

Straubing, July 11, 2007

TEST - REPORT

No. 55503-070467 (Edition 1)

for

T4YBF

Remote Control Transmitter

Applicant: Futaba Corporation

Test Specifications: FCC Code of Federal Regulations,
CFR 47, Part 95, Subpart C&E

FCC Code of Federal Regulations,
CFR 47, Part 2, Subpart J

Note:

The test data of this report relate only to the individual item which has been tested. This report shall not be reproduced except in full extent without the written approval of the testing laboratory.

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1 Description of the Equipment Under Test (EUT)

General data of EUT	
Type designation ¹ :	T4YBF
Parts ² :	
Serial number(s):	001
Manufacturer:	Futaba Corporation
Type of equipment:	Remote Control Transmitter
Version:	Series version
FCC ID:	AZPT4YBF-72B
Additional parts/accessories:	No additional parts

Technical data of EUT	
Frequency range:	72.010 MHz -72.990 MHz 75.410 MHz - 75.990 MHz
Operating frequency:	72.550 MHz / 75.910 MHz
Type of modulation:	F1D

¹ Type designation of the system if EUT consists of more than one part.

² Type designations of the parts of the system, if applicable.

2 Administrative Data

Application details	
Applicant (full address):	Futaba Corporation 1080, Yabutsuka Chosei-mura, Chosei-gun, Chiba-ken 299-4395 Japan
Contact person:	Mr. Sakuma
Contract identification:	
Receipt of EUT:	June 19, 2002 / March 10, 2003
Date(s) of test:	June 19 to 29, 2002 / March-April 2003
Note(s):	

Report details	
Report number:	55503-070467
Edition:	1
Issue date:	July 11, 2007

3 Identification of the Test Laboratory

Details of the Test Laboratory	
Company name:	Senton GmbH EMI/EMC Test Center
Address:	Aeussere Fruehlingstrasse 45 D-94315 Straubing Germany
Laboratory accreditation:	DAR-Registration No. DAT-P-171/94-02
FCC test site registration number	90926
Industry Canada test site registration:	IC 3050
Contact person:	Mr. Johann Roidt
	Phone: (+49) (0)9421 5522-0 Fax: (+49) (0)9421 5522-99

4 Summary

Summary of test results

The tested sample complies with the requirements set forth in the
Code of Federal Regulations CFR 47, Part 95, Subpart C & E
and the
Code of Federal Regulations CFR 47 Part 2, Subpart J
of the Federal Communication Commission (FCC).

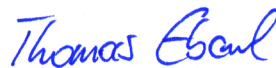
Personnel involved in this report

Laboratory Manager:



Mr. Johann Roidt

Responsible for testing:



Mr. Thomas Eberl

Responsible for test report:

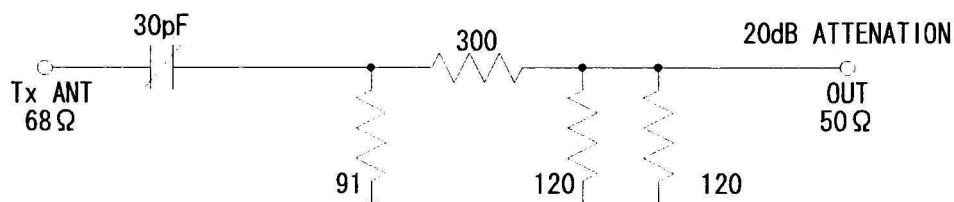
Mr. Thomas Eberl

5 Operation Mode and Configuration of EUT

Operation Mode(s)

- transmitting continuously³
- with accu pack supply nominal 9.6 V DC)⁴
- antenna extended to maximum⁵
- operating with $f = 72.550 \text{ MHz} / 75.910 \text{ MHz}$

For conducted measurements a dummy load was used as delivered by applicant. A short description of the circuit and the method to stop modulation can be found in the following figure.



Configuration(s) of EUT

The EUT was configured as stand alone device

³ Modulation as indicated on appropriate test record

⁴ For conducted measurements replaced by external DC supply

⁵ For radiated emissions only

List of ports and cables				
<i>Port</i>	<i>Description</i>	<i>Classification⁶</i>	<i>Cable type</i>	<i>Cable length</i>
	Not Applicable			

List of devices connected to EUT				
<i>Item</i>	<i>Description</i>	<i>Type Designation</i>	<i>Serial no. or ID</i>	<i>Manufacturer</i>
	Not Applicable			

List of support devices				
<i>Item</i>	<i>Description</i>	<i>Type Designation</i>	<i>Serial no. or ID</i>	<i>Manufacturer</i>
	Not Applicable			

⁶ Ports shall be classified as ac power, dc power or signal/control port

6 Measurement Procedures

6.1 Maximum Transmitter Power

The maximum transmitter power was measured conducted and radiated.

6.1.1 Conducted Maximum Transmitter Power

A spectrum analyzer / EMI test receiver was connected to the output of the transmitter power amplifier (conducted measurement) via dummy load while EUT was operating in transmit mode using the assigned frequency.

The trace mode of the spectrum analyzer was set to max hold with:
RBW = 100 kHz, VBW = 100 kHz, span = 1 MHz, sweep = 20 ms (auto mode)

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 18, 51, 69, 70, 71

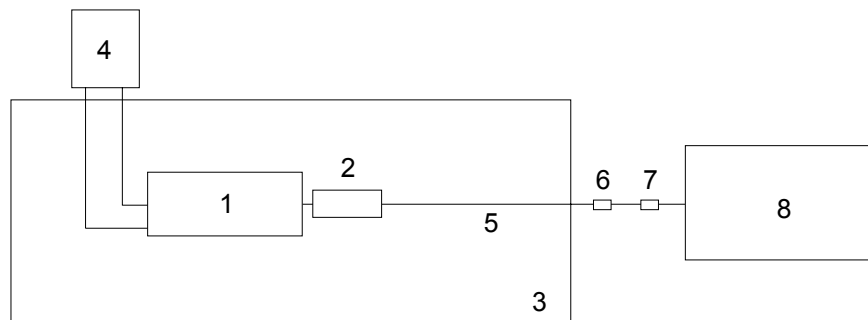


Figure 1: Measurement setup for testing on antenna connector

1 Transmitter (EUT)
2 Dummy load
3 Wooden table
4 DC power supply

5 Test cable
6 Coupler block
7 Attenuator
8 Spectrum analyzer

6.1.2 Radiated Maximum Transmitter Power

Radiated Maximum Transmitter Power was measured with detector-function of the spectrum analyzer set to positive peak and trace mode max hold:

RBW = 100 kHz, VBW = 100 kHz, span = 1 MHz, sweep = 15 s

For measurement setup and procedure see section "Unwanted Emission 30 MHz - 1 GHz" on Page 15.

6.2 Frequency tolerance

Frequency stability vs. temperature

The frequency stability vs. temperature was measured with a spectrum analyzer connected to the output of the transmitter power amplifier (conducted measurement) via dummy load while EUT was operating in transmit mode using the assigned frequency.

The trace mode of the spectrum analyzer was set to write with frequency count mode activated: RBW = 100 Hz, VBW = 100 Hz, span = 20 kHz, sweep = 1.5 s (auto mode)

See figure 2 for the measurement setup.

Test equipment used (see equipment list for details):

02, 18, 51, 54, 69, 70, 71

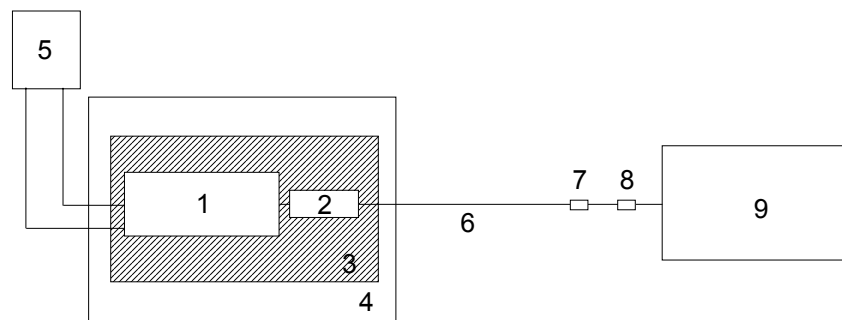


Figure 2: Measurement setup for testing within temperature test chamber

1 Transmitter (EUT)

2 Dummy load

3 Wooden support

4 Temperature test chamber

5 DC power supply

6 Coaxial cable

7 C-block

8 Attenuator

9 Spectrum analyzer

Frequency stability vs. supply voltage

The frequency stability vs. supply voltage was measured with a spectrum analyzer connected to the output of the transmitter power amplifier (conducted measurement) via dummy load while EUT was operating in transmit mode using the assigned frequency.

The trace mode of the spectrum analyzer was set to write with frequency count mode activated: RBW = 100 Hz, VBW = 100 Hz, span = 20 kHz, sweep = 1.5 s (auto mode)

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 18, 51, 69, 70, 71

6.3 Emission Bandwidth

The emission bandwidth was measured as occupied bandwidth with a spectrum analyzer connected to the output of the transmitter power amplifier (conducted measurement) via dummy load while EUT was operating in transmit mode using the assigned frequency.

The occupied bandwidth measurement was performed referring to 99% of total power:
The trace mode of the spectrum analyzer was set to max hold with
RBW = 30 Hz, VBW = 30 Hz, span = 40 kHz, sweep = 90 s

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 18, 51, 69, 70, 71

6.4 Unwanted Emission 30 MHz - 1 GHz

Radiated emissions were measured over the frequency range from 30 MHz to 1 GHz. For final testing the detector-function of the spectrum analyzer was set to positive peak and trace mode max hold:

RBW = 3 kHz, VBW = 10 kHz, span = 20 kHz, sweep = 10 s

Measurements were made in both the horizontal and vertical planes of polarization.

The scans were taken in a semi-anechoic room using a spectrum analyzer with the detector function set to peak and resolution bandwidth set to 100 kHz. All tests were performed at a test-distance of 3 meters. Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing.

During the tests the EUT was rotated all around and the receiving-antenna was raised and lowered from 1 meter to 4 meters to find the maximum levels of emissions. The cables and equipment were placed and moved within the range of position likely to find their maximum emissions.

Final testing was performed referring to substitution method as described in TIA/EIA-603, section 2.2.12 ("Radiated Spurious Emissions").

Test equipment used (see equipment list for details):

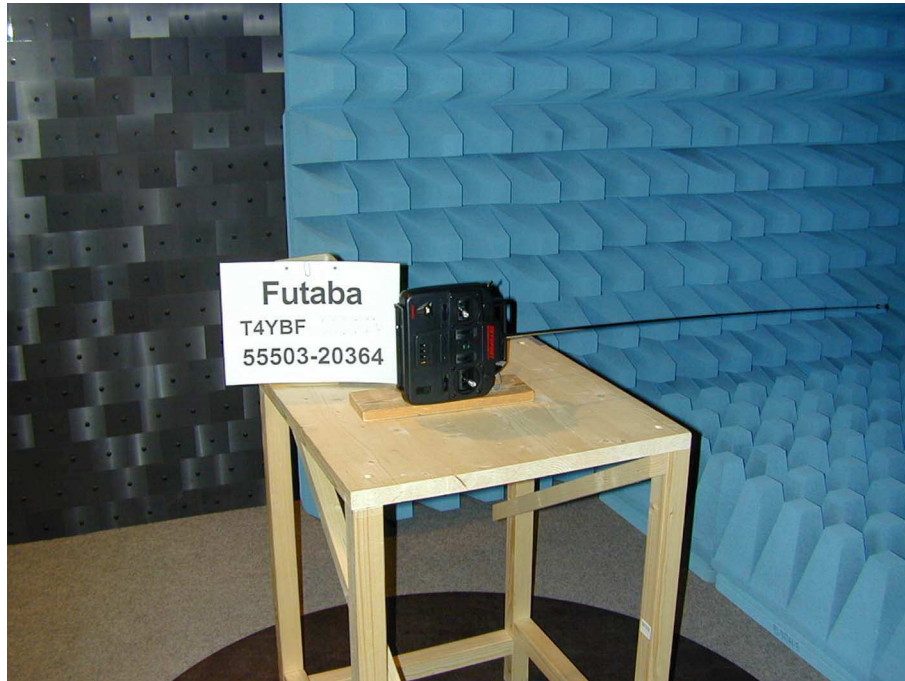
01, 06, 12, 15, 38, 39, 40, 41, 55, 58, 61, 64, 66

7 Photographs Taken During Testing

**Test setup for radiated emission measurement
(fully anechoic room)**



**Test setup for radiated emission measurement
(fully anechoic room) - continued -**



8 Equipment List

To facilitate reference to test equipment used for related tests, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory.

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	R 3271	05050023	Advantest
02	EMI Test Receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
03	Test Receiver	ESH 3	880112/032	Rohde & Schwarz
04	Test Receiver	ESHS 10	860043/016	Rohde & Schwarz
05	Test Receiver	ESV	881414/009	Rohde & Schwarz
06	Test Receiver	ESVP	881120/024	Rohde & Schwarz
07	Audio Analyzer	UPA	862954	Rohde & Schwarz
08	Power Meter	NRVS	836856/015	Rohde & Schwarz
09	Power Sensor	NRV-Z52	837901/030	Rohde & Schwarz
10	Power Sensor	NRV-Z4	863828/015	Rohde & Schwarz
11	Preamplifier	ESV-Z3	860907/004	Rohde & Schwarz
12	Preamplifier	R14601		Advantest
13	Preamplifier	ACX/080-3030	32640	CTT
14	Preamplifier	ACO/180-3530	32641	CTT
15	Signal generator	SMY 01	830694/001	Rohde & Schwarz
16	Signal Generator	HP 8673 D	2930A00966	Hewlett Packard
17	Waveform Generator	HP 33120 A	US34005375	Hewlett Packard
18	Attenuator 20 dB	4776-20	9503	Narda
19	Attenuator 10 dB	4776-10	9412	Narda
20	Pulse Limiter	ESH 3-Z2	1144	Rohde & Schwarz
21	Pulse Limiter	11947 A	3107A00566	Hewlett Packard
22	V-Network	ESH 3-Z5	862770/018	Rohde & Schwarz
23	V-Network	ESH 3-Z5	894785/005	Rohde & Schwarz
24	V-Network	ESH 3-Z5	830952/025	Rohde & Schwarz
25	V-Network	ESH 3-Z6	830722/010	Rohde & Schwarz
26	V-Network	NSLK 8127	8127152	Schwarzbeck
27	V-Network	NNLA 8119	8119148	Schwarzbeck
28	V-Network	SE 01	01	Senton
29	T-Network	ESH 3-Z4	890602/011	Rohde & Schwarz
30	T-Network	ESH 3-Z4	890602/012	Rohde & Schwarz
31	High Impedance Probe	TK 9416	01	Schwarzbeck
32	High Impedance Probe	TK 9416	02	Schwarzbeck
33	Current Probe	ESH 2-Z1	863366/18	Rohde & Schwarz
34	Current Probe	ESV-Z1	862553/3	Rohde & Schwarz

No.	Type	Model	Serial Number	Manufacturer
35	Absorbing Clamp	MDS 21	80911	Lüthi
36	Absorbing Clamp	MDS 21	79690	Lüthi
37	Loop Antenna	HFH2-Z2	882964/1	Rohde & Schwarz
38	Biconical Antenna	HK 116	842204/001	Rohde & Schwarz
39	Biconical Antenna	HK 116	836239/02	Rohde & Schwarz
40	Log. Periodic Antenna	HL 223	841516/023	Rohde & Schwarz
41	Log. Periodic Antenna	HL 223	834408/12	Rohde & Schwarz
42	Horn Antenna	3115	9508-4553	Emco
43	Horn Antenna	3160-03	9112-1003	Emco
44	Horn Antenna	3160-04	9112-1001	Emco
45	Horn Antenna	3160-05	9112-1001	Emco
46	Horn Antenna	3160-06	9112-1001	Emco
47	Horn Antenna	3160-07	9112-1008	Emco
48	Horn Antenna	3160-08	9112-1002	Emco
49	Horn Antenna	3160-09	9403-1025	Emco
50	Digital multimeter	199	463386	Keithley
51	DC Power Supply	NGSM 32/10	203	Rohde & Schwarz
52	DC Power Supply	NGB	2455	Rohde & Schwarz
53	DC Power Supply	NGA	386	Rohde & Schwarz
54	Temperature Test Chamber	HT4010	07065550	Heraeus
55	Cable	RG214	1309	Senton
56	Cable	200CM_001	1357	Rosenberger
57	Cable	150CM_001	1479	Rosenberger
58	Cable Set EG1	RG214	1189 - 1191	Senton
59	Cable Set Cabine 1	RG214		Senton
60	Cable Set Cabine 2	RG214		Senton
61	Cable Set Cabine 3	RG214		Senton
62	Shielded Room	No. 1	1451	Senton
63	Shielded Room	No. 2	1452	Senton
64	Semi-anechoic Chamber	No. 3	1453	Siemens
65	Shielded Room	No. 4	1454	Euroshield
66	Open Area Test Site	EG 1		Senton
67	Cable for Antenna Connector			Lucent Technologies
68	DC Block 0.01-18GHz		8037	Inmet Corp.
69	High pass filter			Lucent Technologies
69	DC Block	7006	A2798	Weinschel Corp.
70	Cable for Antenna Connector			Senton
71	Dummy load			Futaba Corporation

9 Test Results

CFR 47 Part 95 Subpart C / E CFR 47 Part 2 Subpart J			
<i>Section(s):</i>	<i>Test</i>	<i>Page</i>	<i>Result</i>
95.639	Maximum transmitter power	22	Passed
95.623	Frequency tolerance	26	Passed
95.633	Emission bandwidth	30	Passed
95.635 (b) (1) (3) (7) (10) (11) (12)	Unwanted radiation 30 MHz - 1 GHz	34	Passed

9.1 Maximum transmitter power conducted

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode: - transmitting continuously (TX mode)
- operating with $f = 72.550$ MHz
Date of test: June 20, 2002
Operator: Thomas Eberl

Test conditions:

Temperature: +20°C
Nominal supply voltage: 9.6V DC

Specifications:

Voltage range: ± 15 % of nominal supply voltage

Operating with $f = 72.550$ MHz:

Supply voltage (V)	Modulation	Transmitter power (dBm)	Transmitter power (W)	Limit (W)
8.16	off	22.40	0.174	0.750
9.60	off	23.80	0.240	0.750
11.04	off	24.80	0.302	0.750
8.16	on	22.40	0.174	0.750
9.60	on	23.80	0.240	0.750
11.04	on	24.80	0.302	0.750

Result: Test passed

Maximum transmitter power conducted

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode: - transmitting continuously (TX mode)
- operating with $f = 75.910$ MHz
Date of test: April, 2003
Operator: Thomas Eberl

Test conditions:

Temperature: +20°C
Nominal supply voltage: 9.6V DC

Specifications:

Voltage range: ± 15 % of nominal supply voltage

Operating with $f = 75.910$ MHz:

Supply voltage (V)	Modulation	Transmitter power (dBm)	Transmitter power (W)	Limit (W)
8.16	off	20.80	0.120	0.750
9.60	off	22.30	0.170	0.750
11.04	off	23.20	0.209	0.750
8.16	on	20.80	0.120	0.750
9.60	on	22.30	0.170	0.750
11.04	on	23.20	0.209	0.750

Result: Test passed

9.1.1 Maximum transmitter power - Radiated

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- with modulation
- with supply voltage 9.6 V DC
- antenna extended to maximum
- operating with $f = 72.550$ MHz
Date of test: June 20, 2002
Operator: Thomas Eberl

Test conditions:

Temperature: +20°C
Voltage supply: Fully charged batteries (9.6 V DC nominal)

Note 1:

Limit of 28.8 dBm corresponds to 0.75 W.

Note 2:

For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Operating with $f = 72.550$ MHz

Position of EUT	Frequency (MHz)	Polarisation V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Limit (dBm)
vertical, antenna vertical	72.550	V	-7.95	24.74	16.79	28.8
horiz., antenna horizontal	72.550	H	-9.54	25.51	15.97	28.8
horiz., right side on table	72.550	H	-9.38	25.5	16.14	28.8

Result: Test passed

Maximum transmitter power - Radiated

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- with modulation
- with supply voltage 9.6 V DC
- antenna extended to maximum
- operating with $f = 75.910$ MHz
Date of test: April, 2003
Operator: Thomas Eberl

Test conditions:

Temperature: +20°C
Voltage supply: Fully charged batteries (9.6 V DC nominal)

Note 1:

Limit of 28.8 dBm corresponds to 0.75 W.

