



No. DAT-P-114/01-01



TESTING
CNAS L0442

TEST REPORT

No. 2009BTH0143

Product name GSM/GPRS 850/1900 dual-band mobile phone

Model KR01A (Crystal A)

Client TCT Mobile Limited

Classification of test Type Approval

Telecommunication Metrology Center
of Ministry of Information Industry

Notice

1. The test report shall be invalid if there is no “specified stamp for the test report” or the stamp of the test organization on it.
2. Copies of the test report shall be invalid if there is no “specified stamp for the test report” or the stamp of the test organization on it.
3. The test report shall be invalid if there are no signatures of the testing person, reviewing person and approving person on it.
4. The test report shall be invalid if it is altered.
5. Any demurral about the test shall be put forward to the testing organization within 15 days after the receiving of the test report.
6. This test report standalone dose not constitute or imply by its own an approval of the product by any Certification Authorities or Competent Bodies.
7. This report is only valid if complete, and test report shall not be reproduced except in full, without written approval of the laboratory.
8. This report cannot be used partially or in full for publicity and/or promotional purposes without previous written approval of Telecommunication Metrology Center of MII and the Accreditation Bodies, if it applies.

Address: No. 52, Huayuan Bei Road, Haidian District, Beijing, P. R. China
(Telecommunication Metrology Center of MII)

Post code: 100083

Telephone: +86 10 62302041

Fax: +86 10 62304793

Web site: <http://www.emcite.com>

E-mail: welcome@emcite.com

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. 2009BTH0143

Page 3 of 33

Product Name	GSM/GPRS 850/1900 dual-band mobile phone	Model	KR01A (Crystal A)	
		Trade mark		
Client	TCT Mobile Limited			
Manufacturer	TCT Mobile Limited			
Arrival Date of sample	July 02, 2009	Carrier of the samples	Ying Kong	
Quantity of the samples	2	Date of product	/	
Series number	012018000000032, 012018000000099			
Standard(s)	FCC Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits; general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5 MHz, and 5725-5850 MHz. ANSI C63.4- 2003 FCC Public Notice DA 00-705, March 2000			
Conclusion	Pass 9 test cases were done. The test results are shown in the clause 6 and annex B. The samples passed all the tests required by the client. Date of issue: 2009-07-28			
Comment	The test result relates only to the tested samples.			

Approved by 陆冰松
(Lu Bingsong)

Reviewed by 高洪
(Gao Hong)

Tested by 孙震宇
(Sun Zhenyu)

(Lu Bingsong - Deputy Director of the laboratory)

CONTENTS

1. COMPETENCE AND WARRANTIES.....	6
2. TESTING LABORATORY	6
2.1. Testing Location	6
2.2. Testing Environment.....	6
2.3. Testing Period	7
3. APPLICANT INFORMATION	7
3.1. Client information	7
3.2. Manufacturer information	7
4. EQUIPMENT UNDER TEST(EUT) AND ANCILLARY EQUIPMENP(AE).....	8
4.1. About EUT	8
4.2. Internal Identification of EUT used during the test.....	8
4.3. Internal Identification of AE used during the test	8
5. REFERENCE DOCUMENTS	8
5.1. Documents supplied by applicant.....	8
5.2. Reference Documents	8
6. TEST RESULTS	9
6.1. Summary of Test Results	9
6.2. Statements	9
7. TEST EQUIPMENTS.....	10
ANNEX A: MEASUREMENT RESULTS	11
A.1. Measurement Method.....	11
A.1.1. Conducted Measurements.....	11
A.1.2. Radiated Emission Measurements	11
A.2. Peak Output Power - Conducted	11
A.3. Frequency Band Edges - Conducted.....	12
A.4. Conducted Emission.....	12
A.5. Radiated Emission.....	13
A.6. Time of Occupancy (Dwell Time)	13
A.7. 20dB Bandwidth	14
A.8. Carrier Frequency Separation	14
A.9. Number of Hopping Channels	15
A.10. AC Powerline Conducted Emission	15

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. 2009BTH0143

Page 5 of 33

ANNEX B: TEST FIGURE LIST 16

Fig. 1	Frequency Band Edges: Channel 0, Hopping Off	16
Fig. 2	Frequency Band Edges: Channel 0, Hopping On	16
Fig. 3	Frequency Band Edges: Channel 78, Hopping Off	17
Fig. 4	Frequency Band Edges: Channel 78, Hopping On	17
Fig. 5	Conducted spurious emission: Channel 0, 2402MHz.....	18
Fig. 6	Conducted spurious emission: Channel 0, 30MHz - 1GHz	18
Fig. 7	Conducted spurious emission: Channel 0, 1GHz - 26GHz	19
Fig. 8	Conducted spurious emission: Channel 39, 2441MHz.....	19
Fig. 9	Conducted spurious emission: Channel 39, 30MHz - 1GHz	20
Fig. 10	Conducted spurious emission: Channel 39, 1GHz – 26GHz.....	20
Fig. 11	Conducted spurious emission: Channel 78, 2480MHz.....	21
Fig. 12	Conducted spurious emission: Channel 78, 30MHz - 1GHz	21
Fig. 13	Conducted spurious emission: Channel 78, 1GHz - 26GHz	22
Fig. 14	Radiated emission: Channel 0, 30 MHz - 1 GHz.....	22
Fig. 15	Radiated emission: Channel 0, 1 GHz - 4 GHz	23
Fig. 16	Radiated emission: Channel 0, 4 GHz - 18 GHz	23
Fig. 17	Radiated emission: Channel 39, 30 MHz - 1 GHz.....	24
Fig. 18	Radiated emission: Channel 39, 1 GHz - 4 GHz	24
Fig. 19	Radiated emission: Channel 39, 4 GHz - 18 GHz	25
Fig. 20	Radiated emission: Channel 78, 30 MHz - 1 GHz.....	25
Fig. 21	Radiated emission: Channel 78, 1 GHz - 4 GHz	26
Fig. 22	Radiated emission: Channel 78, 4 GHz - 18 GHz	26
Fig. 23	Radiated emission (Power): 2.45GHz - 2.5GHz.....	27
Fig. 24	Radiated emission: 18 GHz - 26 GHz	27
Fig. 25	Time of occupancy (Dwell Time): Channel 39, Packet DH1	28
Fig. 26	Time of occupancy (Dwell Time): Channel 39, Packet DH3	28
Fig. 27	Time of occupancy (Dwell Time): Channel 39, Packet DH5	29
Fig. 28	20dB Bandwidth: Channel 0.....	29
Fig. 29	20dB Bandwidth: Channel 39.....	30
Fig. 30	20dB Bandwidth: Channel 78.....	30
Fig. 31	Carrier frequency separation measurement: Channel 39.....	31
Fig. 32	Number of hopping frequencies: Channel 0 - 39.....	31
Fig. 33	Number of hopping frequencies: Channel 40 - 78.....	32
Fig. 34	AC Powerline Conducted Emission with charger 1	33
Fig. 35	AC Powerline Conducted Emission with charger 2	33

1. COMPETENCE AND WARRANTIES

Telecommunication Metrology Center of Ministry of Information Industry is a test laboratory accredited by DAR (DATEch) – Deutschen Akkreditierungs Rat (The German Accreditation Body Technology) for the tests indicated in the Certificate No. **DAT-P-114/01-01**.

Telecommunication Metrology Center of Ministry of Information Industry is a test laboratory accredited by CNAS—China national Accreditation Service for Conformity Assessment, for the tests indicated in the Certificate No. **L0442**.

Telecommunication Metrology Center of Ministry of Information Industry (hereinafter TMC of MII) is a test laboratory competent to carry out the tests described in this test report.

TMC of MII guarantees the reliability of the data presented in this test report, which is the results of measurements and tests performed for the items under test on the date and under the conditions stated in this test report and is based on the knowledge and technical facilities available at **TMC of MII** at the time of execution of the test.

TMC of MII is liable to the client for the maintenance by its personnel of the confidentiality of all information related to the items under test and the results of the test.

2. TESTING LABORATORY

2.1. Testing Location

Name of Company :	Telecommunication Metrology Center of Ministry of Information Industry
Address:	No 52, Hua Yuanbei Road, Haidian District, Beijing, P.R.China
Postal Code:	100083
Telephone:	+86-10-62303288
Fax:	+86-10-62304793

2.2. Testing Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. 2009BTH0143

Page 7 of 33

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.8 meters×3.08 meters×3.53 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

Shielding Room2 (7.30 meters×4.00 meters×3.80 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

2.3. Testing Period

The performed test started on 2nd July, 2009 and finished on 23rd July, 2009.

3. APPLICANT INFORMATION

3.1. Client information

Name of Company:	TCT Mobile Limited
Address /Post:	4/F, South Building, No. 2966, Jinke Road, Zhangjiang High-Tech Park, Pudong, Shanghai, 201203, P.R. China
City:	Shanghai
Postal Code:	201203
Country:	China
Telephone:	86-21-61460627
Fax:	86-21-61460602

3.2. Manufacturer information

Name of Company:	TCT Mobile Limited
Address /Post:	4/F, South Building, No. 2966, Jinke Road, Zhangjiang High-Tech

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. 2009BTH0143

Page 8 of 33

	Park, Pudong, Shanghai, 201203, P.R.China
City:	Shanghai
Postal Code:	201203
Country:	China
Telephone:	86-21-61460627
Fax:	86-21-61460602

4. EQUIPMENT UNDER TEST(EUT) AND ANCILLARY EQUIPMENT(AE)

4.1. About EUT

Product name:	GSM/GPRS 850/1900 dual-band mobile phone
Model:	KR01A (Crystal A)
FCC ID:	RAD120
With Bluetooth Function:	Yes
EUT operating voltage- Normal:	3.8
Extreme Low Voltage:	3.5
Extreme High Voltage:	4.2
Extreme temperature:	-20℃ / + 55℃

Note: please refer to ANNEX A in this test report for Photographs of EUT.

