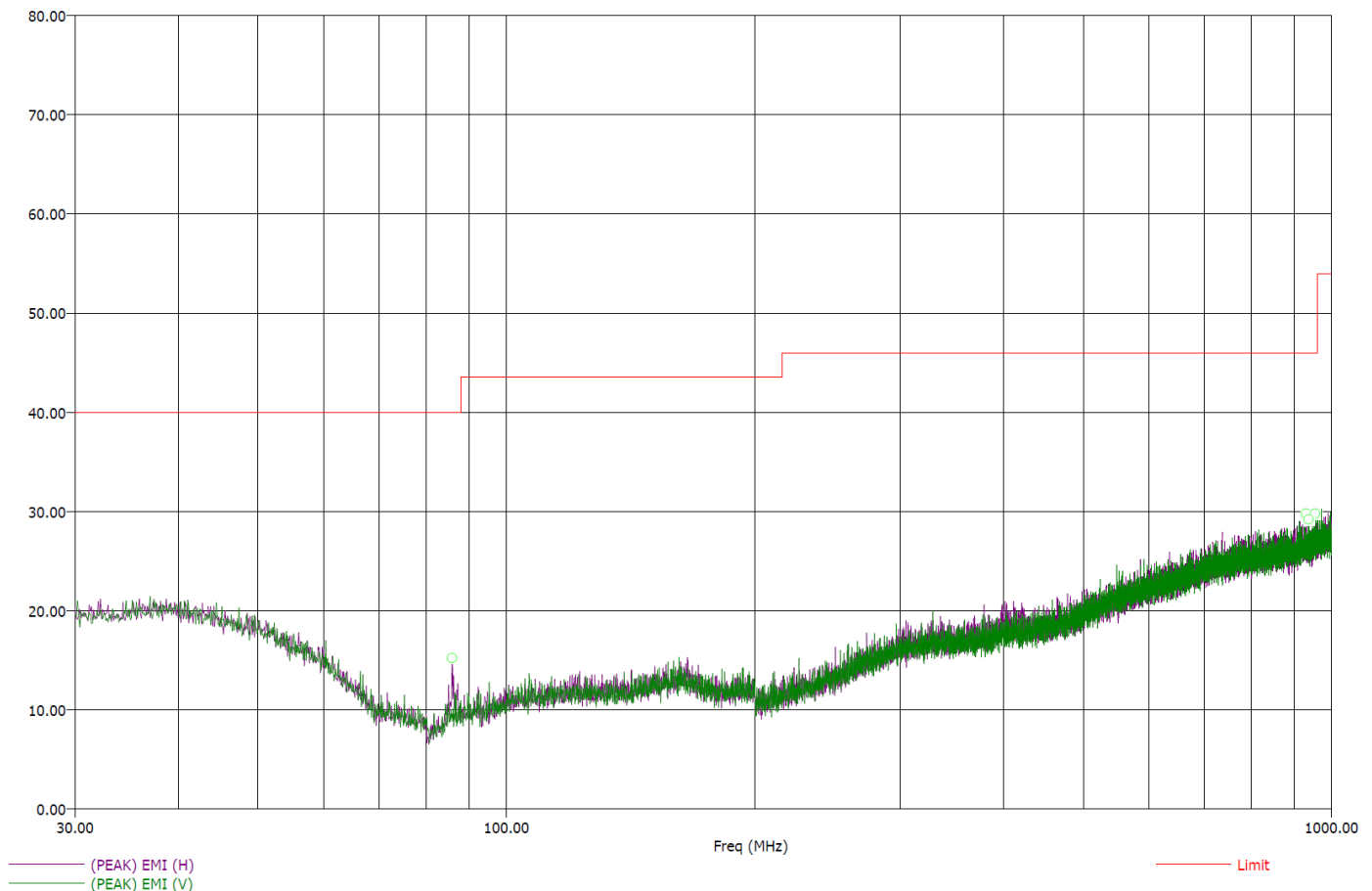
Hum: 56%

Battery Powered

10/5/2011 9:12:10 AM

Sequence: Preliminary Scan

Compatible Electronics, Inc. FAC-3 (LAB P)

Electric Field Strength (dB μ V/m)

No radiated emissions found between 0.01 - 30 MHz

(TX)

Title: FCC 15.209

10/5/2011 9:43:54 AM

File: Radiated Final 30-1000Mhz_Tx.set

Sequence: Final Measurements

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Paired with iPhone 4, Recording Video

Comments: Witness: Po-Wen

Temp: 65f

Hum: 56%

Battery Powered

Compatible Electronics, Inc. FAC-3 (LAB P)

Freq (MHz)	(QP) Margin (dB)	(QP) EMI (dBµV/m)	(PEAK) EMI (dBµV/m)	Limit (dBµV/m)	Pol	Ttbl Agl (deg)	Twr Ht (cm)	Transducer (dB)	Cable (dB)
86.00	-31.23	8.77	13.95	40.00	H	235.75	177.52	7.28	0.62
931.70	-22.59	23.41	29.04	46.00	H	272.75	308.70	21.43	2.79
938.30	-22.46	23.54	28.98	46.00	V	344.00	184.76	21.49	2.80
953.20	-22.18	23.82	29.14	46.00	H	126.75	328.23	21.65	2.83
955.60	-22.25	23.75	29.03	46.00	V	-0.25	377.47	21.67	2.83
959.70	-22.15	23.85	29.03	46.00	H	270.25	287.17	21.71	2.85

No radiated emissions found between 0.01 - 30 MHz

(TX)

Title: FCC 15.209

File: Radiated Pre-scan 1-18GHz.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Paired with iPhone 4, Recording Video

Comments: Witness: Po-Wen

Temp: 65f

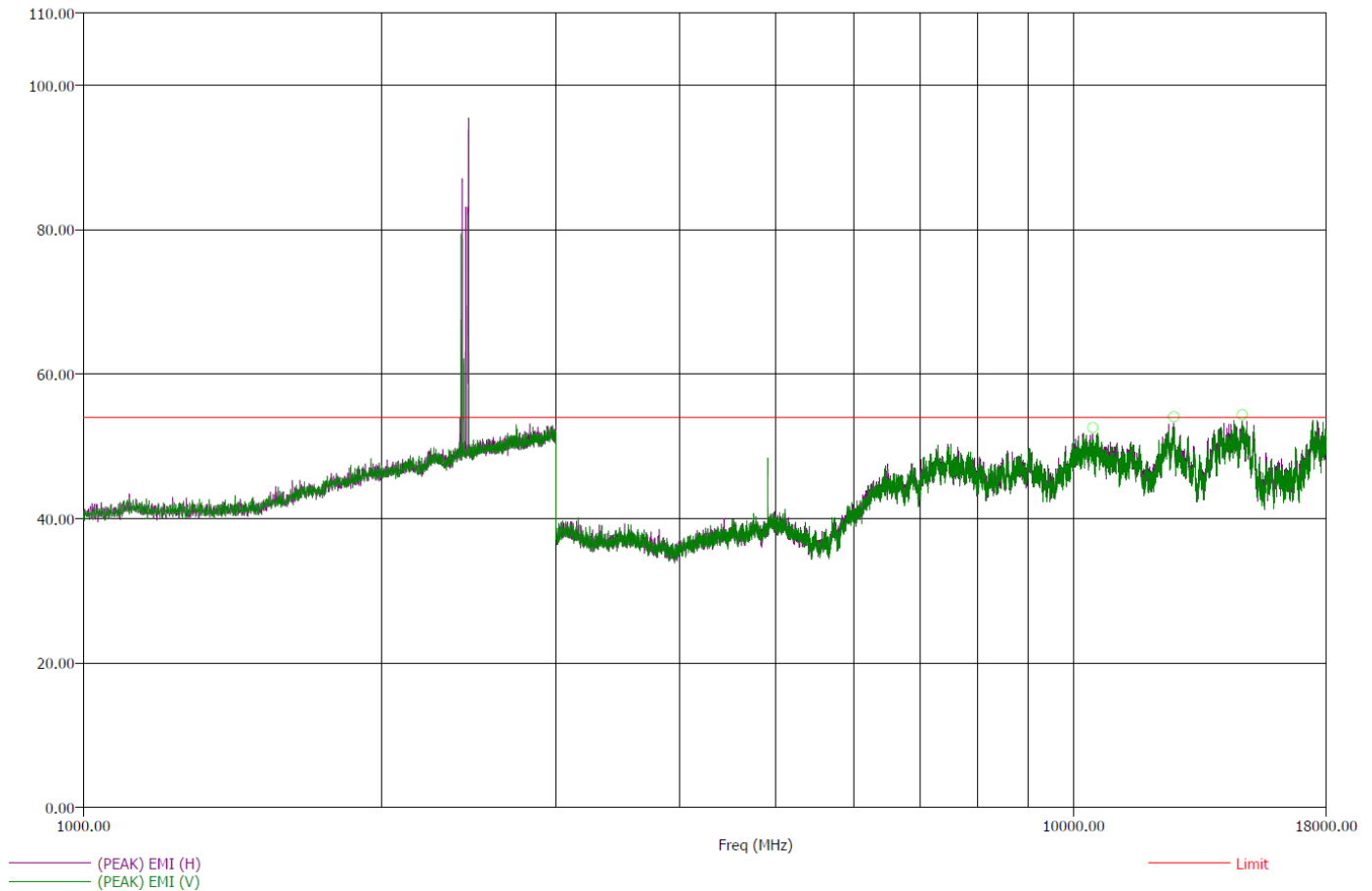
Hum: 56%

Battery Powered

10/5/2011 11:23:47 AM

Sequence: Preliminary Scan

Compatible Electronics, Inc. FAC-3 (LAB P)

Electric Field Strength (dB μ V/m)

No radiated emissions found between 18 - 25 GHz

(TX)

Title: FCC 15.209

File: Radiated Final 1-18GHz.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Paired with iPhone 4, Recording Video

Comments: Witness: Po-Wen

Temp: 65f

Hum: 56%

Battery Powered

10/5/2011 1:16:43 PM

Sequence: Final Measurements

Compatible Electronics, Inc. FAC-3 (LAB P)

Freq (MHz)	(AVG) Margin (dB)	(AVG) EMI (dBµV/m)	(PEAK) EMI (dBµV/m)	Limit (dBµV/m)	Pol	Ttbl Agl (deg)	Twr Ht (cm)	Transducer (dB)	Cable (dB)
2735.00	-14.53	39.45	52.14	53.98	V	12.25	157.41	30.14	7.05
2823.00	-14.01	39.97	52.43	53.98	H	135.25	292.88	30.33	7.13
10453.00	-14.60	39.38	52.77	53.98	H	111.00	258.76	41.59	17.51
12619.00	-16.86	37.12	49.99	53.98	H	0.25	400.11	41.82	19.73
14805.00	-19.19	34.79	47.59	53.98	V	40.00	399.76	42.00	20.30

No radiated emissions found between 18 - 25 GHz

(RX)

Title: FCC 15.209

10/5/2011 10:03:46 AM

File: Radiated Pre-Scan 30-1000Mhz_StandBy.set

Sequence: Preliminary Scan

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: In Standby Mode

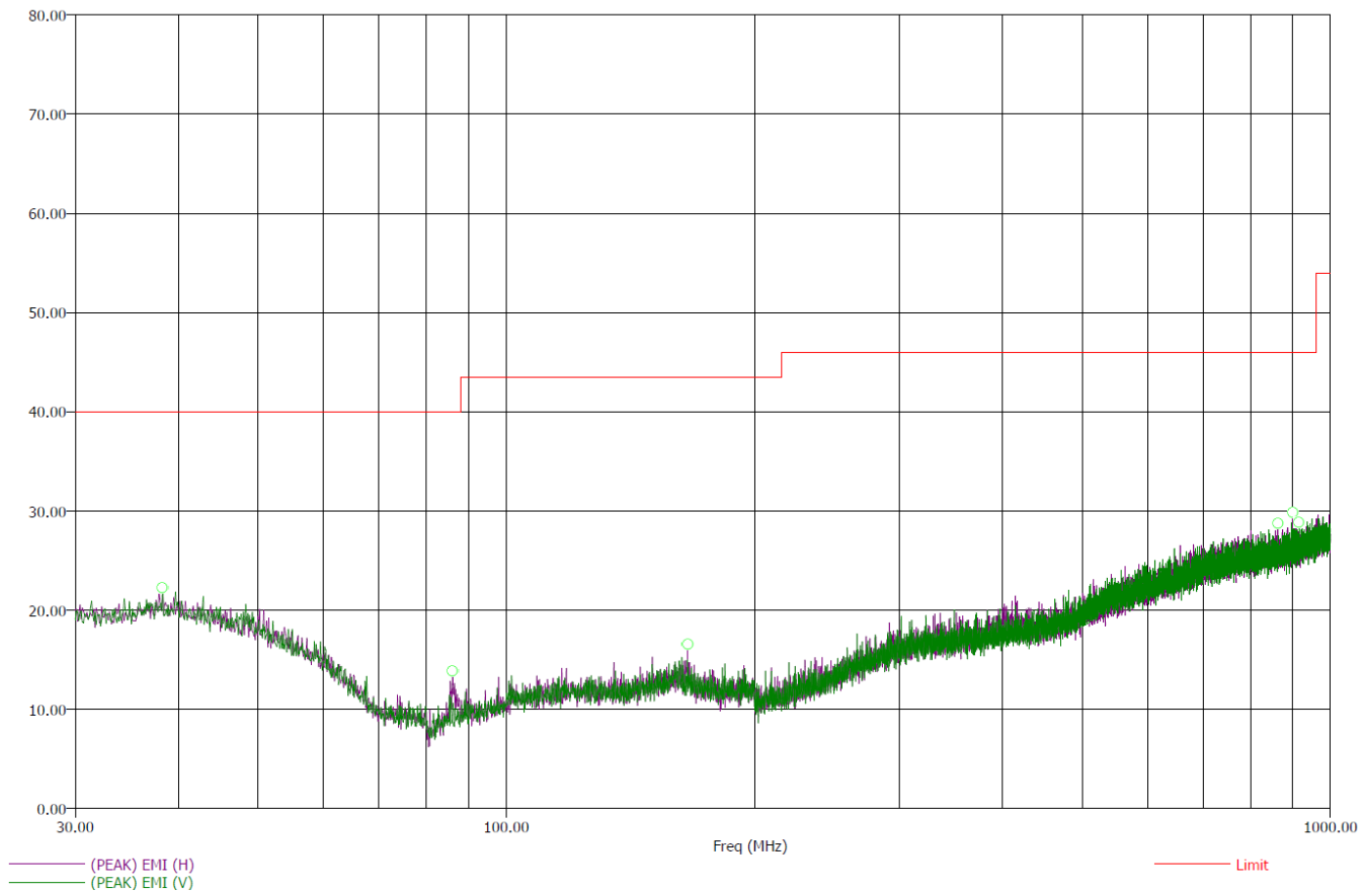
Comments: Witness: Po-Wen

Temp: 65f

Hum: 56%

Battery Powered

Compatible Electronics, Inc. FAC-3 (LAB P)

Electric Field Strength (dB μ V/m)**Brea Division**
114 Olinda Drive
Brea, CA 92823
(714) 579-0500**Agoura Division**
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600**Silverado Division**
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700**Lake Forest Division**
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

(RX)

Title: FCC 15.209

File: Radiated Final 30-1000Mhz_StandBy.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: In Stand By Mode

Comments: Witness: Po-Wen

Temp: 65f

Hum: 56%

Battery Powered

10/5/2011 10:25:08 AM

Sequence: Final Measurements

Compatible Electronics, Inc. FAC-3 (LAB P)

Freq (MHz)	(QP) Margin (dB)	(QP) EMI (dBµV/m)	(PEAK) EMI (dBµV/m)	Limit (dBµV/m)	Pol	Ttbl Agl (deg)	Twr Ht (cm)	Transducer (dB)	Cable (dB)
38.30	-24.41	15.59	20.81	40.00	V	301.00	205.05	18.72	0.36
86.10	-30.89	9.11	14.17	40.00	H	25.25	135.29	7.29	0.62
165.90	-29.72	13.80	18.68	43.52	H	51.00	194.23	9.91	1.03
863.50	-23.31	22.69	28.21	46.00	H	0.00	399.82	20.99	2.65
899.90	-23.01	22.99	28.33	46.00	H	267.75	116.05	21.10	2.75
915.40	-22.78	23.22	27.94	46.00	V	274.50	334.05	21.26	2.77

(RX)

Title: FCC 15.209

File: Radiated Pre-scan 1-18GHz_StandBy.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Stand By Mode