Note 2:

For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Operating with $f = 75.910$ MHz

Position of EUT	Frequency (MHz)	Polarisation V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Limit (dBm)
vertical, antenna vertical	75.910	V	-11.63	26,01	14.38	28.8
horiz., antenna horizontal	75.910	H	-12.25	26.49	14.24	28.8
horiz., right side on table	72.910	H	-13.48	26.49	13.01	28.8

Result: Test passed

9.2 Carrier Frequency Stability

9.2.1 Frequency Stability vs. Temperature

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- without modulation
- operating with $f = 72.550$ MHz
Date of test: June 20, 2002
Operator: Thomas Eberl

Test conditions:

Temperature: see table below
Supply voltage: 9.6 V DC

Specifications:

Frequency tolerance: ± 0.002 % of nominal carrier frequency
Temperature range: -30 to +50°C

Operating with $f = 72.550$ MHz

Temperature (°C)	Nominal car. frequency (MHz)	Frequency measured (MHz)	Frequency deviation (Hz)	Frequency deviation (%)	Limit (%)
-30	72.550	72.54948	-520	0.0007167	0.002
-20	72.550	72.55036	+360	0.0004962	0.002
-10	72.550	72.55049	+490	0.0006753	0.002
0	72.550	72.55044	+440	0.0006064	0.002
+10	72.550	72.55028	+280	0.0003859	0.002
+20	72.550	72.55010	+10	0.0000137	0.002
+30	72.550	72.54968	-320	0.0004410	0.002
+40	72.550	72.54942	-580	0.0007994	0.002
+50	72.550	72.54928	-720	0.0009924	0.002

Result: Test passed

Frequency Stability vs. Temperature

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode: - transmitting continuously (TX mode)
 - operating with $f = 75.910 \text{ MHz}$
 Date of test: April, 2003
 Operator: Thomas Eberl

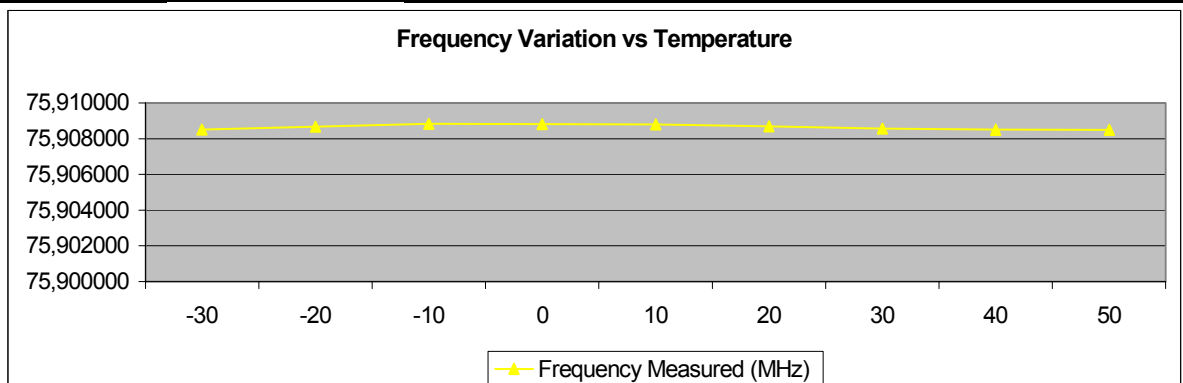
Test conditions:

Temperature: see table below
 Supply voltage: 9.6 V DC

Specifications:

Frequency tolerance: $\pm 0.002 \%$ of nominal carrier frequency
 Temperature range: -30 to $+50^\circ\text{C}$

Temperature (°C)	Nominal Frequency (MHz)	Frequency Measured (MHz)	Frequency Tolerance (Hz)	Frequency Tolerance (%)	Limit (%)
-30	75,910000	75,908520	-1480	-0,001950	0,002
-20	75,910000	75,908670	-1330	-0,001752	0,002
-10	75,910000	75,908840	-1160	-0,001528	0,002
0	75,910000	75,908820	-1180	-0,001554	0,002
10	75,910000	75,908800	-1200	-0,001581	0,002
20	75,910000	75,908700	-1300	-0,001713	0,002
30	75,910000	75,908560	-1440	-0,001897	0,002
40	75,910000	75,908510	-1490	-0,001963	0,002
50	75,910000	75,908490	-1510	-0,001989	0,002



Result: Test passed

9.2.2 Frequency Stability vs. Supply Voltage

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- without modulation
- operating with $f = 72.550$ MHz
Date of test: June 20, 2002
Operator: Thomas Eberl

Test conditions:

Temperature: $+20^{\circ}\text{C}$
Nominal supply voltage: 9.6 V DC

Specifications:

Frequency tolerance: $\pm 0.002\%$ of nominal carrier frequency
Voltage range: $\pm 15\%$ of nominal supply voltage

Operating with $f = 72.550$ MHz

Supply voltage (V)	Nominal car. frequency (MHz)	Frequency measured (MHz)	Frequency deviation (Hz)	Frequency deviation (%)	Limit (%)
8.16	72.550	72.54980	-200	0.0002756	0.002
8.50	72.550	72.54985	-150	0.0002067	0.002
9.00	72.550	72.54990	-100	0.0001378	0.002
9.60	72.550	72.54991	-90	0.0001240	0.002
10.00	72.550	72.55001	+10	0.0000137	0.002
10.50	72.550	72.55003	+30	0.0000413	0.002
11.04	72.550	72.55004	+40	0.0000551	0.002
Batt. end point (V)					
6.5	72.550	72.54939	-610	0.0008400	0.002

Result: Test passed

Frequency Stability vs. Supply Voltage

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode: - transmitting continuously (TX mode)
 - operating with $f = 75.910$ MHz
 Date of test: April, 2003
 Operator: Thomas Eberl

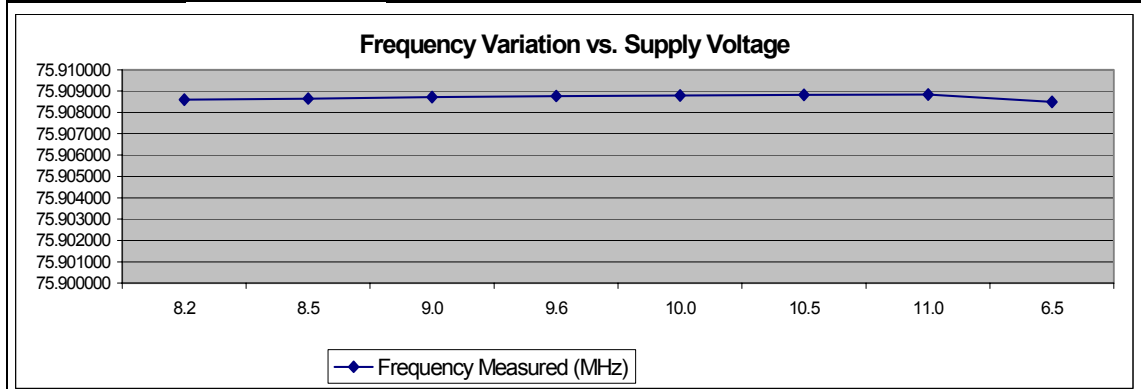
Test conditions:

Temperature: +20°C
 Nominal supply voltage: 9.6 V DC
 6.5 V (Battery end point)

Specifications:

Frequency tolerance: ± 0.002 % of nominal carrier frequency
 Voltage range: ± 15 % of nominal supply voltage

Supply Voltage (V)	Nominal Frequency (MHz)	Frequency Measured (MHz)	Frequency Tolerance (Hz)	Frequency Tolerance (%)	Limit (%)
8.2	75.910000	75.908600	-1,400	-0.001844	0.002
8.5	75.910000	75.908650	-1,350	-0.001778	0.002
9.0	75.910000	75.908720	-1,280	-0.001686	0.002
9.6	75.910000	75.908770	-1,230	-0.001620	0.002
10.0	75.910000	75.908800	-1,200	-0.001581	0.002
10.5	75.910000	75.908820	-1,180	-0.001554	0.002
11.0	75.910000	75.908840	-1,160	-0.001528	0.002
6.5	75.910000	75.908490	-1,510	-0.001989	0.002



Result: Test passed

9.3 Emission Bandwidth

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode:
 - transmitting continuously (TX mode)
 - with modulation
 - operating with $f = 72.550$ MHz
 Date of test: June 20, 2002
 Operator: Thomas Eberl

Test conditions:

Temperature: $+20^{\circ}\text{C}$
 Supply voltage: 12.0 V DC

Specifications:

Authorized bandwidth: 8 kHz

Note:

Emission bandwidth was measured as occupied bandwidth. For details see plot on following page.

Test procedure	Measured occupied bandwidth (kHz)	Limit (kHz)
TIA/EI-603	4.7	8.00

Result: Test passed

Calculation	$B_n = 2M + 2DK$
M = Modulation Frequency	$M = 1.55$ kHz
D = Deviation	$D = 1.45$ kHz
	$K = 1$
	$B_n = 2(1.55 \text{ kHz}) + 2(1.45 \text{ kHz}) = 3.1 + 2.9 = 6 \text{ kHz}$

Type of Emission = 6K00F3E

Emission Bandwidth (Continued)

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- with modulation
- operating with $f = 75.910$ MHz
Date of test: April, 2003
Operator: Thomas Eberl

Test conditions:

Temperature: $+20^{\circ}\text{C}$
Supply voltage: 9.6 V DC

Specifications:

Authorized bandwidth: 8 kHz

Note:

Emission bandwidth was measured as occupied bandwidth. For details see plot on following page.

Test procedure	Measured occupied bandwidth (kHz)	Limit (kHz)
TIA/EI-603	4.7	8.00

Result: Test passed

Calculation	$B_n = 2M + 2DK$
M = Modulation Frequency	$M = 10$ kHz
D = Deviation	$D = 40$ kHz
	$K = 1$
	$B_n = 2(10 \text{ kHz}) + 2(40 \text{ kHz}) = 20 + 80 = 100 \text{ kHz}$

Type of Emission = 6K0F1D

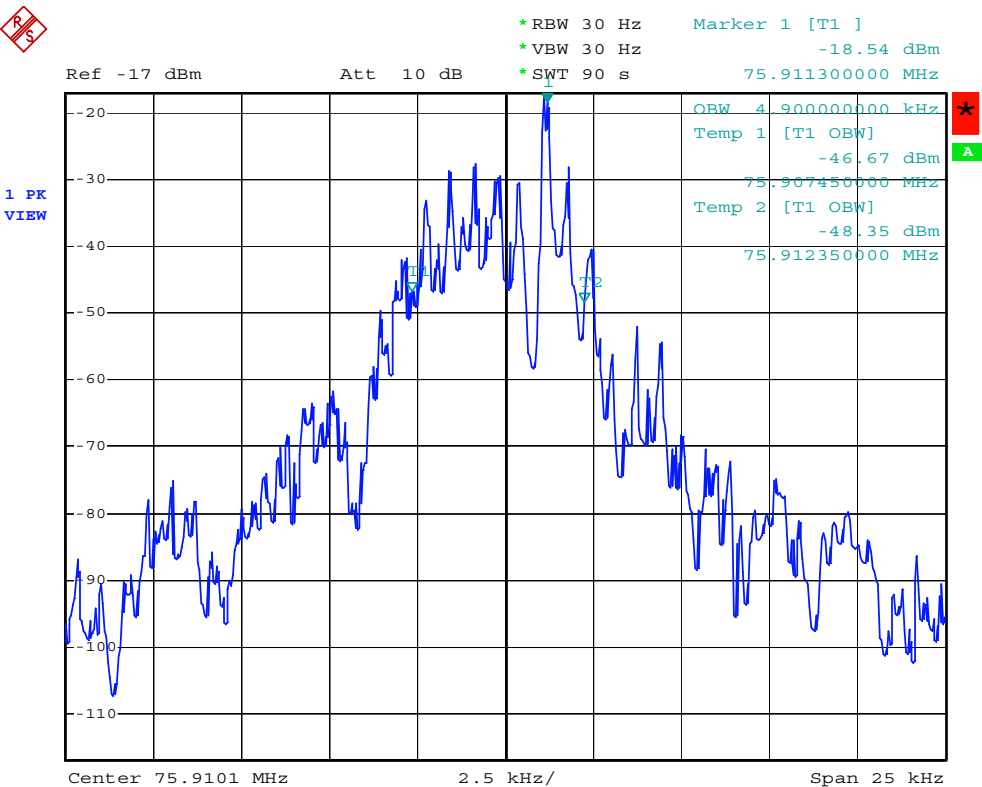
Emission Bandwidth (Continued)

Specifications:

Authorized bandwidth: 8 kHz
Test procedure: TIA/EIA-603 (99% of total power with RBW as close to, but not less than 1% of the 99% power bandwidth)

Note:

Tested on antenna connector via dummy load



9.4 Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode:
 - transmitting continuously (TX mode)
 - with modulation
 - with supply voltage 9.6 V DC
 - antenna extended to maximum
 - operating with $f = 72.550\text{MHz}$
 - EUT in vertical position, antenna to the top

Date of test: June 19, 2002
 Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters
 Limit: $10 \log(P_{\text{carrier}}) - 56 \text{ dB}$
 with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.8 dBm	0.240 Watt
Maximum carrier power (radiated) :	16.79 dBm	0.047 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
72.550	V	-7.95	24.74	16.79	28.8	12.01
217.650	V	-69.87	19.84	-50.02	-26.0	22.72
290.200	V	-76.72	25.78	-50.94	-26.0	23.64
362.750	V	-77.60	28.24	-59.36	-26.0	32.06
435.300	V	-70.88	28.11	-42.77	-26.0	15.47
507.850	V	-77.46	28.12	-49.33	-26.0	22.03
580.400	V	-82.19	30.67	-51.52	-26.0	24.22
652.950	V	-88.68	29.94	-58.74	-26.0	31.44
725.500	H	-85.30	31.07	-54.23	-26.0	26.93
798.050	V	-81.22	32.41	-48.82	-26.0	21.52
870.600	V	-88.86	34.17	-54.69	-26.0	27.39
943.600	H	-100.37	34.03	-66.34	-26.0	39.04

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode:
 - transmitting continuously (TX mode)
 - with modulation
 - with supply voltage 9.6 V DC
 - antenna extended to maximum
 - operating with $f = 72.550$ MHz
 - EUT in horizontal position with rear side on table

Date of test: June 19, 2002
 Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters
 Limit: $10 \log(P_{\text{carrier}}) - 56$ dB
 with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.8 dBm	0.240 Watt
Maximum carrier power (radiated) :	16.79 dBm	0.047 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
72.550	H	-9.54	25.51	15.97	28.8	12.83
217.650	H	-72.94	20.37	-52.58	-26.0	25.28
290.200	H	-86.11	24.06	-62.05	-26.0	34.75
362.750	H	-77.49	27.82	-49.67	-26.0	22.37
435.300	H	-87.13	29.56	-57.57	-26.0	30.27
507.850	H	-96.88	28.61	-68.26	-26.0	40.96
580.400	H	-85.99	29.21	-56.79	-26.0	29.49
652.950	H	-85.84	29.75	-56.08	-26.0	28.78
725.500	H	-85.49	31.07	-54.43	-26.0	27.13
798.050	H	-80.03	31.60	-48.43	-26.0	21.13
870.600	H	-86.04	32.67	-53.37	-26.0	26.07
943.150	H	-95.26	34.03	-61.23	-26.0	33.93

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode:
 - transmitting continuously (TX mode)
 - with modulation
 - with supply voltage 9.6 V DC
 - antenna extended to maximum
 - operating with $f = 72.550$ MHz
 - EUT in horizontal position with right side on table

Date of test: June 19, 2002
 Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters
 Limit: $10 \log(P_{\text{carrier}}) - 56$ dB
 with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.8 dBm	0.240 Watt
Maximum carrier power (radiated) :	16.79 dBm	0.047 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
72.550	H	-9.38	25.51	16.14	28.8	12.66
217.650	H	-72.53	20.37	-52.17	-26.0	24.87
290.200	H	-85.79	24.06	-61.73	-26.0	34.43
362.750	H	-80.98	27.84	-53.15	-26.0	25.85
435.300	H	-86.54	29.56	56.99	-26.0	29.69
507.850	H	-92.28	28.62	-63.67	-26.0	36.37
580.400	H	-89.50	29.2	-60.30	-26.0	33.00
652.950	H	-90.90	29.76	-61.14	-26.0	33.84
725.500	V	-87.21	29.52	-57.69	-26.0	30.39
798.050	V	-85.29	32.41	-52.89	-26.0	25.59
870.600	V	-90.26	34.17	-56.09	-26.0	28.79
943.150	H	-90.62	34.04	-56.58	-26.0	29.28

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF
Serial number: 001
Applicant: Futaba Corporation
Mode:
- transmitting continuously (TX mode)
- with modulation
- with supply voltage 9.6 V DC
- antenna extended to maximum
- operating with $f = 75.910\text{MHz}$
- EUT in vertical position, antenna to the top

Date of test: April, 2003
Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters
Limit: $10 \log(P_{\text{carrier}}) - 56 \text{ dB}$
with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.2 dBm	0.209 Watt
Maximum carrier power (radiated) :	14.38 dBm	0.027 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
75.910	V	-11.63	26.01	14.38	28.8	14.42
152.050	V	-58.44	23.10	-35.34	-26.0	9.34
227.600	V	-85.77	22.01	-63.76	-26.0	37.76
455.200	H	-90.02	32.47	-57.55	-26.0	31.55
607.200	V	-93.88	33.46	-60.42	-26.0	34.42
683.200	V	-87.09	33.33	-53.76	-26.0	27.76
759.200	H	-90.46	36.02	-54.44	-26.0	28.44
834.800	V	-88.58	36.54	-52.02	-26.0	26.02
910.800	V	-90.11	36.58	-53.53	-26.0	27.53

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF

Serial number: 001

Applicant: Futaba Corporation

Mode:

- transmitting continuously (TX mode)
- with modulation
- with supply voltage 9.6 V DC
- antenna extended to maximum
- operating with $f = 75.910$ MHz
- EUT in horizontal position with rear side on table

Date of test: April, 2003

Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters

Limit: $10 \log(P_{\text{carrier}}) - 56$ dB
with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.2 dBm	0.209 Watt
Maximum carrier power (radiated) :	14.38 dBm	0.027 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
75.910	H	-12.25	26.49	14.24	28.8	14.56
152.05	H	-57.29	23.56	-33.73	-26.0	7.73
227.600	H	-77.46	22.75	-54.71	-26.0	28.71
379.600	H	-95.63	28.94	-66.68	-26.0	40.68
455.200	H	-87.72	32.47	-55.25	-26.0	29.25
531.600	H	-88.51	31.78	-56.73	-26.0	30.73
607.200	H	-83.14	30.85	-52.29	-26.0	26.29
683.200	H	-83.71	33.18	-50.53	-26.0	24.53
759.200	H	-86.08	36.02	-50.06	-26.0	24.06
834.800	H	-82.52	34.37	-48.15	-26.0	22.15
910.800	H	-87.45	34.52	-52.93	-26.0	26.93

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

Unwanted Radiation 30 MHz - 1 GHz

EUT: T4YBF
 Serial number: 001
 Applicant: Futaba Corporation
 Mode:
 - transmitting continuously (TX mode)
 - with modulation
 - with supply voltage 9.6 V DC
 - antenna extended to maximum
 - operating with $f = 75.910$ MHz
 - EUT in horizontal position with right side on table

Date of test: April, 2003
 Operator: Thomas Eberl

Specifications:

Test-distance: 3 meters
 Limit: $10 \log(P_{\text{carrier}}) - 56$ dB
 with P_{carrier} as the maximum transmitter power limit for the unmodulated carrier according to §95.639

Maximum transmitter power (conducted) :	23.2 dBm	0.209 Watt
Maximum carrier power (radiated) :	14.38 dBm	0.027 Watt
Calculated limit (referring to TP) :	-26.0 dBm (constant)	

Frequency (MHz)	Polarization V/H	Reading value (dBm)	Correction factor (dB)	ERP (dBm)	Calculated limit (dBm)	Margin to limit (dB)
75.910	H	-13.48	26.49	13.01	28.8	15.79
152.050	H	-58.96	23.56	-35.40	-26.0	9.40
227.600	H	-81.04	22.75	-58.28	-26.0	32.28
303.600	H	-98.00	25.83	-72.17	-26.0	46.17
379.600	H	-94.20	28.95	-65.25	-26.0	39.25
455.200	V	-91.50	30.71	-60.79	-26.0	34.79
531.600	H	-88.31	31.78	-56.53	-26.0	30.53
607.200	V	-85.55	33.46	-52.09	-26.0	26.09
683.200	V	-91.24	33.33	-57.91	-26.0	31.91
759.200	V	-83.84	33.35	50.49	-26.0	24.49
834.800	V	-83.68	36.54	-47.14	-26.0	21.14
908.800	H	-89.92	34.44	-55.48	-26.0	29.48
987.200	H	-92.19	37.55	-54.84	-26.0	28.84

Note: For calculation of correction factors see tables "Test Site Calibration 30 MHz - 1 GHz for ERP Measurements (Substitution Method)" starting on page **Syntaxfehler, !**.

Result: Test passed

10 Referenced Regulations

All tests were performed with reference to the following regulations and standards:

☒	CFR 47 Part 2	Code of Federal Regulations Part 2 (Frequency allocation and radio treaty matters; General rules and regulations) of the Federal Communication Commission (FCC)	October 1, 2006
☒	CFR 47 Part 95 Subpart C/E	Code of Federal Regulations Part 95 (Personal Radio Services), Subpart C/E (Radio Control(R/C) Radio Service) of the Federal Communication Commission (FCC)	October 1, 2003
☒	ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	December 11, 2003 (published on January 30, 2004)
☐	RSS-210	Radio Standards Specification RSS-210 Issue 7 for Low Power Licence-Exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment, published by Industry Canada	June 2007
☐	RSS-102	Radio Standards Specification RSS-102 Issue 2: Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	November 2005
☐	ICES-003	Interference-Causing Equipment Standard ICES-003 Issue 4 for Digital Apparatus, published by Industry Canada	February 2004
☐	CISPR 22	Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement"	1997
☐	CAN/CSA-CEI/IEC CISPR 22	Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment	2002
☐	TIA/EIA-603 Revision C	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	August 17, 2004
☐	TRC-43	Notes Regarding Designation of Emission (Including Necessary Bandwidth and Classification), Class of Station and Nature of Service, published by Industry Canada	October 9, 1982

11 Revision History

<i>Revision</i>	<i>Date</i>	<i>Issued by</i>	<i>Modifications</i>
000	July 11, 2007	C. Jäger	First edition

12 Additional Information supplementary to the Test Report

Item	Description	No. of Pages
1	Test Site Calibration Data Sheets	4
2	Charts taken during testing (Operating frequency 72.550 MHz)	24
3	Charts taken during testing (Operating frequency 75.910 MHz)	36

Test Site Calibration 25 MHz - 5 GHz for ERP Measurements (Substitution Method)

Test site: Semi-anechoic room, cabin no. 2
 Test distance: Standard position [m]: 3
 Date: 07/15/2002
 Operator: R. Heller
 Transmit antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. A-1261
 Log.-per. antenna HL 223, Rohde & Schwarz, inv.-no. A-1262
 Horn antenna EMCO 3115, EMCO, inv.-no. B-1516
 Receiving antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. C-1560
 Log.-per. antenna 3147, EMCO, inv.-no. A-1009
 Signal source: Tracking generator of ESMI, Rohde & Schwarz, inv.-no. A-1569,
 connected to transmit antenna via cables inv.-no. 1683, port 2 of AP 1
 and 1592, nominal power at signal generator set to 0 dBm
 Receiving cables: Inv.-no. 1657, 1681 and 1592
 Test receiver: ESMI, Rohde & Schwarz, inv.-no. A-1569
 Antenna heights: TX antenna (h1): 1.5 metre
 RX antenna (h2): 1.5 metre
 Antenna position: TX antenna: center of turn table
 Polarization: horizontal

Frequency	Transmit signal	TX antenna gain		True transmit signal	Analyzer reading	Correction for reading
[MHz]	P tx [dBm]	(isotropic) [dBi]	(dipole) [dBd]	P true [dBm]	P site [dBm]	in "dBm" [dB]
25.0	-1.1	-17.0	-19.2	-20.3	-44.9	25.3
30.0	-1.4	-13.8	-16.0	-17.3	-40.0	23.3
35.0	-1.5	-11.1	-13.3	-14.7	-36.1	22.0
40.0	-1.5	-8.8	-11.0	-12.5	-38.8	27.0
45.0	-1.6	-6.7	-8.9	-10.5	-35.7	25.9
50.0	-1.6	-5.1	-7.3	-8.9	-34.3	26.1
55.0	-1.7	-3.8	-6.0	-7.6	-32.9	25.9
60.0	-1.7	-2.8	-5.0	-6.7	-32.2	26.2
65.0	-1.7	-2.0	-4.2	-5.9	-31.4	26.2
70.0	-1.7	-1.3	-3.5	-5.2	-30.6	26.1
75.0	-1.8	-0.7	-2.9	-4.7	-30.4	26.4
80.0	-1.9	-0.1	-2.3	-4.1	-30.4	26.9
85.0	-1.9	0.2	-2.0	-3.9	-30.3	27.1
90.0	-2.0	0.5	-1.7	-3.6	-29.6	26.6
95.0	-2.0	0.6	-1.6	-3.6	-28.9	26.0
100.0	-2.0	0.7	-1.5	-3.5	-28.2	25.3
110.0	-2.1	0.9	-1.3	-3.3	-27.9	25.2
120.0	-2.1	1.0	-1.2	-3.3	-27.4	24.8
130.0	-2.2	1.1	-1.1	-3.3	-27.2	24.6
140.0	-2.3	1.4	-0.8	-3.0	-26.3	23.9
150.0	-2.3	1.8	-0.4	-2.7	-25.6	23.6
160.0	-2.4	1.9	-0.3	-2.6	-25.4	23.4
170.0	-2.4	2.0	-0.2	-2.6	-25.3	23.4
180.0	-2.5	2.1	0.0	-2.5	-25.6	23.7
190.0	-2.6	2.3	0.2	-2.4	-26.4	24.6
200.0	-2.6	2.3	0.2	-2.4	-27.8	26.0
200.1	-2.3	6.5	4.4	2.0	-19.4	22.0
220.0	-2.6	6.9	4.8	2.1	-19.6	22.4
240.0	-2.7	7.0	4.9	2.1	-20.5	23.3
260.0	-2.8	7.1	5.0	2.2	-21.5	24.4
280.0	-2.9	7.3	5.1	2.2	-22.9	25.7