4.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT1	012018000000032	Proto	V331
EUT2	012018000000099	Proto	V331

*EUT ID is used to identify the test sample in the lab internally.

4.3. Internal Identification of AE used during the test

AE ID*	Description	Type	SN
AE1	Travel Charger	T5002684AGAA	/
AE2	Travel Charger	T5002684AGAC	/
AE3	Battery	CAB3010010C1	/

*AE ID: is used to identify the test sample in the lab internally.

5. REFERENCE DOCUMENTS

5.1. Documents supplied by applicant

EUT feature information is supplied by the client or manufacturer, which is the basis of testing.

5.2. Reference Documents

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902–928MHz, 2400–2483.5 MHz, and 5725–5850 MHz.	July 10, 2008 Edition
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2003
FCC Public Notice DA 00-705	Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems	March 2000

6. TEST RESULTS

6.1. Summary of Test Results

Abbreviations used in this clause:

P Pass

F Fail

NA not applicable

NM not measured

SUMMARY OF MEASUREMENT RESULTS	Sub-clause	Verdict
Peak Output Power - Conducted	15.247 (b)(1)	P
Frequency Band Edges	15.247 (d)	P
Conducted Emission	15.247 (d)	P
Radiated Emission	15.247, 15.205, 15.209	P
Time of Occupancy (Dwell Time)	15.247 (a) (1)(iii)	P
20dB Bandwidth	15.247 (a)(1)	NA
Carrier Frequency Separation	15.247 (a)(1)	P
Number of hopping channels	15.247 (a)(b)(iii)	P
AC Powerline Conducted Emission	15.107, 15.207	P

Please refer to **ANNEX A** for detail.

The measurement is made according to Public notice DA 00-705 and ANSI C63.4.

The GSM/GPRS 850/1900 dual-band mobile phone, Crystal A, supporting GSM/GPRS 850/1900, a, manufactured by TCT Mobile Limited is a variant product of OT-660A for the test. Only the enclosure had been changed. And the radiation test had been performed. The other result is coming from the initial model.

6.2. Statements

TMC has evaluated the test cases requested by the client/manufacture as listed in section 6.1 of this report for the EUT specified in section 4 according to the standards or reference documents listed in section 5.2.

7. TEST EQUIPMENTS

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Vector Signal Analyzer	FSQ26	200136	Rohde & Schwarz	2010-01-15
2	Bluetooth Tester	CBT	100135	Rohde & Schwarz	2009-11-12
3	Power Meter	NRVD	101078	Rohde & Schwarz	2009-09-02
4	DIODE Power Sensor	NRV-Z15	100103	Rohde & Schwarz	2009-09-02
5	Switch Panel	RSCP	/	Rohde & Schwarz	/
6	Microwave Signal Generator	SMP04	100140	Rohde & Schwarz	2009-10-19
7	Test Receiver	ESS	847151/015	Rohde & Schwarz	2009-10-30
8	LISN	ESH2-Z5	829991/012	Rohde & Schwarz	2009-08-13

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Test Receiver	ESI40	831564/002	Rohde & Schwarz	2010-02-12
2	BiLog Antenna	3142B	9908-1403	EMCO	2010-03-15
3	Dual-Ridge Waveguide Horn Antenna	3115	9906-5827	EMCO	2009-12-25
4	Universal Radio Communication Tester	CMU200	105948	Rohde & Schwarz	2009-08-15

Anechoic chamber

Fully anechoic chamber by Frankonia German.

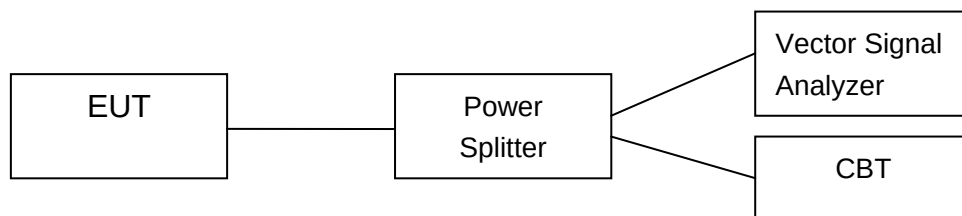
ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

A.1.1. Conducted Measurements

The measurement is made according to Public notice DA 00-705 and ANSI C63.4.

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode (Transmitter, receiver or transmitter & receiver).
- 3). Set the EUT to the required channel.
- 4). Set the EUT hopping mode (hopping or hopping off).
- 5). Set the spectrum analyzer to start measurement.
- 6). Record the values. Vector Signal Analyzer



A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 1MHz;

A.2. Peak Output Power - Conducted

Measurement Limit and Method:

Standard	Limit (dBm)
FCC Part 15.247(b)(1)	< 30

The measurement is made according to Public notice DA 00-705 and ANSI C63.4.

Measurement Results:

Channel	Ch 0 2402 MHz	Ch 39 2441 MHz	Ch 78 2480 MHz	Conclusion
Peak Conducted Output Power (dBm)	-0.23	-1.57	-1.26	P

Conclusion: PASS

A.3. Frequency Band Edges - Conducted

Measurement Limit:

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d)	> 20

The measurement is made according to Public notice DA 00-705 and ANSI C63.4.

Measurement Result:

Channel	Hopping	Band Edge Power (dBc)		Conclusion
0	Hopping OFF	Fig.1	58.59	P
	Hopping ON	Fig.2	55.97	P
78	Hopping OFF	Fig.3	57.85	P
	Hopping ON	Fig.4	59.34	P

See annex B for test graphs.

Conclusion: PASS

A.4. Conducted Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

Measurement Results:

Channel	Frequency Range	Test Results	Conclusion
Ch 0 2402 MHz	Center Frequency	Fig.5	P
	30 MHz ~ 1 GHz	Fig.6	P
	1 GHz ~ 26 GHz	Fig.7	P
Ch 39 2441 MHz	Center Frequency	Fig.8	P
	30 MHz ~ 1 GHz	Fig.9	P
	1 GHz ~ 26 GHz	Fig.10	P
Ch 78 2480 MHz	Center Frequency	Fig.11	P
	30 MHz ~ 1 GHz	Fig.12	P
	1 GHz ~ 26 GHz	Fig.13	P

See annex B for test graphs.

Conclusion: PASS

A.5. Radiated Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

Limit in restricted band:

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Measurement Results:

Channel	Frequency Range	Test Results	Conclusion
Ch 0 2402 MHz	30 MHz ~ 1 GHz	Fig.14	P
	1 GHz ~ 4 GHz	Fig.15	P
	4 GHz ~ 18 GHz	Fig.16	P
Ch 39 2441 MHz	30 MHz ~ 1 GHz	Fig.17	P
	1 GHz ~ 4 GHz	Fig.18	P
	4 GHz ~ 18 GHz	Fig.19	P
Ch 78 2480 MHz	30 MHz ~ 1 GHz	Fig.20	P
	1 GHz ~ 4 GHz	Fig.21	P
	4 GHz ~ 18 GHz	Fig.22	P
Power	2.45GHz~2.5GHz	Fig.23	P
For all channels	18 GHz ~ 26 GHz	Fig.24	P

See annex B for test graphs.

Conclusion: PASS

A.6. Time of Occupancy (Dwell Time)

Measurement Limit:

Standard	Limit (ms)
FCC 47 CFR Part 15.247(a) (1)(iii)	< 400

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. 2009BTH0143

Page 14 of 33

Measurement Result:

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.25	234.30	P
	DH3	Fig.26	332.68	P
	DH5	Fig.27	351.14	P

See annex B for test graphs.

Conclusion: PASS

A.7. 20dB Bandwidth

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a)(1)	NA *

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

* Comment: This test case is not required according to the latest FCC 47 CFR Part 15.247. But the test results are necessary for “carrier frequency separation” test case, in Annex A.8.

Measurement Results:

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.28	969.73	NA
39	Fig.29	924.80	NA
78	Fig.30	927.98	NA

See annex B for test graphs.

Conclusion: NA

A.8. Carrier Frequency Separation

Measurement Limit:

Standard	Limit(kHz)
FCC 47 CFR Part 15.247(a)(1)	>616.53

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

* Comment: This limit should be over 25 kHz or (2/3) * 20dB bandwidth, whichever is greater.

The value of (2/3) * 20dB bandwidth (value of channel 39 is 924.80 kHz) is 616.53 kHz, and it is greater than 25 kHz.

Measurement Result:

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.31	995.19	P

See annex B for test graphs.

Conclusion: PASS

A.9. Number of Hopping Channels

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) (1)(iii)	> 75

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

Measurement Result:

Channel	Number of hopping channels		Conclusion
0~39	Fig.32	79	P
40~78	Fig.33		

See annex B for test graphs.

Conclusion: PASS

A.10. AC Powerline Conducted Emission

Test Condition

Voltage (V)	Frequency (Hz)
110	60

Measurement Result and limit:

Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With Charger 1	With Charger 2	
0.15 to 0.5	66 to 56	Fig. 34	Fig. 35	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With Charger 1	With Charger 2	
0.15 to 0.5	56 to 46	Fig. 34	Fig. 35	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to Public notice DA 00-705 and ANSI C63.4

See annex B for test graphs.

