



AT4 wireless S.A.
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 Folio 174 Hoja MA3729

TEST REPORT

REFERENCE STANDARD:

FCC Rules and Regulations 47 CFR Part 15, Subpart B

&

ANSI C63.4:2003

**FCC Rules and Regulations 47 CFR Part 15, Subpart B: Limits and methods of measurements
 for radio frequency devices. Unintentional radiators**

&

**American National Standard for Methods of Measurements of Radio-Noise Emissions from
 Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.**

NIE	30931REM.001
Approved by	Rafael López
(name / position & signature)	EMC Manager
Elaboration date	2010-01-14
Identification of item tested	TERRESTAR GENUS
Trademark	Genus
Model and/or type reference	TSN-1.1
Other identification of the product	FCC ID: OBW120897 IC: 3282A-120897
Features	GSM850 / GSM900 / GSM1800 / GSM1900 / WCDMA FDD V / WCDMA FDD II / GMR-1 3G / BT / WiFi / A-GPS HW version: FF3.0 SW version SG 55
Description	PDA
Applicant	ELEKTROBIT INC.
Address	22745 29th Drive SE, Suite 200 Bothell, Washintong 98021
CIF/NIF/Passport	91-1746142
Contact person	Tuomo Väinämö
Telephone / Fax	+358 40 3442000 / +358 8 343 032
e-mail:	tuomo.vainamo@elektrobit.com

Test samples supplier	ELEKTROBIT INC.
Address.....	22745 29th Drive SE, Suite 200 Bothell, Washintong 98021
CIF/NIF/Passport.....	91-1746142
Contact person:.....	Tuomo Väinämö
Telephone / Fax	+358 40 3442000 / +358 8 343 032
e-mail:.....	tuomo.vainamo@elektrobit.com
Manufacturer	ELEKTROBIT INC.
Address.....	22745 29th Drive SE, Suite 200 Bothell, Washintong 98021
CIF/NIF/Passport.....	91-1746142
Telephone / Fax	+358 40 3442000 / +358 8 343 032
Test method requested	
Standard.....	FCC Rules and Regulations 47 CFR Part 15 & ANSI C63.4:2003
Test procedure.....	PEEM001; PEEM002
Report template No.....	FDT08_11
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Competences and guarantees

This certificate of conformity was issued in accordance with the decision N° 3/2000 of the Joint Committee established under the Agreement on Mutual Recognition between the European Community and the United States of America. By this decision, AT4 wireless can act as Conformity Assessment Body (CAB) on Electromagnetic Compatibility. This Certificate applies to the samples listed at technical reports.

This laboratory is designed by the Federal Communications Commission (ES0004)

AT4 wireless is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, AT4 wireless has a calibration and maintenance programme for its measurement equipment.

AT4 wireless guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at AT4 wireless at the time of performance of the test.

AT4 wireless is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of AT4 wireless.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of AT4 wireless and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the following AT4 wireless's internal documents:

1. PODT000: Procedure for the measure uncertainty calculation.

Usage of samples

Samples undergoing test have been selected by: ELEKTROBIT INC.

Sample S/01 is composed of the following elements:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
30931/20	PDA (FF3.), R&D (Cellular radio testing)	ELEKTROBIT	TSN1.1	EBL0002271	2009-12-21
30931/10	Battery	SG	---	001031	2009-12-21
29742/74	AC/DC adapter	---	---	---	2009-11-09

Sample S/02 is composed of the following elements:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
30931/22	PDA (FF3.), R&D (SAT FCC)	ELEKTROBIT	TSN1.1	EBL0002205	2009-12-21
30931/15	PDA Battery cover	ELEKTROBIT	---	---	2009-12-21
30931/09	Battery	SG	---	001014	2009-12-21
29742/74	AC/DC adapter	---	---	---	2009-11-09

Sample S/03 (Computer Peripheral device mode) is composed of the following elements:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
30931/20	PDA (FF3.), R&D (Cellular radio testing)	ELEKTROBIT	TSN1.1	EBL0002271	2009-12-21
30931/10	Battery	SG	---	001031	2009-12-21
29742/64	USB cable	---	---	---	2009-11-02