Test Site Calibration 25 MHz - 5 GHz for ERP Measurements (Substitution Method)

Test site: Semi-anechoic room, cabin no. 2
 Test distance: Standard position [m]: 3
 Date: 07/15/2002
 Operator: R. Heller
 Transmit antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. A-1261
 Log.-per. antenna HL 223, Rohde & Schwarz, inv.-no. A-1262
 Horn antenna EMCO 3115, EMCO, inv.-no. B-1516
 Receiving antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. C-1560
 Log.-per. antenna 3147, EMCO, inv.-no. A-1009
 Signal source: Tracking generator of ESMI, Rohde & Schwarz, inv.-no. A-1569,
 connected to transmit antenna via cables inv.-no. 1683, port 2 of AP 1
 and 1592, nominal power at signal generator set to 0 dBm
 Receiving cables: Inv.-no. 1657, 1681 and 1592
 Test receiver: ESMI, Rohde & Schwarz, inv.-no. A-1569
 Antenna heights: TX antenna (h1): 1.5 metre
 RX antenna (h2): 1.5 metre
 Antenna position: TX antenna: center of turn table
 Polarization: horizontal

Frequency [MHz]	Transmit signal P tx [dBm]	TX antenna gain		True transmit signal P true [dBm]	Analyzer reading P site [dBm]	Correction for reading in "dBm" [dB]
		(isotropic) [dBi]	(dipole) [dBd]			
300.0	-3.0	7.2	5.1	2.1	-23.0	25.7
325.0	-3.0	7.2	5.1	2.0	-23.9	26.6
350.0	-3.2	7.1	5.0	1.8	-25.7	28.2
375.0	-3.2	7.2	5.1	1.8	-26.2	28.7
400.0	-3.1	6.8	4.7	1.6	-27.8	30.0
425.0	-3.4	6.7	4.6	1.1	-29.1	30.9
433.9	-3.4	6.8	4.7	1.3	-29.8	31.7
450.0	-3.4	7.0	4.9	1.4	-30.6	32.6
475.0	-3.6	6.9	4.8	1.2	-30.1	32.0
500.0	-3.7	7.0	4.9	1.2	-30.2	32.1
550.0	-3.8	7.5	5.4	1.6	-29.3	31.6
600.0	-3.7	7.0	4.9	1.1	-28.9	30.7
650.0	-4.0	6.9	4.8	0.8	-30.3	31.7
700.0	-4.2	6.5	4.4	0.2	-33.0	33.9
750.0	-4.2	7.2	5.1	0.8	-34.6	36.1
800.0	-4.3	7.1	5.0	0.7	-34.3	35.7
850.0	-4.6	6.7	4.6	0.0	-33.2	33.8
867.8	-4.4	6.6	4.5	0.0	-32.9	33.7
900.0	-4.6	7.0	4.9	0.3	-33.1	34.1
950.0	-4.6	7.7	5.6	0.9	-34.4	36.0
1000.0	-4.7	7.0	4.9	0.2	-36.9	37.8
1000.1	-4.6	4.3		-0.3	-36.8	37.2
1500.0	-5.6	6.9		1.3	-41.1	43.2
2000.0	-6.2	7.1		0.9	-42.7	44.4
2500.0	-6.6	7.6		1.0	-46.0	47.8
3000.0	-6.8	7.7		0.9	-47.9	49.7
3500.0	-7.6	7.8		0.2	-49.4	50.5
4000.0	-8.2	7.9		-0.3	-53.7	54.3
4500.0	-9.0	9.0		0.0	-55.3	56.4
5000.0	-9.5	8.9		-0.6	-55.5	55.9

Test Site Calibration 25 MHz - 5 GHz for ERP Measurements (Substitution Method)

Test site: Semi-anechoic room, cabin no. 2
 Test distance: Standard position [m]: 3
 Date: 07/15/2002
 Operator: R. Heller
 Transmit antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. A-1261
 Log.-per. antenna HL 223, Rohde & Schwarz, inv.-no. A-1262
 Horn antenna EMCO 3115, EMCO, inv.-no. B-1516
 Receiving antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. C-1560
 Log.-per. antenna 3147, EMCO, inv.-no. A-1009
 Signal source: Tracking generator of ESMI, Rohde & Schwarz, inv.-no. A-1569,
 connected to transmit antenna via cables inv.-no. 1683, port 2 of AP 1
 and 1592, nominal power at signal generator set to 0 dBm
 Receiving cables: Inv.-no. 1657, 1681 and 1592
 Test receiver: ESMI, Rohde & Schwarz, inv.-no. A-1569
 Antenna heights: TX antenna (h1): 1.5 metre
 RX antenna (h2): 1.5 metre
 Antenna position: TX antenna: center of turn table
 Polarization: vertical

Frequency	Transmit signal ¹ P tx [dBm]	TX antenna gain		True transmit signal P true [dBm]	Analyzer reading P site [dBm]	Correction for reading in "dBm" [dB]
[MHz]		(isotropic) [dBi]	(dipole) [dBd]			
25.0	-1.1	-17.0	-19.2	-20.3	-43.4	23.8
30.0	-1.4	-13.8	-16.0	-17.3	-38.6	21.9
35.0	-1.5	-11.1	-13.3	-14.7	-34.9	20.8
40.0	-1.5	-8.8	-11.0	-12.5	-34.3	22.5
45.0	-1.6	-6.7	-8.9	-10.5	-37.0	27.1
50.0	-1.6	-5.1	-7.3	-8.9	-34.3	26.1
55.0	-1.7	-3.8	-6.0	-7.6	-32.7	25.7
60.0	-1.7	-2.8	-5.0	-6.7	-32.5	26.4
65.0	-1.7	-2.0	-4.2	-5.9	-31.3	26.1
70.0	-1.7	-1.3	-3.5	-5.2	-30.6	26.1
75.0	-1.8	-0.7	-2.9	-4.7	-29.9	25.9
80.0	-1.9	-0.1	-2.3	-4.1	-29.9	26.5
85.0	-1.9	0.2	-2.0	-3.9	-30.5	27.2
90.0	-2.0	0.5	-1.7	-3.6	-30.3	27.3
95.0	-2.0	0.6	-1.6	-3.6	-29.0	26.1
100.0	-2.0	0.7	-1.5	-3.5	-28.3	25.5
110.0	-2.1	0.9	-1.3	-3.3	-27.9	25.2
120.0	-2.1	1.0	-1.2	-3.3	-28.2	25.5
130.0	-2.2	1.1	-1.1	-3.3	-27.0	24.3
140.0	-2.3	1.4	-0.8	-3.0	-25.8	23.4
150.0	-2.3	1.8	-0.4	-2.7	-25.1	23.1
160.0	-2.4	1.9	-0.3	-2.6	-25.1	23.1
170.0	-2.4	2.0	-0.2	-2.6	-25.0	23.1
180.0	-2.5	2.1	0.0	-2.5	-25.1	23.2
190.0	-2.6	2.3	0.2	-2.4	-25.5	23.7
200.0	-2.6	2.3	0.2	-2.4	-26.9	25.2
200.1	-2.3	6.5	4.4	2.0	-18.4	21.1
220.0	-2.6	6.9	4.8	2.1	-18.7	21.5
240.0	-2.7	7.0	4.9	2.1	-20.0	22.8
260.0	-2.8	7.1	5.0	2.2	-21.4	24.3
280.0	-2.9	7.3	5.1	2.2	-23.7	26.6

Test Site Calibration 25 MHz - 5 GHz for ERP Measurements (Substitution Method)

Test site: Semi-anechoic room, cabin no. 2
 Test distance: Standard position [m]: 3
 Date: 07/15/2002
 Operator: R. Heller
 Transmit antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. A-1261
 Log.-per. antenna HL 223, Rohde & Schwarz, inv.-no. A-1262
 Horn antenna EMCO 3115, EMCO, inv.-no. B-1516
 Receiving antennae: Biconical antenna HK 116, Rohde & Schwarz, inv.-no. C-1560
 Log.-per. antenna 3147, EMCO, inv.-no. A-1009
 Signal source: Tracking generator of ESMI, Rohde & Schwarz, inv.-no. A-1569,
 connected to transmit antenna via cables inv.-no. 1683, port 2 of AP 1
 and 1592, nominal power at signal generator set to 0 dBm
 Receiving cables: Inv.-no. 1657, 1681 and 1592
 Test receiver: ESMI, Rohde & Schwarz, inv.-no. A-1569
 Antenna heights: TX antenna (h1): 1.5 metre
 RX antenna (h2): 1.5 metre
 Antenna position: TX antenna: center of turn table
 Polarization: vertical

Frequency	Transmit signal ¹ P tx [dBm]	TX antenna gain		True transmit signal P true [dBm]	Analyzer reading P site [dBm]	Correction for reading in "dBm" [dB]
[MHz]		(isotropic) [dBi]	(dipole) [dBd]			
300.0	-3.0	7.2	5.1	2.1	-25.3	28.0
325.0	-3.0	7.2	5.1	2.0	-26.7	29.3
350.0	-3.2	7.1	5.0	1.8	-28.2	30.7
375.0	-3.2	7.2	5.1	1.8	-27.9	30.4
400.0	-3.1	6.8	4.7	1.6	-28.3	30.5
425.0	-3.4	6.7	4.6	1.1	-28.2	30.0
433.9	-3.4	6.8	4.7	1.3	-28.6	30.6
450.0	-3.4	7.0	4.9	1.4	-28.8	30.9
475.0	-3.6	6.9	4.8	1.2	-28.1	30.0
500.0	-3.7	7.0	4.9	1.2	-28.2	30.0
550.0	-3.8	7.5	5.4	1.6	-29.5	31.7
600.0	-3.7	7.0	4.9	1.1	-31.6	33.4
650.0	-4.0	6.9	4.8	0.8	-32.4	33.8
700.0	-4.2	6.5	4.4	0.2	-32.2	33.1
750.0	-4.2	7.2	5.1	0.8	-31.3	32.8
800.0	-4.3	7.1	5.0	0.7	-34.4	35.7
850.0	-4.6	6.7	4.6	0.0	-36.3	36.9
867.8	-4.4	6.6	4.5	0.0	-36.3	37.1
900.0	-4.6	7.0	4.9	0.3	-35.7	36.6
950.0	-4.6	7.7	5.6	0.9	-34.9	36.5
1000.0	-4.7	7.0	4.9	0.2	-34.7	35.6
1000.1	-4.6	4.3		-0.3	-36.3	36.7
1500.0	-5.6	6.9		1.3	-39.1	41.2
2000.0	-6.2	7.1		0.9	-44.3	46.1
2500.0	-6.6	7.6		1.0	-45.1	46.9
3000.0	-6.8	7.7		0.9	-46.5	48.3
3500.0	-7.6	7.8		0.2	-50.3	51.4
4000.0	-8.2	7.9		-0.3	-52.8	53.4
4500.0	-9.0	9.0		0.0	-55.9	57.0
5000.0	-9.5	8.9		-0.6	-54.7	55.1

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
06/25/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

Comment:

- TX mode f= 72.550 Mhz

- EUT in vertical position

Detector:
Peak

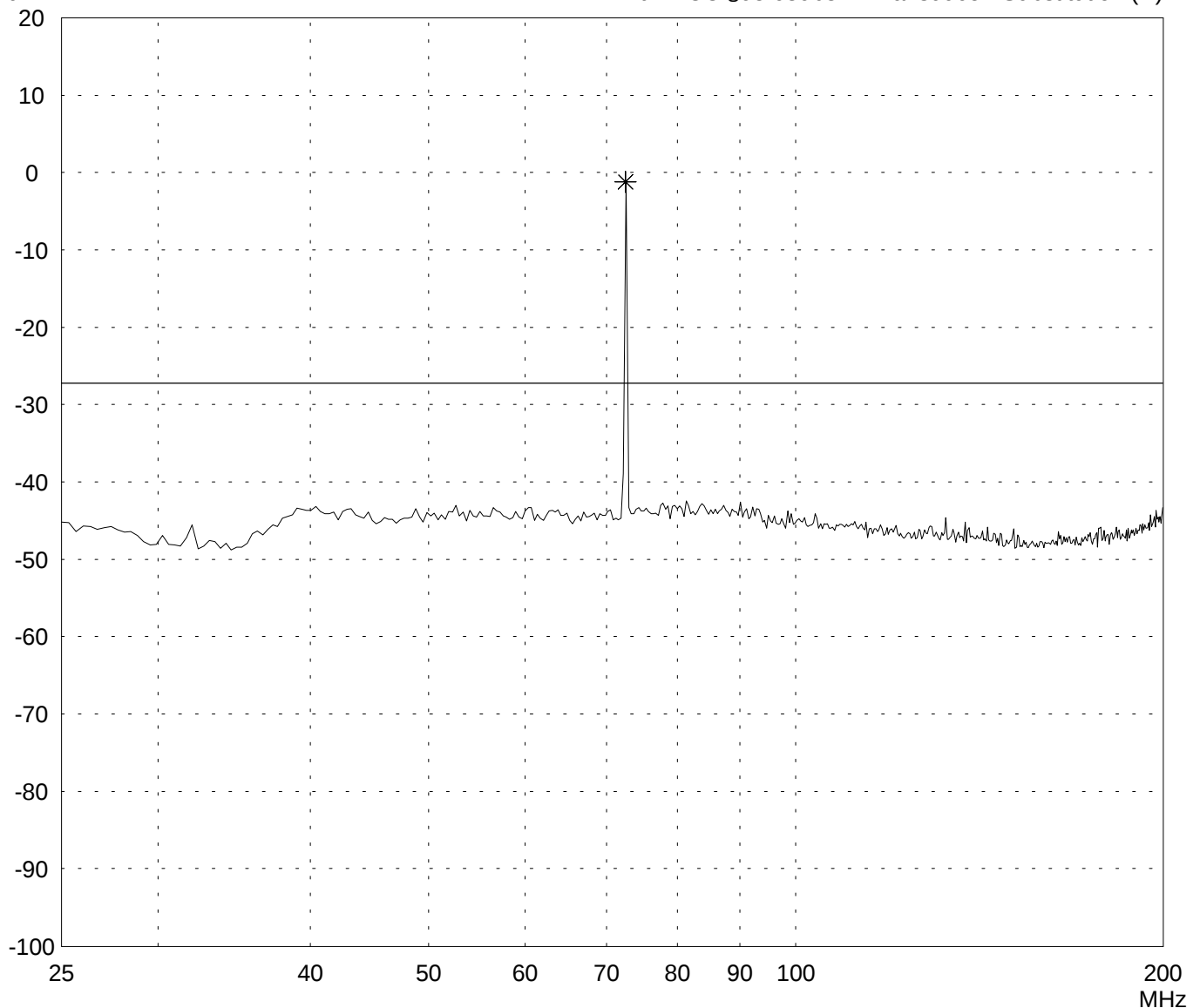
List of values:

Selected by hand

dBm

Limit1: FCC §95.639b3

Transducer: Substitution (H)



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz	
Serial no.: 001	
Applicant: Futaba Corporation	
Test site: Fully anechoic room	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 06/25/2002	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Comment:

- TX mode $f = 72.550 \text{ Mhz}$
- EUT in vertical position

Detector:
Peak

List of values:

Selected by hand

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
72.550000	-26.73	25.51	-1.22	-27.25	*

Result:	Limit kept
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Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz
acc. to FCC Part 95 Subpart C/E

Model:

T4YBF 72 MHz

Serial no.:

001

Applicant:

Futaba Corporation

Test site:

Fully anechoic room

Tested on:

Test distance 3 meters
Horizontal Polarization

Date of test:

06/25/2002

Operator:

T. Eberl

Test performed:

automatically

File name:

default.emi

Comment:

- TX mode f= 72.550 Mhz

- EUT in horizontal position (rear side on table)

Detector:

Peak

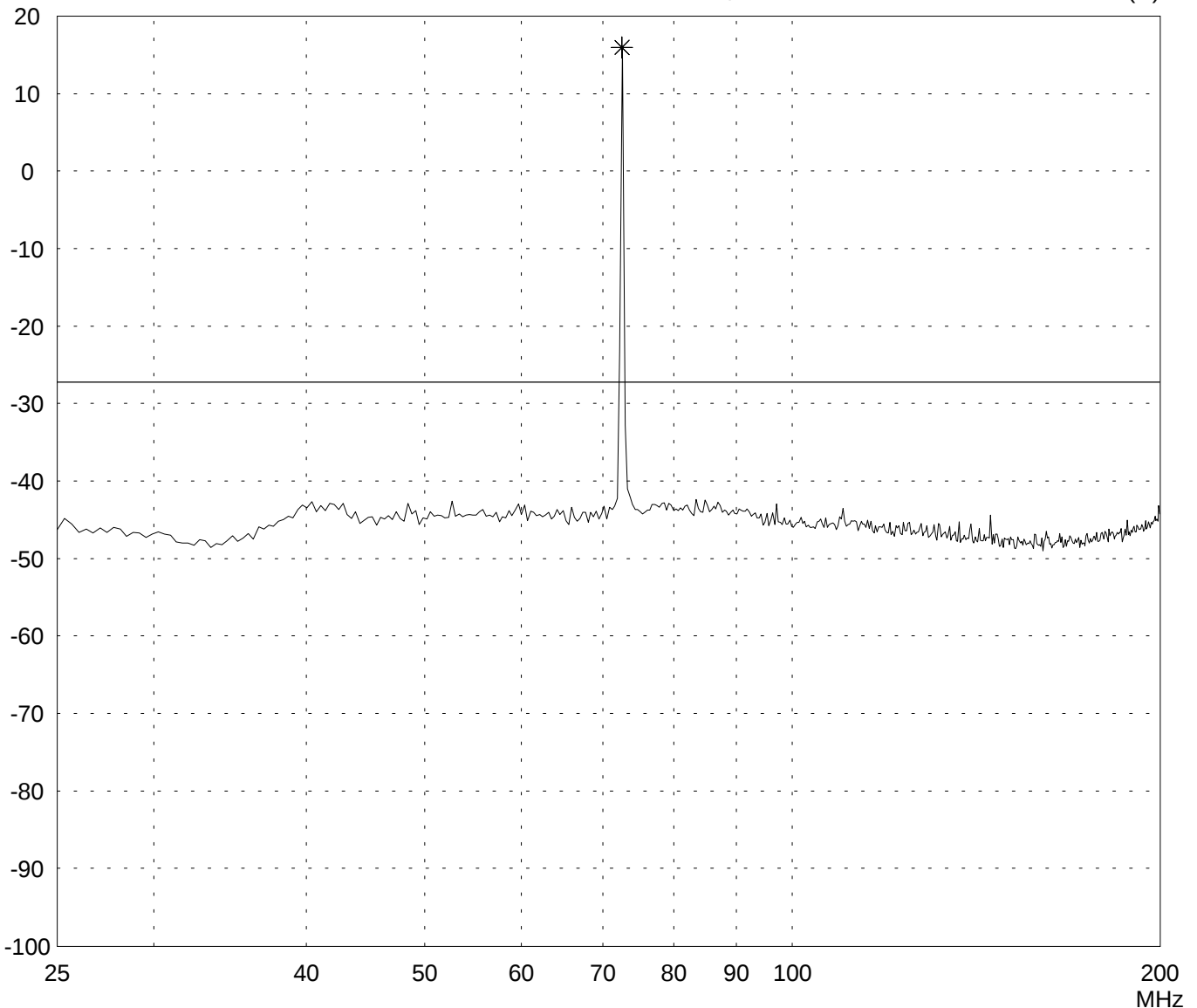
List of values:

Selected by hand

dBm

Limit1: FCC §95.639b3

Transducer: Substitution (H)



Result:

Limit kept

Project file:

55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz	
Serial no.: 001	
Applicant: Futaba Corporation	
Test site: Fully anechoic room	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 06/25/2002	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Comment:

- TX mode $f = 72.550 \text{ Mhz}$
- EUT in horizontal position (rear side on table)

Detector:
Peak

List of values:
Selected by hand

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
72.550000	-9.54	25.51	15.97	-27.25	*

Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz
acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
06/25/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

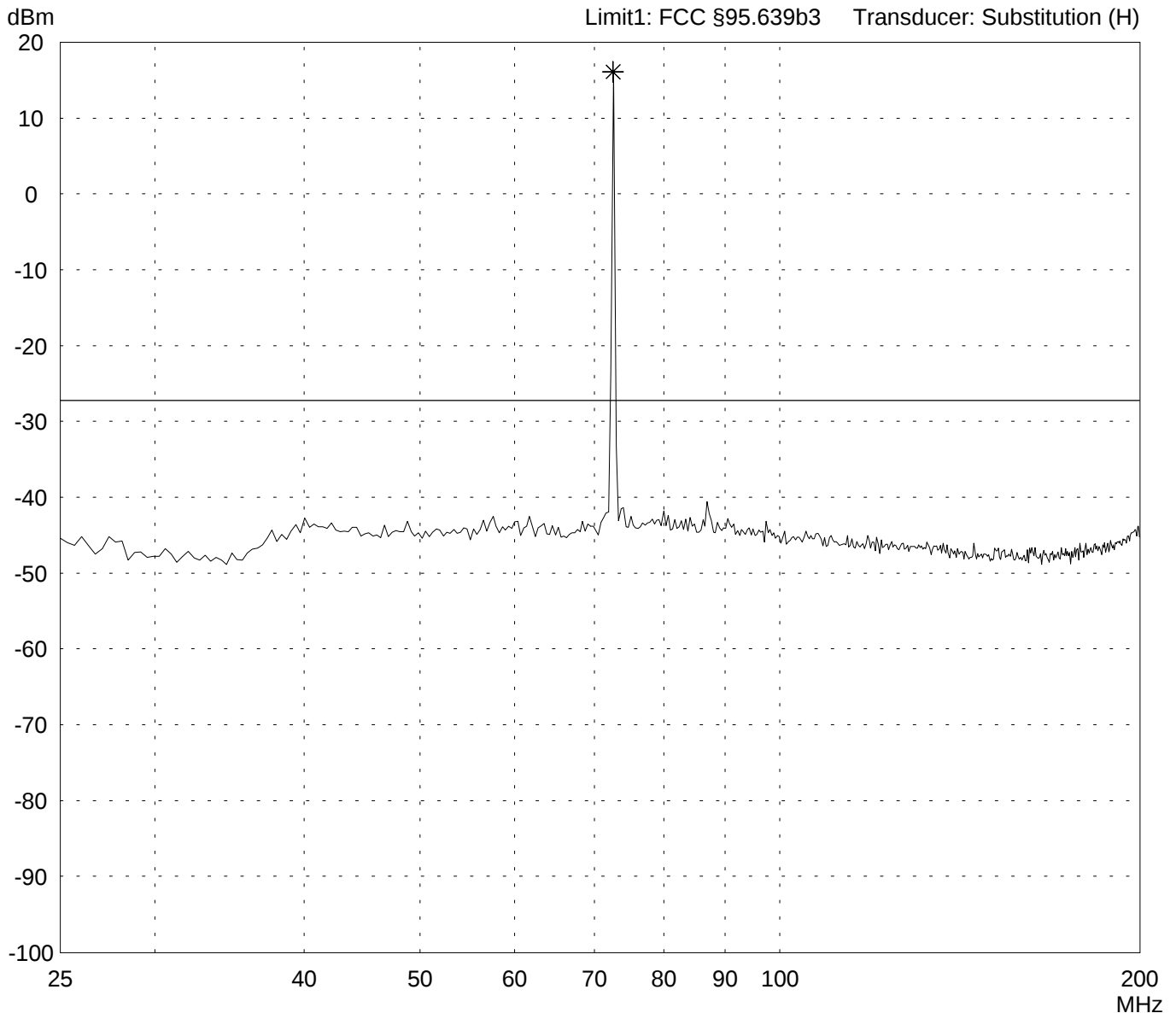
Comment:

- TX mode f= 72.550 Mhz

- EUT in horizontal position (right side on table)

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz	
Serial no.: 001	
Applicant: Futaba Corporation	
Test site: Fully anechoic room	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: 06/25/2002	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Comment:

- TX mode $f = 72.550 \text{ Mhz}$
- EUT in horizontal position (right side on table)

Detector:
Peak

List of values:
Selected by hand

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
72.550000	-9.38	25.51	16.14	-27.25	*

Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
06/19/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

Comment:

- TX mode f= 72.550 MHz

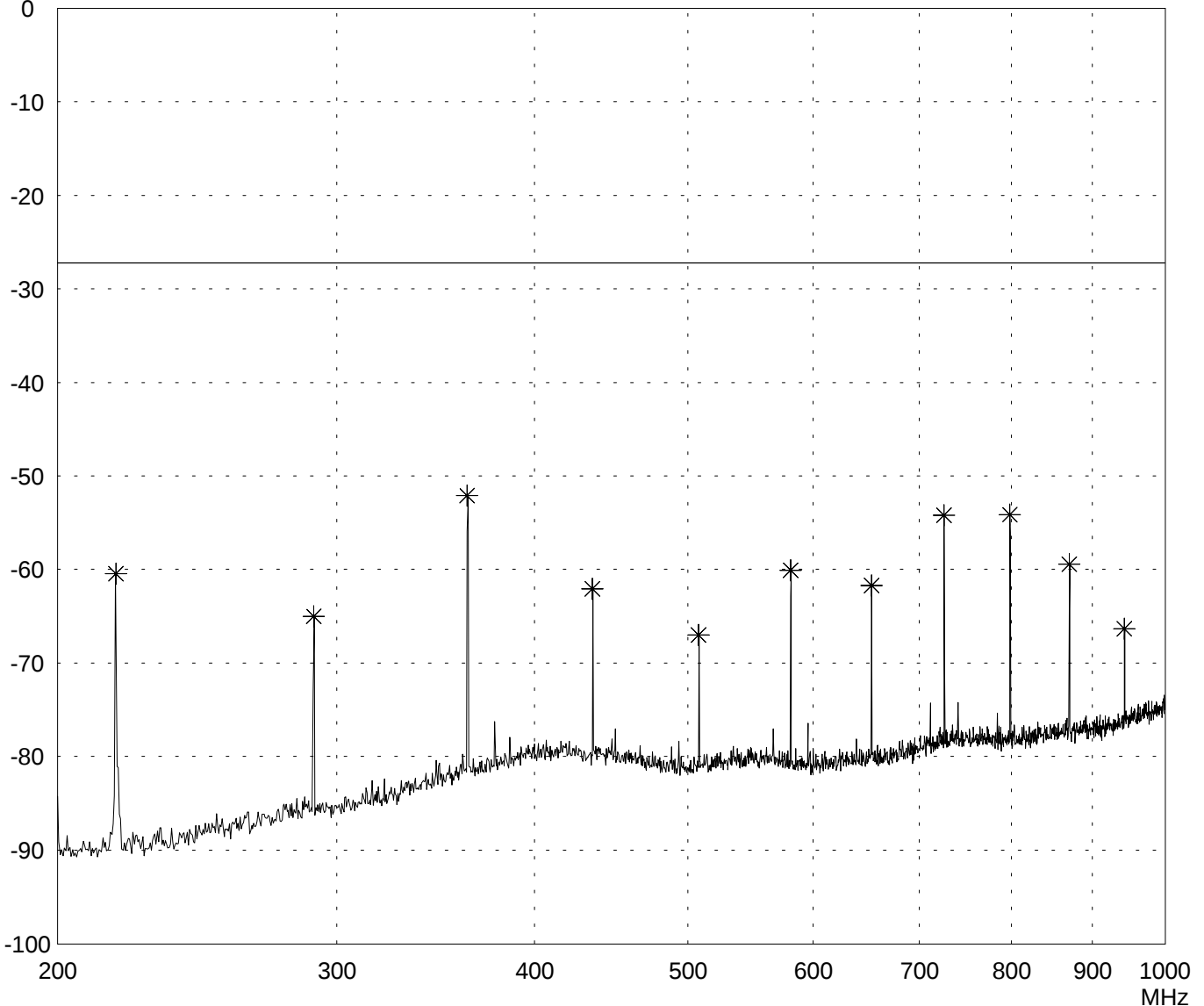
- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand

dBm
0

Limit1: FCC §95.639b3 Transducer: Substitution (H)



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in vertical position
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
217.650000	-80.83	20.37	-60.46	-27.25	
290.200000	-89.11	24.06	-65.05	-27.25	
362.750000	-79.92	27.82	-52.10	-27.25	
435.300000	-91.64	29.56	-62.08	-27.25	
507.850000	-95.65	28.61	-67.03	-27.25	
580.400000	-89.30	29.21	-60.09	-27.25	
652.950000	-91.50	29.75	-61.74	-27.25	
725.500000	-85.30	31.07	-54.23	-27.25	
798.050000	-85.73	31.60	-54.13	-27.25	
870.600000	-92.10	32.67	-59.43	-27.25	
943.150000	-100.37	34.03	-66.34	-27.25	

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
06/19/2002

Operator:
T. Eberl

Test performed:
automatically

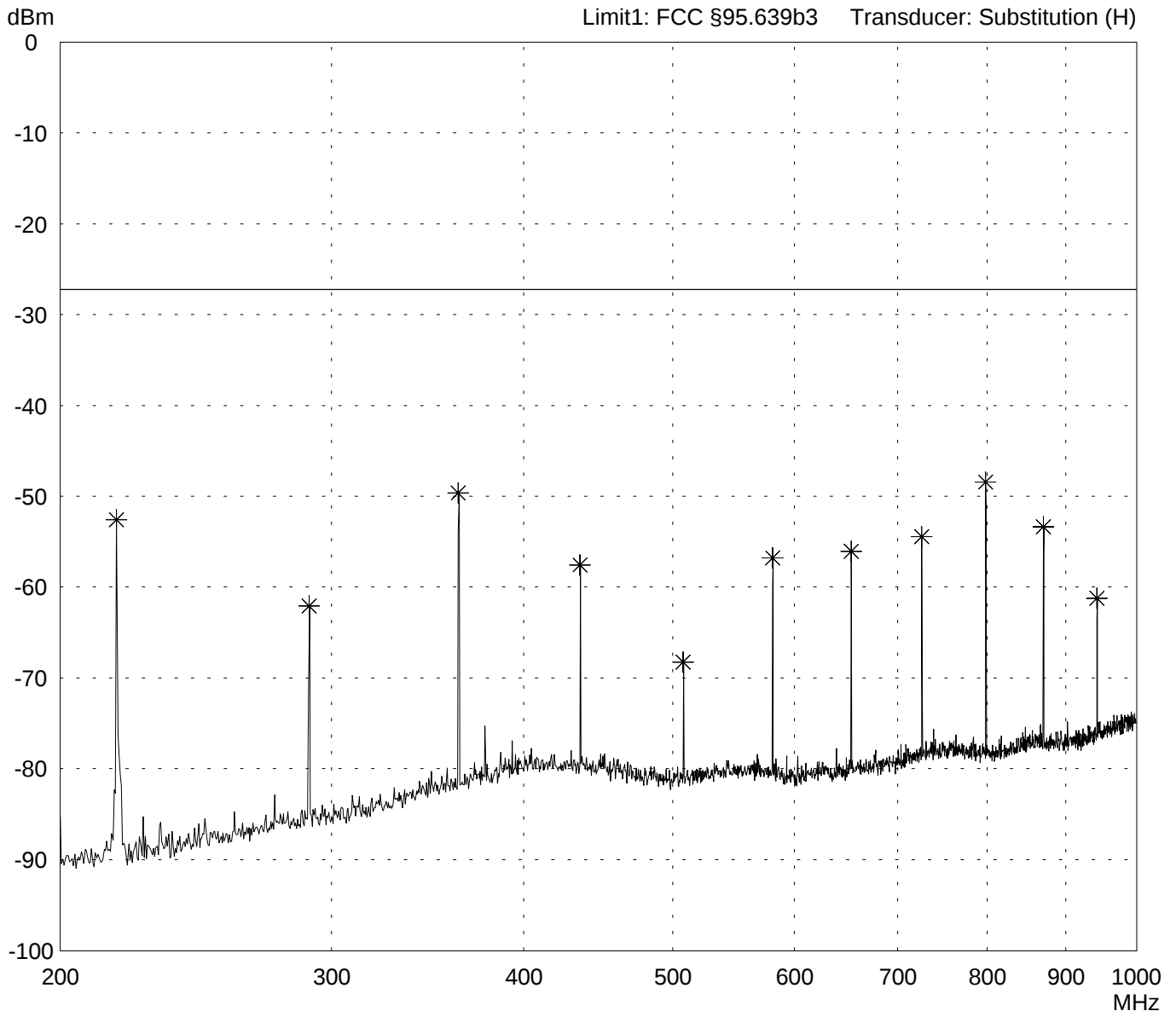
File name:
default.emi

Comment:

- TX mode f= 72.550 MHz
- EUT in horizontal position (rear side on table)

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in horizontal position (rear side on table)
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
217.600000	-72.94	20.37	-52.58	-27.25	
290.200000	-86.11	24.06	-62.05	-27.25	
362.750000	-77.49	27.82	-49.67	-27.25	
435.300000	-87.13	29.56	-57.57	-27.25	
507.850000	-96.88	28.61	-68.26	-27.25	
580.400000	-85.99	29.21	-56.79	-27.25	
652.950000	-85.84	29.75	-56.08	-27.25	
725.500000	-85.49	31.07	-54.43	-27.25	
798.050000	-80.03	31.60	-48.43	-27.25	
870.600000	-86.04	32.67	-53.37	-27.25	
943.150000	-95.26	34.03	-61.23	-27.25	

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
**Test distance 3 meters
Horizontal Polarization**

Date of test:
06/19/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

Comment:

- TX mode f= 72.550 MHz

- EUT in horizontal position (right side on table)

Detector:
Peak

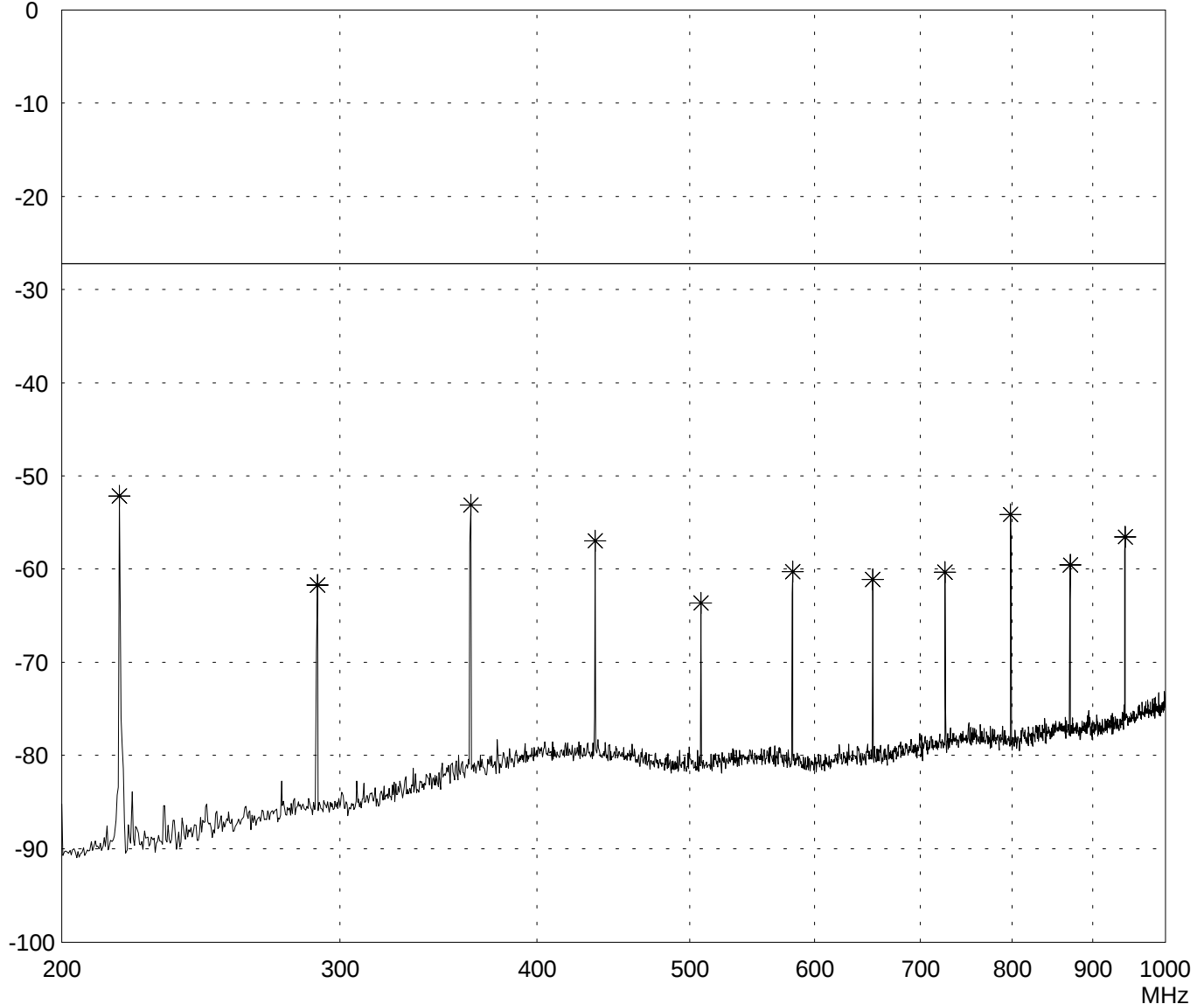
List of values:

Selected by hand

dBm
0

Limit1: FCC §95.639b3

Transducer: Substitution (H)



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
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Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in horizontal position (right side on table)
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
217.600000	-72.53	20.37	-52.17	-27.25	
290.400000	-85.79	24.06	-61.73	-27.25	
363.200000	-80.98	27.84	-53.15	-27.25	
435.600000	-86.54	29.56	-56.99	-27.25	
508.000000	-92.28	28.62	-63.67	-27.25	
580.800000	-89.50	29.20	-60.30	-27.25	
653.200000	-90.90	29.76	-61.14	-27.25	
725.600000	-91.43	31.07	-60.37	-27.25	
798.400000	-85.74	31.60	-54.15	-27.25	
870.800000	-92.20	32.67	-59.54	-27.25	
943.600000	-90.62	34.04	-56.58	-27.25	

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test:
06/25/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

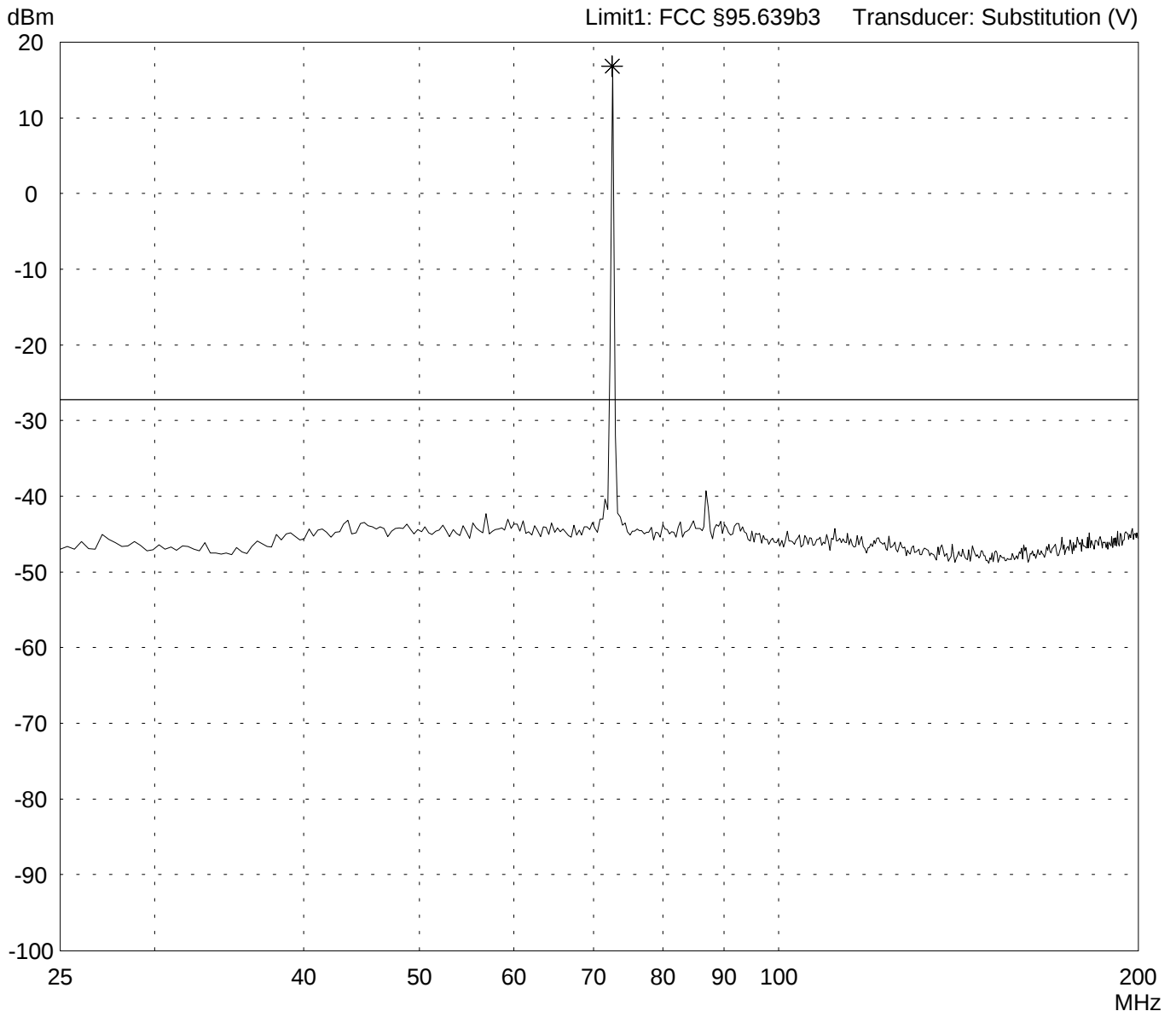
Comment:

- TX mode f= 72.550 Mhz

- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz	
Serial no.: 001	
Applicant: Futaba Corporation	
Test site: Fully anechoic room	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 06/25/2002	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Comment:

- TX mode $f = 72.550 \text{ MHz}$
- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
72.550000	-7.95	24.74	16.79	-27.25	*

Result:	
Limit kept	

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz
acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test:
06/25/2002

Operator:
T. Eberl

Test performed:
automatically

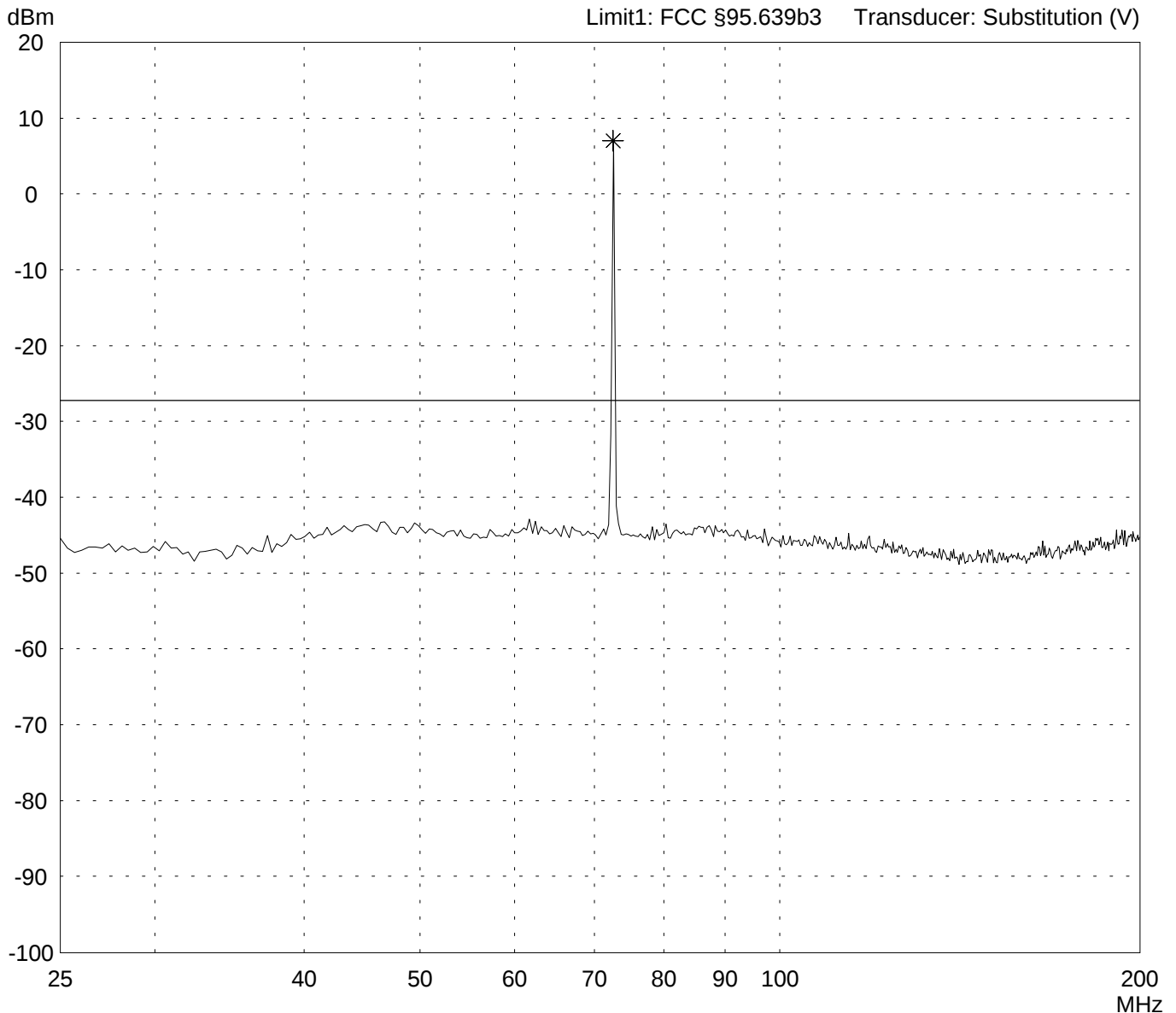
File name:
default.emi

Comment:

- TX mode f= 72.550 Mhz
- EUT in horizontal position (rear side on table)

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 Mhz - EUT in horizontal position (rear side on table)
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 06/25/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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Frequency [MHz]	Reading [dBm]	Correction factor [dB]	Value [dBm]	Limit [dBm]	Limit exceeded
72.550000	-17.72	24.74	7.02	-27.25	*

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 25 MHz - 200 MHz
acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test:
06/25/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

Comment:

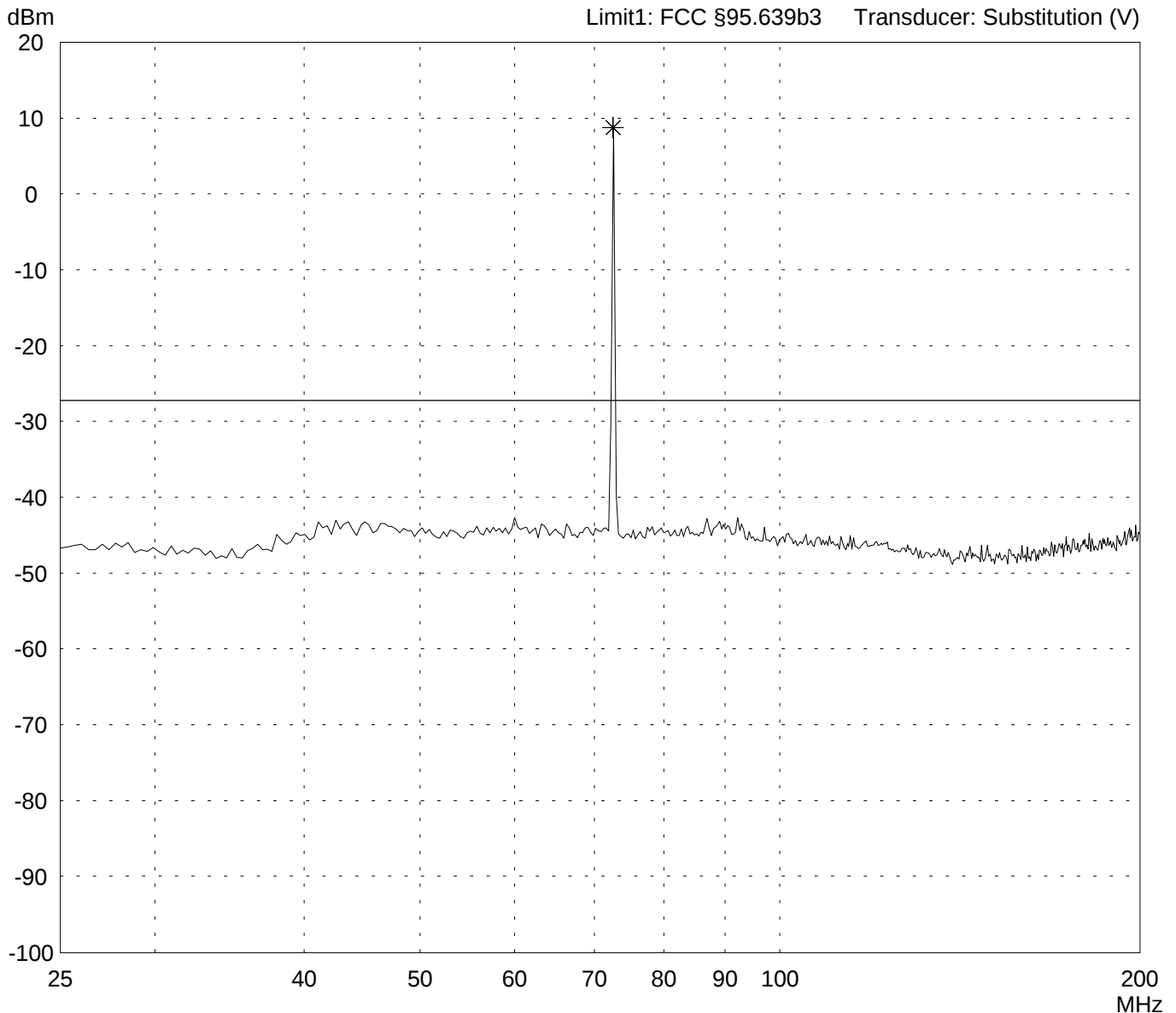
- TX mode f= 72.550 Mhz

- EUT in horizontal position (right side on table)

Detector:
Peak

List of values:

Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YBF 72 MHz	
Serial no.: 001	
Applicant: Futaba Corporation	
Test site: Fully anechoic room	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: 06/25/2002	Operator: T. Eberl
Test performed: automatically	File name: default.emi

Comment:

- TX mode $f = 72.550 \text{ MHz}$
- EUT in horizontal position (right side on table)

Detector:
Peak

List of values:
Selected by hand

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
72.550000	-16.01	24.74	8.74	-27.25	*

Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 06/19/2002
Operator: T. Eberl

Test performed: automatically
File name: default.emi

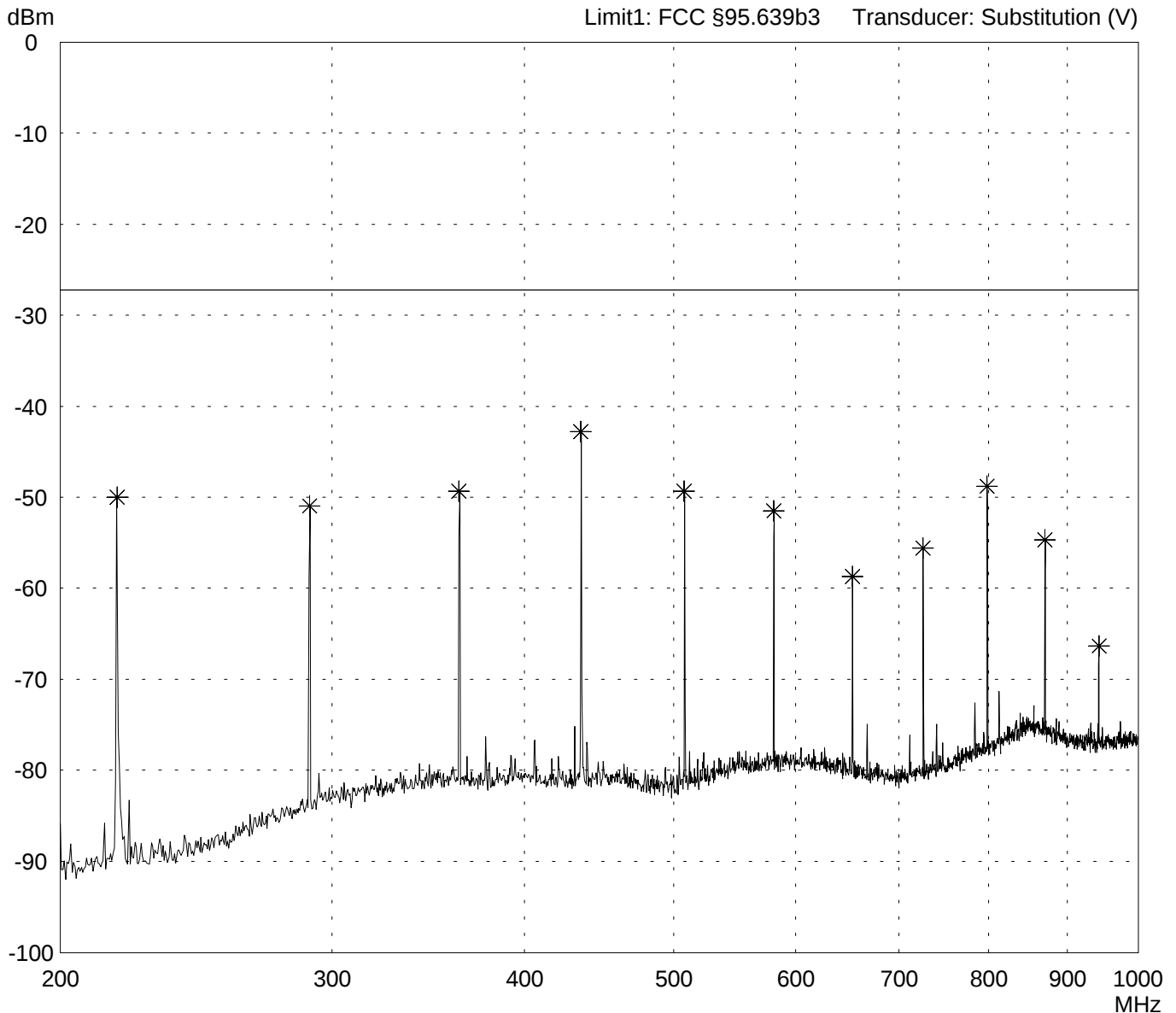
Comment:

- TX mode f= 72.550 MHz

- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in vertical position
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
217.650000	-69.87	19.84	-50.02	-27.25	
290.200000	-76.72	25.78	-50.94	-27.25	
362.750000	-77.60	28.24	-49.36	-27.25	
435.300000	-70.88	28.11	-42.77	-27.25	
507.850000	-77.46	28.12	-49.33	-27.25	
580.400000	-82.19	30.67	-51.52	-27.25	
652.950000	-88.68	29.94	-58.74	-27.25	
725.500000	-85.10	29.52	-55.58	-27.25	
798.050000	-81.22	32.41	-48.82	-27.25	
870.600000	-88.86	34.17	-54.69	-27.25	
943.600000	-99.58	33.21	-66.37	-27.25	

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test:
06/19/2002

Operator:
T. Eberl

Test performed:
automatically

File name:
default.emi

Comment:

- TX mode f= 72.550 MHz

- EUT in horizontal position (rear side on table)

Detector:
Peak

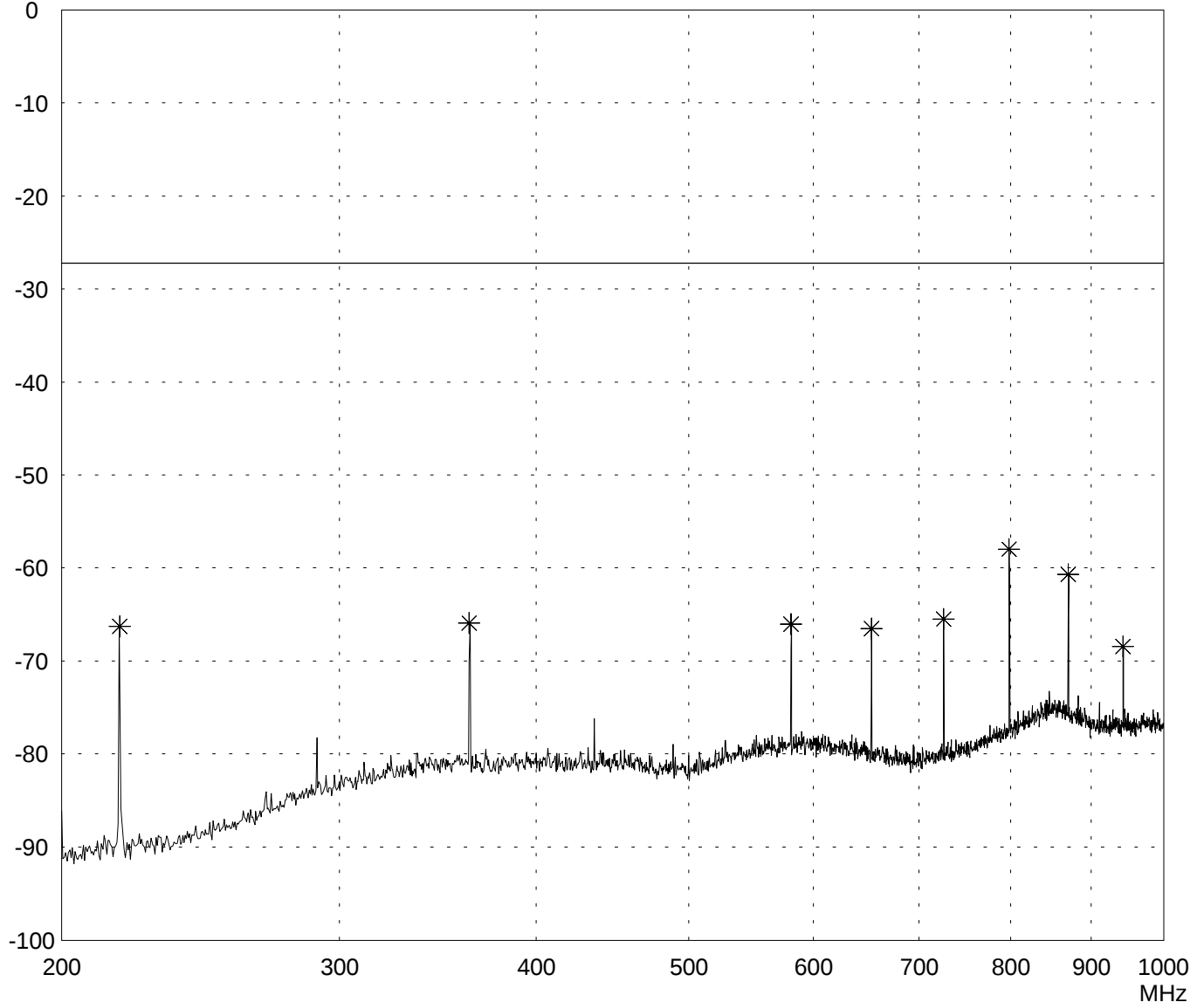
List of values:

Selected by hand

dBm
0

Limit1: FCC §95.639b3

Transducer: Substitution (V)



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in horizontal position (rear side on table)
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YBF 72 MHz

Serial no.:
001

Applicant:
Futaba Corporation

Test site:
Fully anechoic room

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 06/19/2002 Operator: T. Eberl

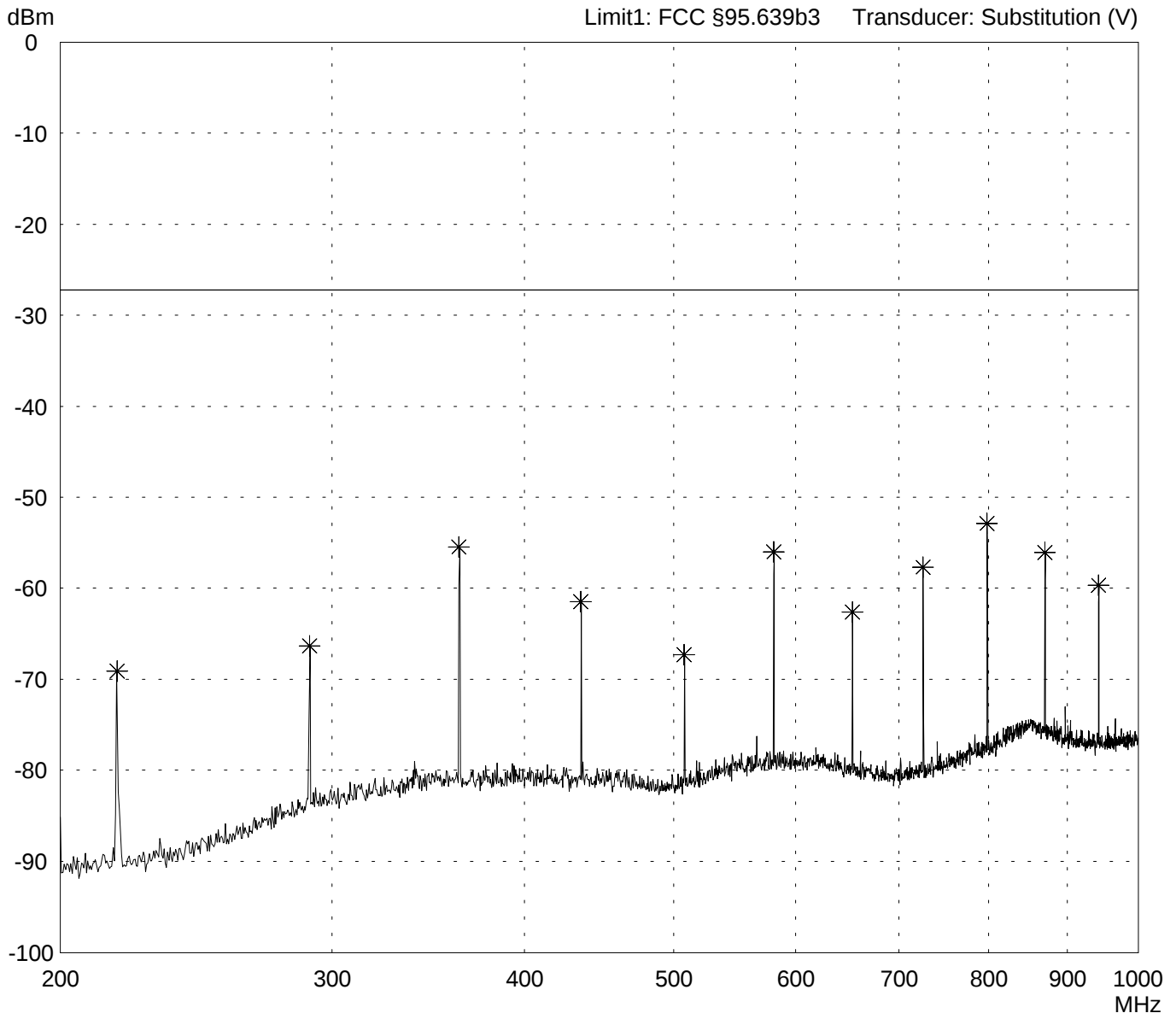
Test performed: automatically File name: default.emi

Comment:

- TX mode f= 72.550 MHz
- EUT in horizontal position (right side on table)

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-20364

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YBF 72 MHz		Comment: - TX mode f= 72.550 MHz - EUT in horizontal position (right side on table)
Serial no.: 001		
Applicant: Futaba Corporation		
Test site: Fully anechoic room		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 06/19/2002	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
217.650000	-88.97	19.84	-69.13	-27.25	
290.200000	-92.11	25.78	-66.33	-27.25	
362.750000	-83.69	28.24	-55.45	-27.25	
435.300000	-89.60	28.11	-61.49	-27.25	
507.850000	-95.44	28.12	-67.32	-27.25	
580.400000	-86.67	30.67	-56.00	-27.25	
652.950000	-92.58	29.94	-62.64	-27.25	
725.500000	-87.21	29.52	-57.69	-27.25	
798.050000	-85.29	32.41	-52.89	-27.25	
870.600000	-90.26	34.17	-56.09	-27.25	
943.150000	-92.86	33.21	-59.65	-27.25	

Result: Limit kept	Project file: 55503-20364
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

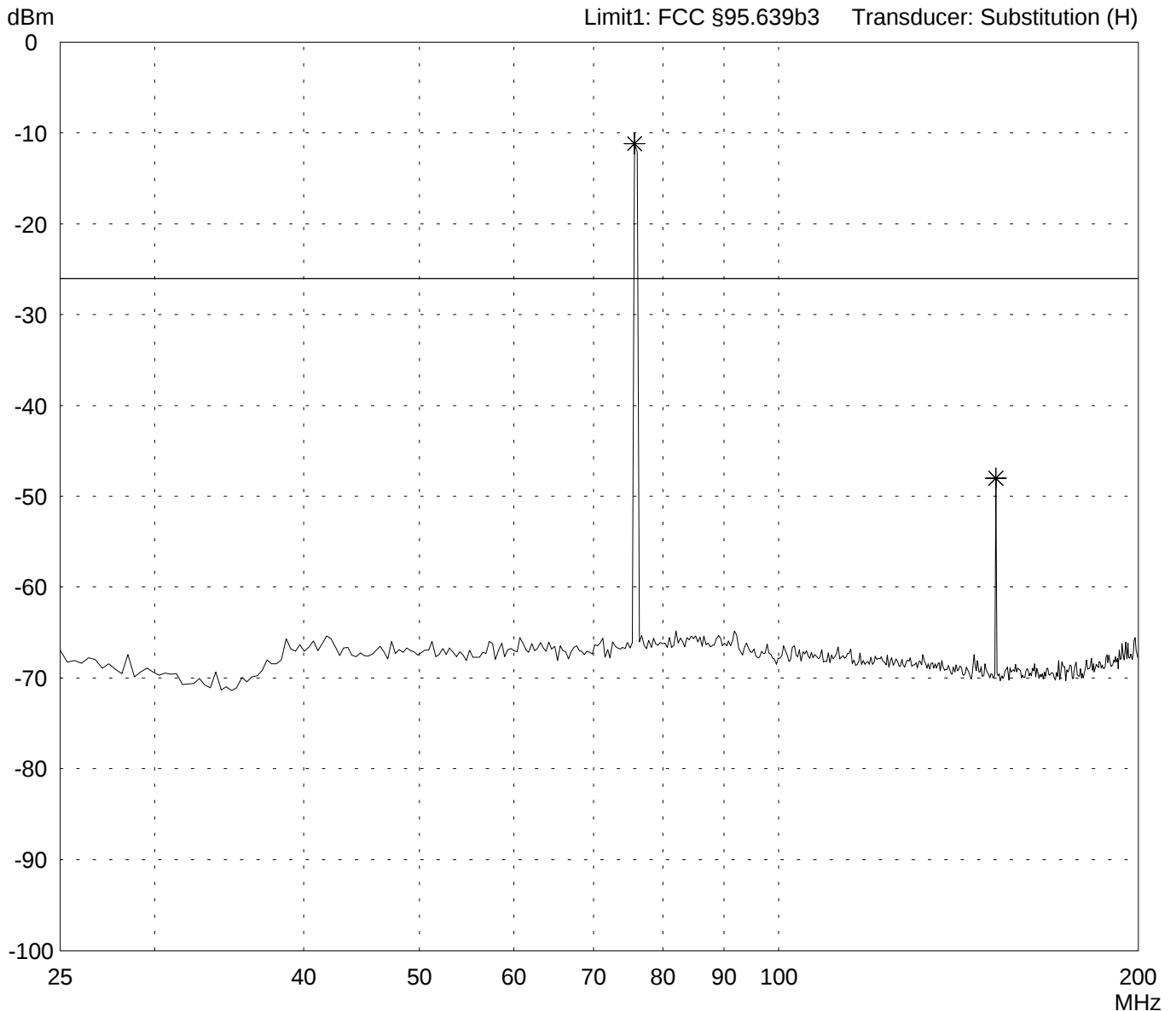
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.750000 152.050000	-37.64 -71.60	26.48 23.56	-11.16 -48.04	-26.00 -26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
04/02/2003