Comments: Witness: Po-Wen

Temp: 65f

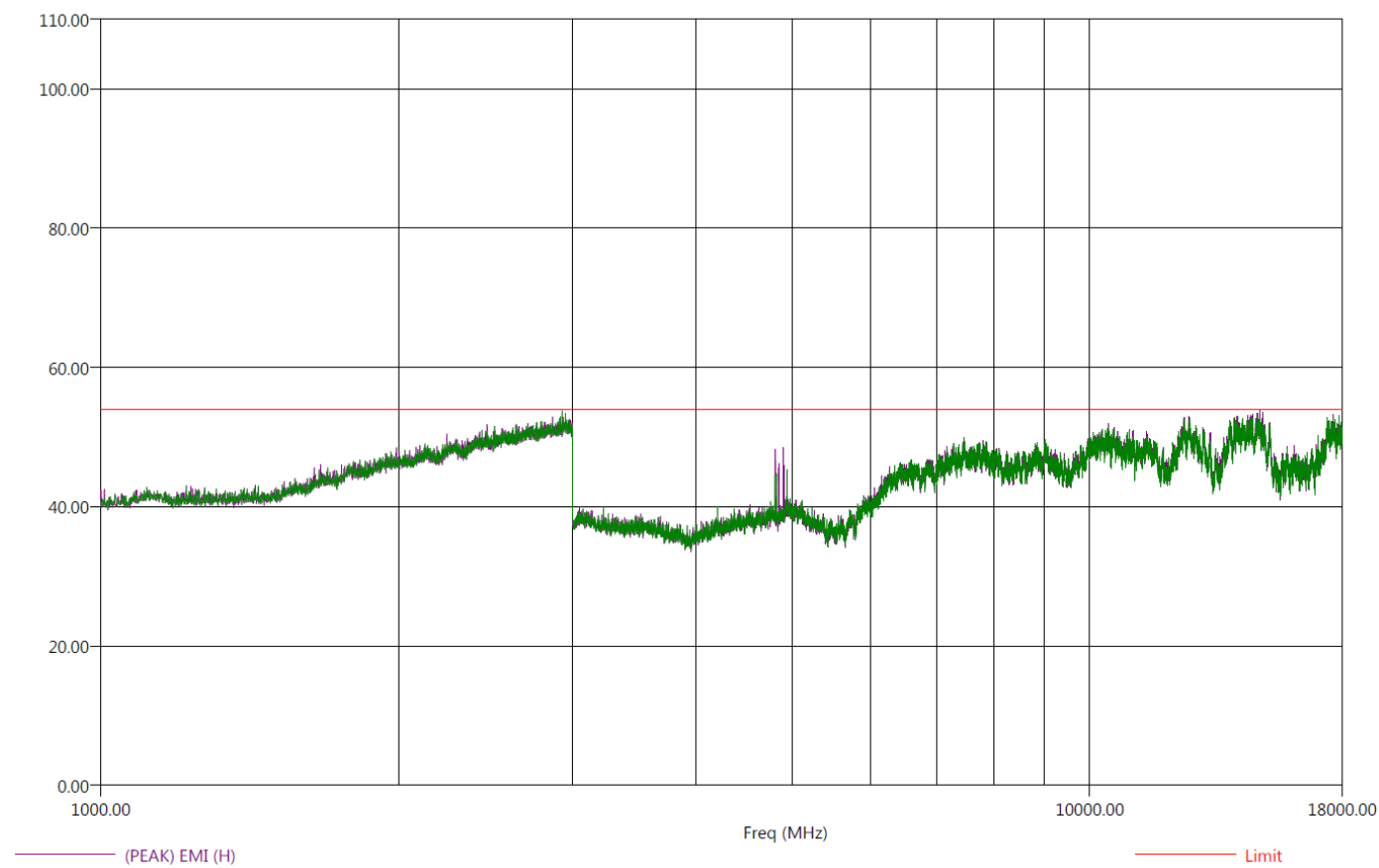
Hum: 56%

Battery Powered

10/5/2011 1:25:29 PM

Sequence: Preliminary Scan

Compatible Electronics, Inc. FAC-3 (LAB P)

Electric Field Strength (dB μ V/m)

No radiated emissions found between 18 - 25 GHz

(RX)

Title: FCC 15.209

File: Radiated Final 1-3GHz.set

Operator: Matt Harrison

EUT Type: Bluetooth Remote

EUT Condition: Paired with iPhone 4, Recording Video

Comments: Witness: Po-Wen

Temp: 65f

Hum: 56%

Battery Powered

10/5/2011 1:16:43 PM

Sequence: Final Measurements

Compatible Electronics, Inc. FAC-3 (LAB P)

Freq (MHz)	(AVG) Margin (dB)	(AVG) EMI (dBµV/m)	(PEAK) EMI (dBµV/m)	Limit (dBµV/m)	Pol	Ttbl Agl (deg)	Twr Ht (cm)	Transducer (dB)	Cable (dB)
2735.00	-14.53	39.45	52.14	53.98	V	12.25	157.41	30.14	7.05
2823.00	-14.01	39.97	52.43	53.98	H	135.25	292.88	30.33	7.13
12595.00	-13.35	40.63	53.33	53.98	H	139.00	364.11	42.00	19.68
14610.00	-20.94	33.04	45.65	53.98	H	0.00	162.88	42.00	19.86
14864.00	-18.73	35.25	47.89	53.98	H	183.00	144.64	42.00	20.43

No radiated emissions found between 18 - 25 GHz

FCC 15.247Belkin International, Inc.
Bluetooth Device

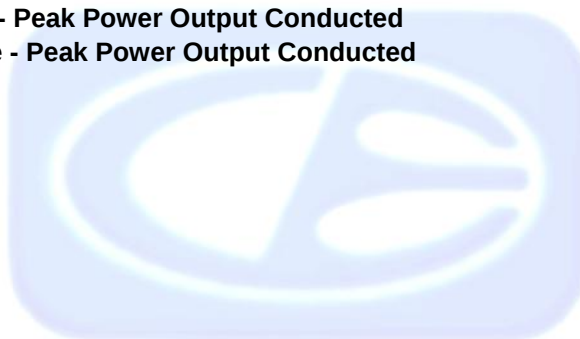
Model: Bluetooth Remote

Date: 10/04/2011

Lab: P

Tested By: Matt
Harrison**Channel Low - Tx Mode - Peak Power Output Conducted****Channel Mid - Tx Mode - Peak Power Output Conducted****Channel High - Tx Mode - Peak Power Output Conducted**

Freq (MHz)	PK Power (dBm)
2401	5.33
2441	5.44
2480	5.52



FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P
Tested By: Matt Harrison

Channel Low - Tx Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4802	58.38	V	74	-15.62	Peak	1.28	0	In Restricted Band
4802	45.20	V	54	-8.80	Avg	1.28	0	In Restricted Band
7203	46.14	V	74	-27.86	Peak	3.29	147	
7203	33.44	V	54	-20.56	Avg	3.29	147	
9604	46.41	V	74	-27.59	Peak	3.65	2	
9604	33.82	V	54	-20.18	Avg	3.65	2	
12005	42.08	V	74	-31.92	Peak	2.42	360	In Restricted Band
12005	29.03	V	54	-24.97	Avg	2.42	360	In Restricted Band
14406	49.62	V	74	-24.38	Peak	3.87	243	
14406	37.22	V	54	-16.78	Avg	3.87	243	
16807	44.32	V	74	-29.68	Peak	4	345	
16807	31.31	V	54	-22.69	Avg	4	345	
19208		V	74		Peak			No Emissions Found
19208		V	54		Avg			No Emissions Found
21609		V	74		Peak			No Emissions Found
21609		V	54		Avg			No Emissions Found
24010		V	74		Peak			No Emissions Found
24010		V	54		Avg			No Emissions Found

FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P

Tested By: Matt Harrison

Channel Low - Tx Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4802	59.46	H	74	-14.54	Peak	1.01	35	In Restricted Band
4802	47.32	H	54	-6.68	Avg	1.01	35	In Restricted Band
7203	45.48	H	74	-28.52	Peak	3.81	129	
7203	33.43	H	54	-20.57	Avg	3.81	129	
9604	46.61	H	74	-27.39	Peak	2.77	186	
9604	33.93	H	54	-20.07	Avg	2.77	186	
12005	44.41	H	74	-29.59	Peak	2.86	255	In Restricted Band
12005	30.75	H	54	-23.25	Avg	2.86	255	In Restricted Band
14406	50.58	H	74	-23.42	Peak	2.42	360	
14406	37.6	H	54	-16.4	Avg	2.42	360	
16807	45.95	H	74	-28.05	Peak	1.76	25.5	
16807	32.86	H	54	-21.14	Avg	1.76	25.5	
19208		H	74		Peak			No Emissions Found
19208		H	54		Avg			No Emissions Found
21609		H	74		Peak			No Emissions Found
21609		H	54		Avg			No Emissions Found
24010		H	74		Peak			No Emissions Found
24010		H	54		Avg			No Emissions Found

FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P

Tested By: Matt Harrison

Channel Mid - Tx Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4882	56.76	V	74	-17.24	Peak	1.07	237	In Restricted Band
4882	44.64	V	54	-9.36	Avg	1.07	237	In Restricted Band
7323	51.88	V	74	-22.12	Peak	1.71	148	In Restricted Band
7323	38.25	V	54	-15.75	Avg	1.71	148	In Restricted Band
9764	47.56	V	74	-26.44	Peak	3.27	356	
9764	35.04	V	54	-18.96	Avg	3.27	356	
12205	46.87	V	74	-27.13	Peak	2.42	67	In Restricted Band
12205	33.99	V	54	-20.01	Avg	2.42	67	In Restricted Band
14646	48.82	V	74	-25.18	Peak	2.23	356	
14646	36.53	V	54	-17.47	Avg	2.23	356	
17087	46.15	V	74	-27.85	Peak	2.86	360	
17087	33.28	V	54	-20.72	Avg	2.86	360	
19528		V	74		Peak			No Emissions Found
19528		V	54		Avg			No Emissions Found
21969		V	74		Peak			No Emissions Found
21969		V	54		Avg			No Emissions Found
24410		V	74		Peak			No Emissions Found
24410		V	54		Avg			No Emissions Found

FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P

Tested By: Matt Harrison

Channel Mid - Tx Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4882	57.36	V	74	-16.64	Peak	1.19	72	In Restricted Band
4882	44.6	V	54	-9.4	Avg	1.19	72	In Restricted Band
7323	51.76	V	74	-22.24	Peak	1	49	In Restricted Band
7323	38.19	V	54	-15.81	Avg	1	49	In Restricted Band
9764	46.82	V	74	-27.18	Peak	2.58	0	
9764	34.34	V	54	-19.66	Avg	2.58	0	
12205	46.96	V	74	-27.04	Peak	3.65	279	In Restricted Band
12205	34.17	V	54	-19.83	Avg	3.65	279	In Restricted Band
14646	49.6	H	74	-24.4	Peak	2.32	385	
14646	37.36	H	54	-16.64	Avg	2.32	385	
17087	47.11	V	74	-26.89	Peak	4	211	
17087	34.33	V	54	-19.67	Avg	4	211	
19528		H	74		Peak			No Emissions Found
19528		H	54		Avg			No Emissions Found
21969		H	74		Peak			No Emissions Found
21969		H	54		Avg			No Emissions Found
24410		H	74		Peak			No Emissions Found
24410		H	54		Avg			No Emissions Found

FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P

Tested By: Matt Harrison

Channel High - Tx Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	52.73	V	74	-21.27	Peak	1.2	0	In Restricted Band
4960	39.13	V	54	-14.87	Avg	1.2	0	In Restricted Band
7440	52.10	V	74	-21.9	Peak	1.76	123	In Restricted Band
7440	38.61	V	54	-15.39	Avg	1.76	123	In Restricted Band
9920	48.54	V	74	-25.46	Peak	3.92	0	
9920	36.20	V	54	-17.8	Avg	3.92	0	
12400	51.94	V	74	-22.06	Peak	1.73	295	In Restricted Band
12400	39.23	V	54	-14.77	Avg	1.73	295	In Restricted Band
14880	51.62	V	74	-22.38	Peak	2.88	360	
14880	39.20	V	54	-14.8	Avg	2.88	360	
17360	50.20	V	74	-23.8	Peak	3.26	297	
17360	37.76	V	54	-16.24	Avg	3.26	297	
19840		V	74		Peak			No Emissions Found
19840		V	54		Avg			No Emissions Found
22320		V	74		Peak			No Emissions Found
22320		V	54		Avg			No Emissions Found
24800		V	74		Peak			No Emissions Found
24800		V	54		Avg			No Emissions Found

FCC 15.247

Belkin International, Inc.
Bluetooth
Device
Model: Bluetooth Remote

Date: 10/06/2011

Lab: P

Tested By: Matt Harrison

Channel High - Tx Mode

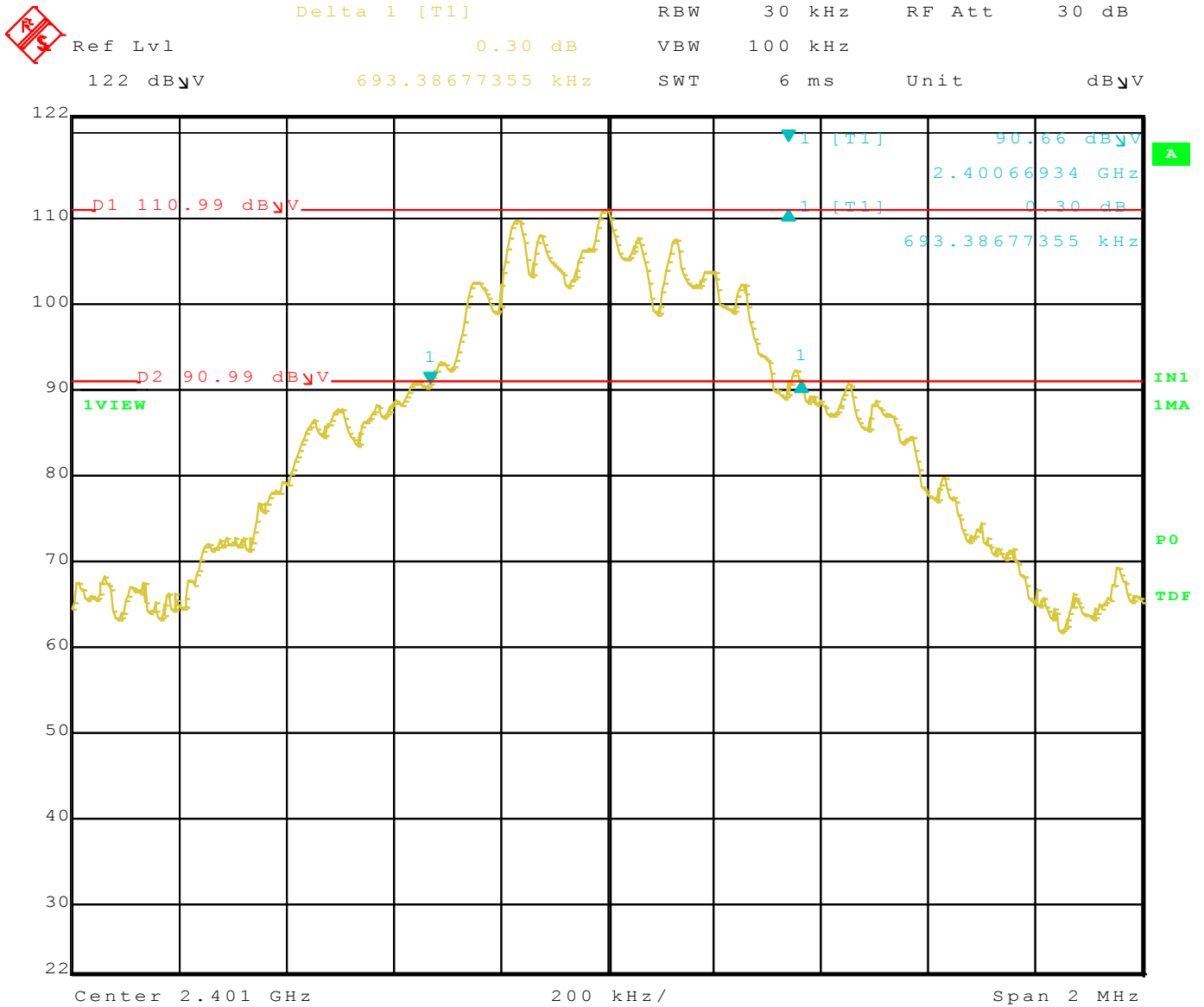
Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	57.41	H	74	-16.59	Peak	1.18	33	
4960	45.23	H	54	-8.77	Avg	1.18	33	
7440	49.78	H	74	-24.22	Peak	1.4	306	
7440	36.84	H	54	-17.16	Avg	1.4	306	
9920	49.26	H	74	-24.74	Peak	398	116	
9920	36.44	H	54	-17.56	Avg	398	116	
12400	51.28	H	74	-22.72	Peak	3.81	10	
12400	38.6	H	54	-15.4	Avg	3.81	10	
14880	51.94	H	74	-22.06	Peak	2.38	257	
14880	39.11	H	54	-14.89	Avg	2.38	257	
17360	50.85	H	74	-23.15	Peak	2.9	73	
17360	38.20	H	54	-15.8	Avg	2.9	73	
19840		H		-74	Peak			No Emissions Found
19840		H		-54	Avg			No Emissions Found
22320		H		-74	Peak			No Emissions Found
22320		H		-54	Avg			No Emissions Found
24800		H		-74	Peak			No Emissions Found
24800		H		-54	Avg			No Emissions Found