Sample S/04 (Computer Peripheral device mode) is composed of the following elements:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
30931/22	PDA (FF3.), R&D (SAT FCC)	ELEKTROBIT	TSN1.1	EBL0002205	2009-12-21
30931/15	PDA Battery cover	ELEKTROBIT	---	---	2009-12-21
30931/09	Battery	SG	---	001014	2009-12-21
29742/64	USB cable	---	---	---	2009-11-02

With the samples S/03 & S/04 it was used the next auxiliary element:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
---	Tabletop mounted tower PC	Cofiman	---	---	Property of AT4 wireless.
---	Keyboard	Logitech	Deluxe keyboard	867640 0104	Property of AT4 wireless.
---	Mouse	---	CLLMEASY	08040 1626	Property of AT4 wireless.
---	Monitor	Philips	170S	BZ000544231961	Property of AT4 wireless.
---	Serial/parallel ports loads	---	---	---	Property of AT4 wireless.

Samples S/01, S/02, S/03 & S/04 has undergone the next test(s):

- Continuous conducted emission, power leads:
 - Standard: FCC Rules and Regulations 47 CFR Part 15 & ANSI C63.4: 2003
 - Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B (Class B) & ANSI C63.4: 2003
- Radiated emission, electromagnetic field:
 - Standard: FCC Rules and Regulations 47 CFR Part 15 & ANSI C63.4: 2003
 - Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B (Class B) & ANSI C63.4: 2003

Testing period

The performed test started on 2009-12-22 and finished on the 2009-12-28.

The tests have been performed at AT4 wireless.

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 80 %
Shielding effectiveness	> 100 dB
Electric insulation	> 10 k Ω
Reference resistance to earth	< 0,5 Ω

In the semianechoic chamber (21 meters x 11 meters x 8 meters), the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 30 °C
Relative humidity	Min. = 45 % Max. = 60 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 k Ω
Reference resistance to earth	< 0,5 Ω
Normal site attenuation (NSA)	< ± 4 dB at 10 m distance between item under test and receiver antenna, (30 MHz to 1000 MHz)
Field homogeneity	More than 75% of illuminated surface is between 0 and 6 dB (26 MHz to 1000 MHz).

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 30 °C
Relative humidity	Min. = 45 % Max. = 60 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 k Ω
Reference resistance to earth	< 0,5 Ω

Summary

Considering the results of the performed test according to standard **FCC Rules and Regulations 47 CFR Part 15, Subpart B & ANSI C63.4: 2003**, the items under test are **IN COMPLIANCE** with the requested specifications specified in the standard.

NOTE: The results presented in this Test Report apply only to the particular item under test established in page 1 of this document, as presented for test on the date(s) shown in section, "USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS".

Remarks and comments

The tests have been realized by the technical personnel: José Carlos Luque & José Manuel Márquez González .

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 150 kHz to 30 MHz is $I = \pm 3,60$ dB for quasi-peak measurements, $I = \pm 3,48$ dB for peak measurements ($k = 2$).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 30 MHz to 1 GHz is $I = \pm 4,57$ dB for quasi-peak measurements, $I = \pm 4,48$ dB for peak measurements ($k = 2$) and from 1 to 12,75 GHz is $I = \pm 3,43$ dB for average and peak measurements.

Testing verdicts

Not applicable: NA

Pass.....: P

Fail: F

Not measured.....: NM

APPENDIX A

Test Result

APPENDIX A CONTENT:

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DESCRIPTION OF THE OPERATION MODES

The operation modes described in this paragraph constitute a functionality of the sample under test for itself. Every operation mode takes a failure criteria for the immunity test that they were applying to it and a monitoring to guarantee performance of the same ones.

In the following table appears the operation modes used by the samples tested to that it refers the present test report.