Operator:
T. Eberl

Test performed:
automatically

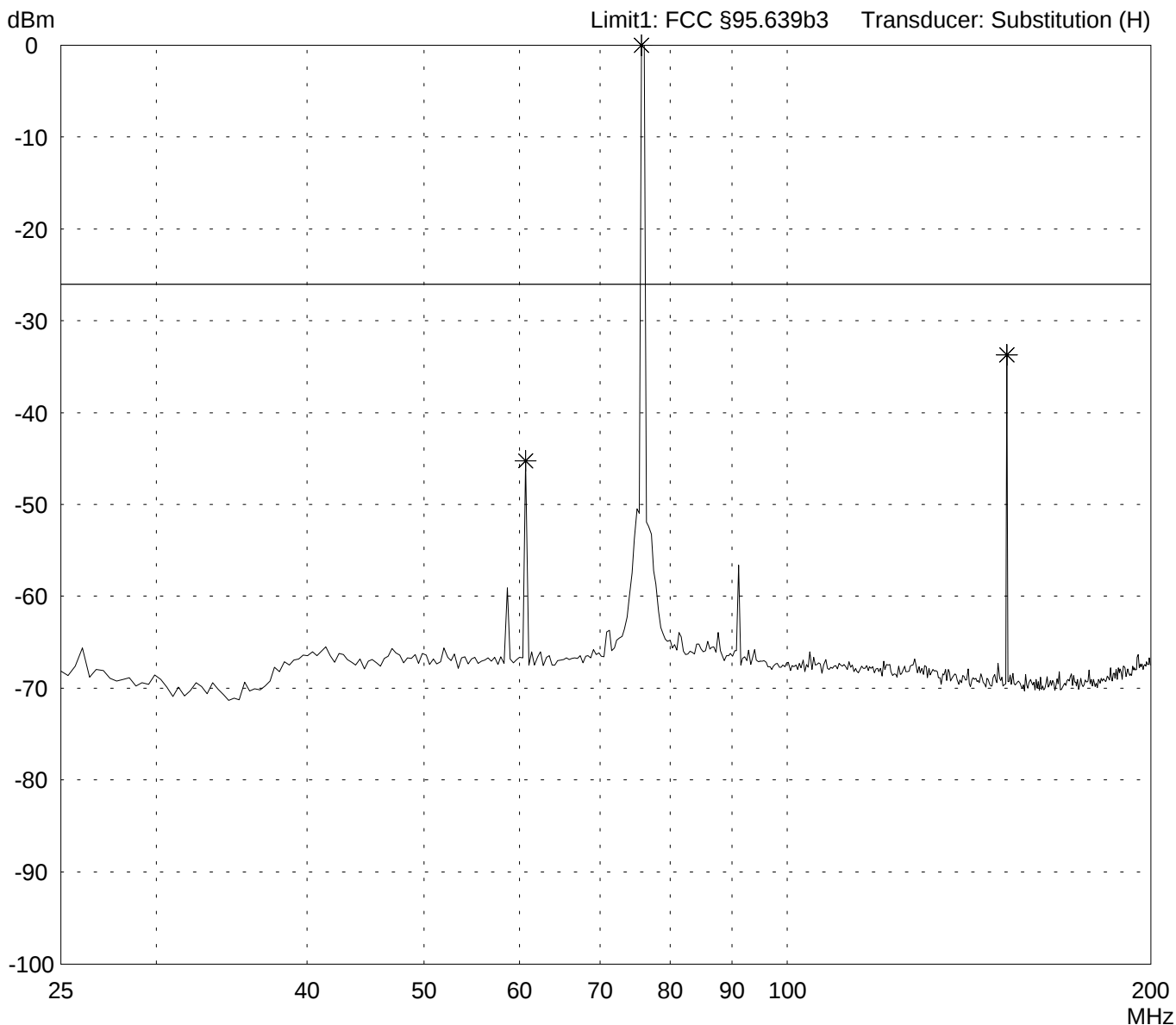
File name:
default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - rear side on table

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - rear side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test:
04/02/2003

Operator:
T. Eberl

Test performed:
automatically

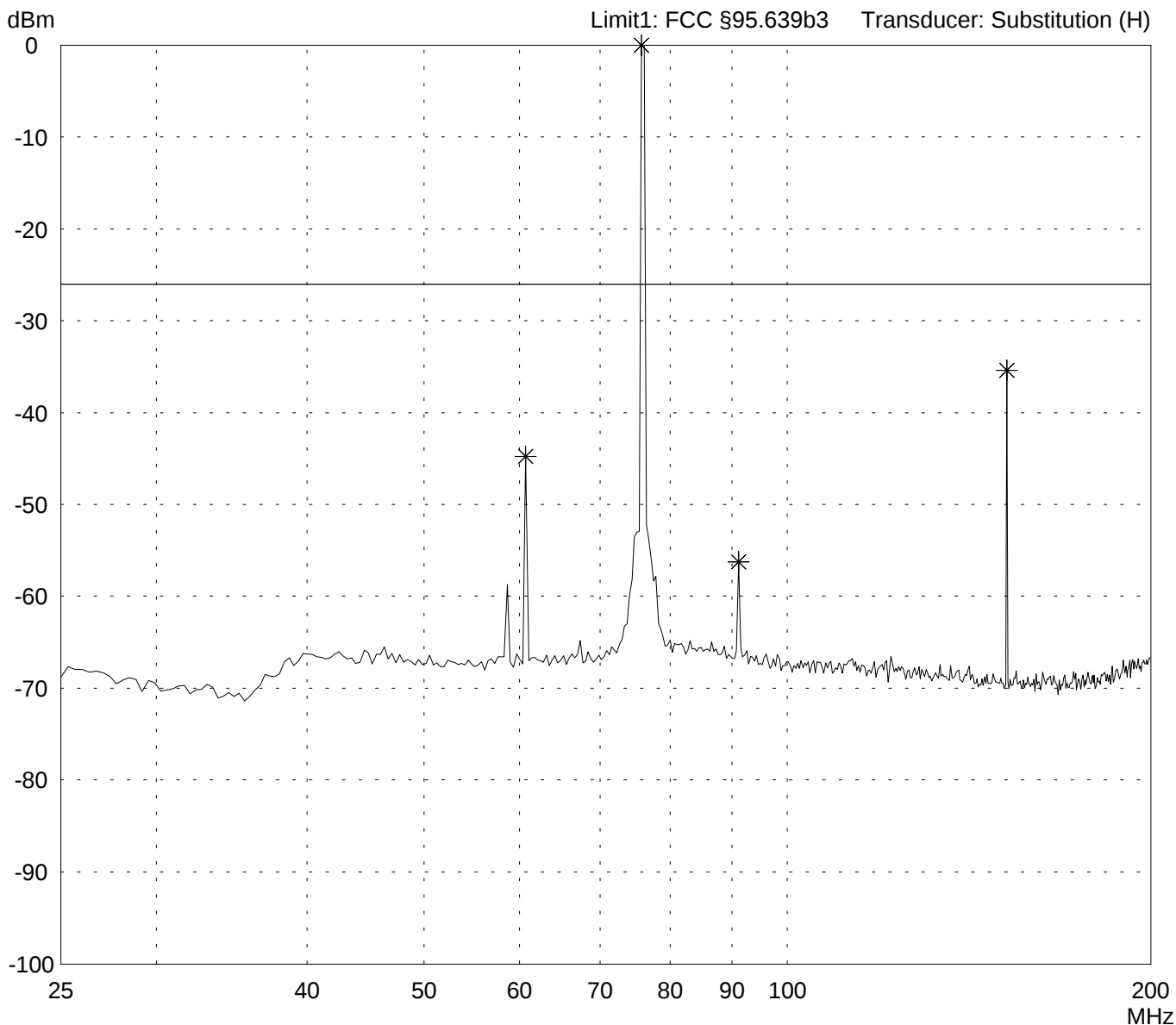
File name:
default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - right side on table

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - right side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

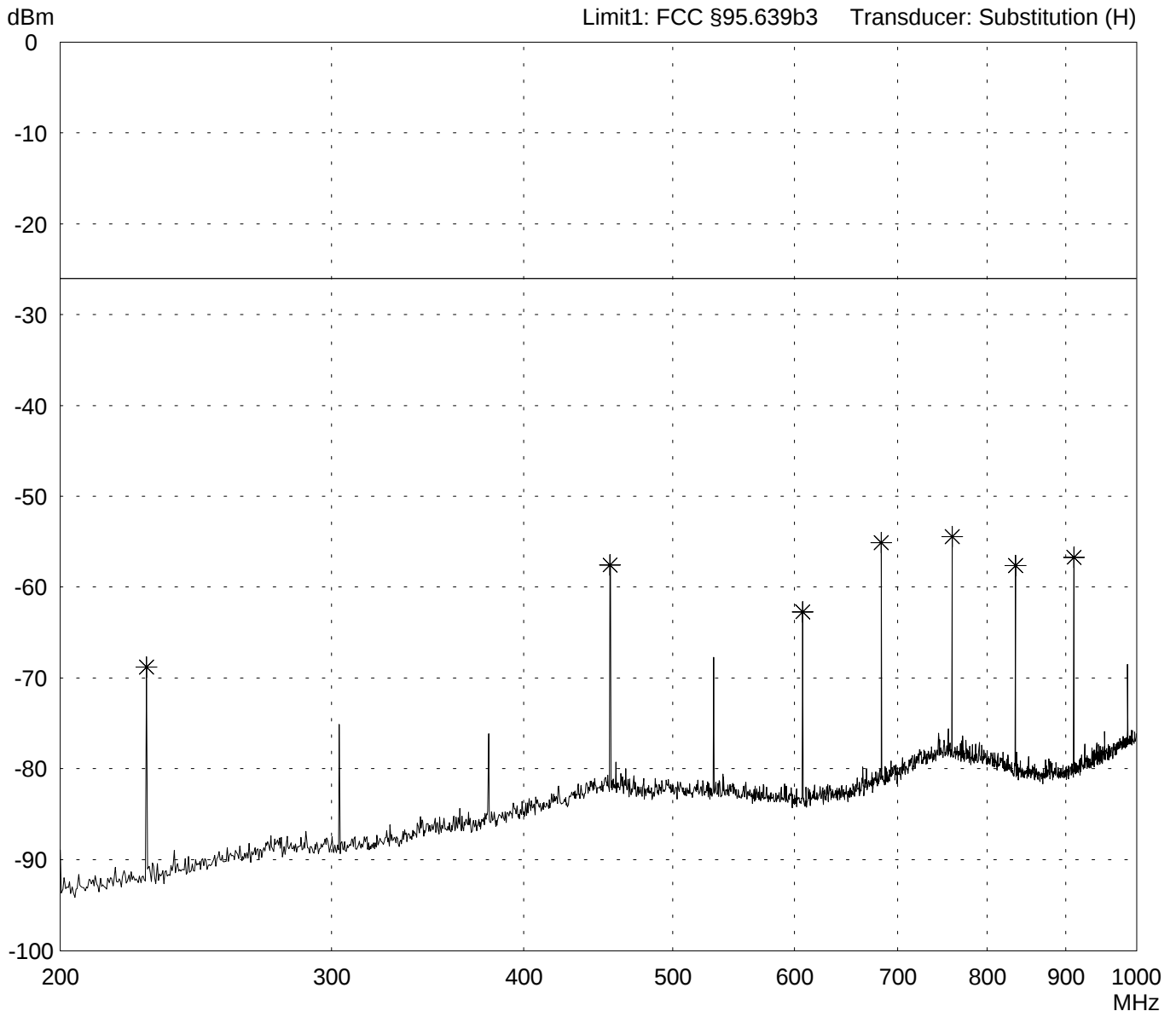
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

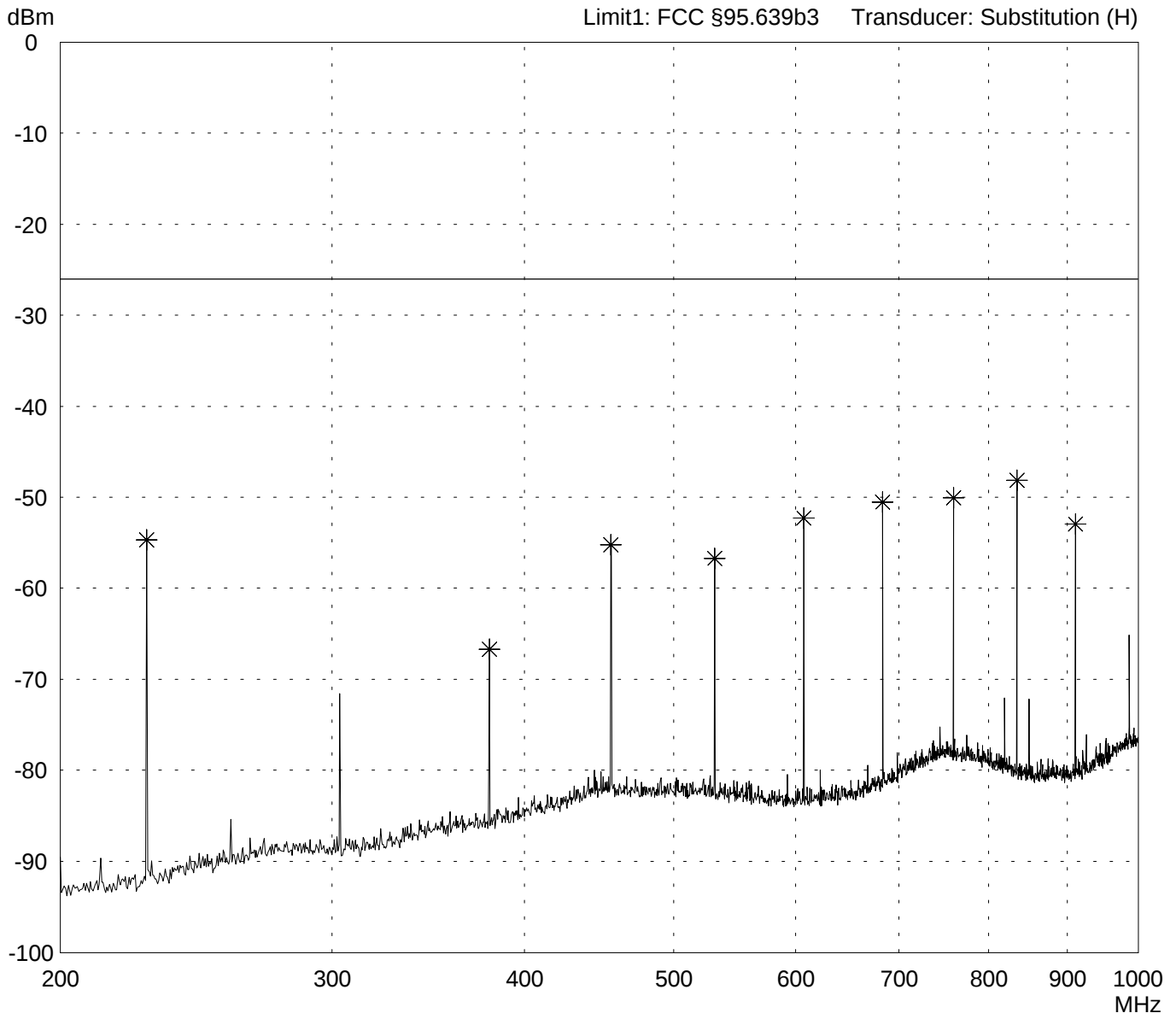
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position- rear side on table
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position- rear side on table - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
227.600000	-77.46	22.75	-54.71	-26.00	
379.600000	-95.63	28.95	-66.68	-26.00	
455.200000	-87.72	32.47	-55.25	-26.00	
531.600000	-88.51	31.78	-56.73	-26.00	
607.200000	-83.14	30.85	-52.29	-26.00	
683.200000	-83.71	33.18	-50.53	-26.00	
759.200000	-86.08	36.02	-50.06	-26.00	
834.800000	-82.52	34.37	-48.15	-26.00	
910.800000	-87.45	34.52	-52.93	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

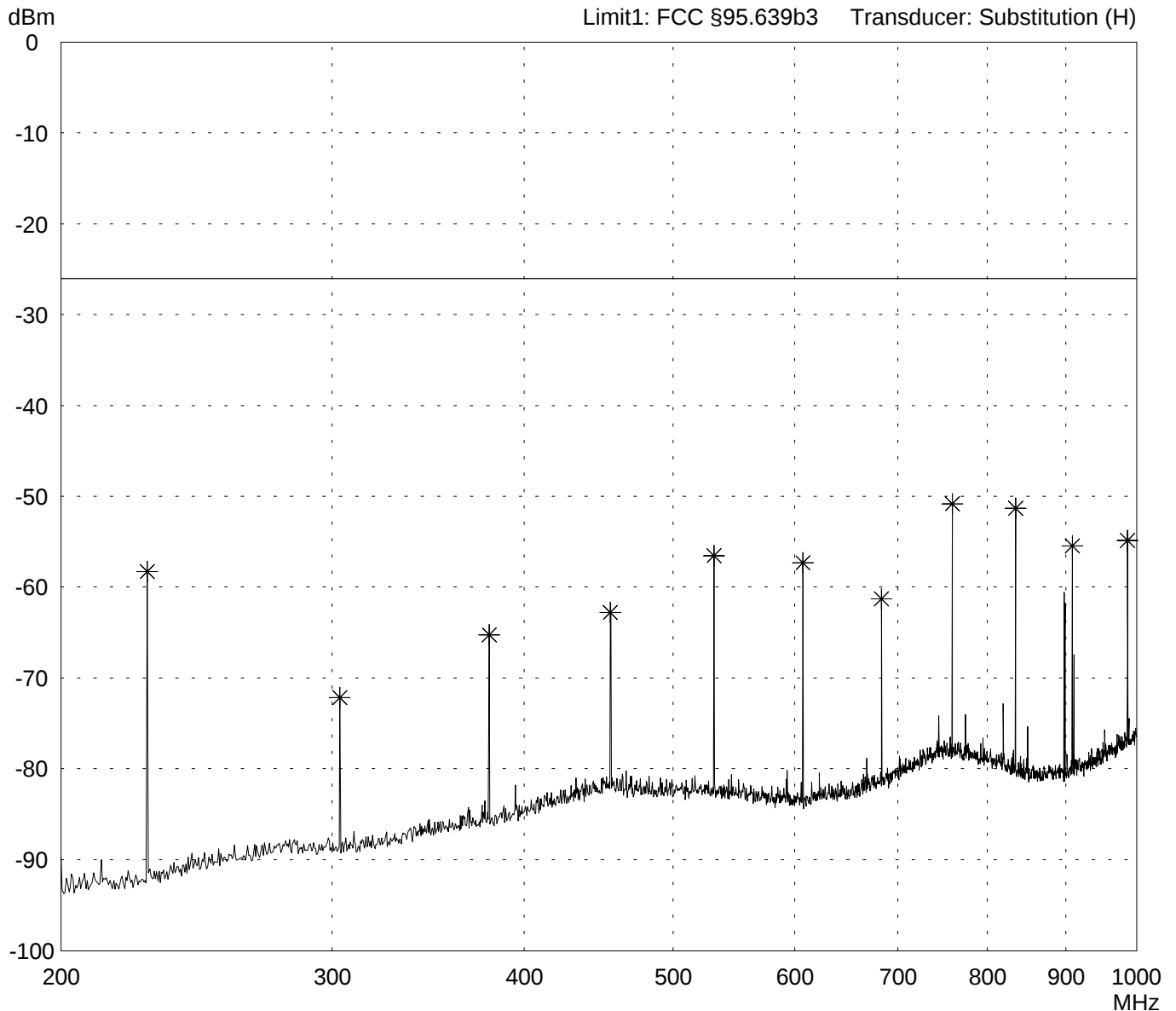
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position- right side on table
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position- right side on table - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
227.600000	-81.04	22.75	-58.28	-26.00	
303.600000	-98.00	25.83	-72.17	-26.00	
379.600000	-94.20	28.95	-65.25	-26.00	
455.200000	-95.27	32.47	-62.80	-26.00	
531.600000	-88.31	31.78	-56.53	-26.00	
607.200000	-88.20	30.85	-57.35	-26.00	
683.200000	-94.48	33.18	-61.30	-26.00	
759.200000	-86.86	36.02	-50.83	-26.00	
834.800000	-85.70	34.37	-51.33	-26.00	
908.800000	-89.92	34.44	-55.48	-26.00	
987.200000	-92.19	37.35	-54.84	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003 Operator: T. Eberl

Test performed: automatically File name: default.emi

Comment:

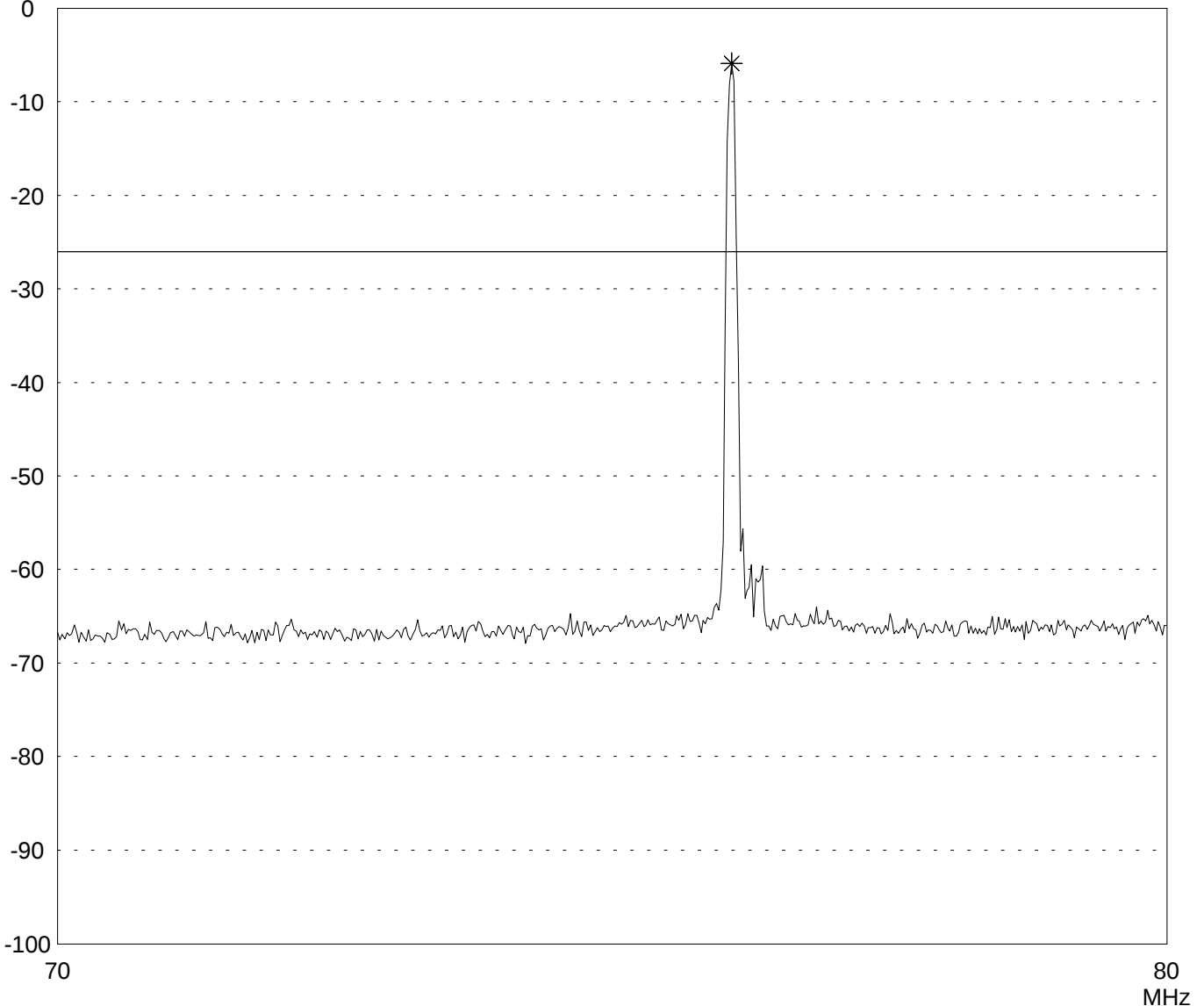
- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position