-20 dB BANDWIDTH

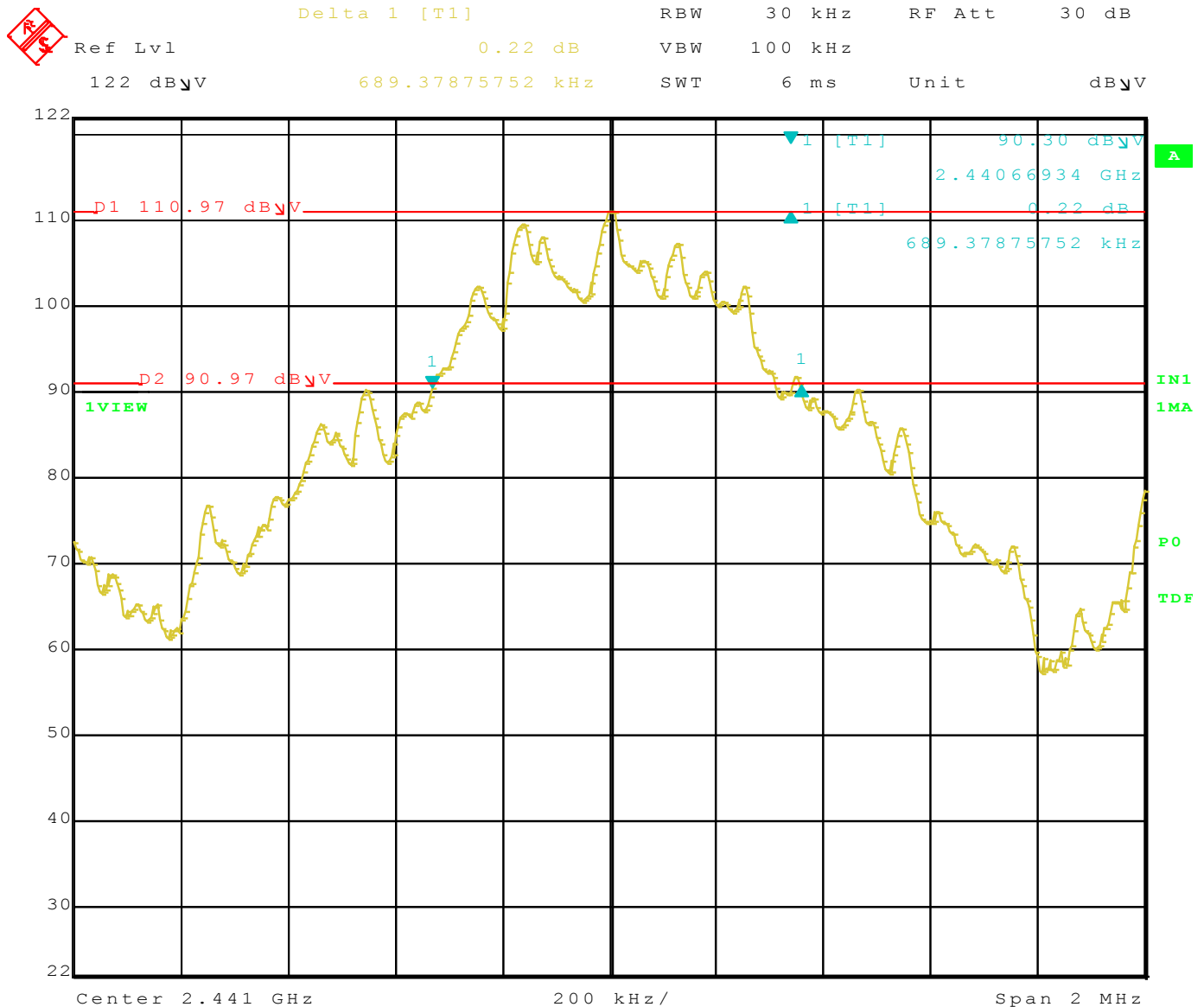
DATA SHEETS

Low Channel -20 dB Bandwidth



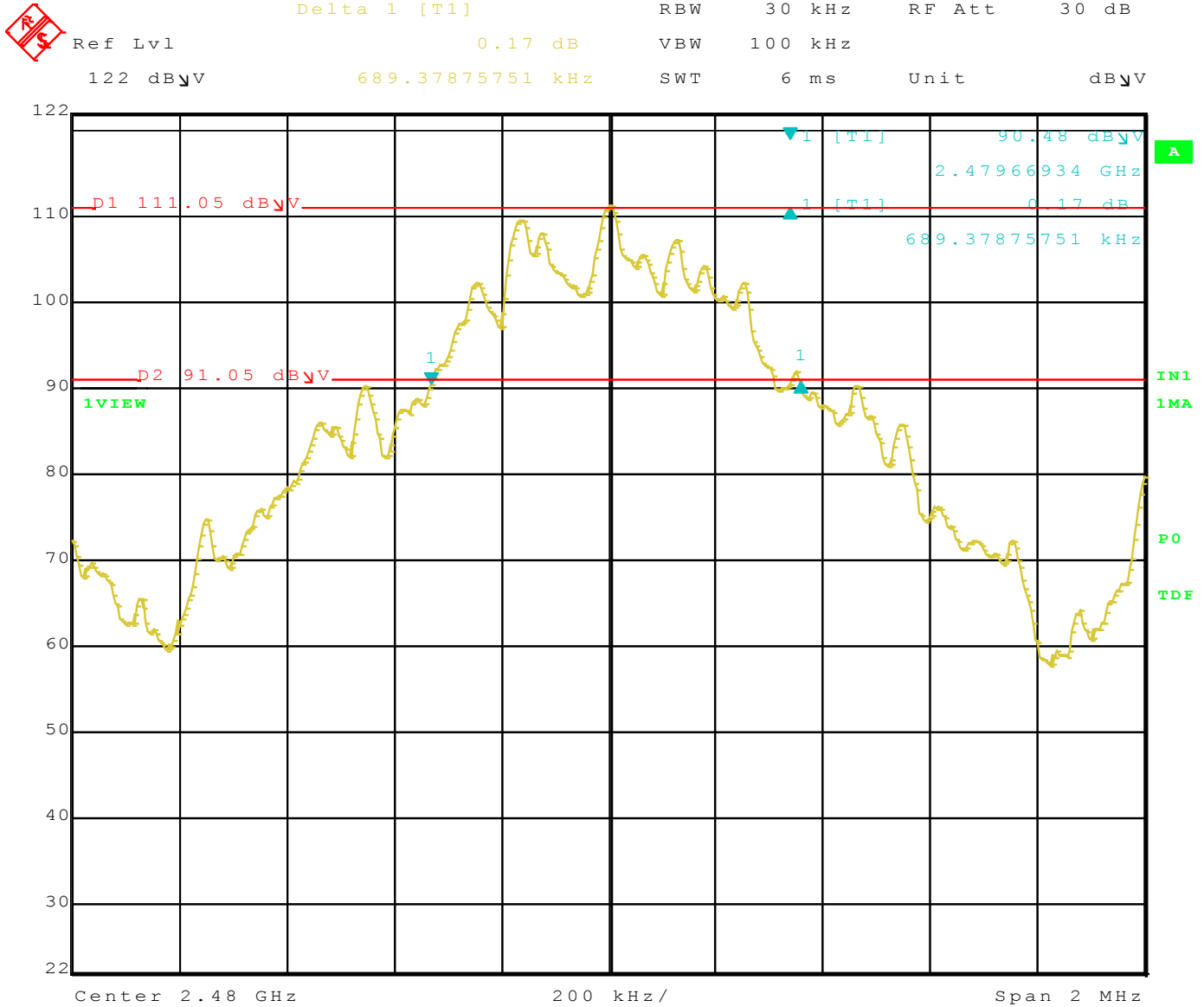
Title: Bluetooth Remote F8Z896
Comment A: 20dB Bandwidth Low Channel
Date: 6.OCT.2011 15:07:43

Middle Channel -20 dB Bandwidth



Title: Bluetooth Remote F8Z896
Comment A: 20dB Bandwidth Mid Channel
Date: 6.OCT.2011 15:08:53

High Channel -20 dB Bandwidth



Title: Bluetooth Remote F8Z896
 Comment A: 20dB Bandwidth High Channel
 Date: 6.OCT.2011 15:02:32

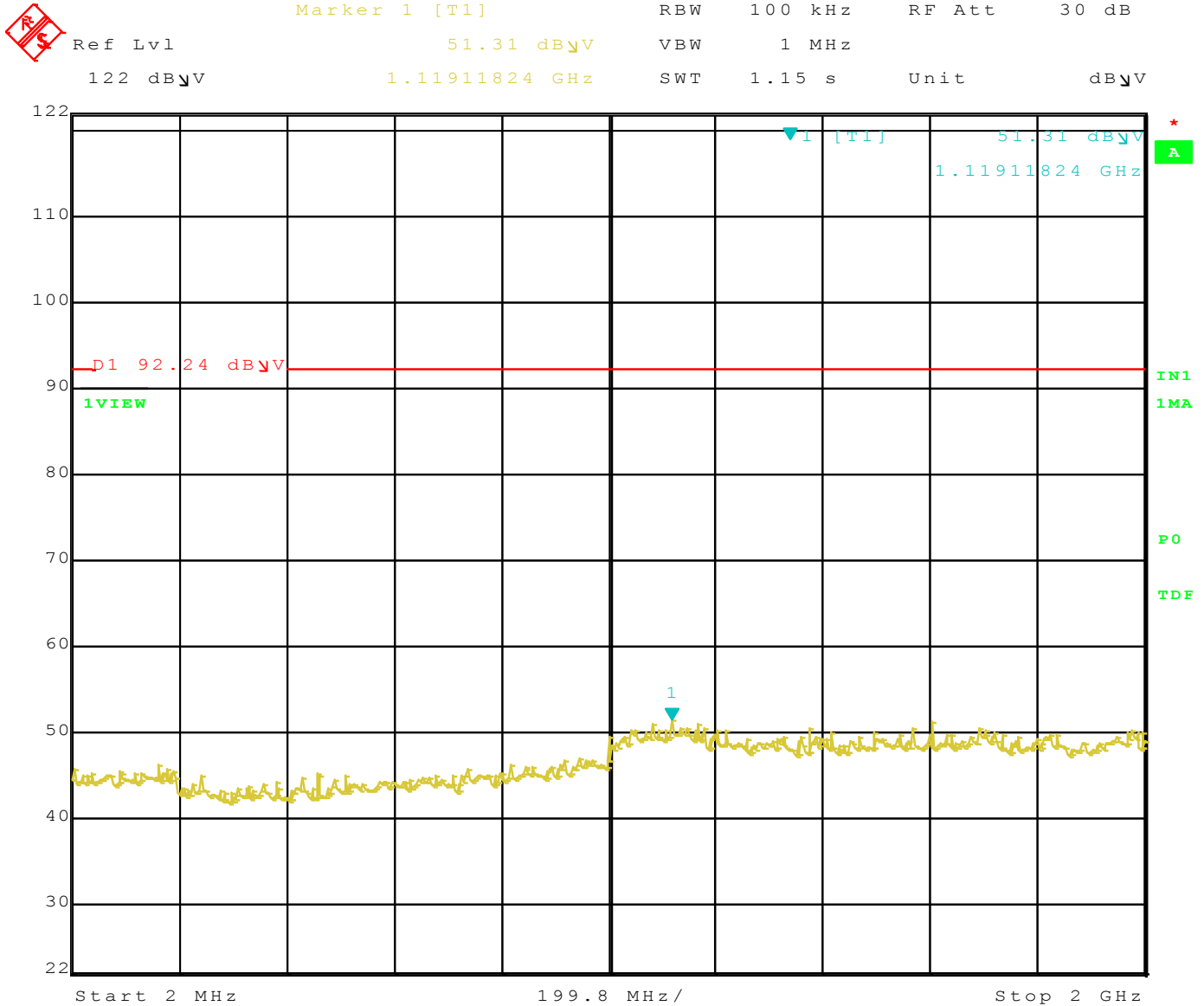


RF CONDUCTED ANTENNA TEST

DATA SHEETS

Low Channel RF Antenna Conducted

2 – 2000MHz

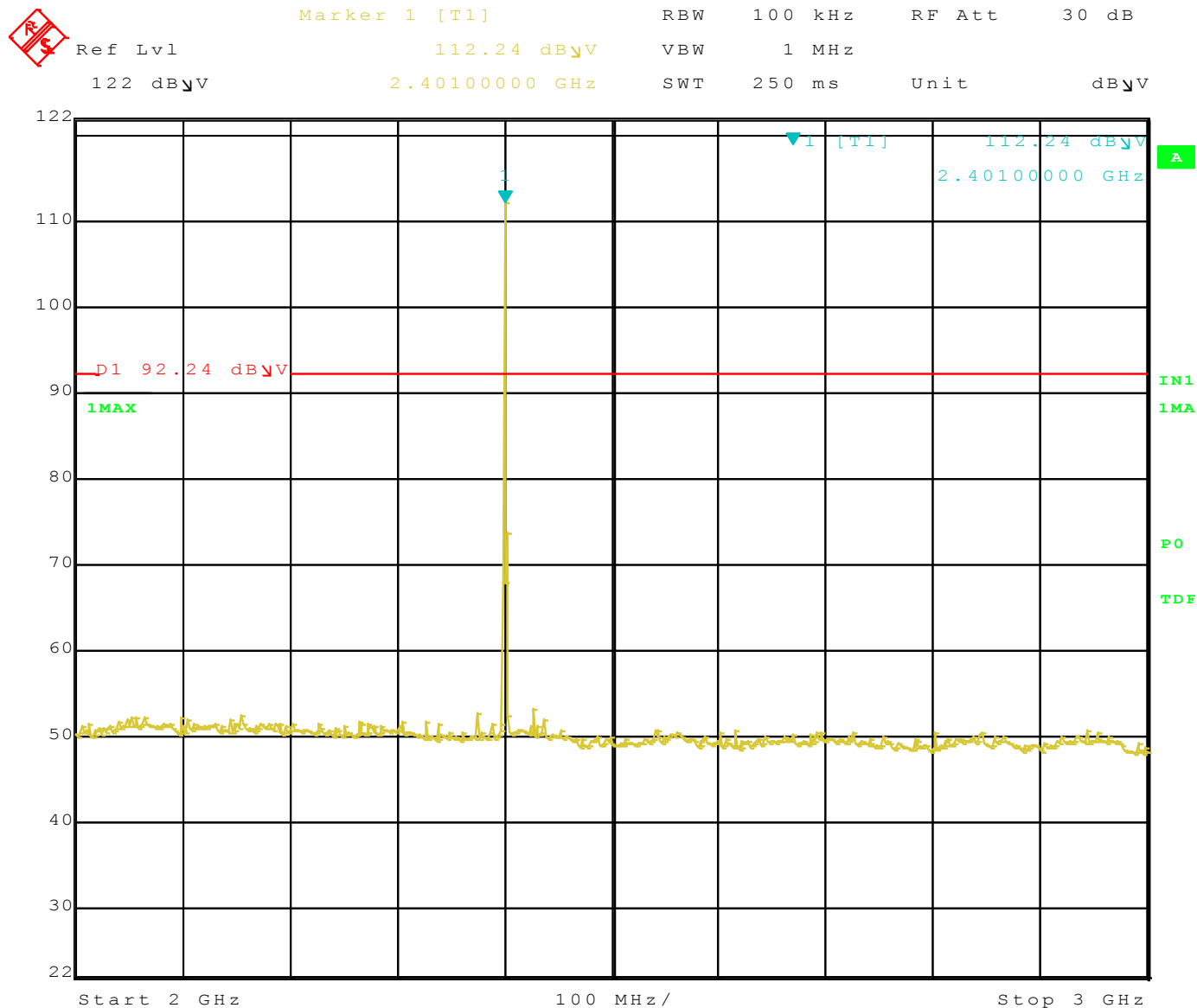


Title: Bluetooth Remote F8Z896

Comment A: Conducted Emissions at Antenna Terminals Low Channel

Date: 6.OCT.2011 15:14:57

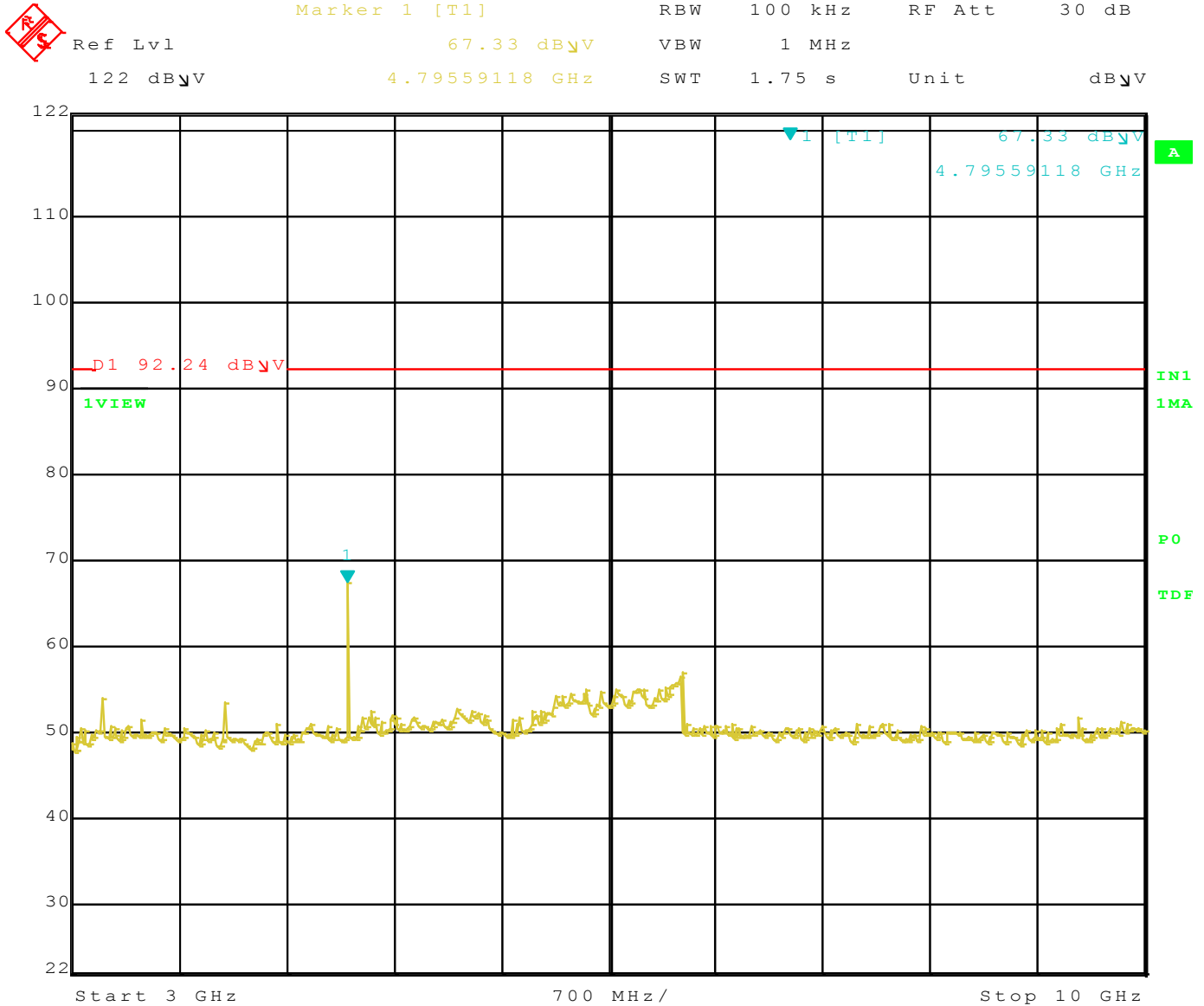
Low Channel RF Antenna Conducted 2 – 3 GHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals Low Channel
Date: 6.OCT.2011 15:12:54