Conclusion: PASS

ANNEX B: TEST FIGURE LIST

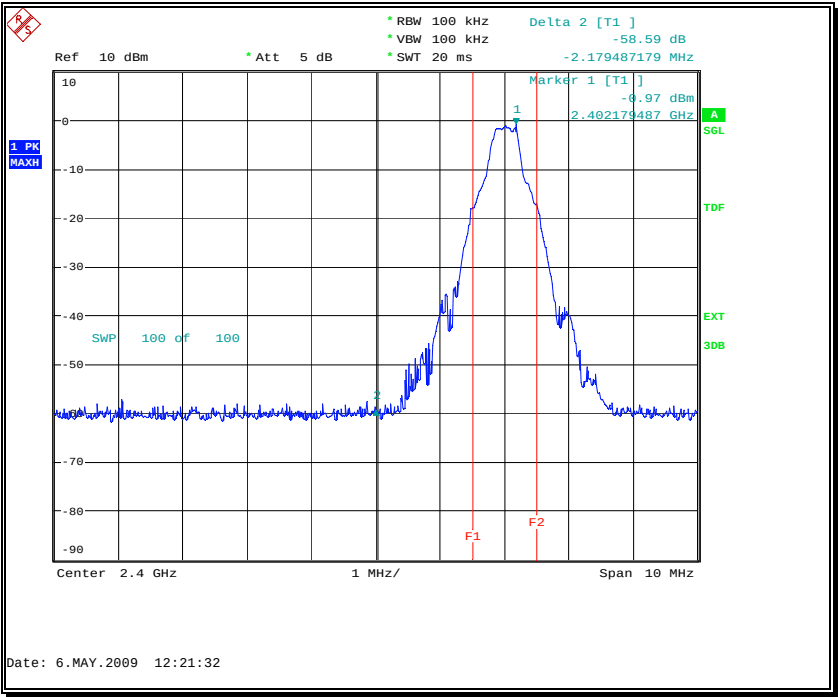


Fig. 1 Frequency Band Edges: Channel 0, Hopping Off

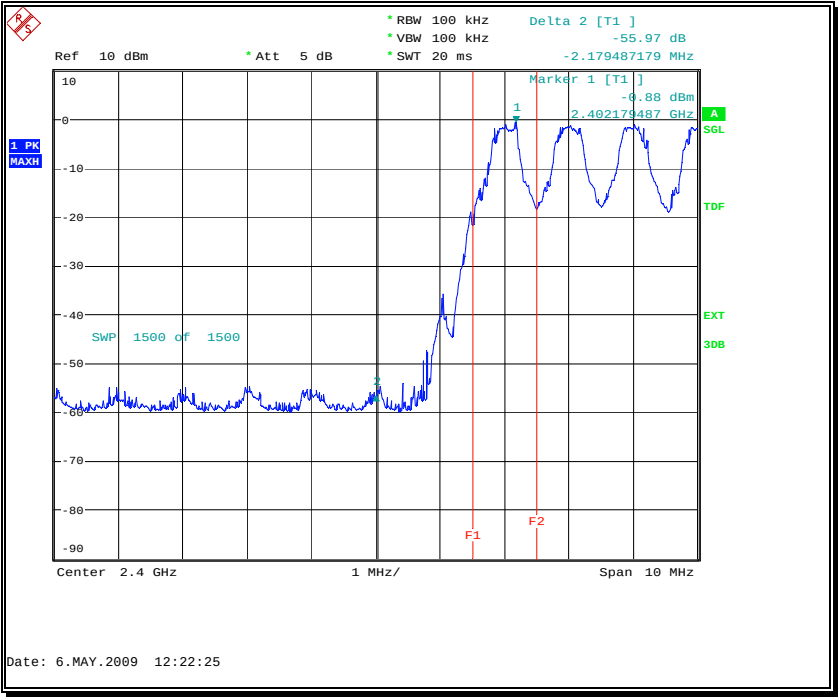


Fig. 2 Frequency Band Edges: Channel 0, Hopping On

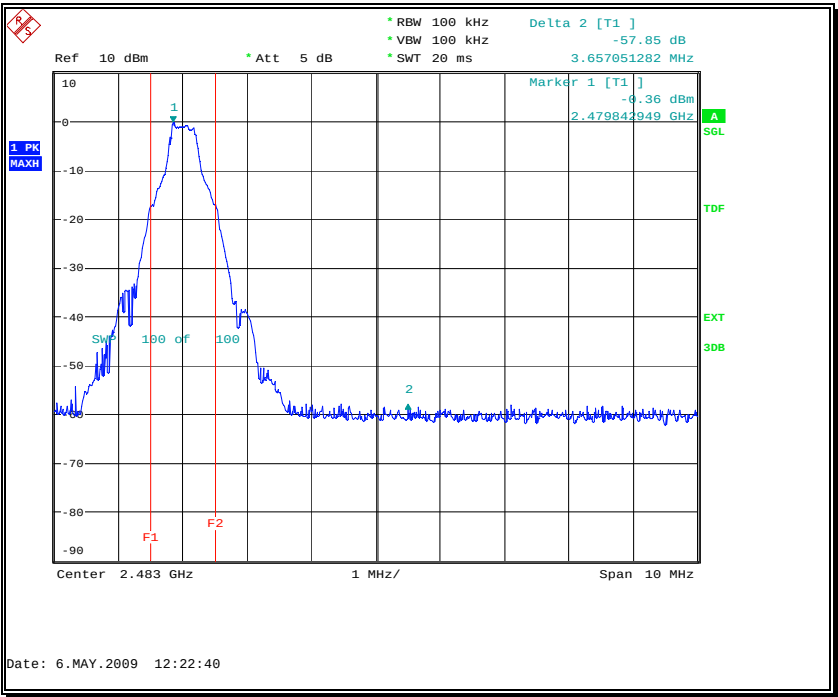


Fig. 3 Frequency Band Edges: Channel 78, Hopping Off

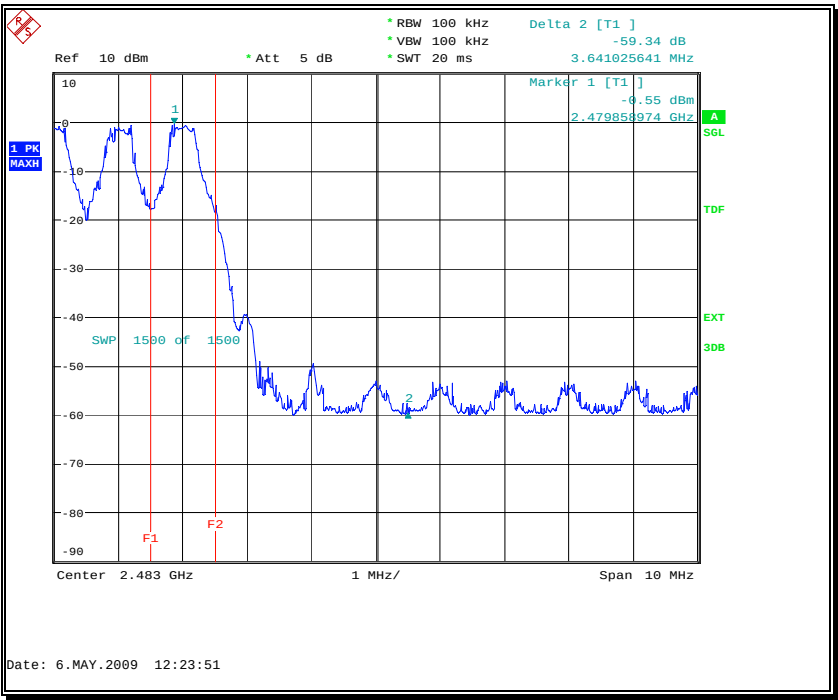
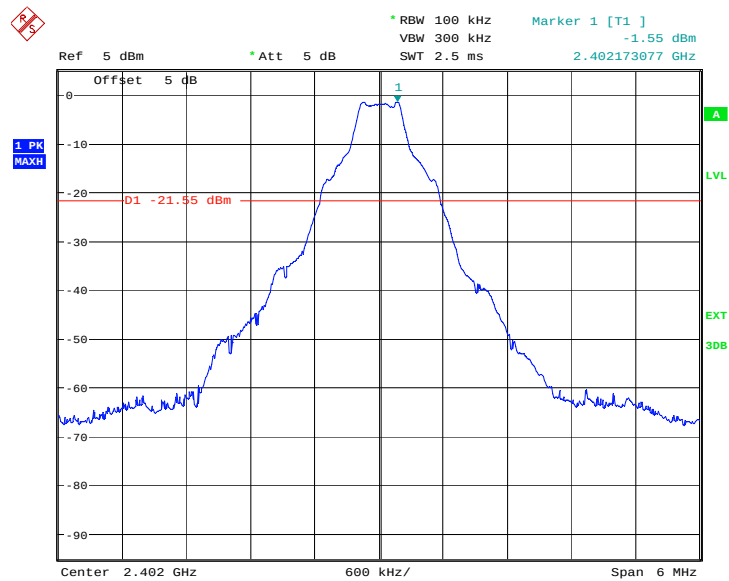
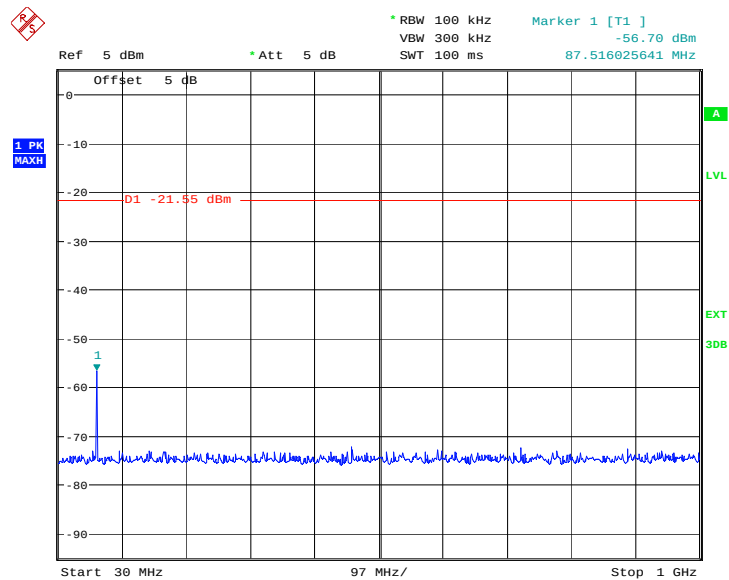