Detector:
Peak

List of values:
10 dB Margin 8 Subranges

dBm
0

Limit1: FCC §95.639b3 Transducer: Substitution (H)



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector:	List of values:
Peak	10 dB Margin 8 Subranges

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.920000	-32.39	26.49	-5.90	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

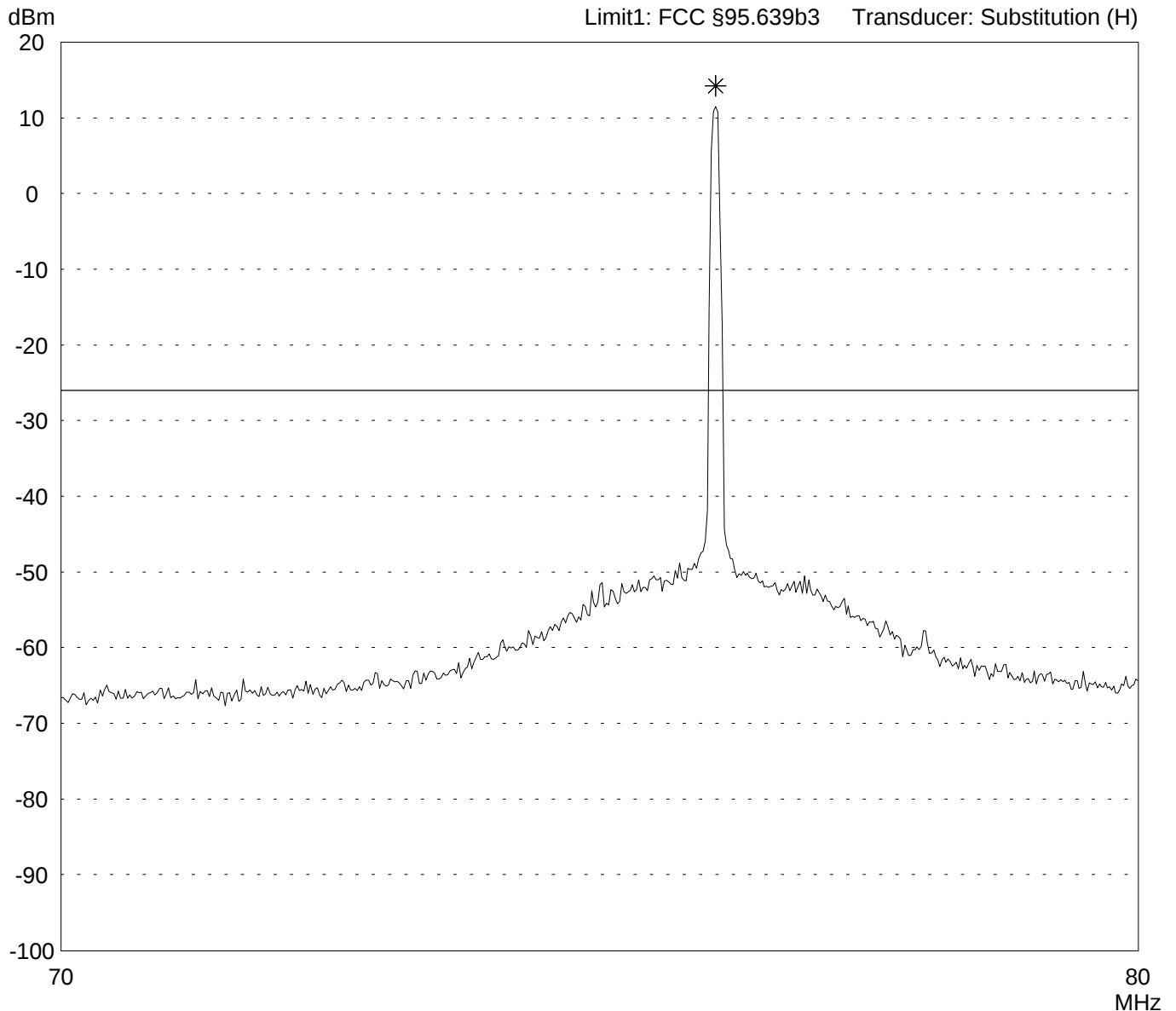
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - rear side on table

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - rear side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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Frequency [MHz]	Reading [dBm]	Correction factor [dB]	Value [dBm]	Limit [dBm]	Limit exceeded
75.920000	-12.25	26.49	14.24	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Horizontal Polarization

Date of test: 04/02/2003
Operator: T. Eberl

Test performed: automatically
File name: default.emi

Comment:

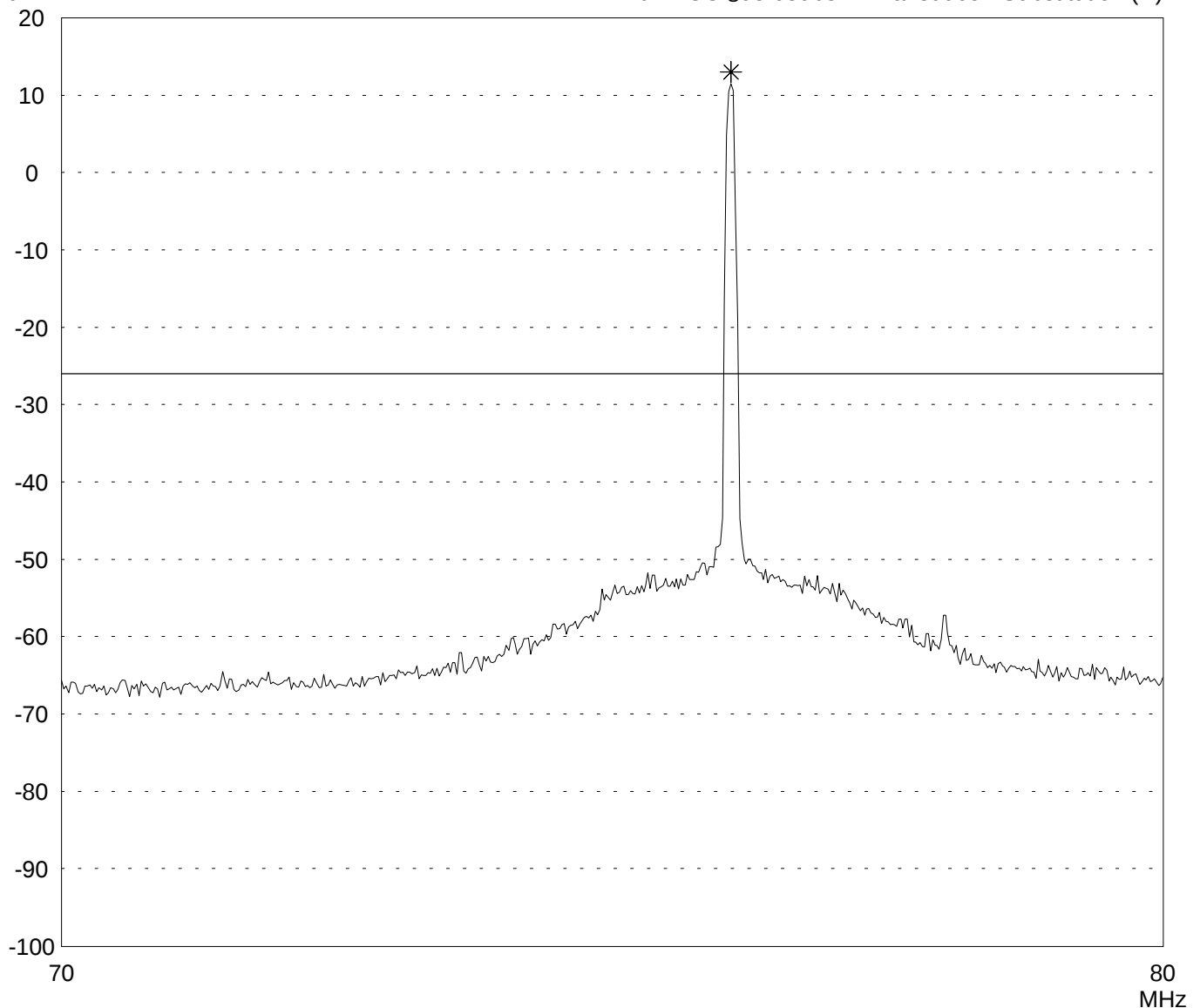
- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - right side on table

Detector:
Peak

List of values:
Selected by hand

dBm

Limit1: FCC §95.639b3 Transducer: Substitution (H)



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - right side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Horizontal Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.920000	-13.48	26.49	13.01	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

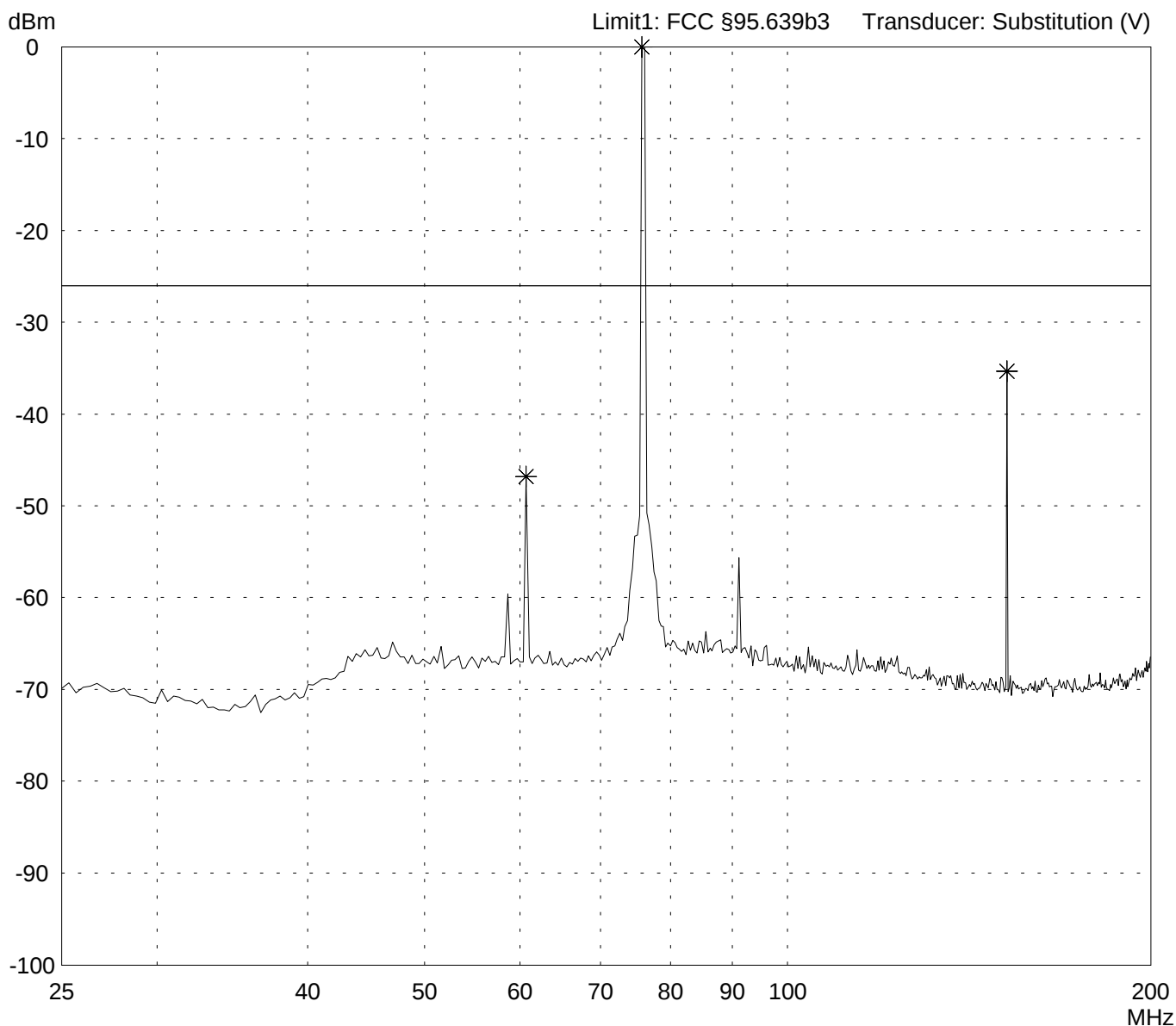
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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Frequency [MHz]	Reading [dBm]	Correction factor [dB]	Value [dBm]	Limit [dBm]	Limit exceeded
60.700000	-73.17	26.36	-46.81	-26.00	
75.750000	-15.36	25.99	10.63	-26.00	
152.050000	-58.44	23.10	-35.34	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

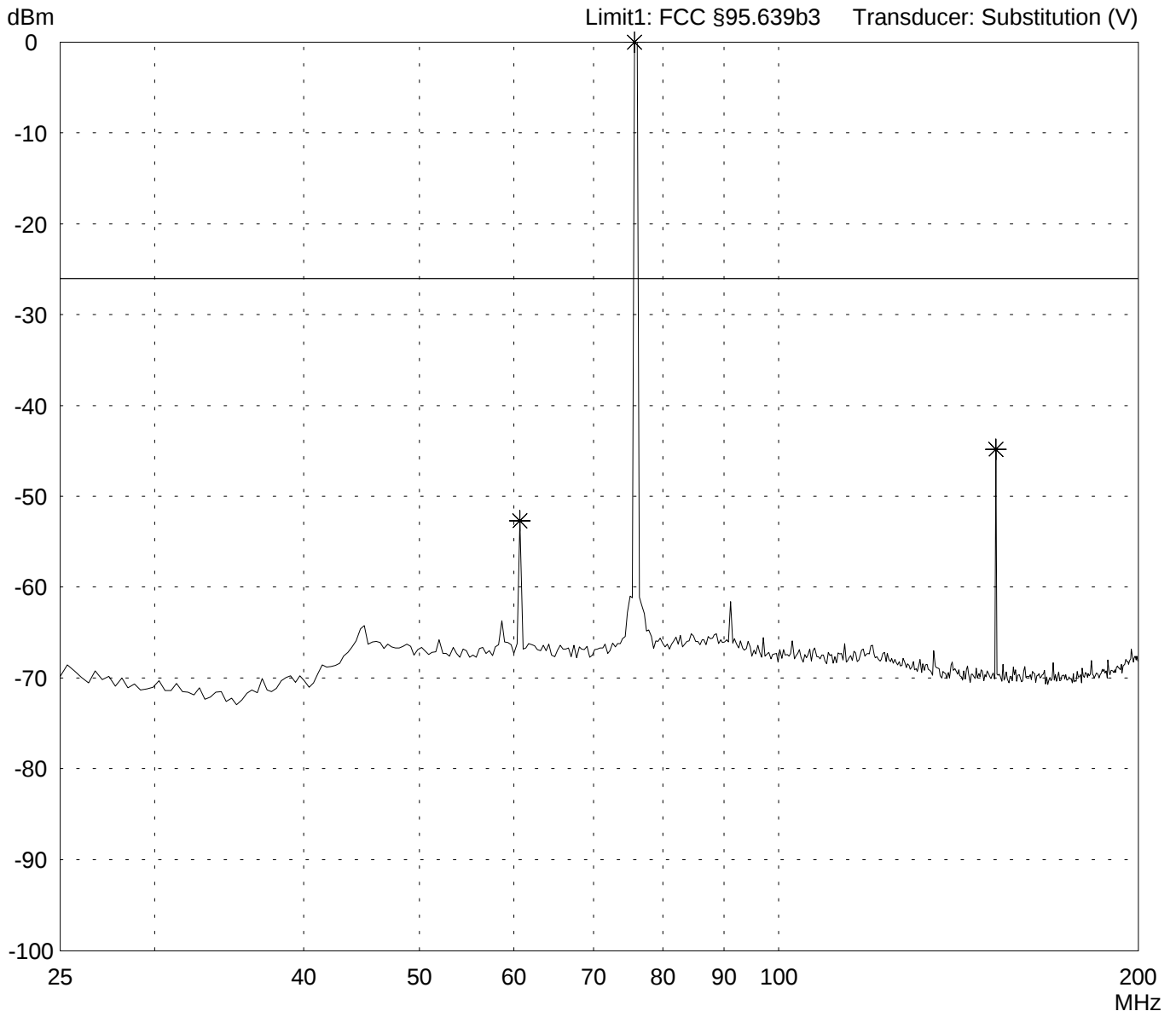
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - rear side on table

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - rear side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

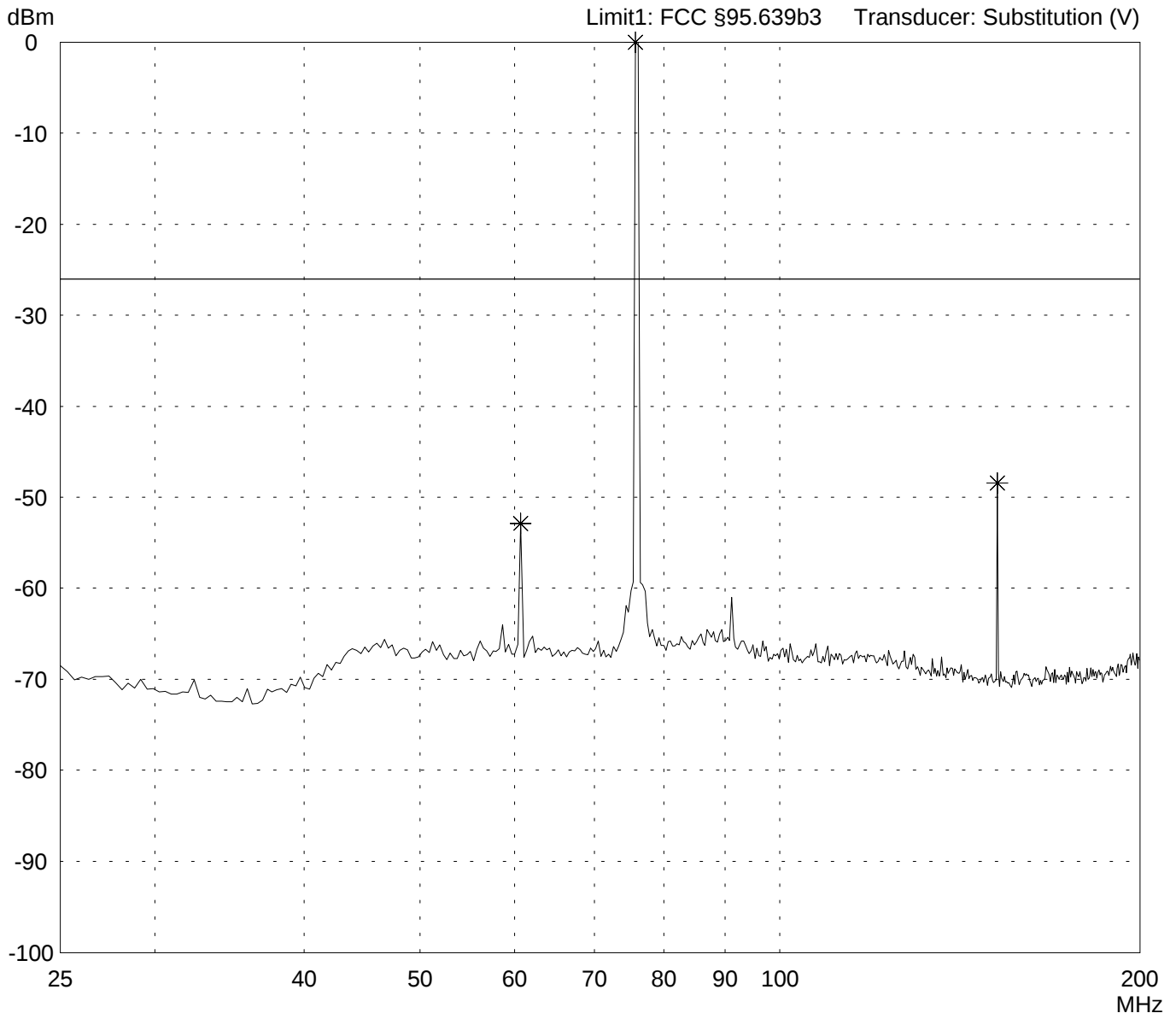
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - right side on table

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 25 MHz - 200 MHz acc. to FCC Part 95 Subpart C/E

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - right side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
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Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