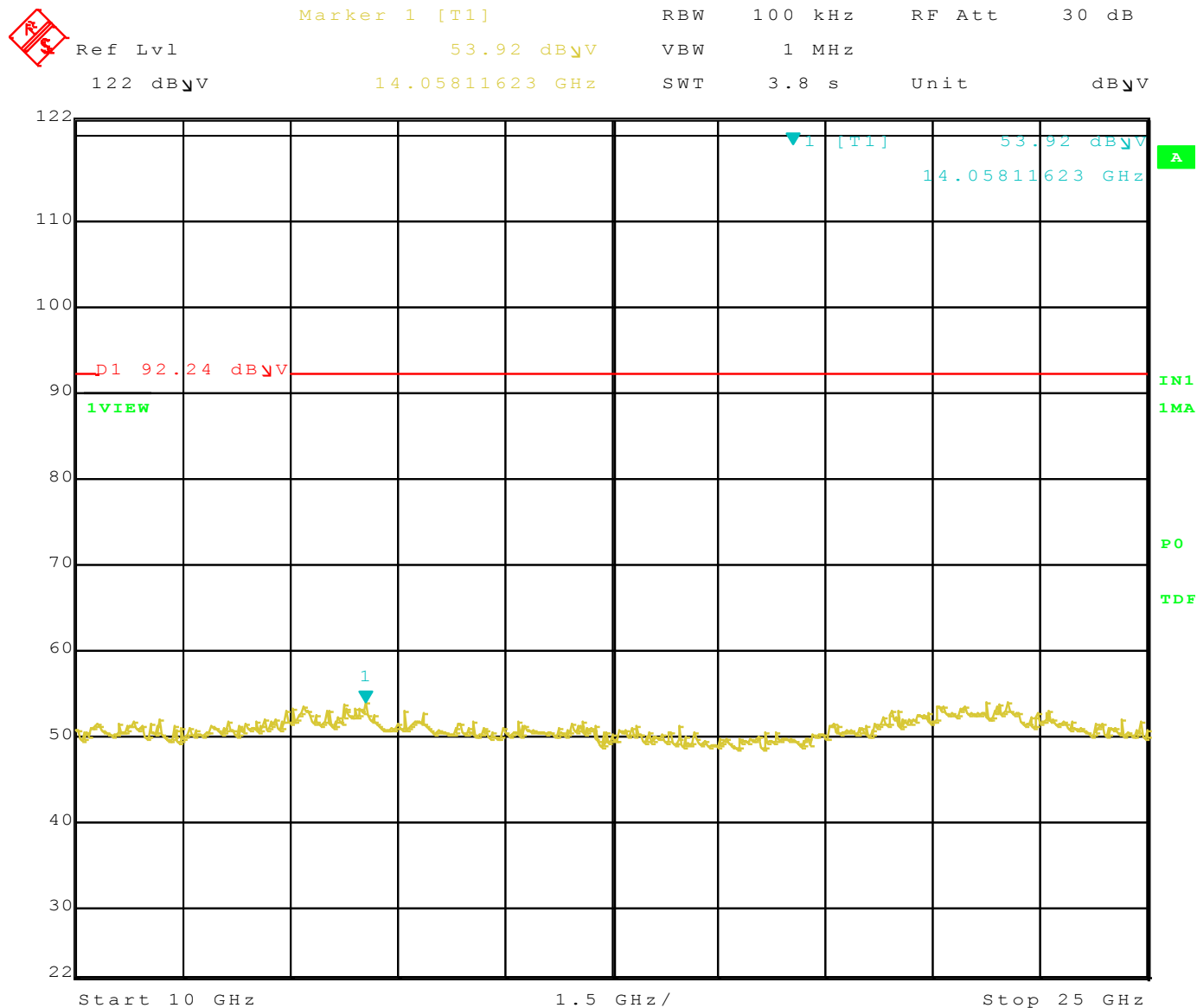
Low Channel RF Antenna Conducted

3 – 10 GHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals Low Channel
Date: 6.OCT.2011 15:15:31

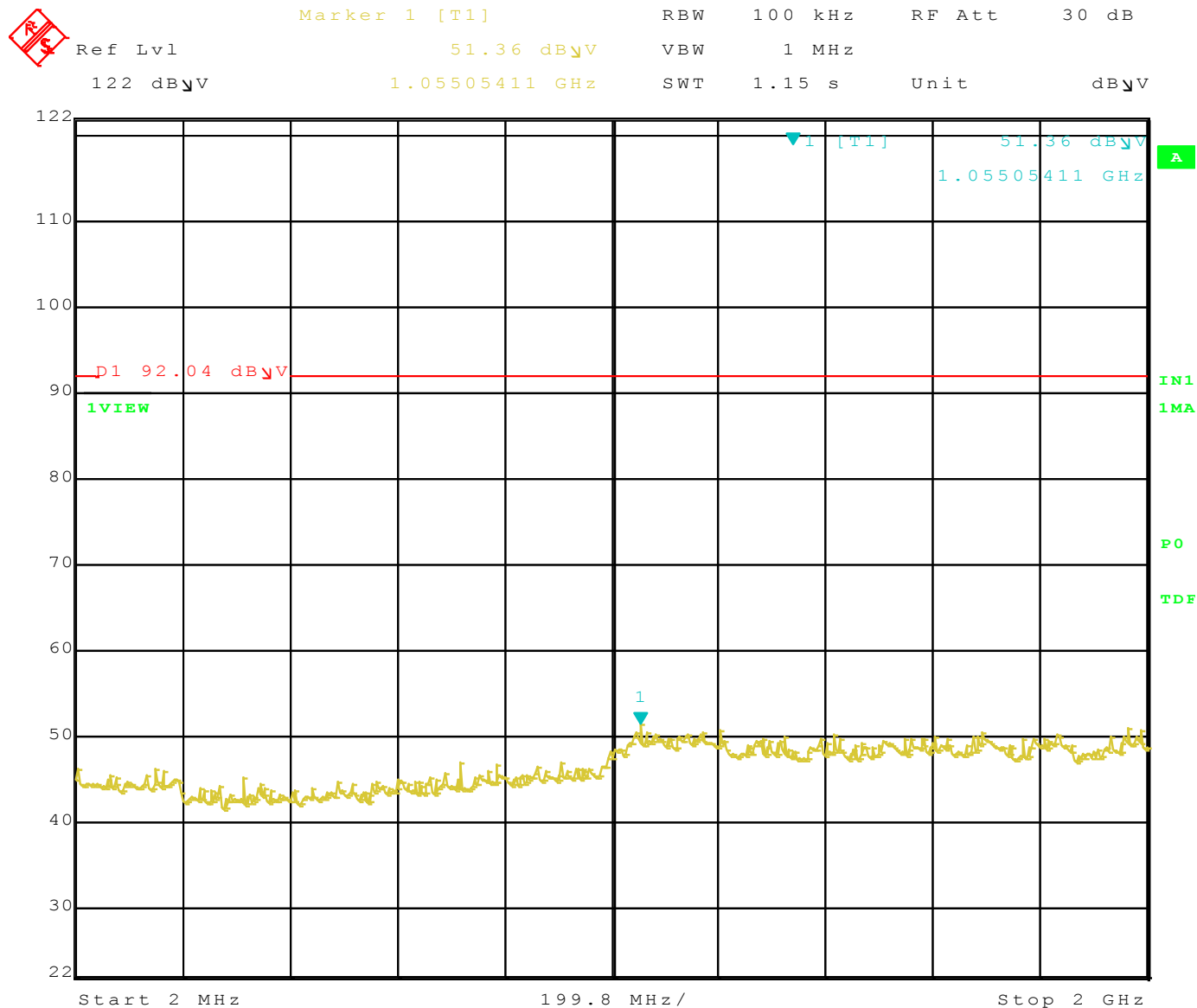
Low Channel RF Antenna Conducted 10 – 25GHz



Title: Bluetooth Remote F8Z896
 Comment A: Conducted Emissions at Antenna Terminals Low Channel
 Date: 6.OCT.2011 15:16:10

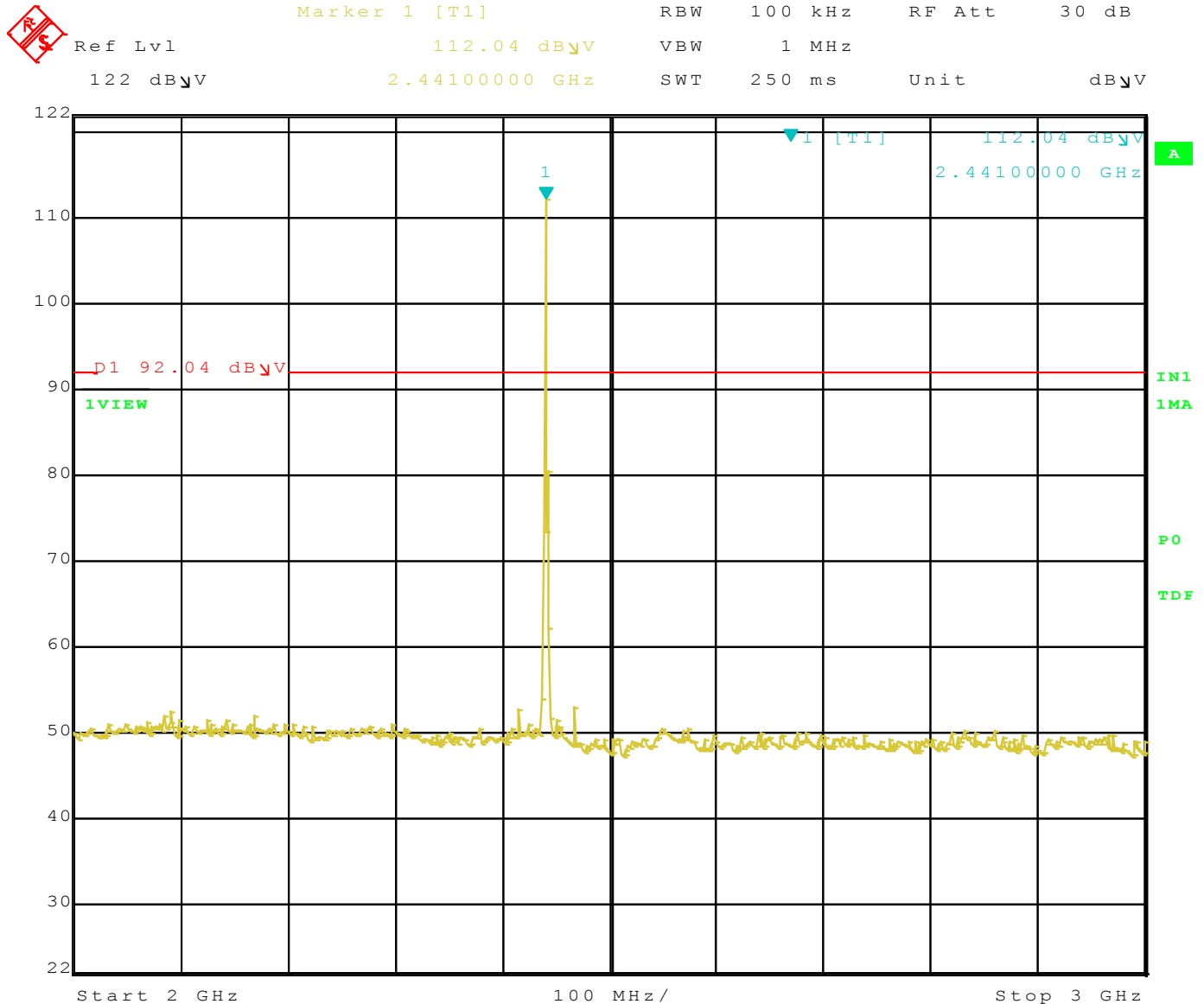
Middle Channel RF Antenna Conducted

2 – 2000MHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals Mid Channel
Date: 6.OCT.2011 15:19:52

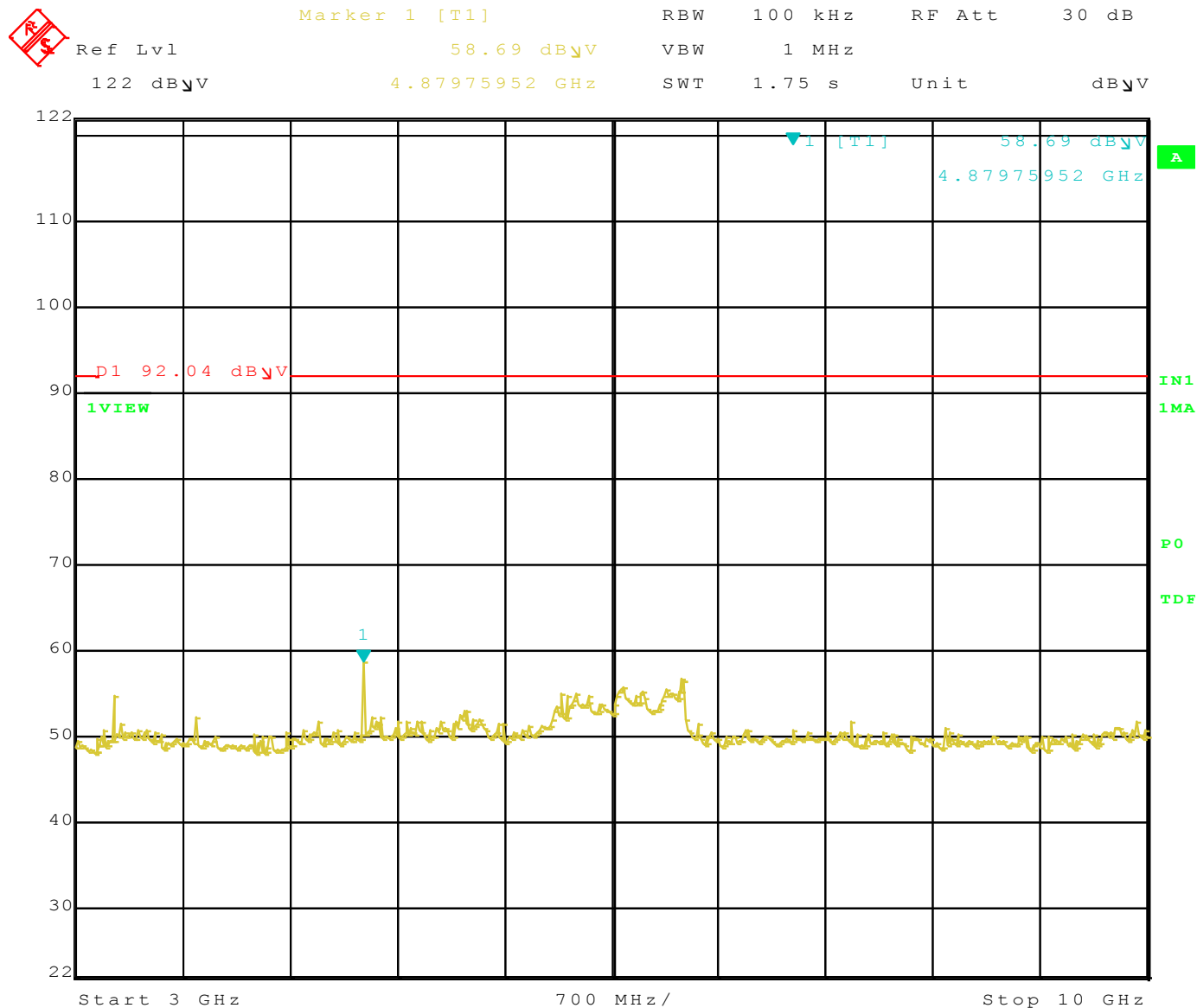
Middle Channel RF Antenna Conducted 2 – 3 GHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals Mid Channel
Date: 6.OCT.2011 15:19:11