Fig. 4 Frequency Band Edges: Channel 78, Hopping On



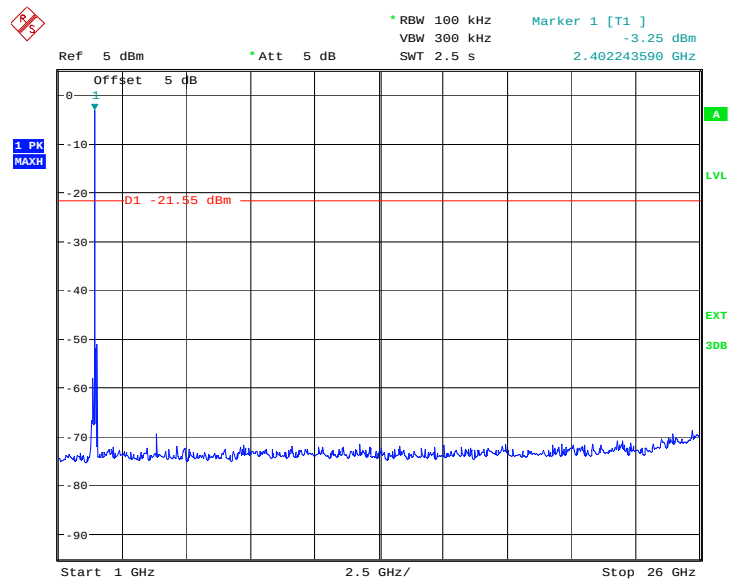
Date: 13.MAY.2009 09:27:18

Fig. 5 Conducted spurious emission: Channel 0,2402MHz



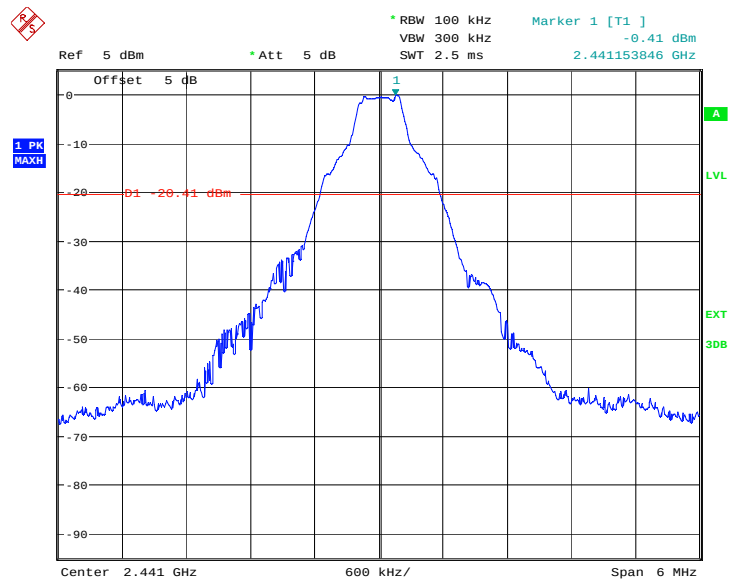
Date: 13.MAY.2009 09:27:41

Fig. 6 Conducted spurious emission: Channel 0, 30MHz - 1GHz



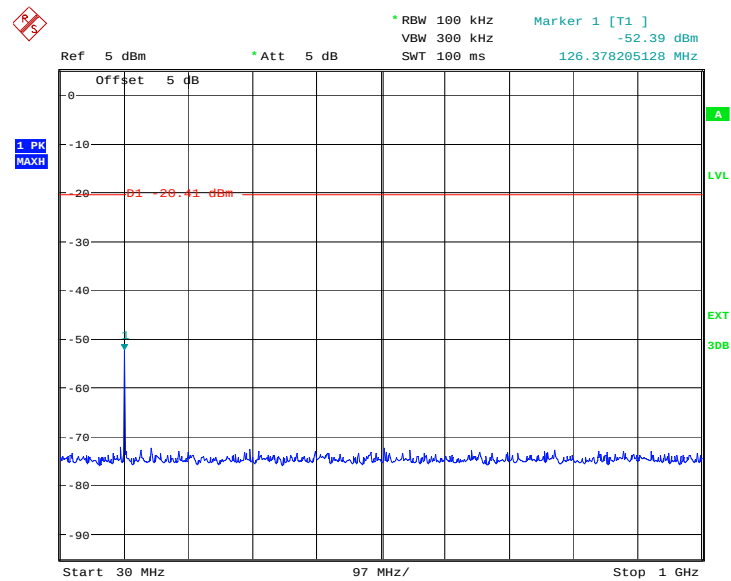
Date: 13.MAY.2009 09:28:07

Fig. 7 Conducted spurious emission: Channel 0,1GHz - 26GHz



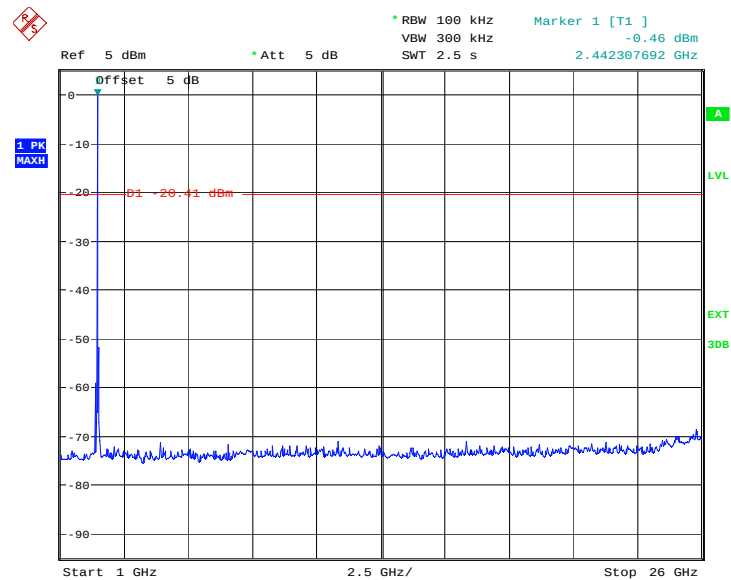
Date: 13.MAY.2009 09:28:57

Fig. 8 Conducted spurious emission: Channel 39, 2441MHz



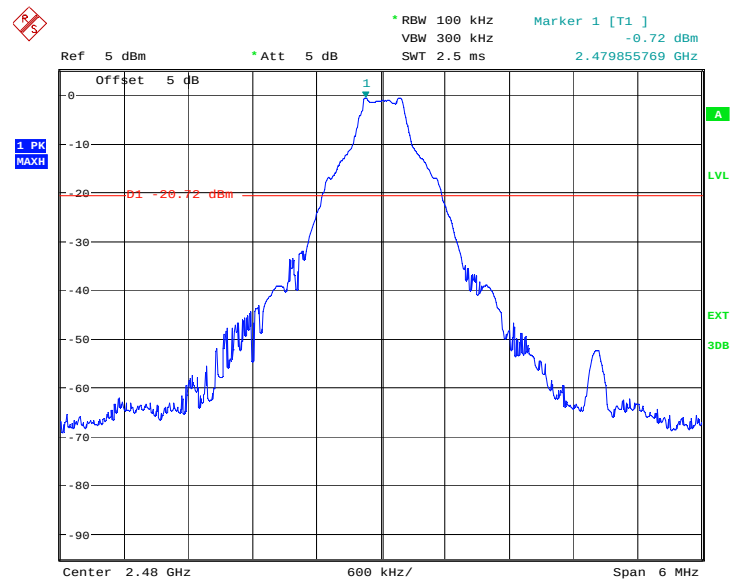
Date: 13.MAY.2009 09:29:16

Fig. 9 Conducted spurious emission: Channel 39, 30MHz - 1GHz