OPERATION MODE	DESCRIPTION
OM#01	EUT ON. IDLE 850 MHz. Bluetooth ON. Charging batteries.
OM#02	EUT ON. IDLE 1900 MHz. Bluetooth ON. Charging batteries.
OM#03	EUT ON. IDLE UMTS FDD II. Bluetooth ON. Charging batteries.
OM#04	EUT ON. IDLE UMTS FDD V. Bluetooth ON. Charging batteries.
OM#05	EUT ON. IDLE WiFi. Bluetooth ON. Charging batteries.
OM#06	EUT ON. IDLE SAT. Bluetooth ON. Charging batteries.
OM#07	EUT ON. TCH 850 MHz. Bluetooth Tx. Charging batteries.
OM#08	EUT ON. TCH 1900MHz. Bluetooth Tx. Charging batteries.
OM#09	EUT ON. TCH UMTS FDD II. Bluetooth Tx. Charging batteries.
OM#10	EUT ON. TCH UMTS FDD V. Bluetooth Tx. Charging batteries.
OM#11	EUT ON. TCH WiFi. Bluetooth Tx. Charging batteries.
OM#12	EUT ON. TCH SAT. Bluetooth Tx. Charging batteries.

*Power supply: 115Vac or by means of the tabletop PC USB port, depending of the used sample.

RADIATED EMISSION. ELECTROMAGNETIC FIELD MEASURE.

LIMITS:	Product standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ANSI C63.4:2003
	Test standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ANSI C63.4:2003

LIMITS OF INTERFERENCE CLASS B

The applied limit for radiated emissions, 3 m distance, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B & ANSI C63.4:2003 in the frequency range 30 MHz to 12,5 GHz, for Class B equipment, which is a transmitter in a band over 500 MHz, was:

Frequency range (MHz)	Limit for 3 m ($\mu\text{V/m}$)	Limit for 3 m (dB $\mu\text{V/m}$)
30 to 88	100	40
88 to 216	150	43,52
216 to 960	200	46,02
Above 960	500	53,98

TESTED SAMPLES:	S/01, S/02, S/03 & 04
TESTED OPERATION MODES:	OM#01 to 06
TEST RESULTS :	CRmmnn: CR, Radiation Condition; mm: Sample number; nn: Operation mode, xx: Polarisation.

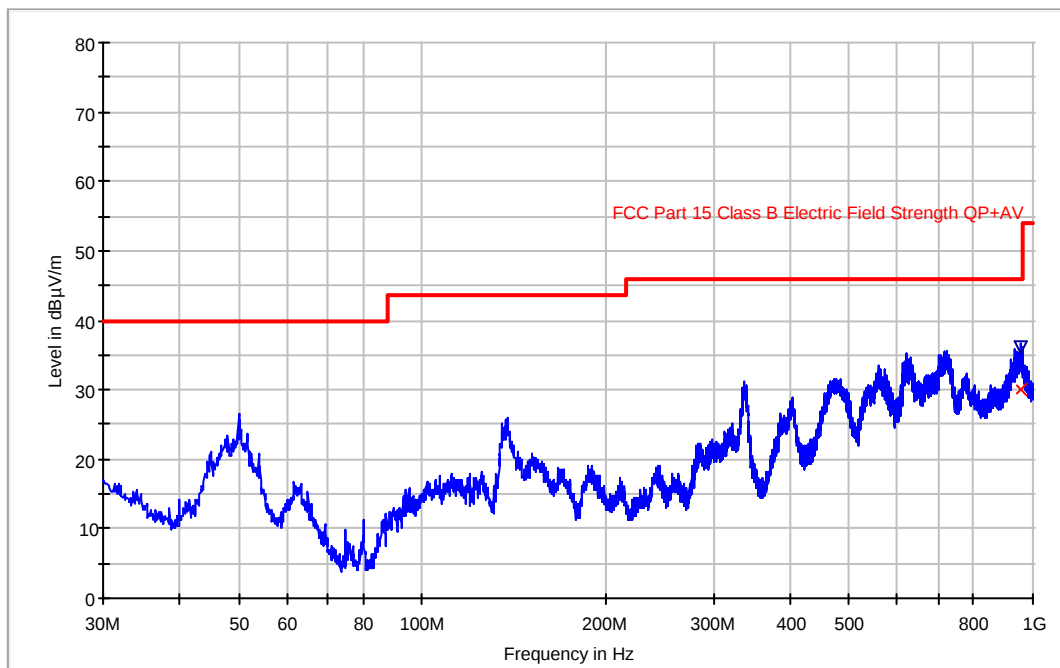
CRmmnn	Description	Result
CR0101	EUT ON. Idle 850 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0102	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0103	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0104	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0105	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0206	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0301	EUT ON. Idle 850 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0302	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0303	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P