Middle Channel RF Antenna Conducted

3 – 10 GHz

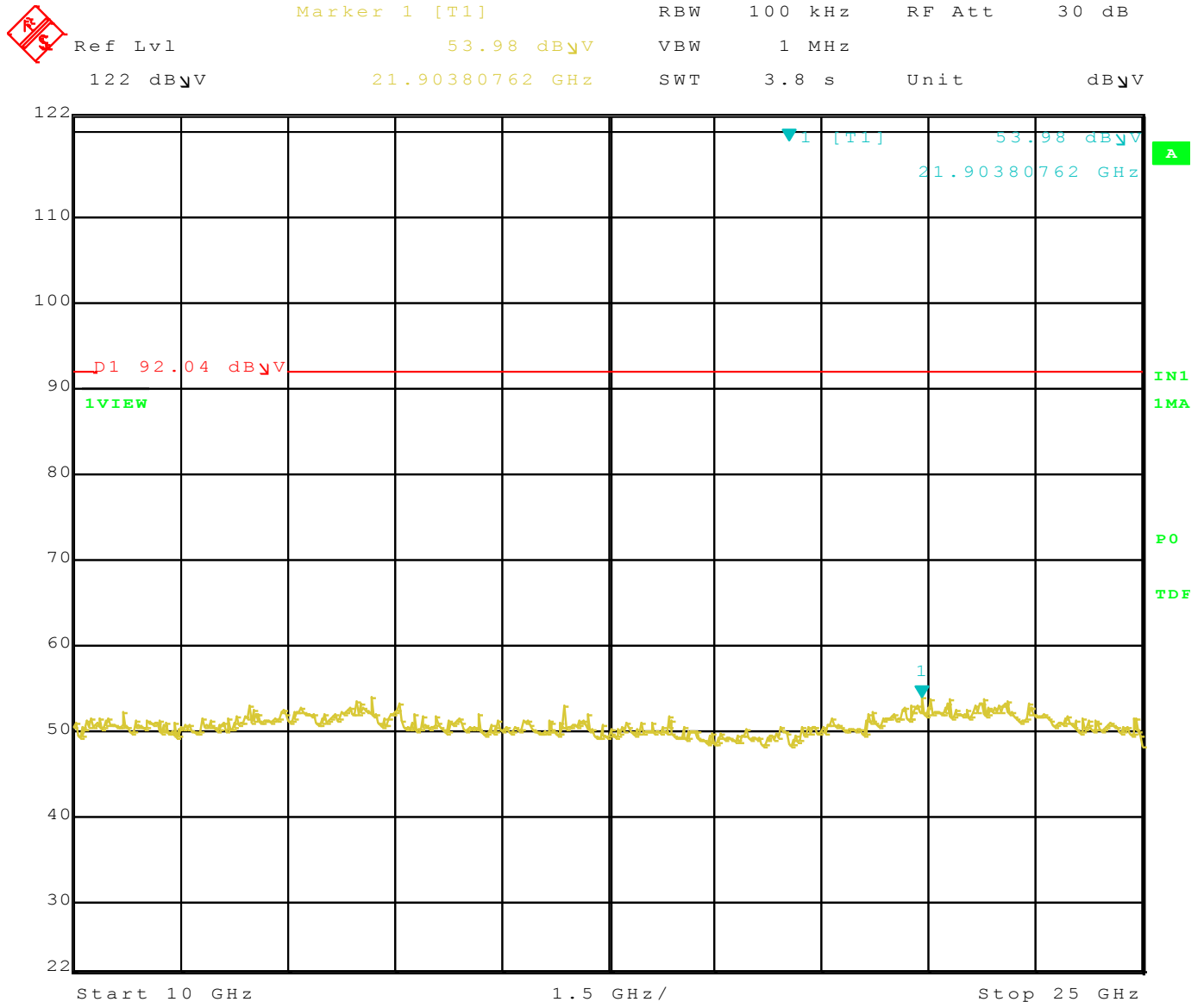


Title: Bluetooth Remote F8Z896

Comment A: Conducted Emissions at Antenna Terminals Mid Channel

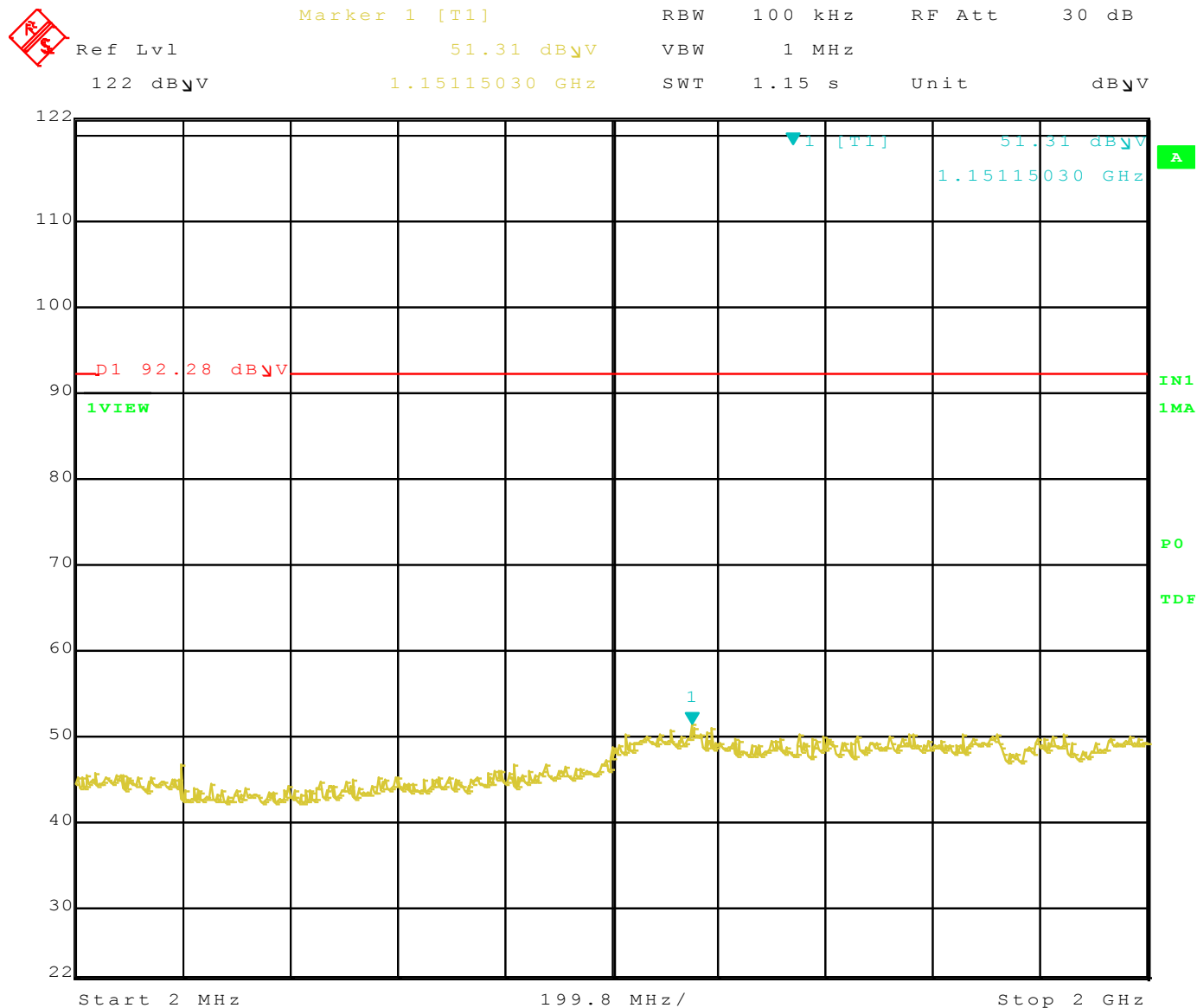
Date: 6.OCT.2011 15:20:24

Middle Channel RF Antenna Conducted 10 – 25GHz



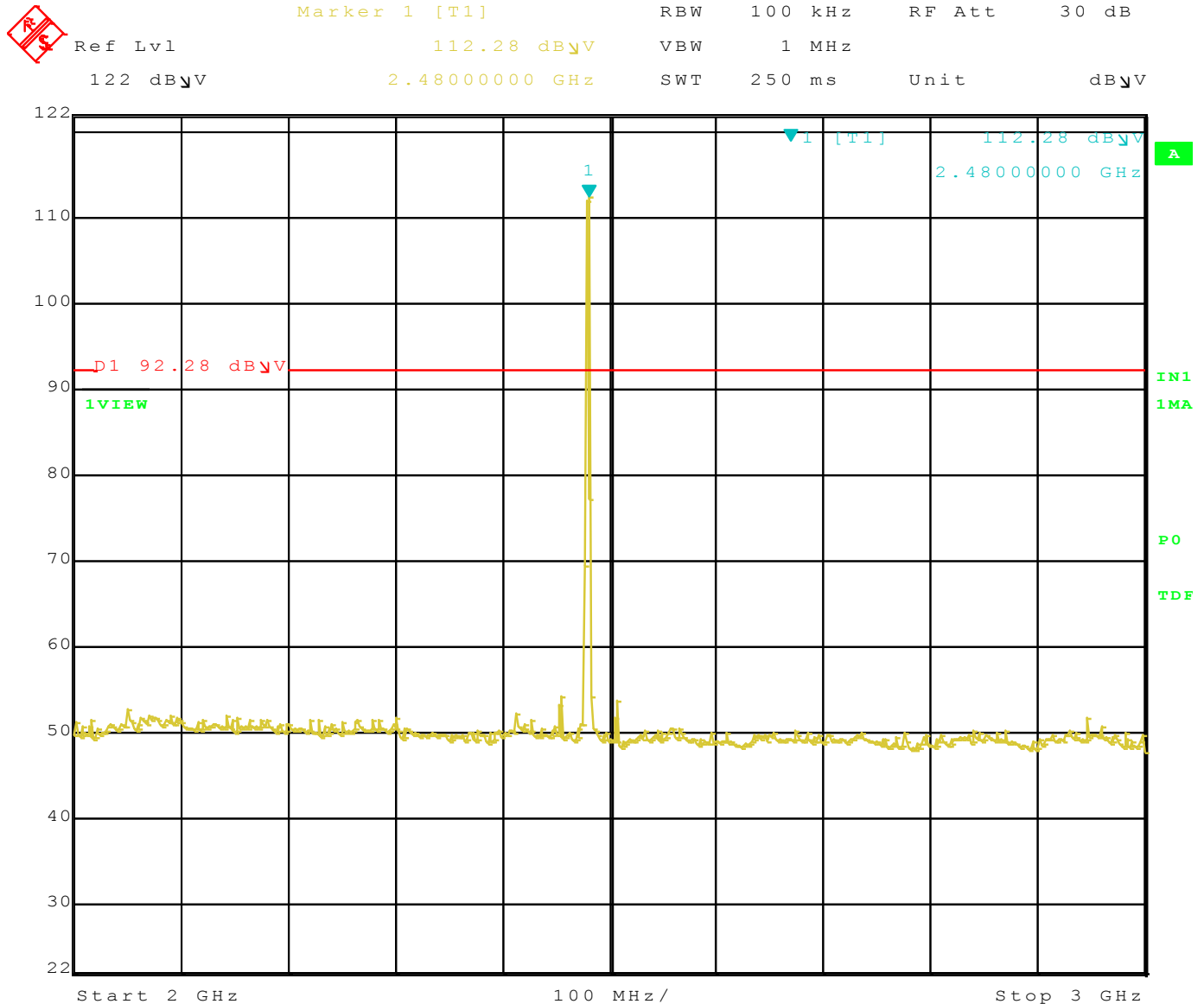
Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals Mid Channel
Date: 6.OCT.2011 15:20:58

High Channel RF Antenna Conducted 2 – 2000MHz



Title: Bluetooth Remote F8Z896
 Comment A: Conducted Emissions at Antenna Terminals High Channel
 Date: 6.OCT.2011 15:23:06

High Channel RF Antenna Conducted 2 – 3 GHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals High Channel
Date: 6.OCT.2011 15:22:26

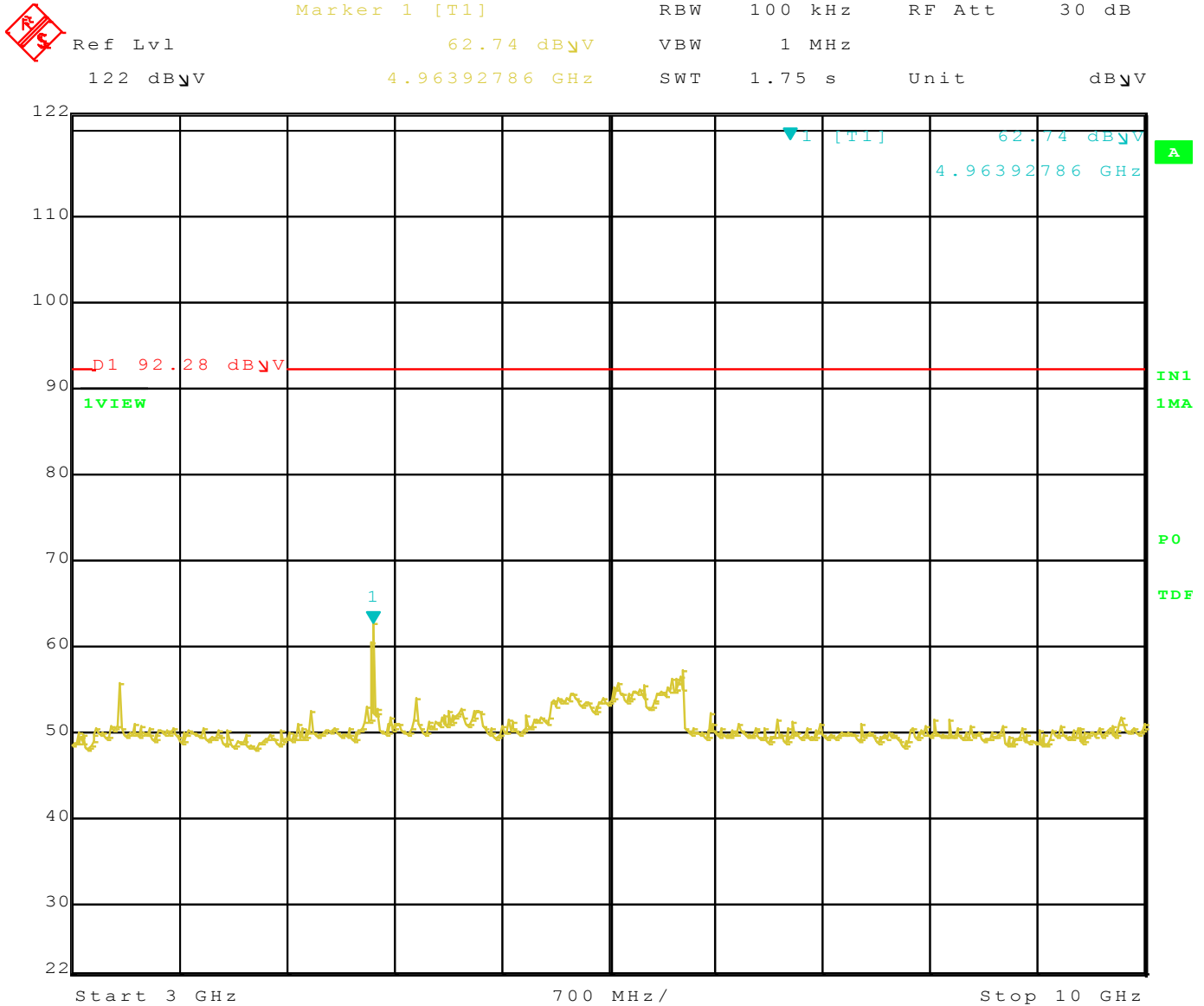
Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

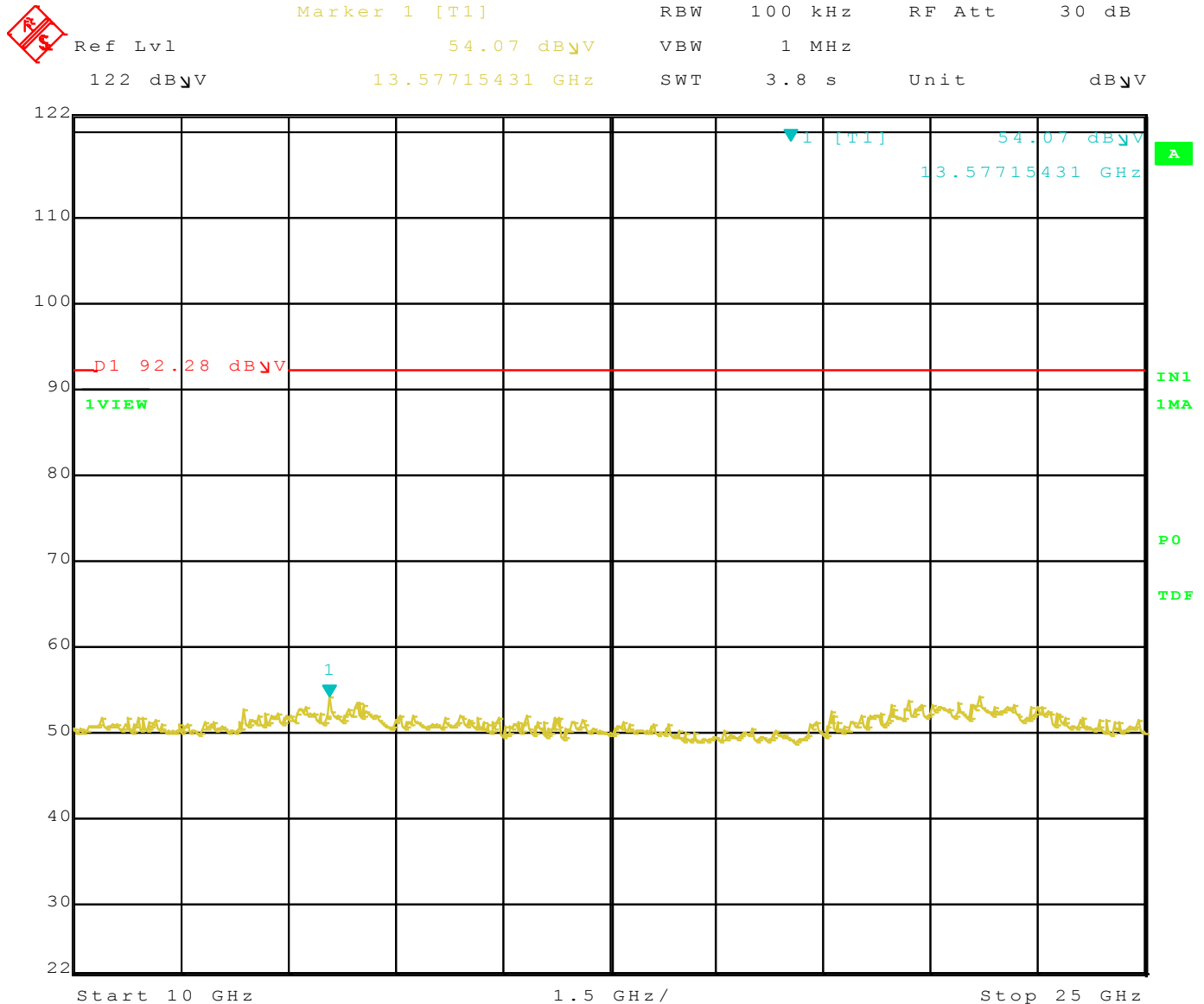
Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

High Channel RF Antenna Conducted 3 – 10 GHz



Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals High Channel
Date: 6.OCT.2011 15:23:46