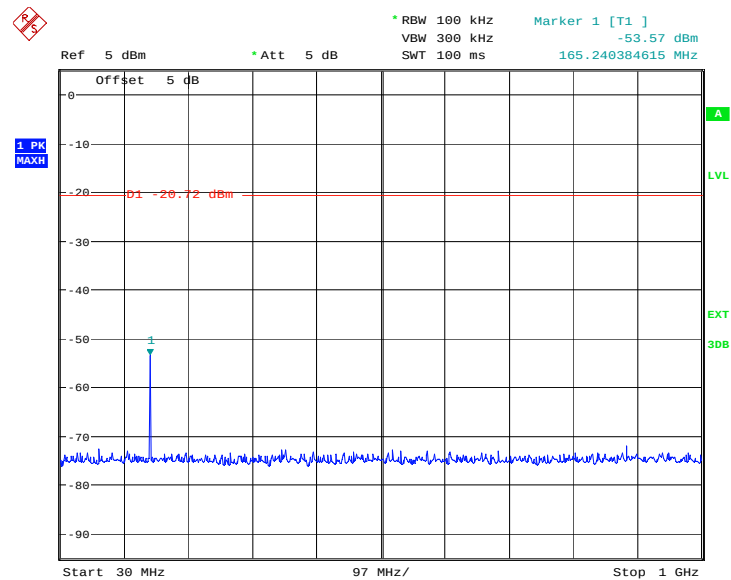
Date: 13.MAY.2009 09:29:44

Fig. 10 Conducted spurious emission: Channel 39, 1GHz – 26GHz



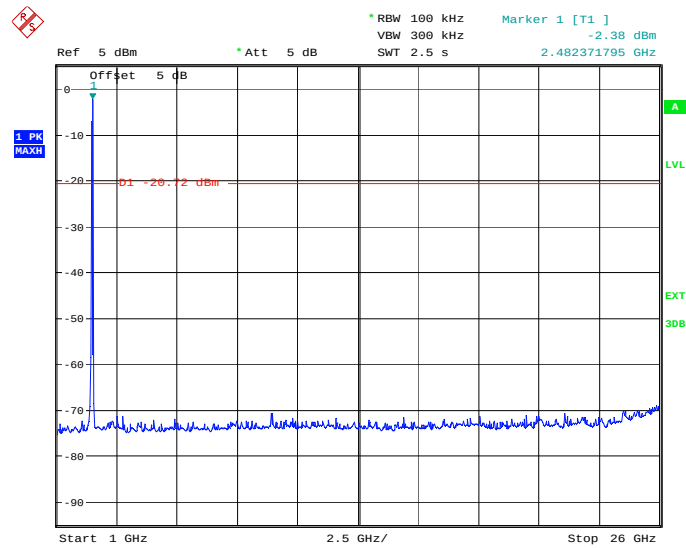
Date: 13.MAY.2009 09:30:29

Fig. 11 Conducted spurious emission: Channel 78, 2480MHz



Date: 13.MAY.2009 09:30:49

Fig. 12 Conducted spurious emission: Channel 78, 30MHz - 1GHz



Date: 13.MAY.2009 09:31:20

Fig. 13 Conducted spurious emission: Channel 78, 1GHz - 26GHz

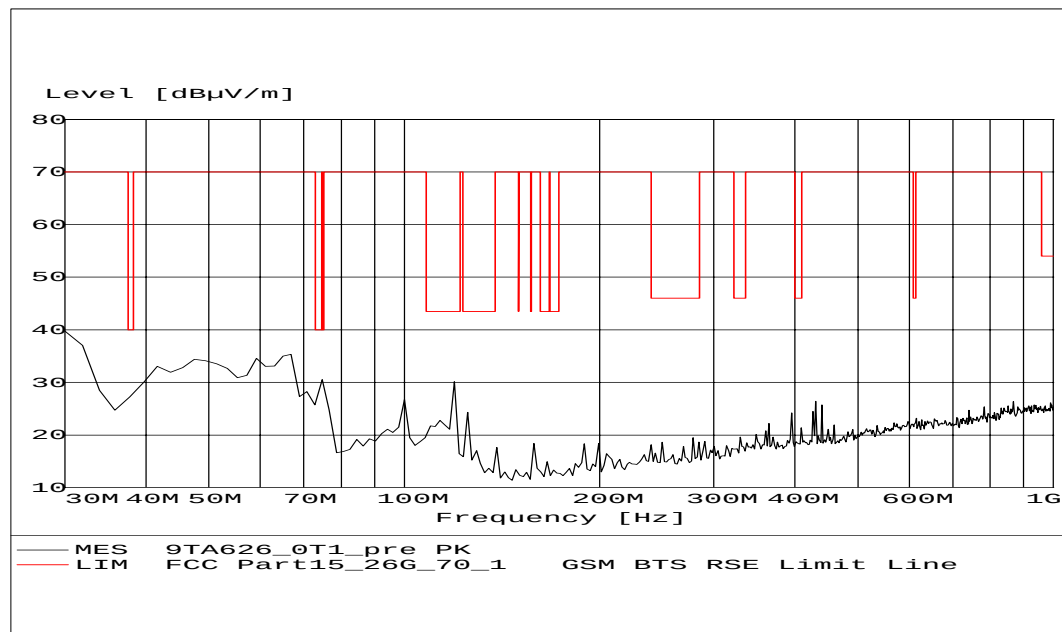


Fig. 14 Radiated emission: Channel 0, 30 MHz - 1 GHz

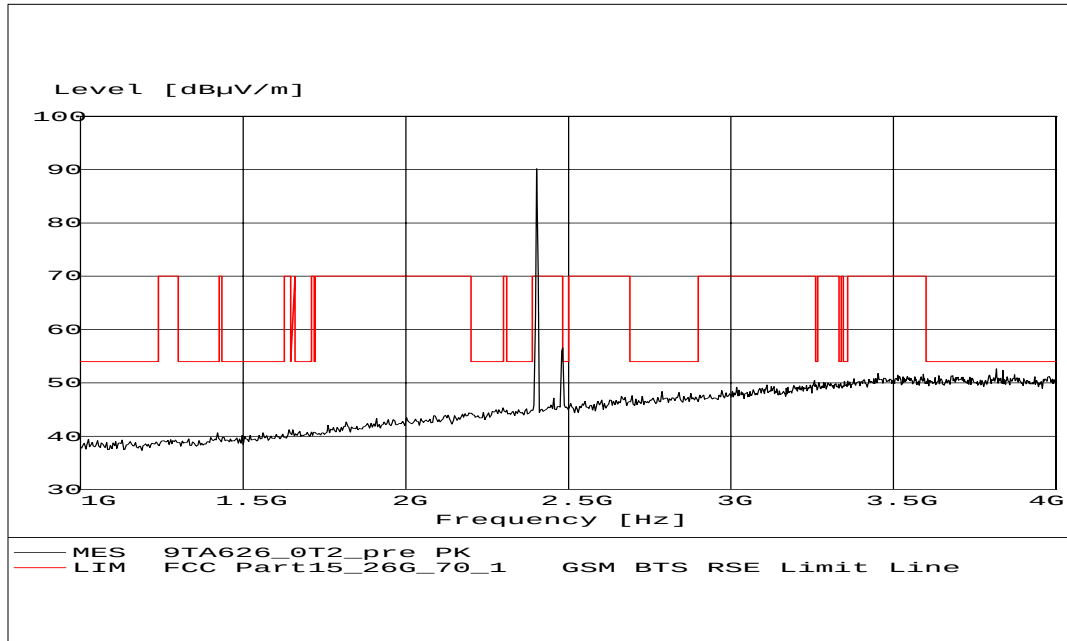


Fig. 15 Radiated emission: Channel 0, 1 GHz - 4 GHz

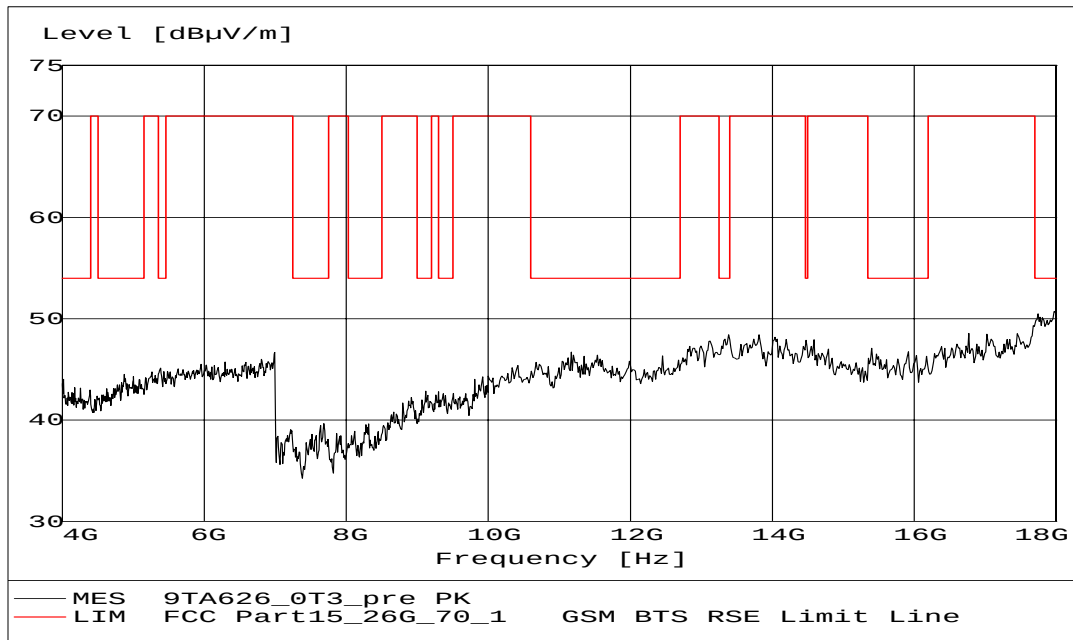