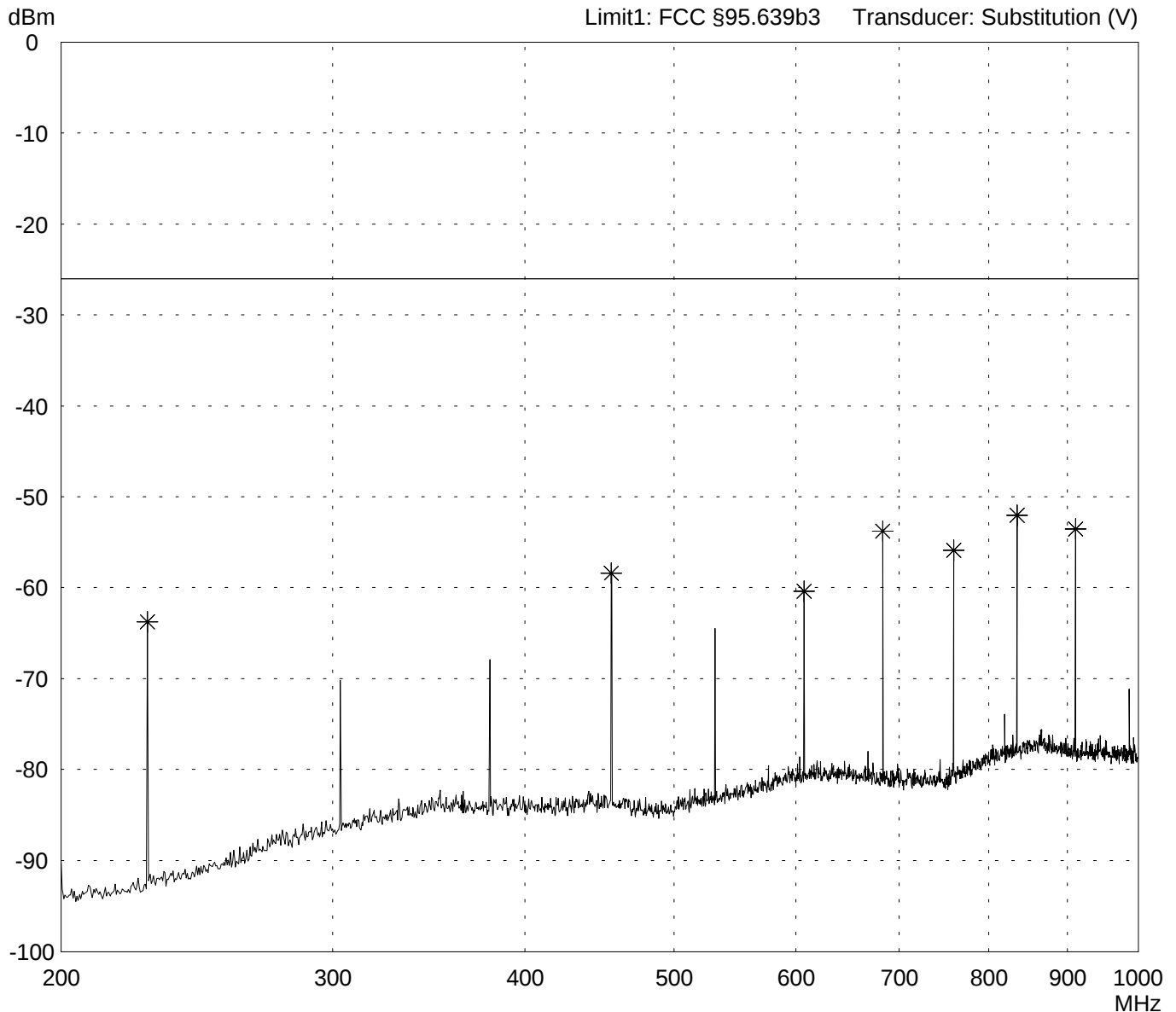
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

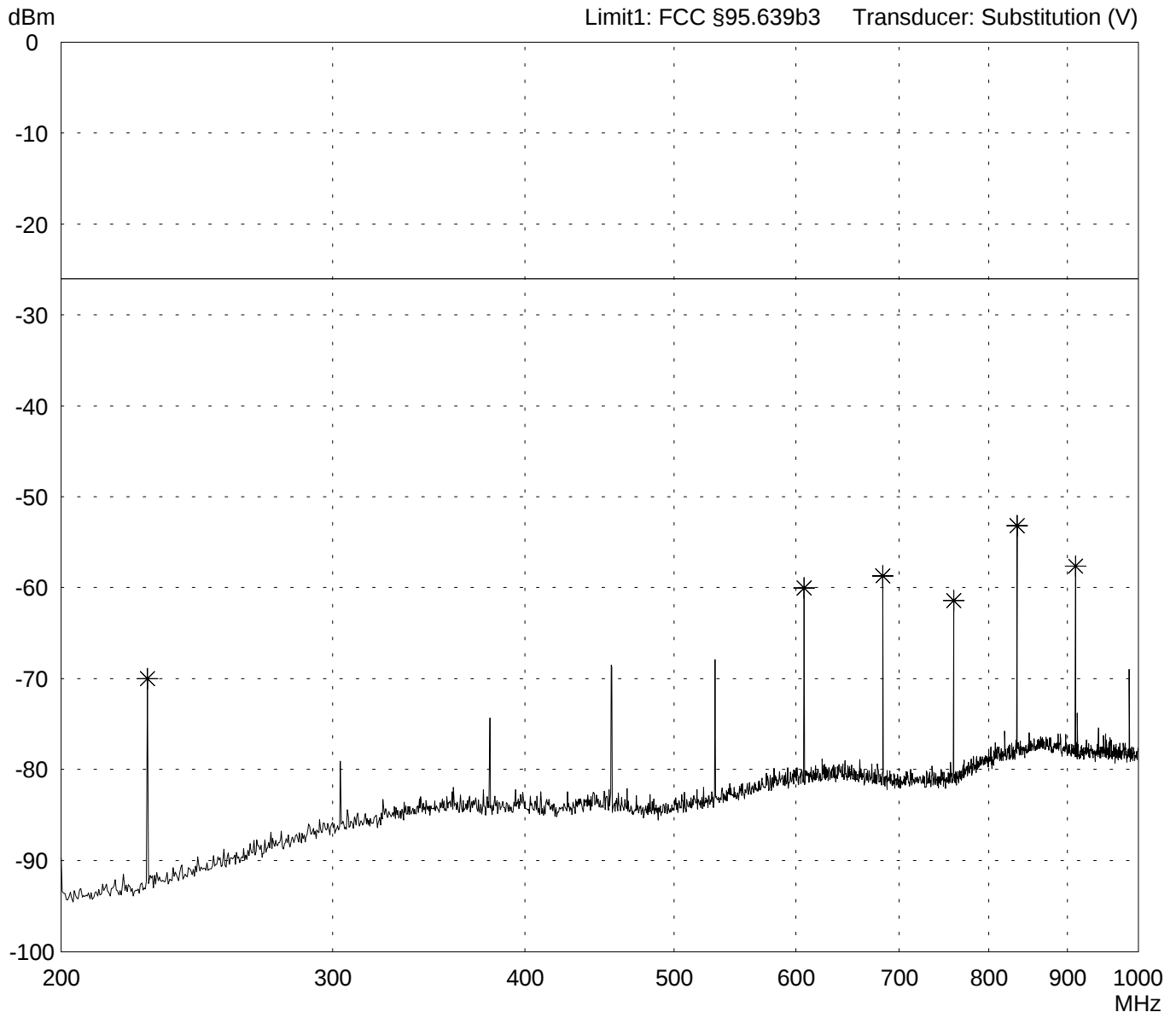
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position- rear side on table
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position- rear side on table - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

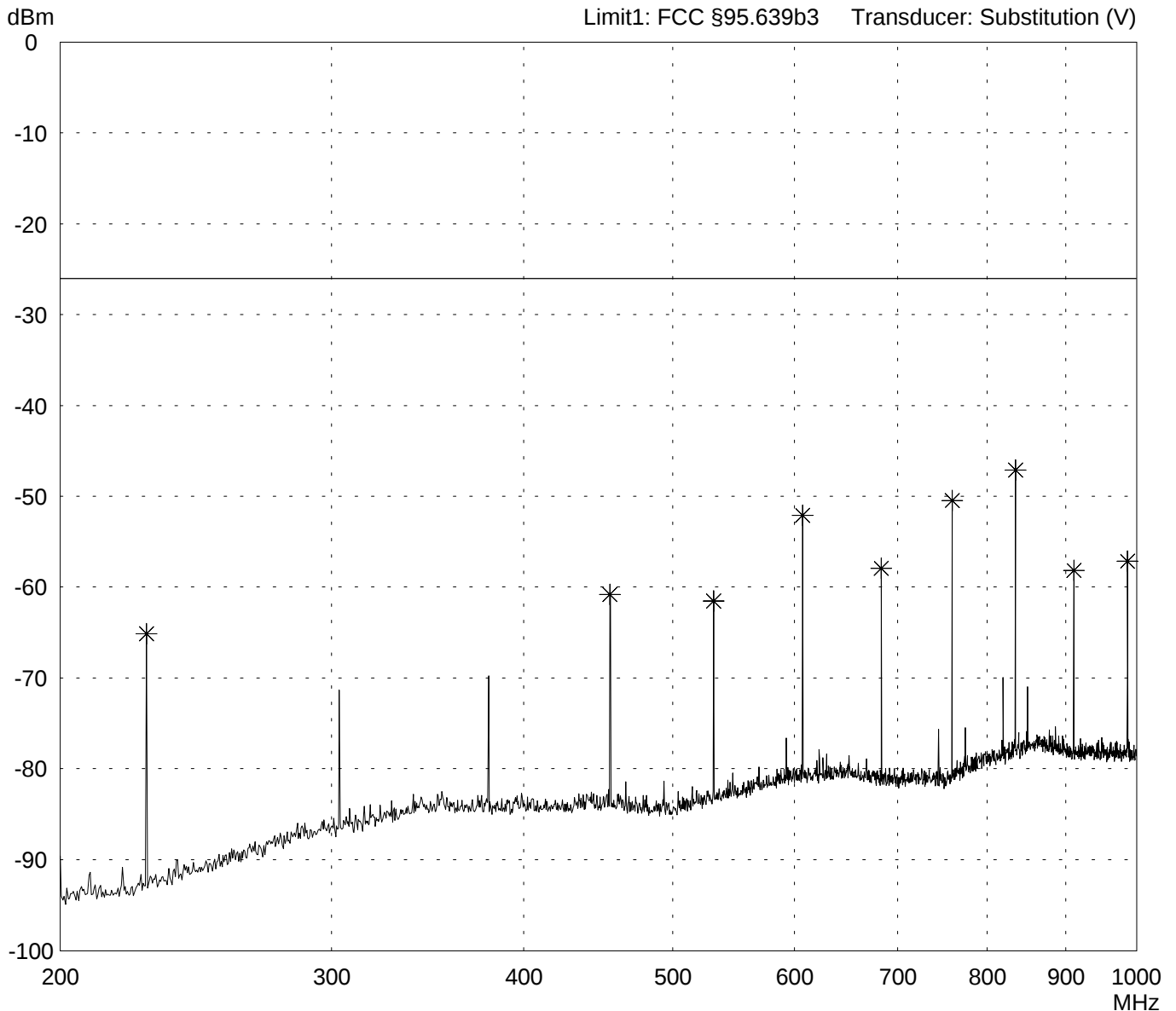
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position- right side on table
- with 150 MHz high pass

Detector:
Peak

List of values:
Selected by hand



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 200 MHz - 1 GHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position- right side on table - with 150 MHz high pass
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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[illegible]

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
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Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

Test performed: automatically
File name: default.emi

Comment:

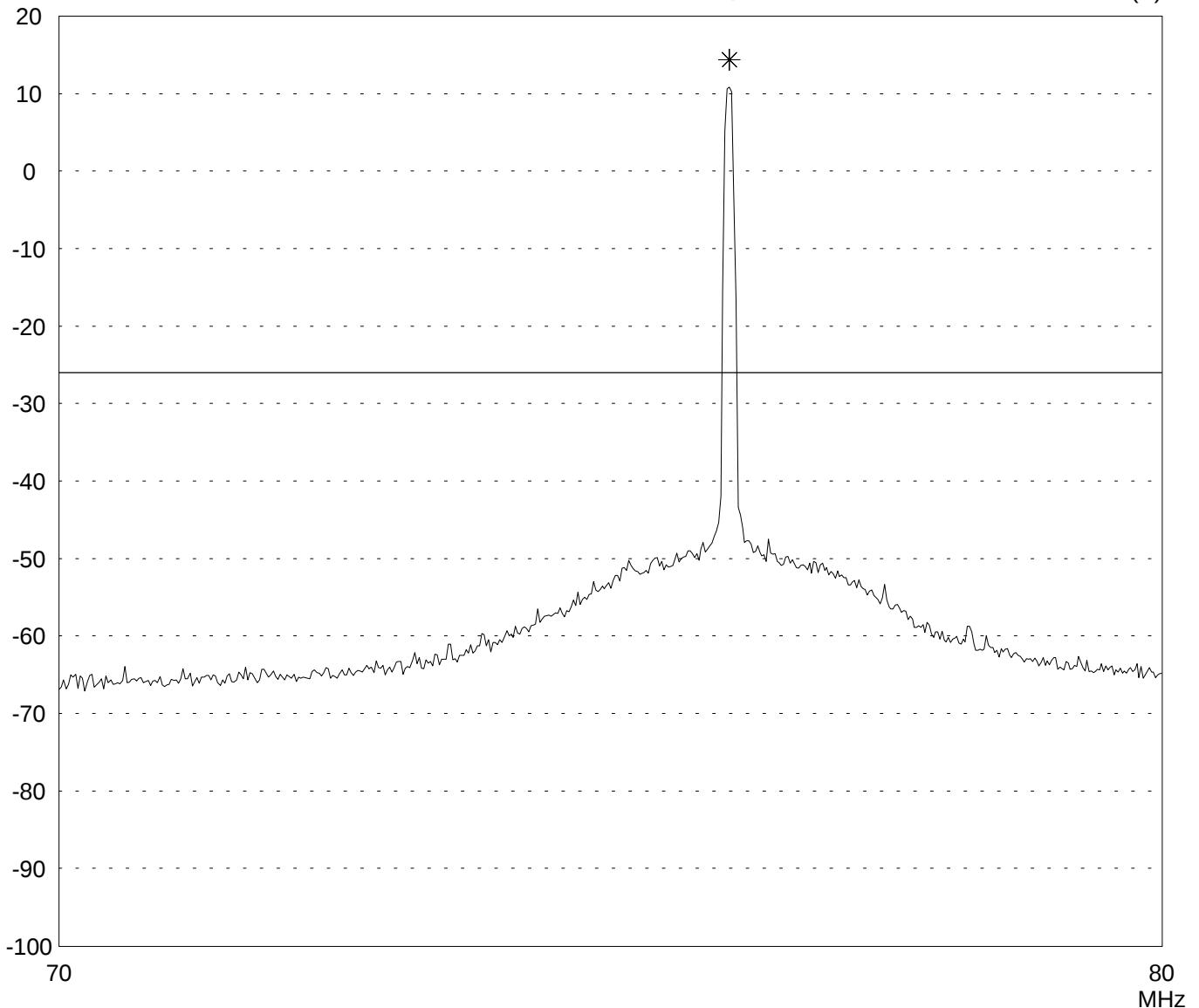
- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in vertical position

Detector:
Peak

List of values:
Selected by hand

dBm

Limit1: FCC §95.639b3 Transducer: Substitution (V)



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in vertical position
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: Selected by hand
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.920000	-11.63	26.01	14.38	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

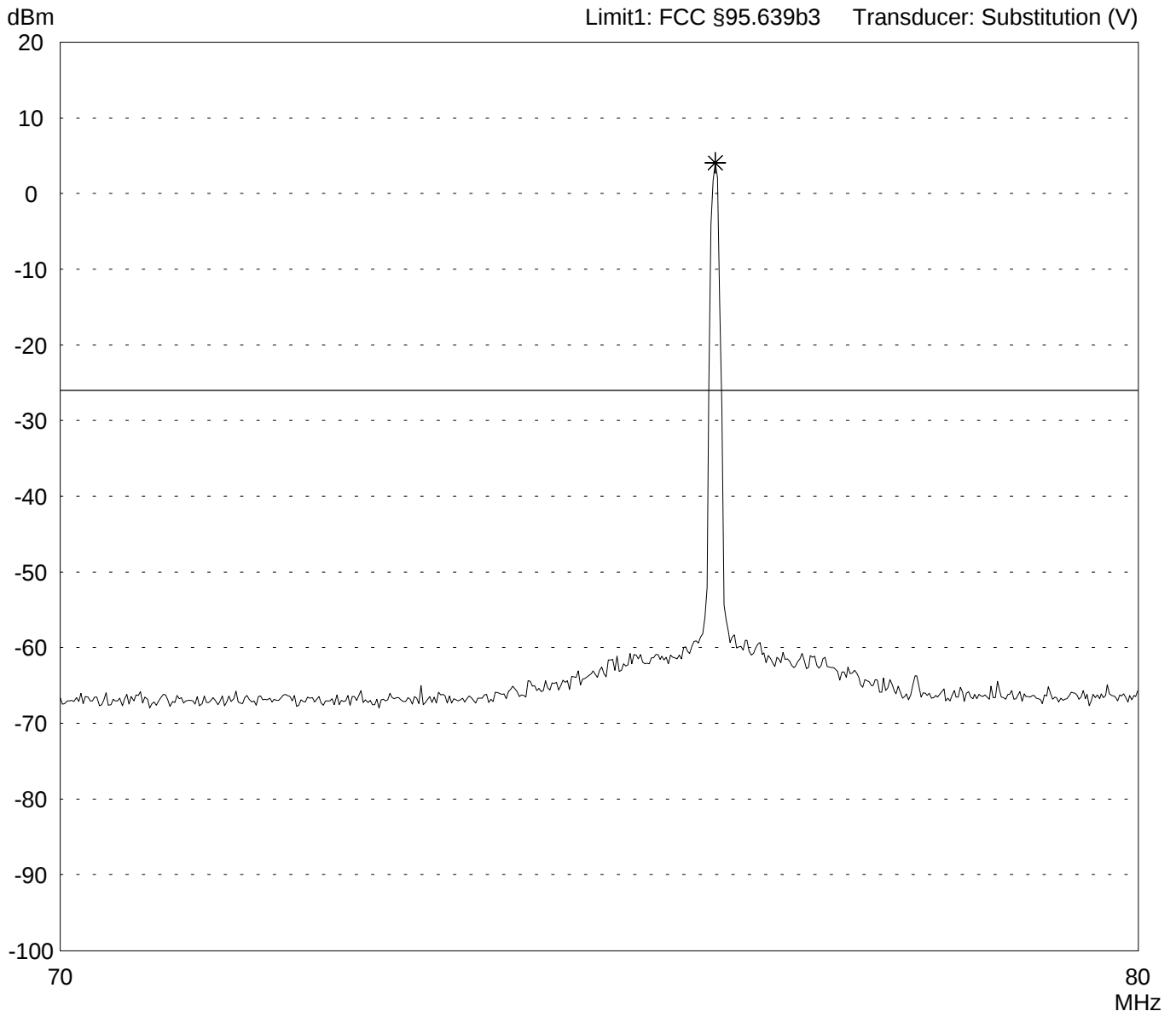
Test performed: automatically
File name: default.emi

Comment:

- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - rear side on table

Detector:
Peak

List of values:
10 dB Margin 8 Subranges



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - rear side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector:	List of values:
Peak	10 dB Margin 8 Subranges

<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.920000	-21.94	26.01	4.07	-26.00	

Result: Limit kept	Project file: 55503-30148
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Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E

Model:
T4YF 75 MHz

Serial no.:
--

Applicant:
Futaba Corporation

Test site:
Fully anechoic room, cabin no. 2

Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: 04/02/2003
Operator: T. Eberl

Test performed: automatically
File name: default.emi

Comment:

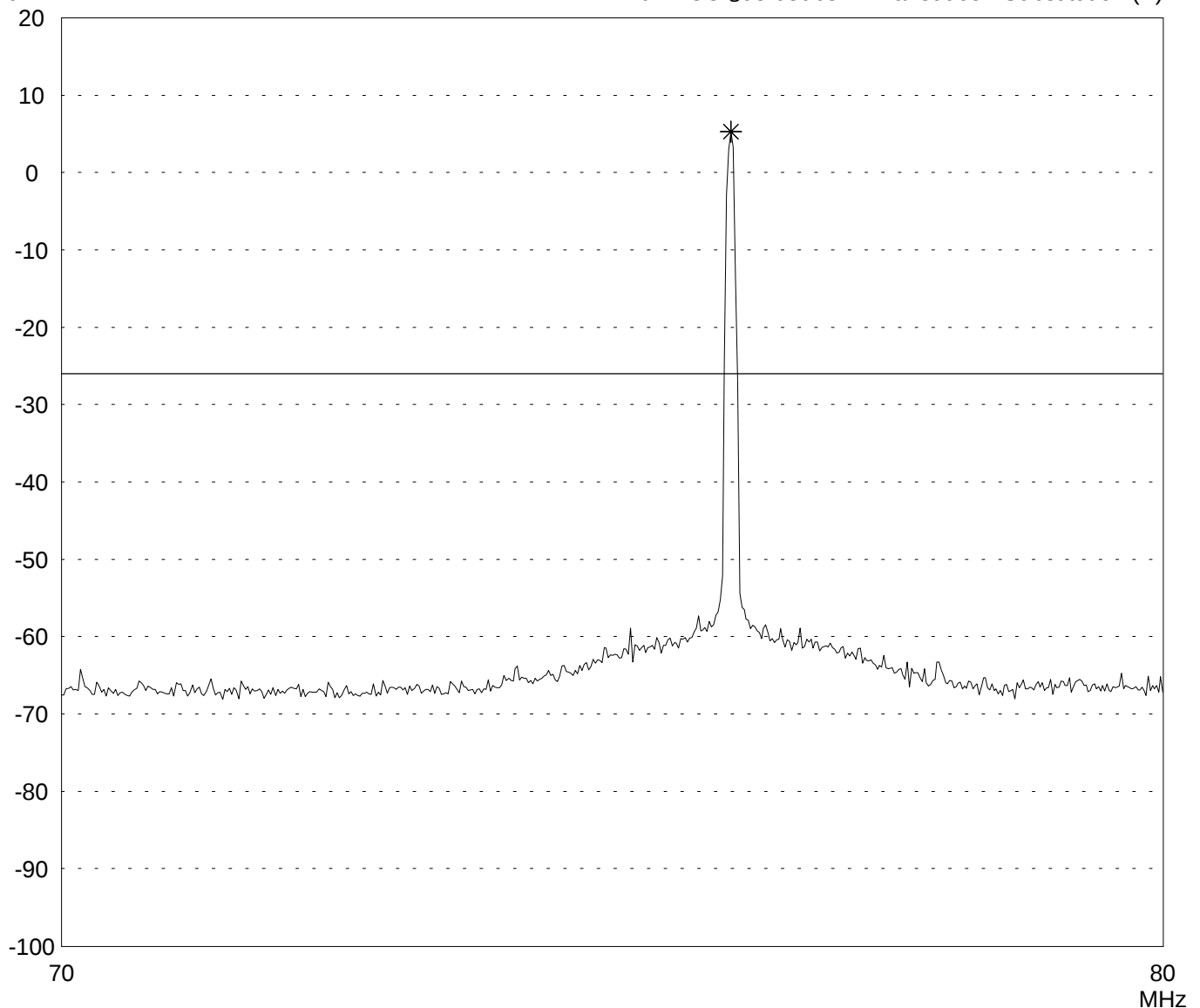
- TX mode
- f = 75.910 MHz
- EUT DC powered 9.6 V (accu pack)
- EUT in horizontal position - right side on table

Detector:
Peak

List of values:
10 dB Margin 8 Subranges

dBm

Limit1: FCC §95.639b3 Transducer: Substitution (V)



Result:
Limit kept

Project file:
55503-30148

Radiated Power Test 70 MHz - 80 MHz acc. to FCC Part 95 Subpart C/E
--

Model: T4YF 75 MHz		Comment: - TX mode - f = 75.910 MHz - EUT DC powered 9.6 V (accu pack) - EUT in horizontal position - right side on table
Serial no.: --		
Applicant: Futaba Corporation		
Test site: Fully anechoic room, cabin no. 2		
Tested on: Test distance 3 meters Vertical Polarization		
Date of test: 04/02/2003	Operator: T. Eberl	
Test performed: automatically	File name: default.emi	

Detector: Peak	List of values: 10 dB Margin 8 Subranges
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<i>Frequency [MHz]</i>	<i>Reading [dBm]</i>	<i>Correction factor [dB]</i>	<i>Value [dBm]</i>	<i>Limit [dBm]</i>	<i>Limit exceeded</i>
75.920000	-20.72	26.01	5.29	-26.00	

Result: Limit kept	Project file: 55503-30148
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