High Channel RF Antenna Conducted 10 – 25GHz



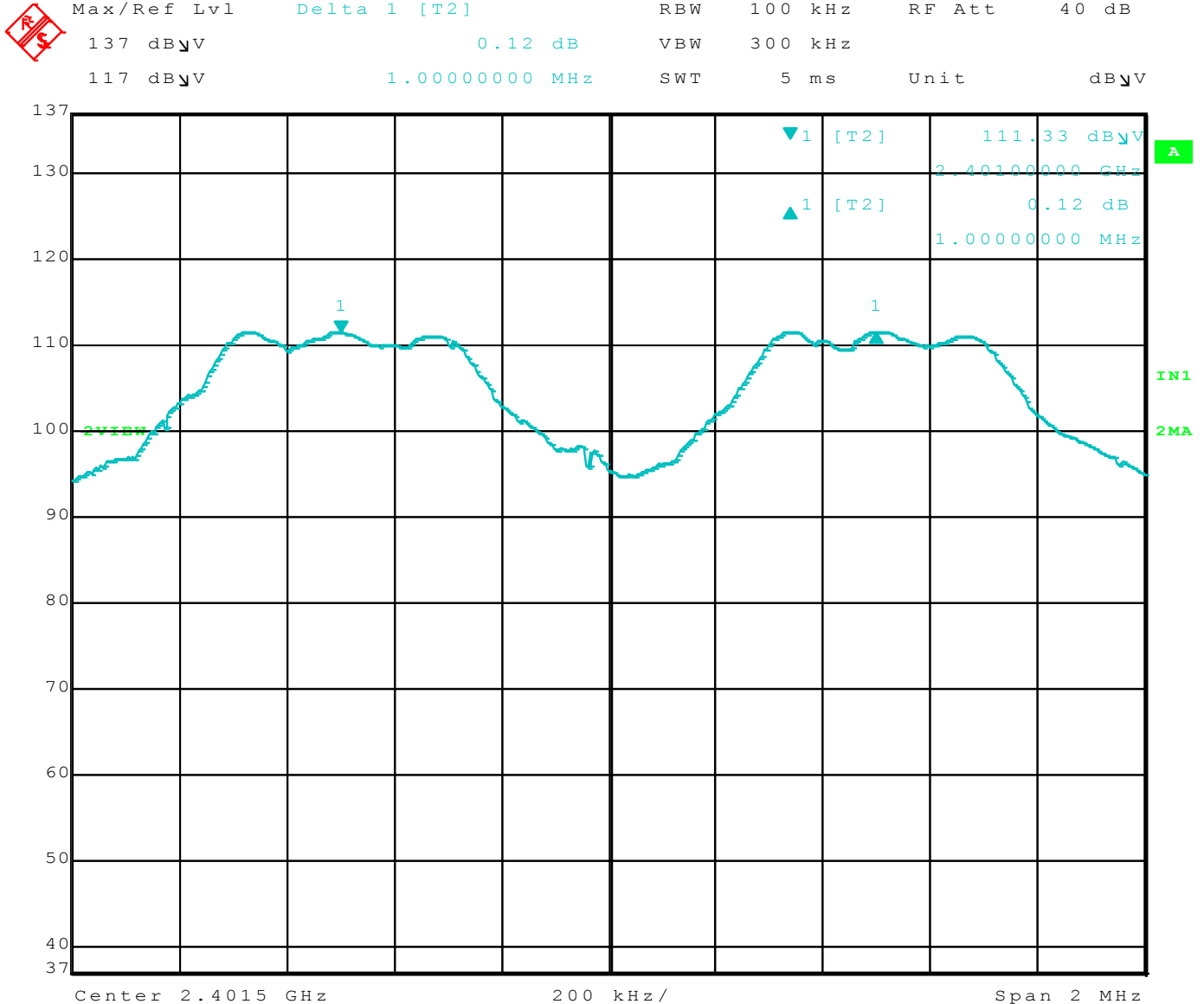
Title: Bluetooth Remote F8Z896
Comment A: Conducted Emissions at Antenna Terminals High Channel
Date: 6.OCT.2011 15:24:32



CHANNEL HOPPING SEPARATION

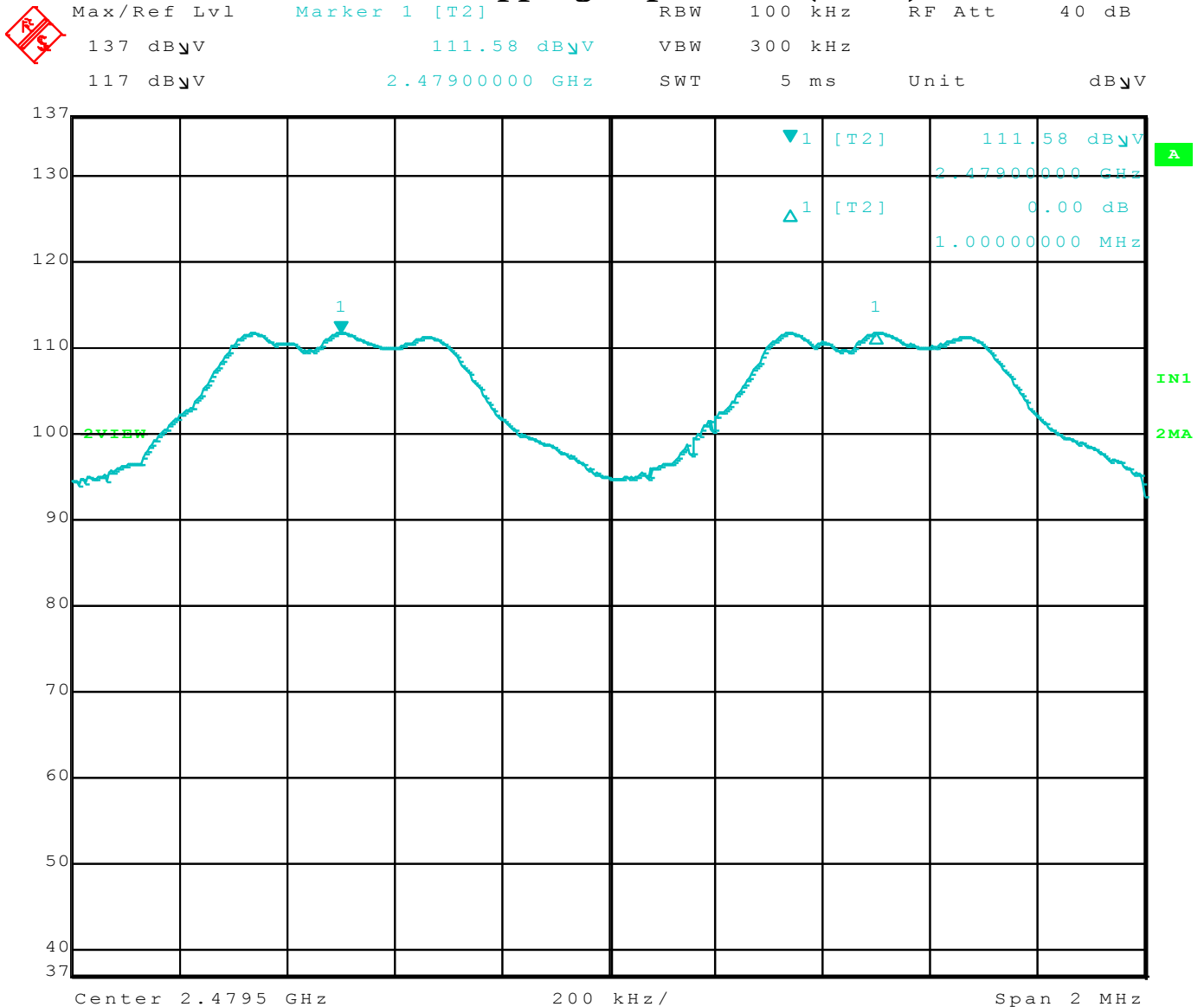
DATA SHEET

Channel Hopping Separation (LOW)



Title: F8Z896 Bluetooth Remote
Comment A: Channel Separation Low Channel
Date: 10.OCT.2011 16:06:22

Channel Hopping Separation (LOW)



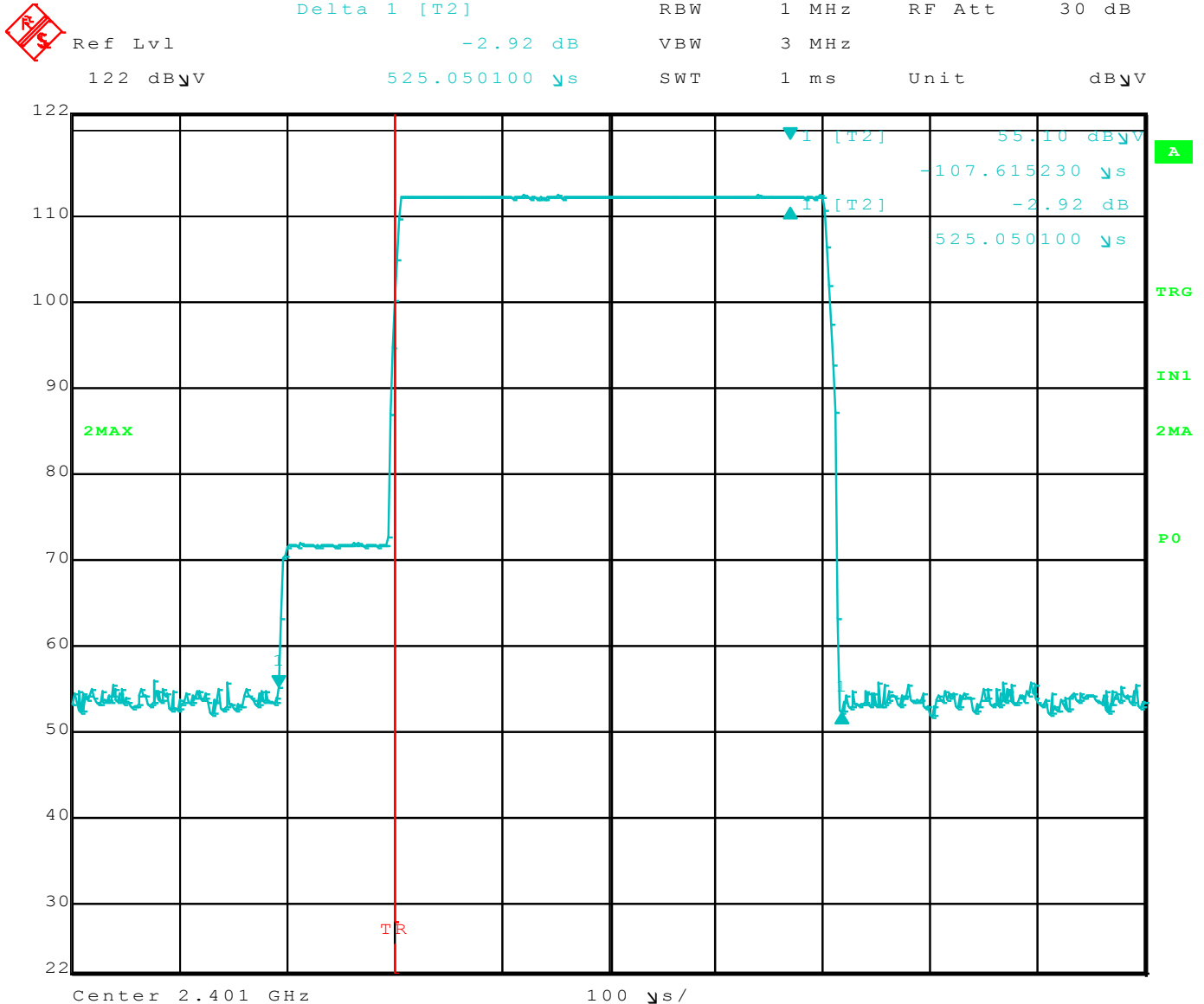
Title: F8Z896 Bluetooth Remote
Comment A: Channel Separation High Channel
Date: 10.OCT.2011 16:04:51



AVERAGE TIME OF OCCUPANCY

DATA SHEETS

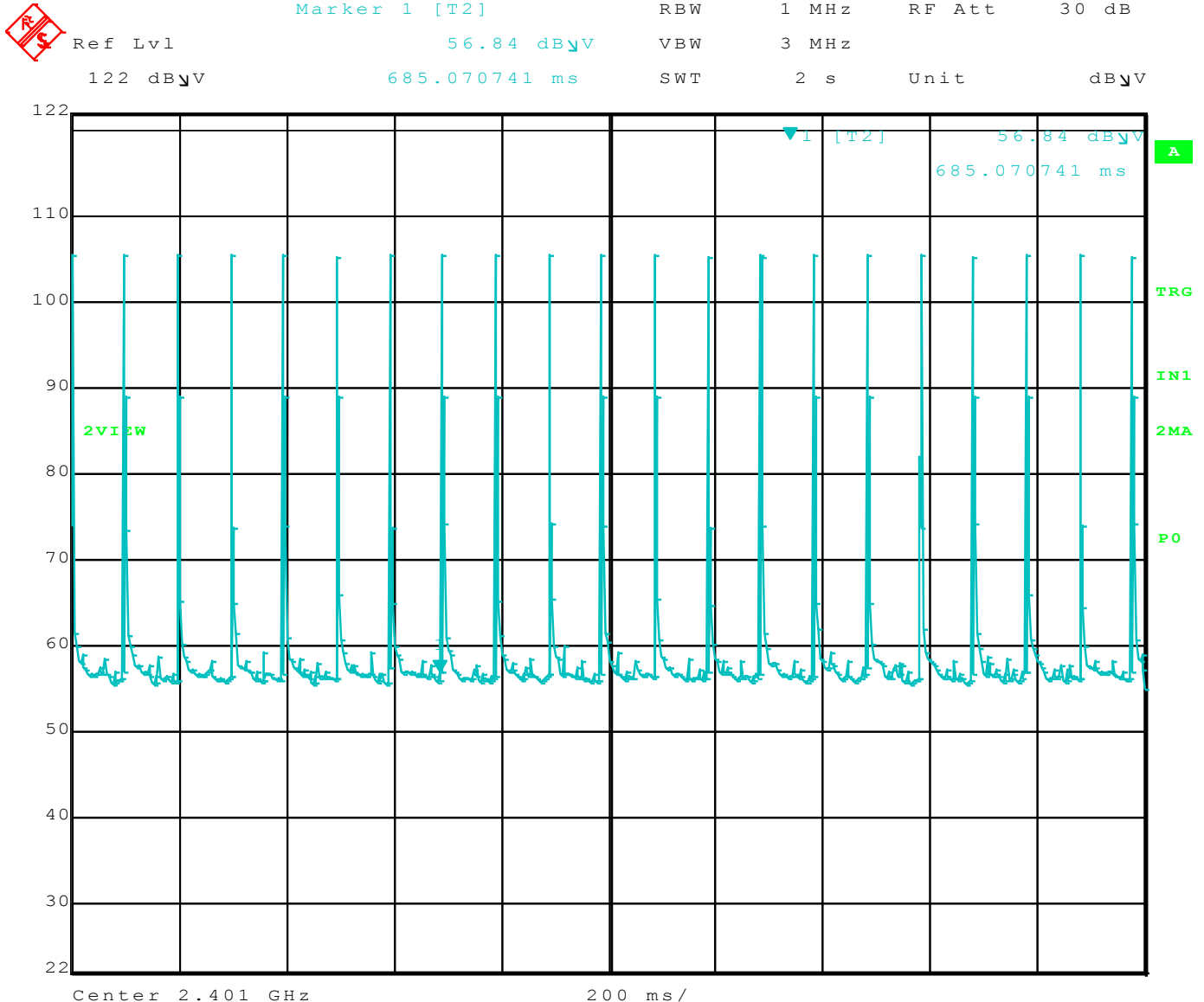
Average Time of Occupancy



Title: Bluetooth Remote F8Z896
Comment A: Duty Cycle
Date: 6.OCT.2011 17:44:17

Time of 1 Pulse = 525.050100 μs

Average Time of Occupancy



Title: Bluetooth Remote F8Z896
Comment A: Average Time of Occupancy
Date: 6.OCT.2011 17:26:53

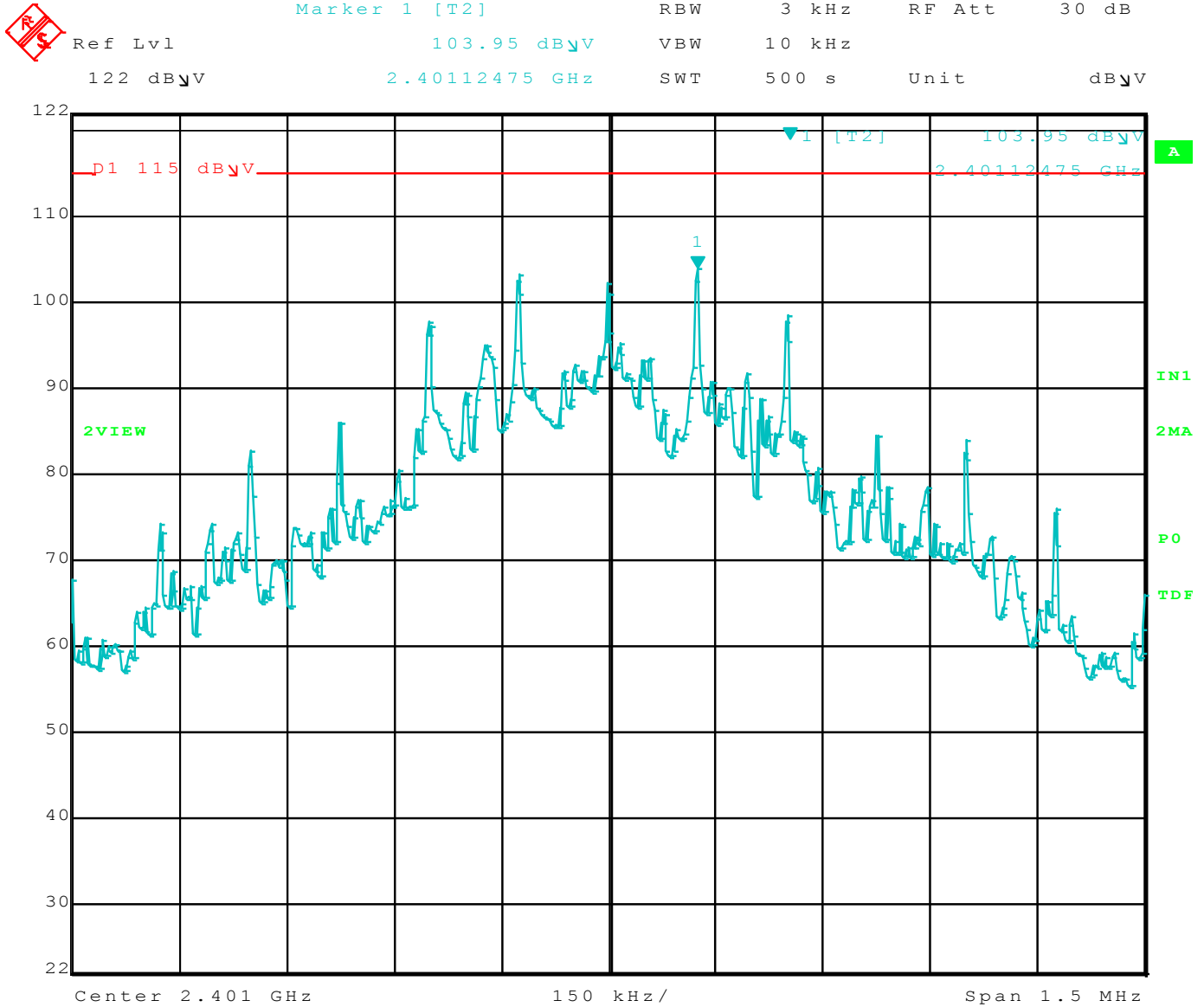
Number of Pulses in 2 Seconds = 21
Number of Pulses in 31.6 Seconds = 21*15.8 = 331.8 Pulses in a 31.6 Second Period
Time of Occupancy = 331.8*525.050100 uS = 174.21 mS per 31.6 Second Period
Limit = 400 mS per 31.6 Second Period (79 Channel * 400 mS)