Fig. 16 Radiated emission: Channel 0, 4 GHz - 18 GHz

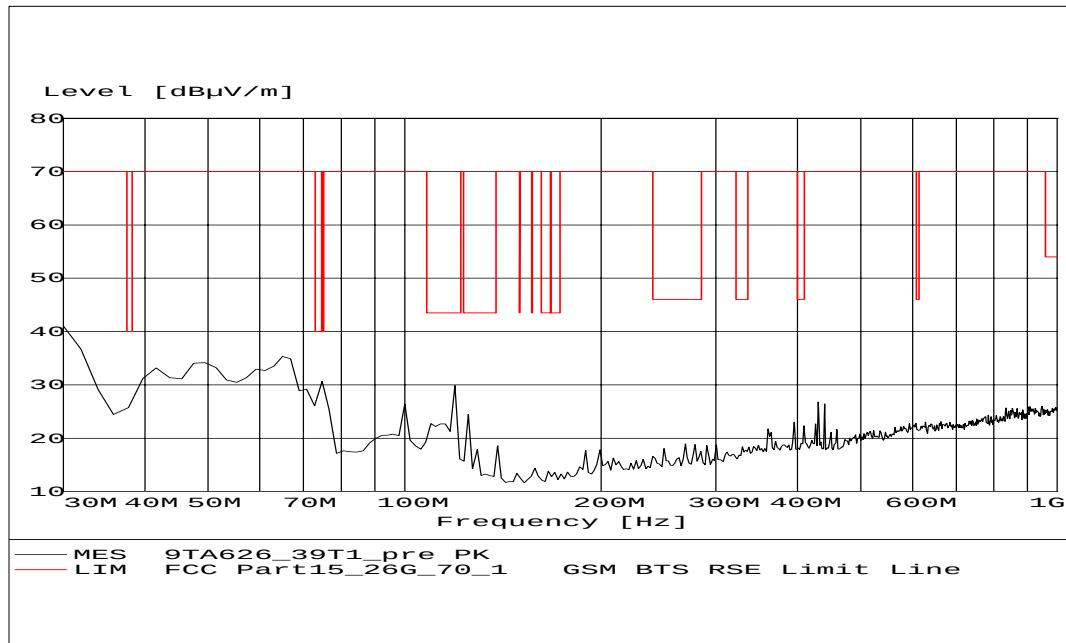


Fig. 17 Radiated emission: Channel 39, 30 MHz - 1 GHz

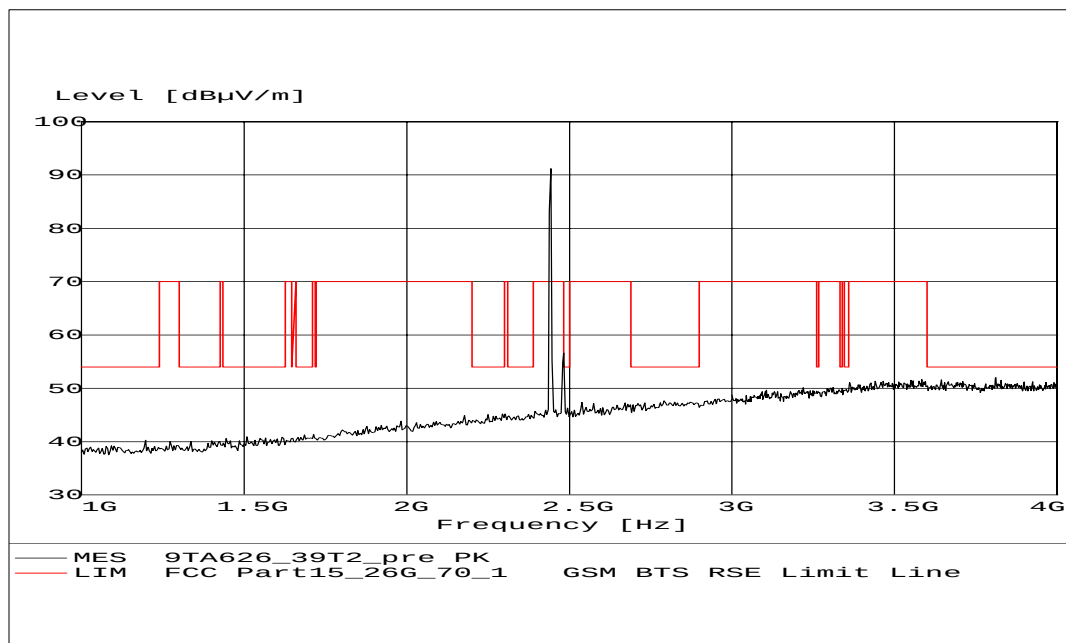


Fig. 18 Radiated emission: Channel 39, 1 GHz - 4 GHz

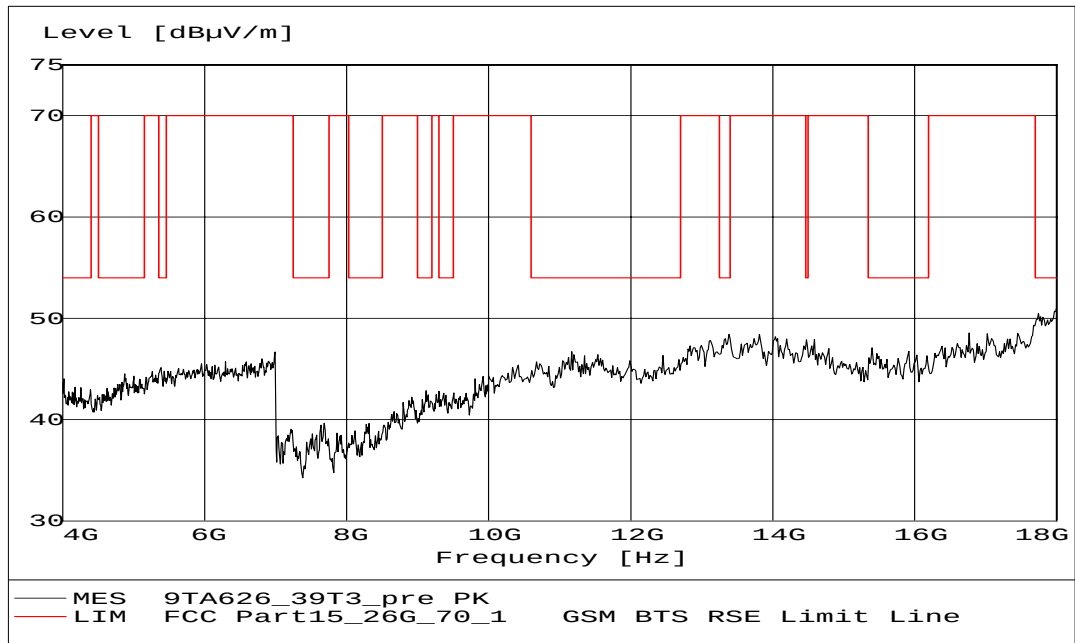


Fig. 19 Radiated emission: Channel 39, 4 GHz - 18 GHz

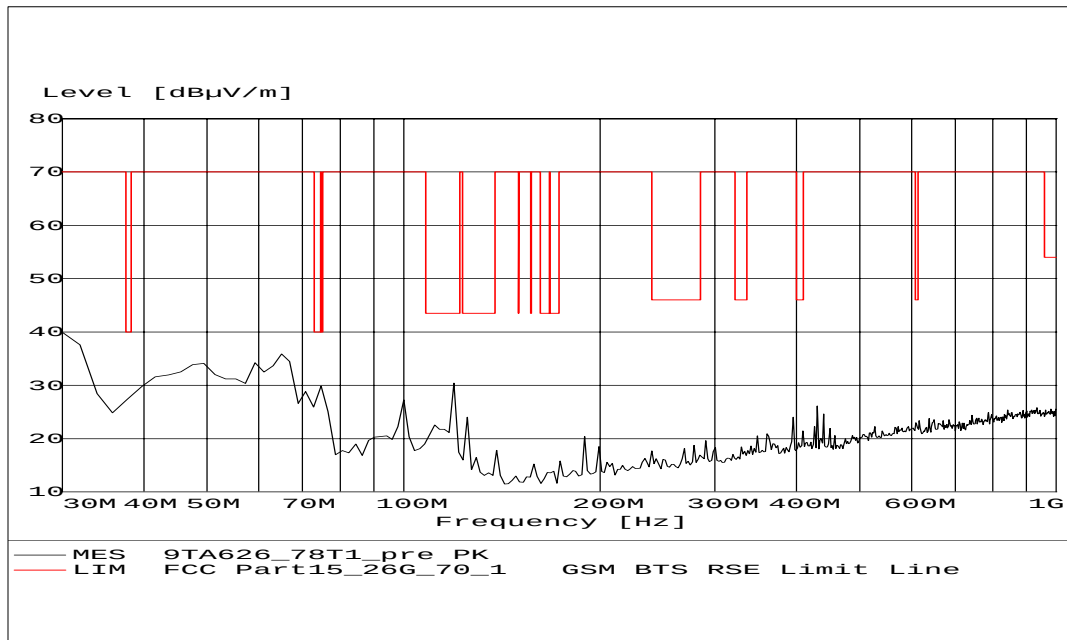


Fig. 20 Radiated emission: Channel 78, 30 MHz - 1 GHz



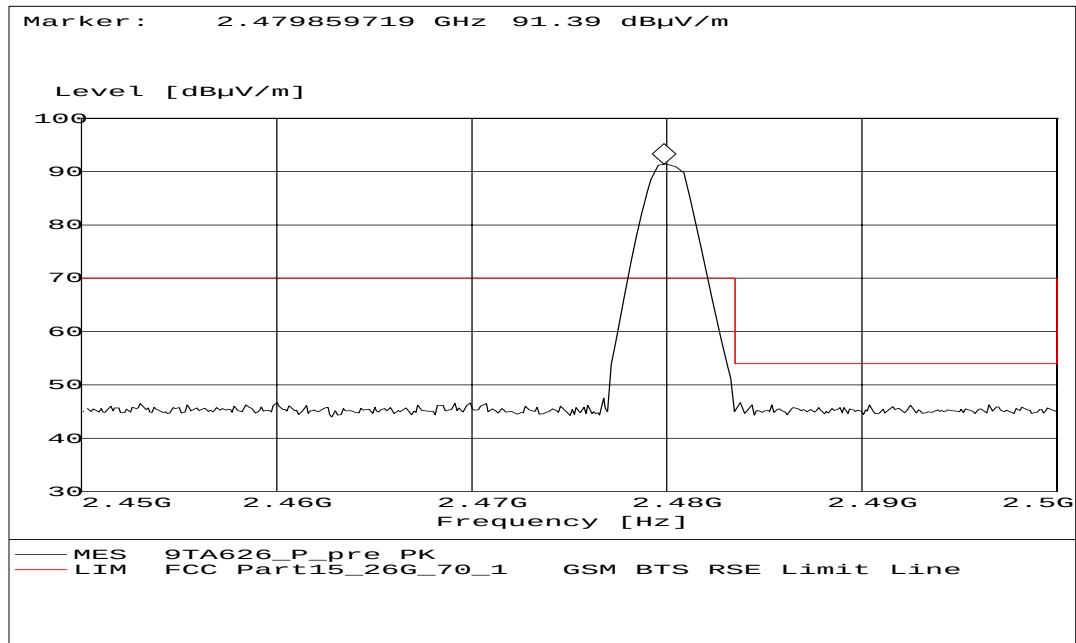


Fig. 23 Radiated emission (Power): 2.45GHz - 2.5GHz

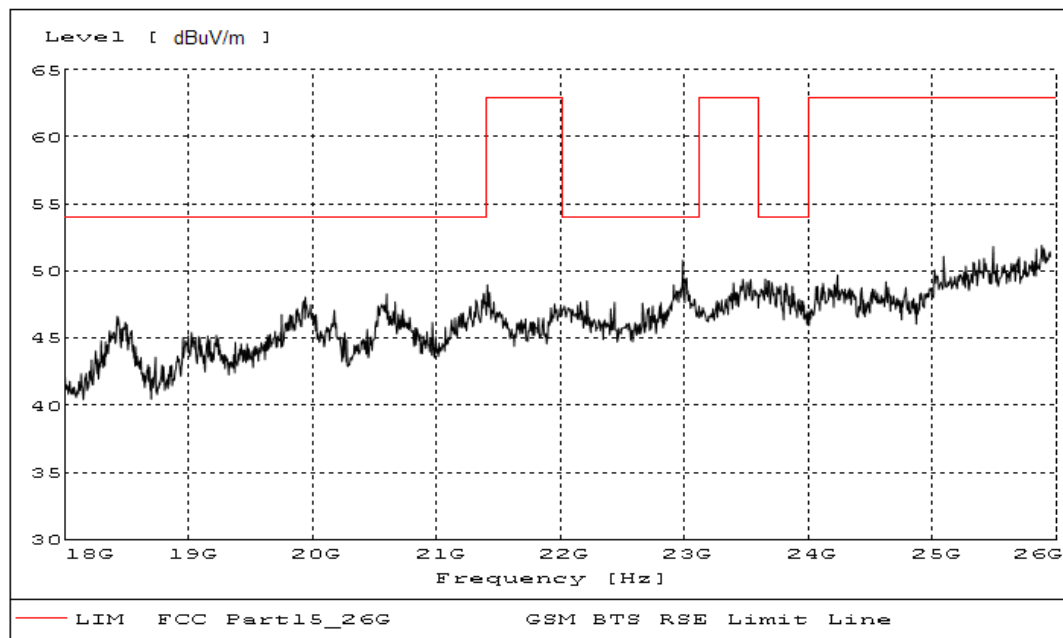
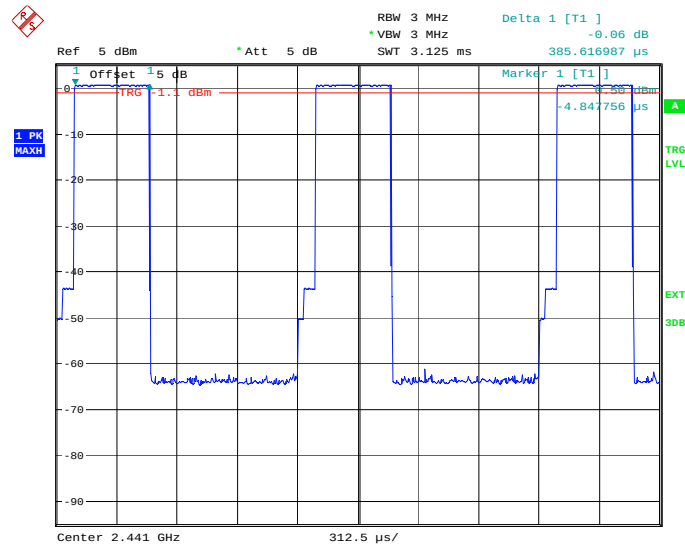
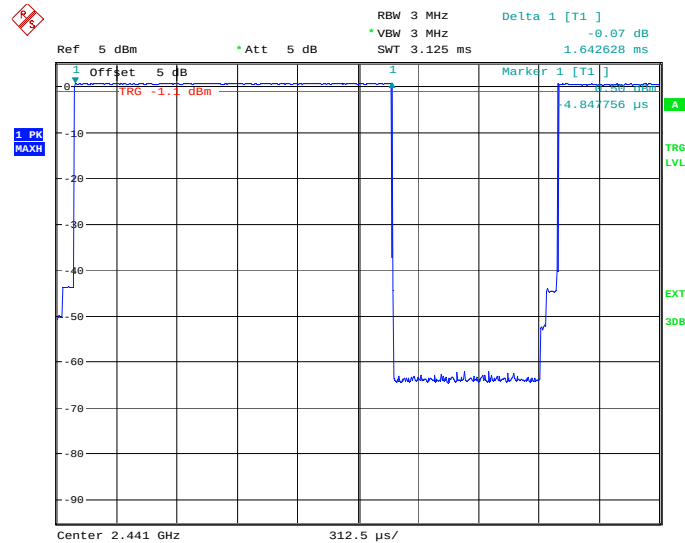