SPECTRAL DENSITY OUTPUT

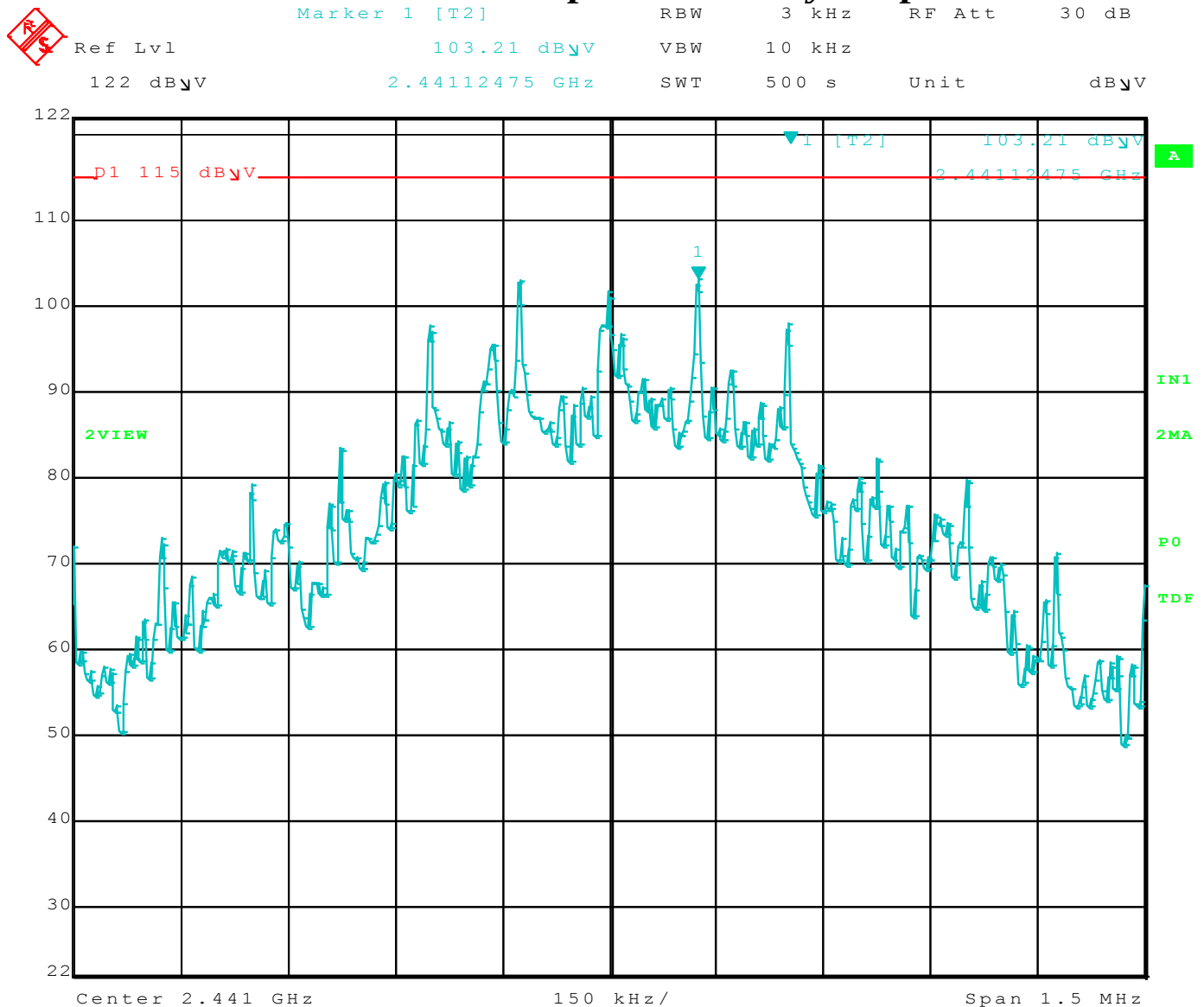
DATA SHEETS

Low Channel Spectral Density Output



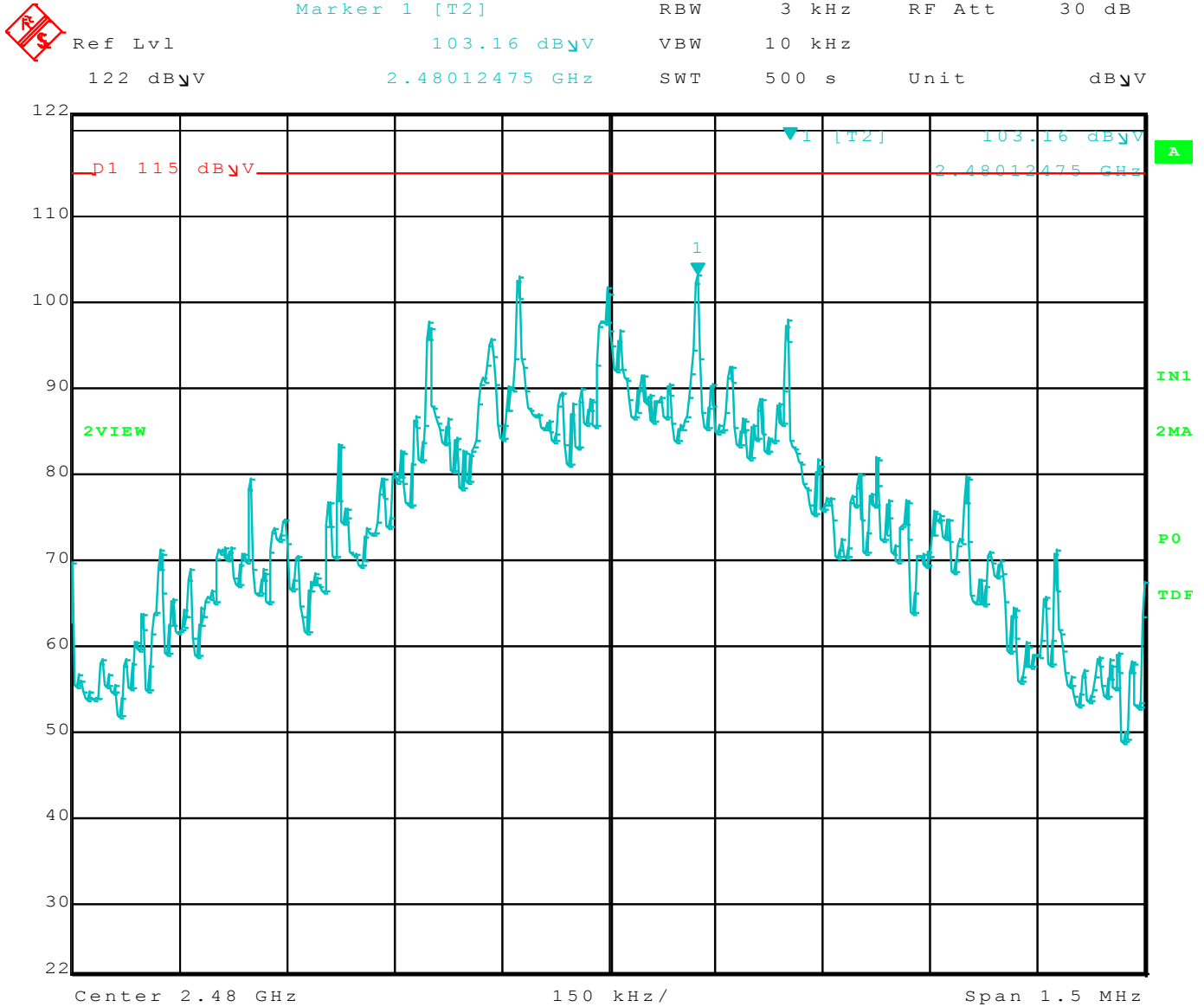
Title: Bluetooth Remote F8Z896
Comment A: Spectral Density Low Channel
Date: 6.OCT.2011 15:59:21

Middle Channel Spectral Density Output



Title: Bluetooth Remote F8Z896
 Comment A: Spectral Density Mid Channel
 Date: 6.OCT.2011 15:48:06

High Channel Spectral Density Output



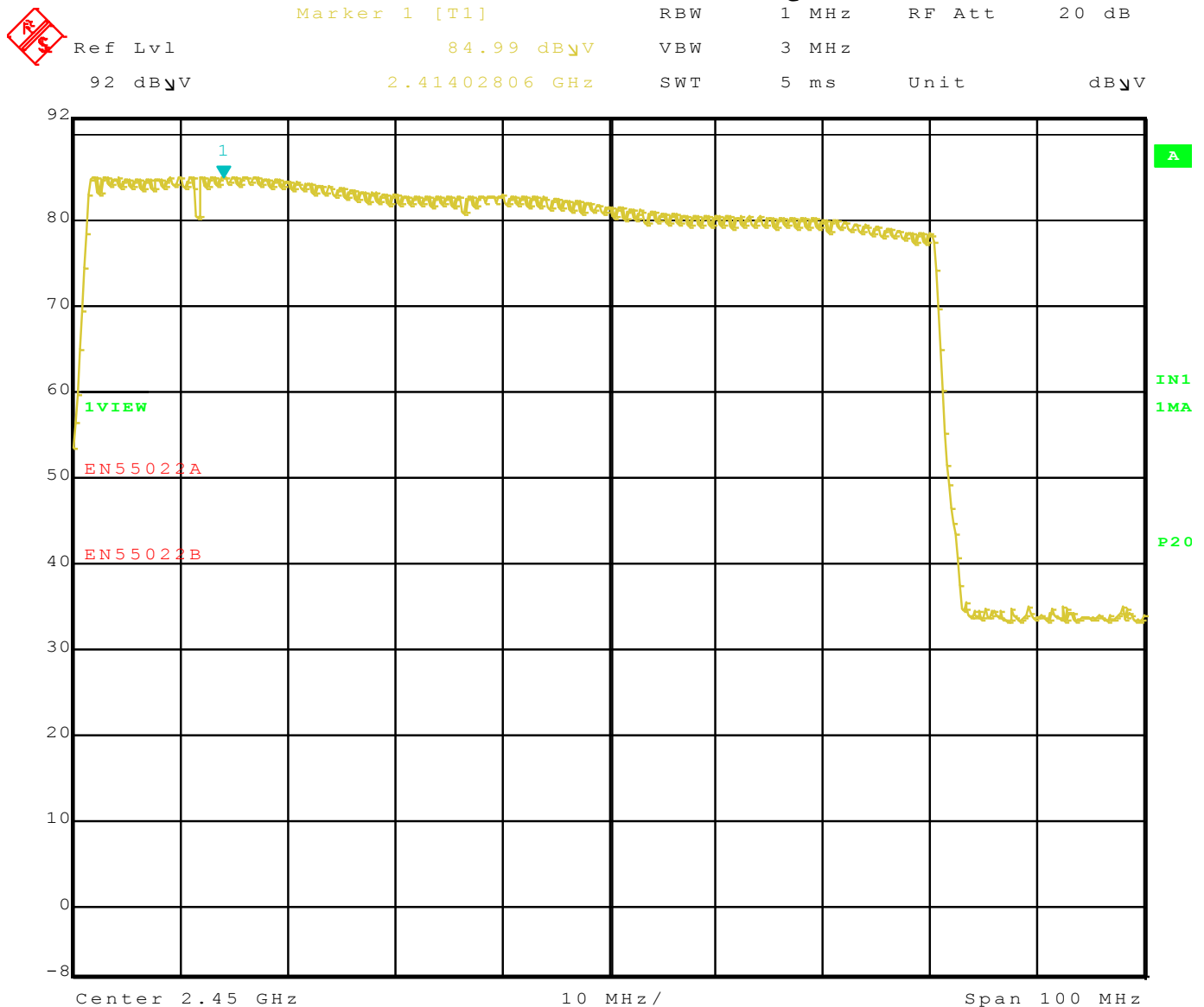
Title: Bluetooth Remote F8Z896
Comment A: Spectral Density High Channel
Date: 6.OCT.2011 15:36:41



NUMBER OF HOPPING FREQUENCIES

DATA SHEET

NUMBER OF HOPPING FREQUENCIES



Title: Bluetooth Remote
Comment A: Hopping Channels
Date: 5.OCT.2011 16:18:33

Total Number of Channels = 79

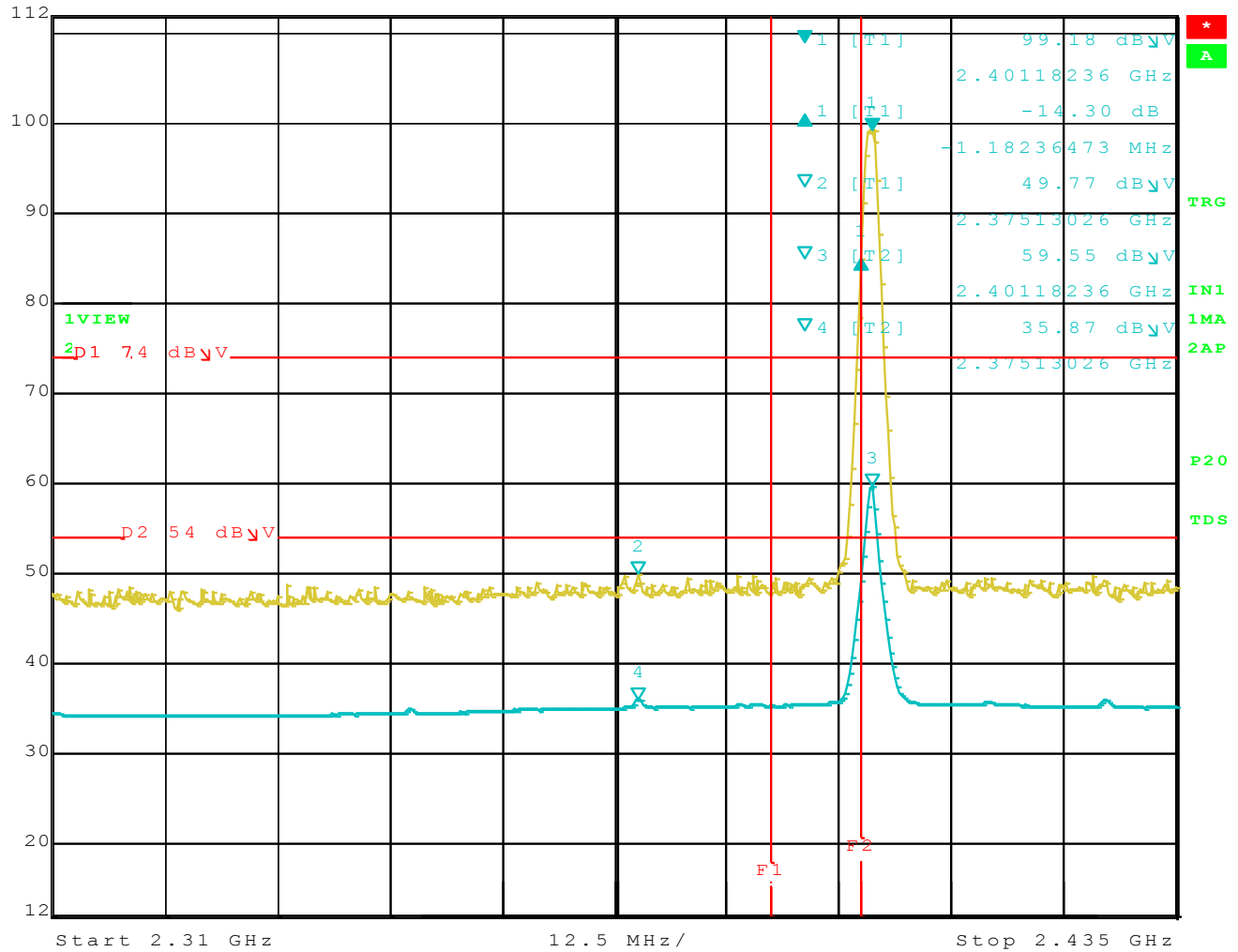


BAND EDGE

DATA SHEETS

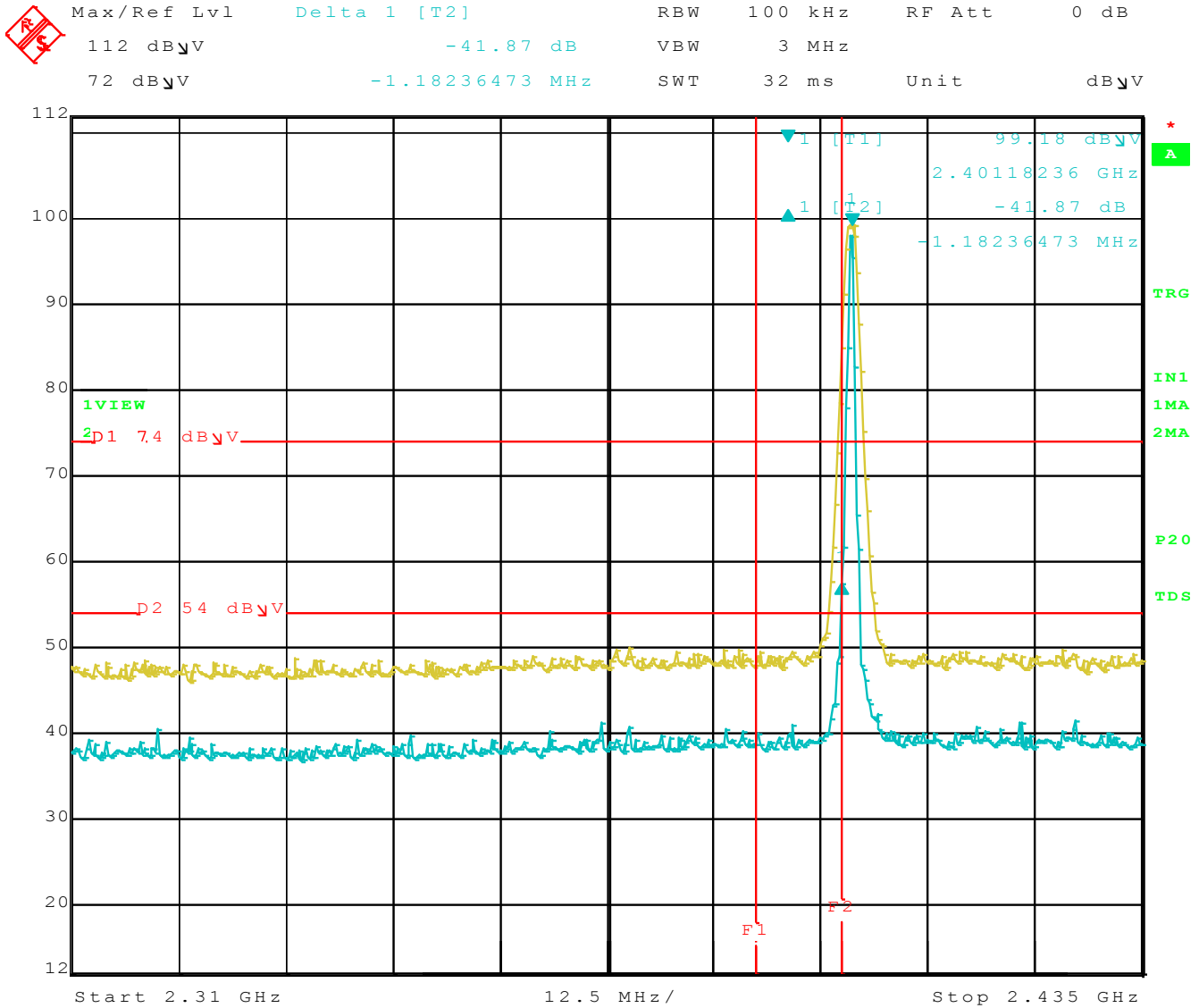
Low Channel Horizontal Band Edge


Max/Ref Lvl Delta 1 [T1] RBW 1 MHz RF Att 0 dB
112 dBμV -14.30 dB VBW 10 Hz
72 dBμV -1.18236473 MHz SWT 32 s Unit dBμV



Date: 3.NOV.2011 10:12:30

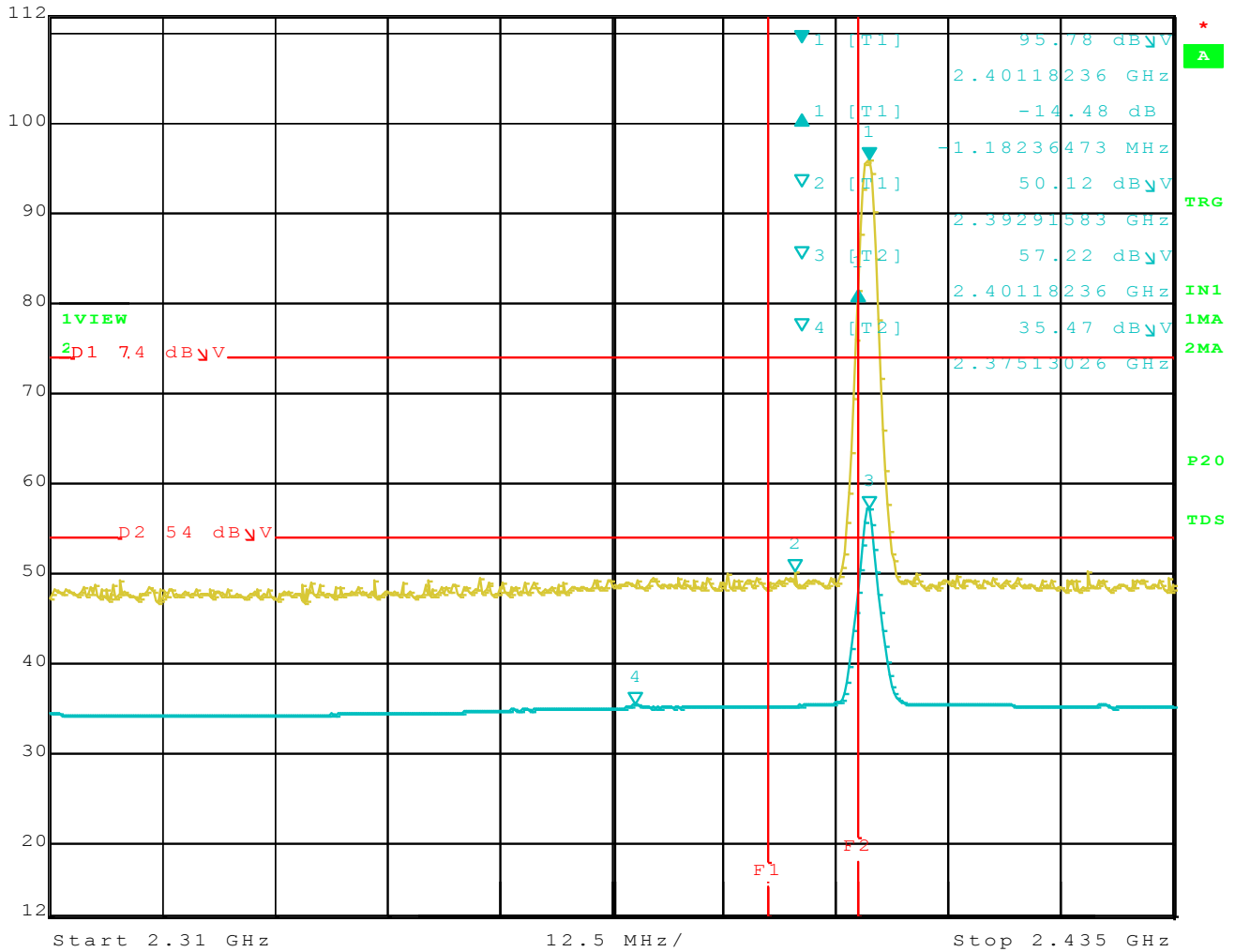
Low Channel Horizontal Marker Delta



Date: 3.NOV.2011 10:13:45

Low Channel Vertical Band Edge

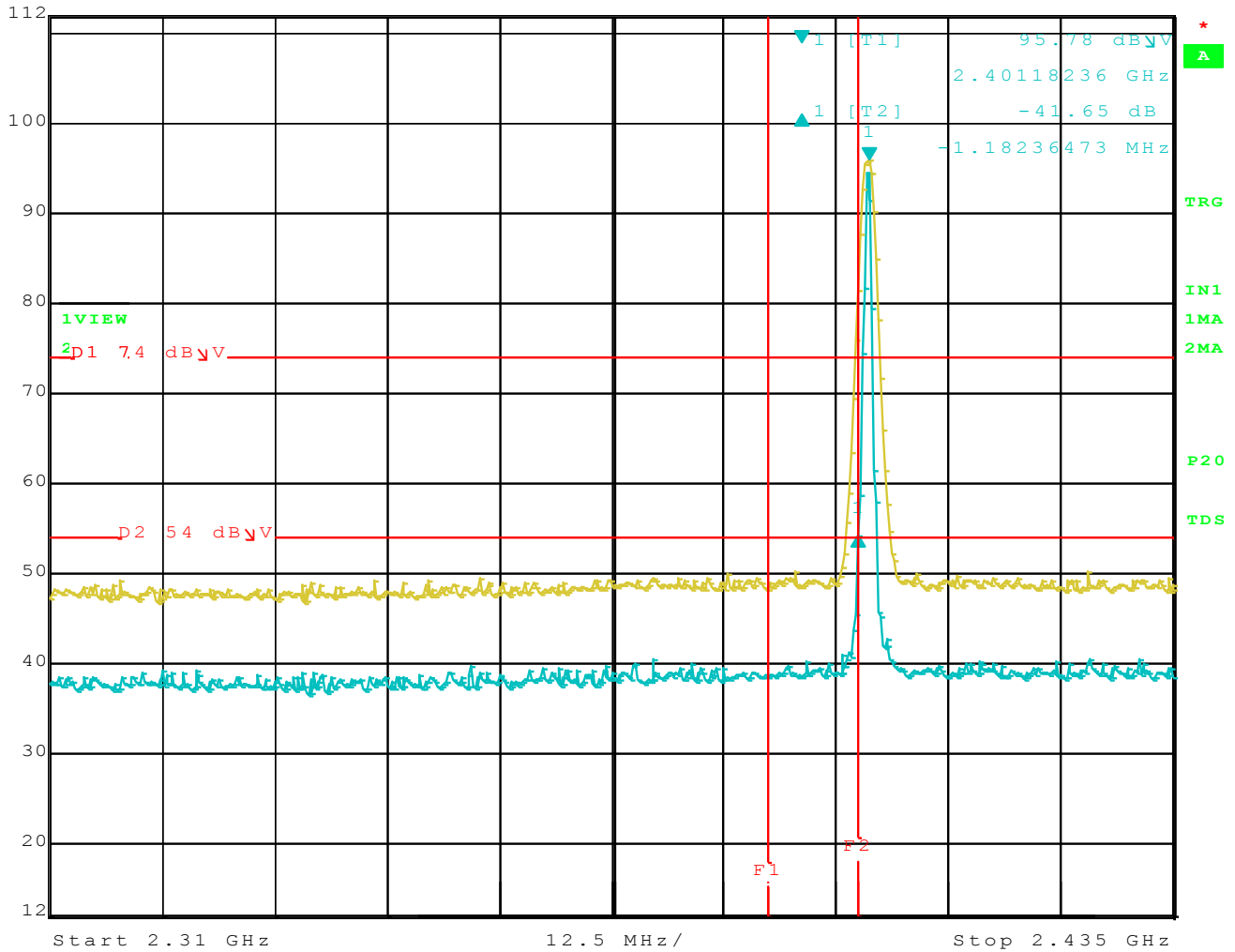

Max/Ref Lvl Delta 1 [T1] RBW 1 MHz RF Att 0 dB
112 dB μ V -14.48 dB VBW 10 Hz
72 dB μ V -1.18236473 MHz SWT 32 s Unit dB μ V



Date: 3.NOV.2011 10:21:50

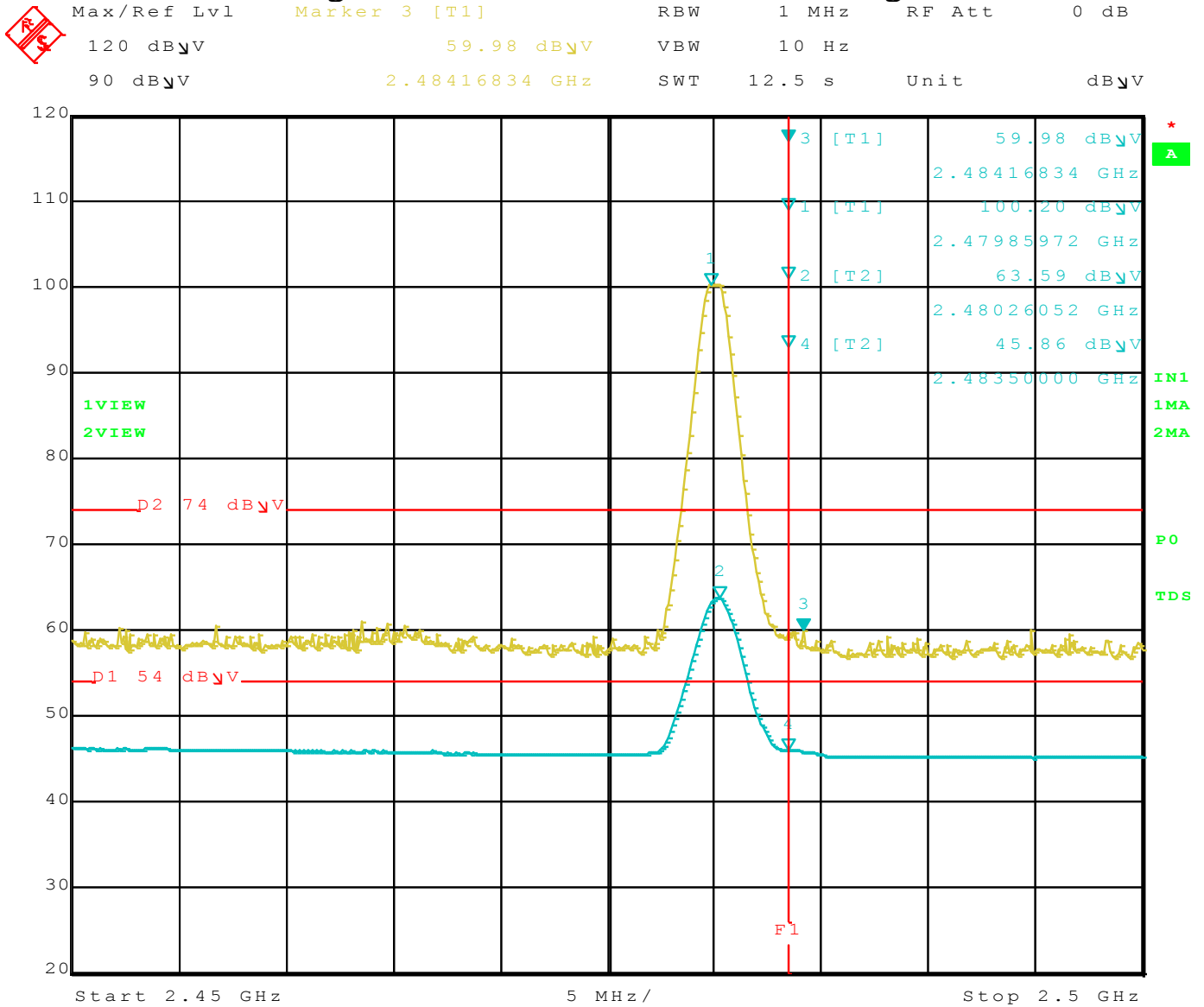
Low Channel Vertical Marker Delta


Max/Ref Lvl Delta 1 [T2] RBW 100 kHz RF Att 0 dB
112 dB μ V -41.65 dB VBW 3 MHz
72 dB μ V -1.18236473 MHz SWT 32 ms Unit dB μ V



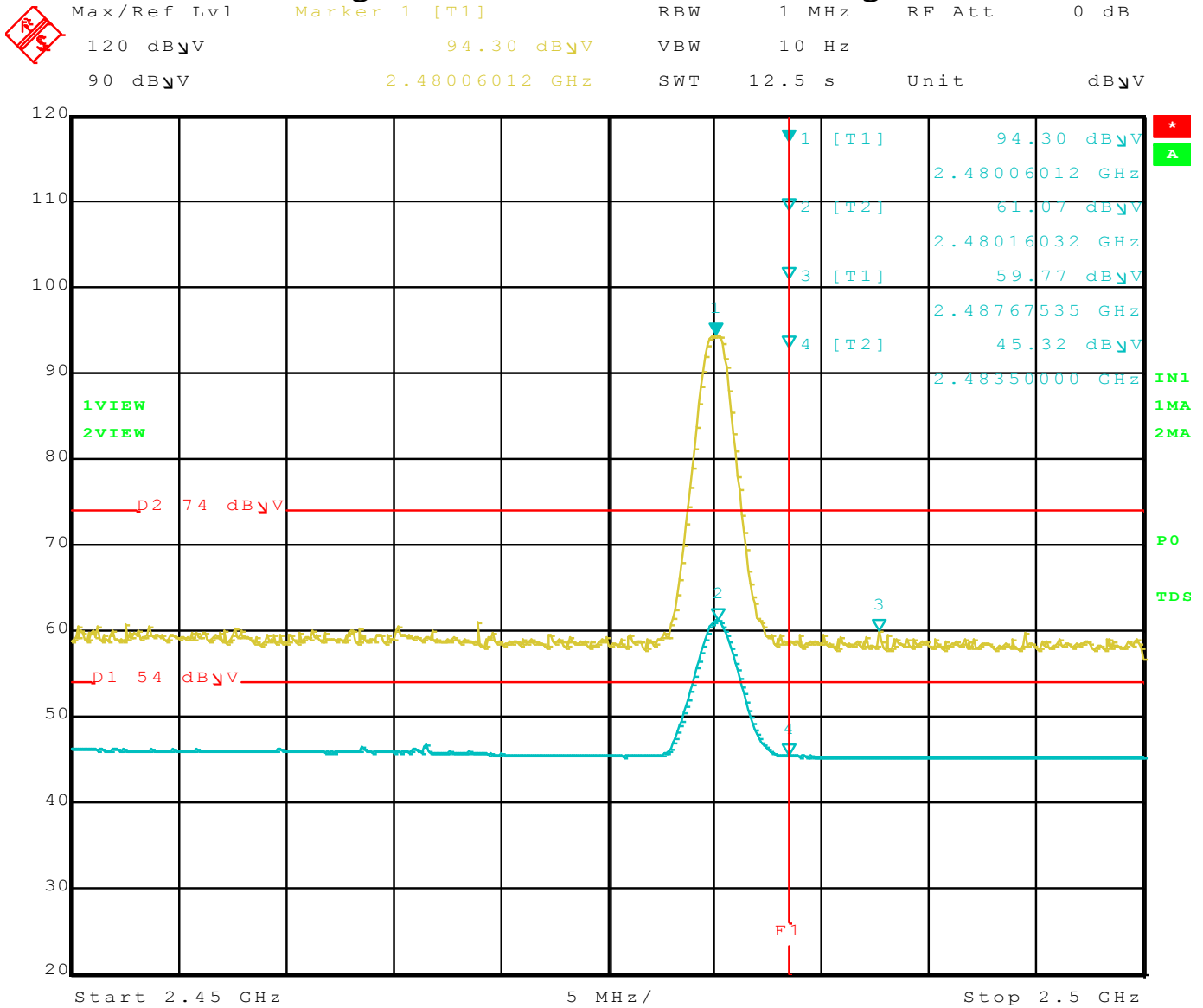
Date: 3.NOV.2011 10:20:18

High Channel Horizontal Band Edge



Title: Bluetooth Remote F8Z896
Comment A: Upper Band Edge Horizontal
Date: 6.OCT.2011 12:45:04

High Channel Vertical Band Edge



Title: Bluetooth Remote F8Z896
Comment A: Upper Band Edge Vertical
Date: 6.OCT.2011 12:50:55