Fig. 24 Radiated emission: 18 GHz - 26 GHz



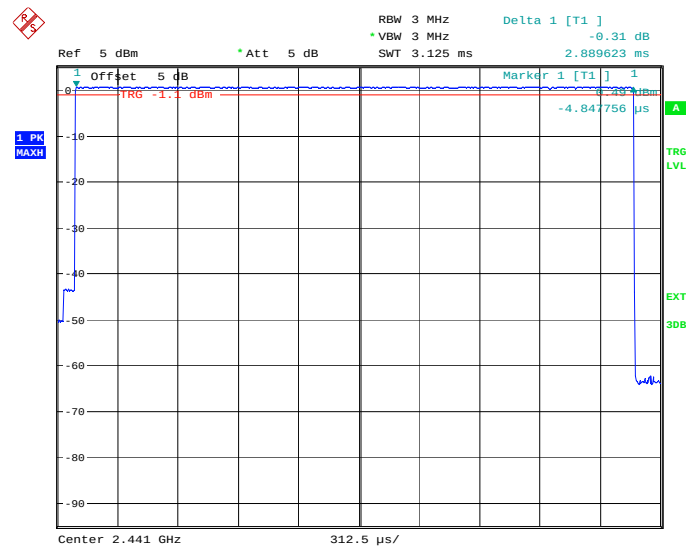
Date: 13.MAY.2009 09:36:02

Fig. 25 Time of occupancy (Dwell Time): Channel 39, Packet DH1



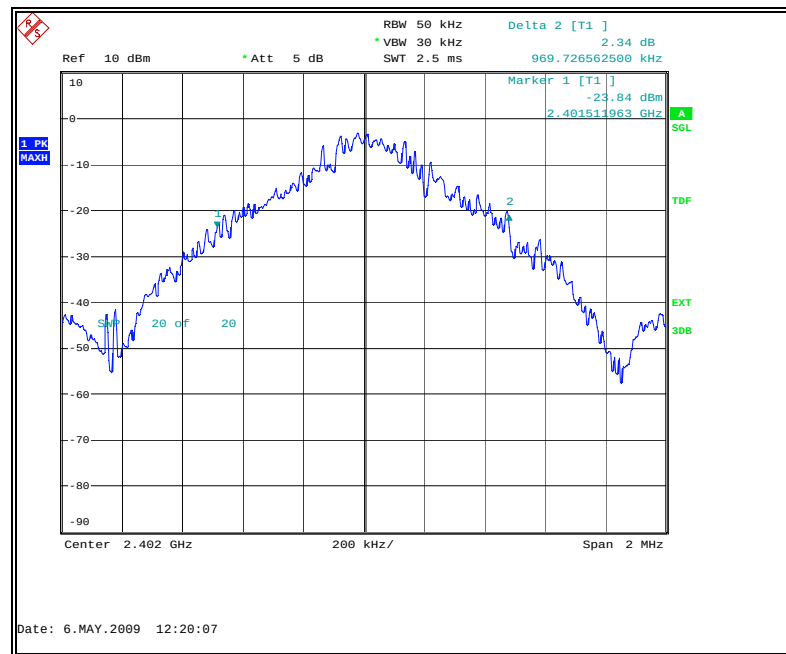
Date: 13.MAY.2009 09:35:25

Fig. 26 Time of occupancy (Dwell Time): Channel 39, Packet DH3



Date: 13.MAY.2009 09:34:32

Fig. 27 Time of occupancy (Dwell Time): Channel 39, Packet DH5



Date: 6.MAY.2009 12:20:07

Fig. 28 20dB Bandwidth: Channel 0

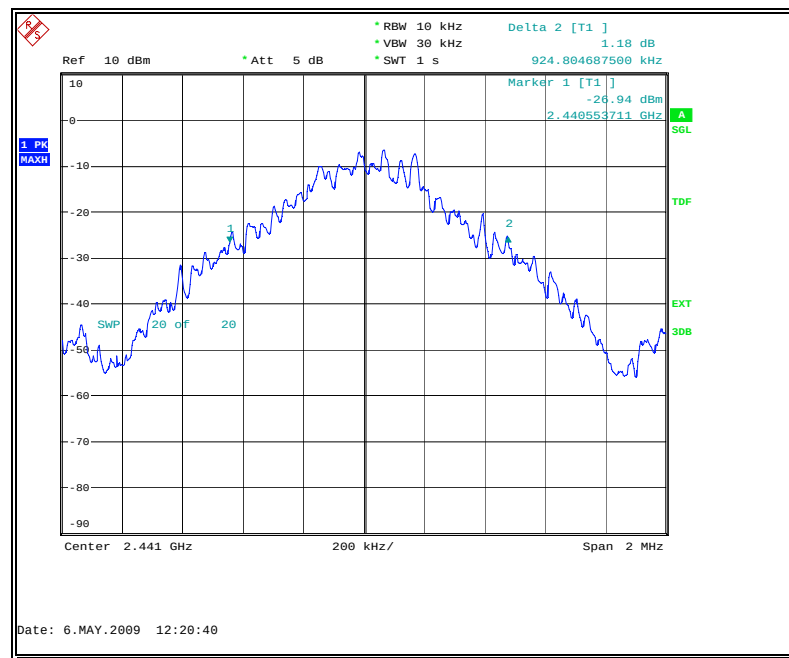


Fig. 29 20dB Bandwidth: Channel 39

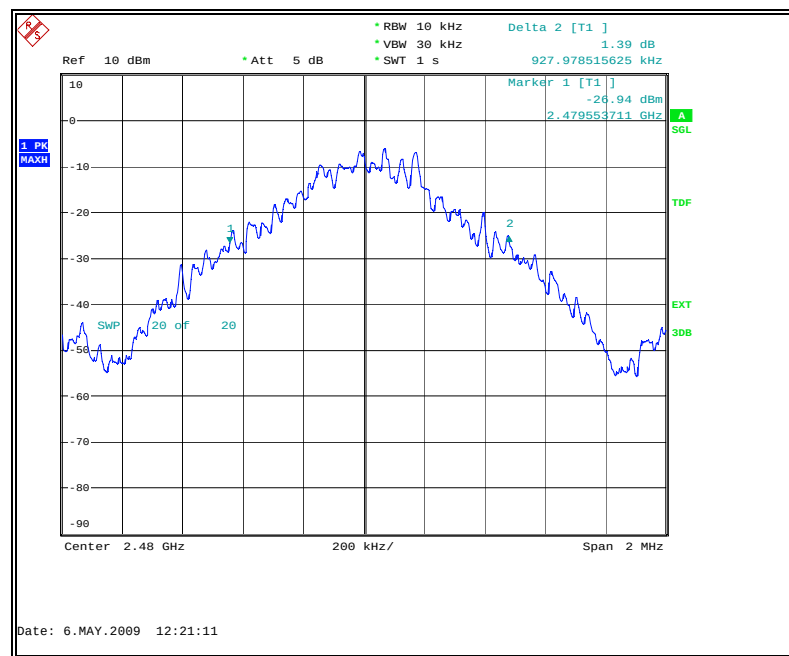


Fig. 30 20dB Bandwidth: Channel 78

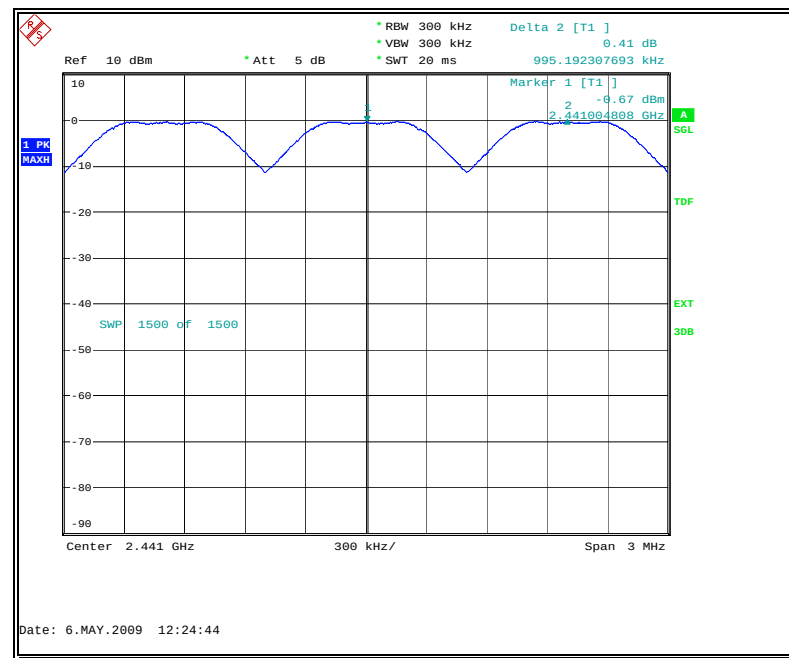


Fig. 31 Carrier frequency separation measurement: Channel 39

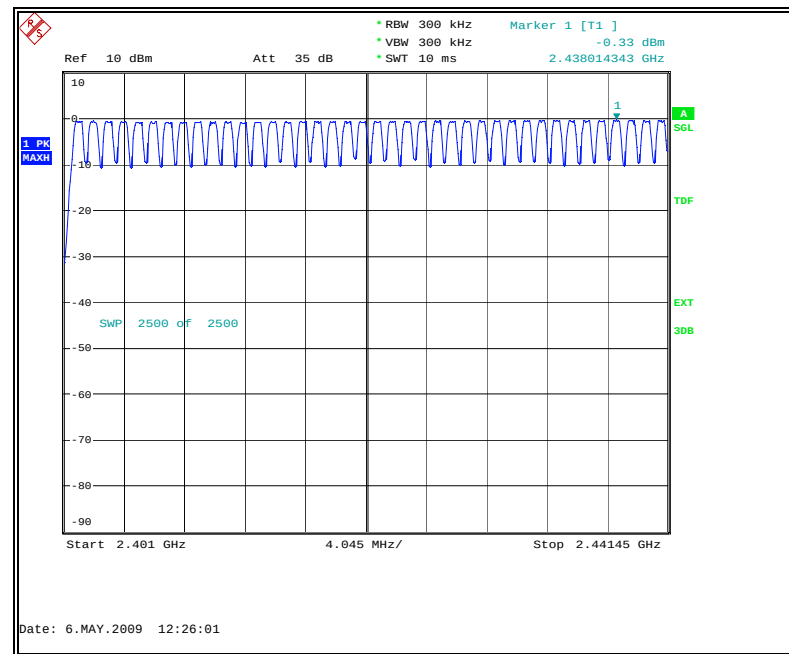


Fig. 32 Number of hopping frequencies: Channel 0 - 39

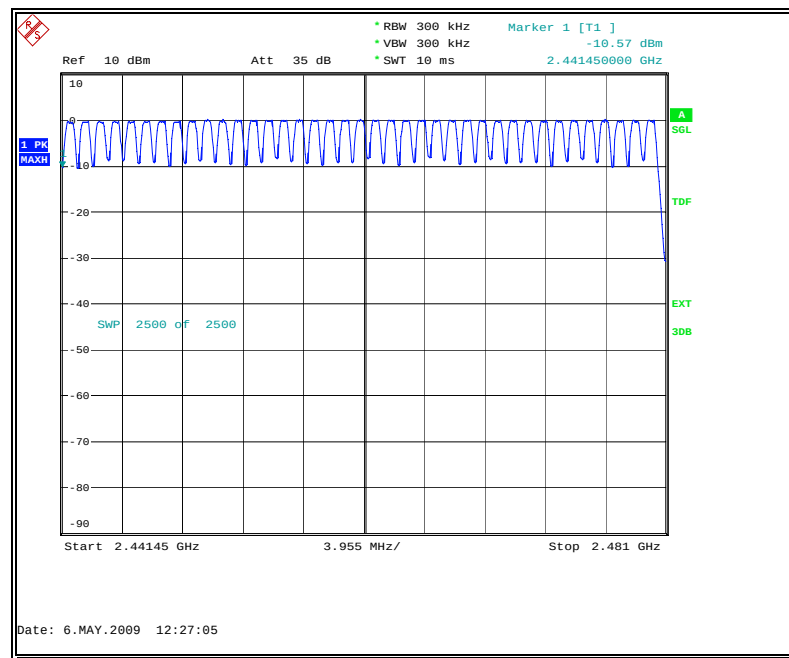


Fig. 33 Number of hopping frequencies: Channel 40 - 78

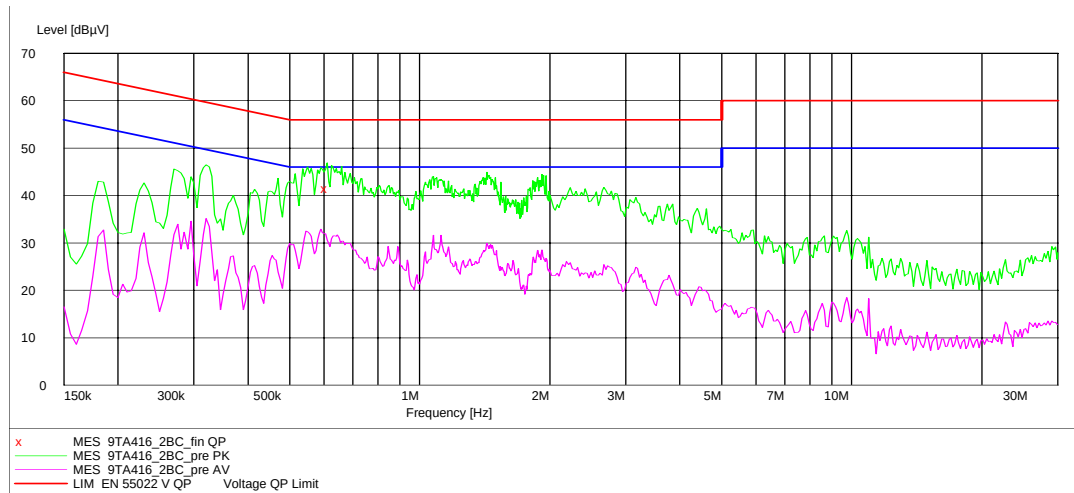


Fig. 34 AC Powerline Conducted Emission with charger 1
Measurement Result: "BC_fin QP"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.610000	41.50	10.1	56	14.5	L1	GND

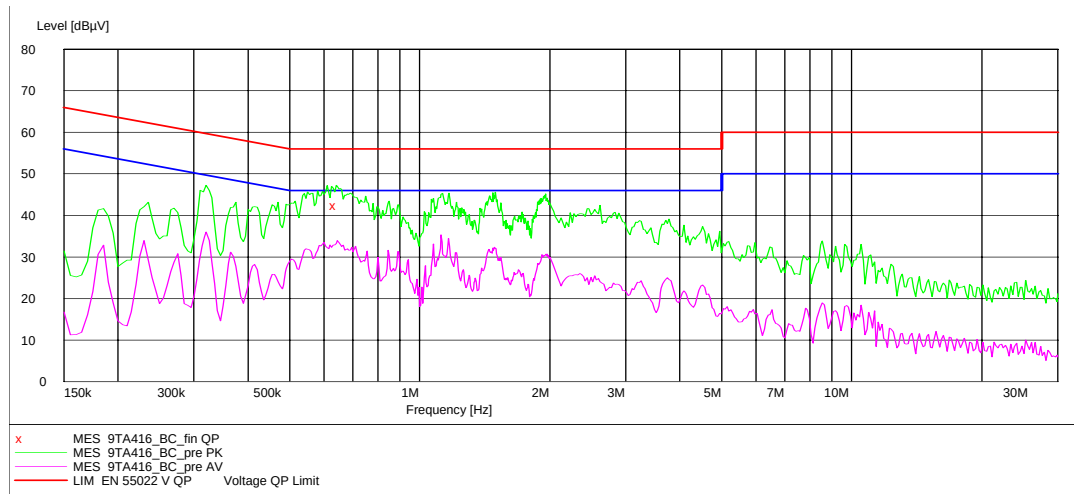


Fig. 35 AC Powerline Conducted Emission with charger 2
Measurement Result: "BC_fin QP"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.640000	42.30	10.1	56	13.7	L1	GND