CRmmnn	Description	Result
CR0304	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0305	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0406	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 30 - 1000 MHz.	P
CR0101PH	EUT ON. Idle 850MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0101PV	EUT ON. Idle 850MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0102PH	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0102PV	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0103PH	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0103PV	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0104PH	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0104PV	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0105PH	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0105PV	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0206PH	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0206PV	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0301PH	EUT ON. Idle 850MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0301PV	EUT ON. Idle 850MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0302PH	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0302PV	EUT ON. Idle 1900 MHz. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0303PH	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0303PV	EUT ON. Idle UMTS FDD II. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0304PH	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0304PV	EUT ON. Idle UMTS FDD V. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0305PH	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0305PV	EUT ON. Idle WiFi. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P
CR0406PH	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Horizontal polarisation.	P
CR0406PV	EUT ON. Idle SAT. Bluetooth ON. Charging batteries. (Power supply input: 115Vac). Range 1 - 12.5 GHz. Vertical polarisation.	P

Radiated Emission: CR0101 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#01
 Date: 2009-12-23 08:47
 Setup: EMI radiated
 Mode: EUT ON. Idle 850MHz + BT on.

FCC class B Bilog Hibrida



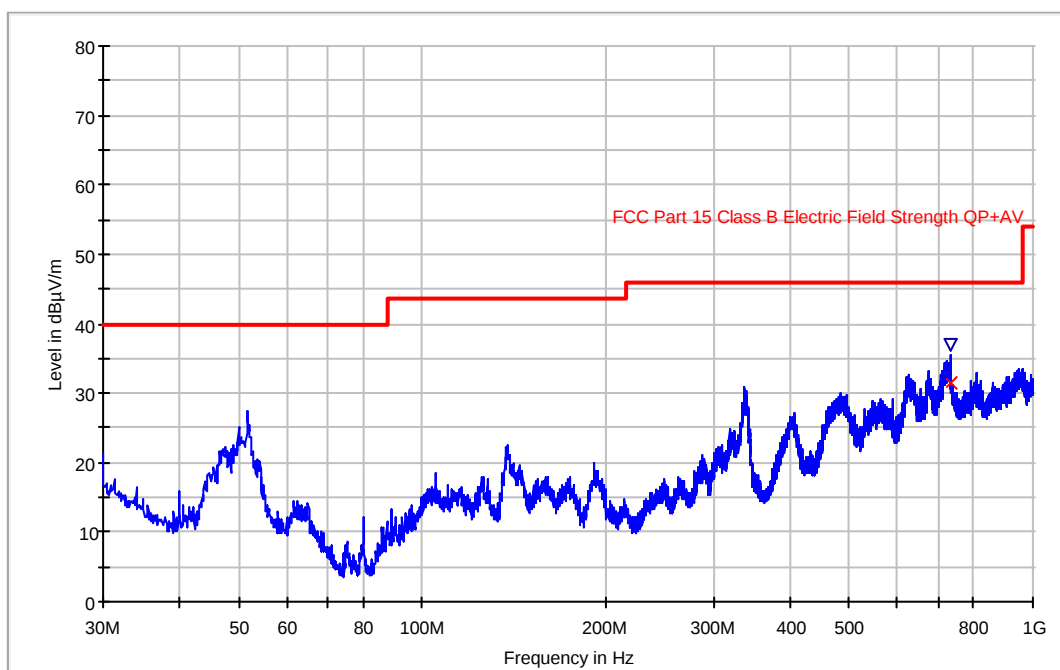
Maximized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
956.968337	30.1	36.2	254.00	H	92.0

Radiated Emission: CR0102 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#02
 Date: 2009-12-23 09:15
 Setup: EMI radiated
 Mode: EUT ON. Idle 1900MHz + BT on.

FCC class B Bilog Hibrida



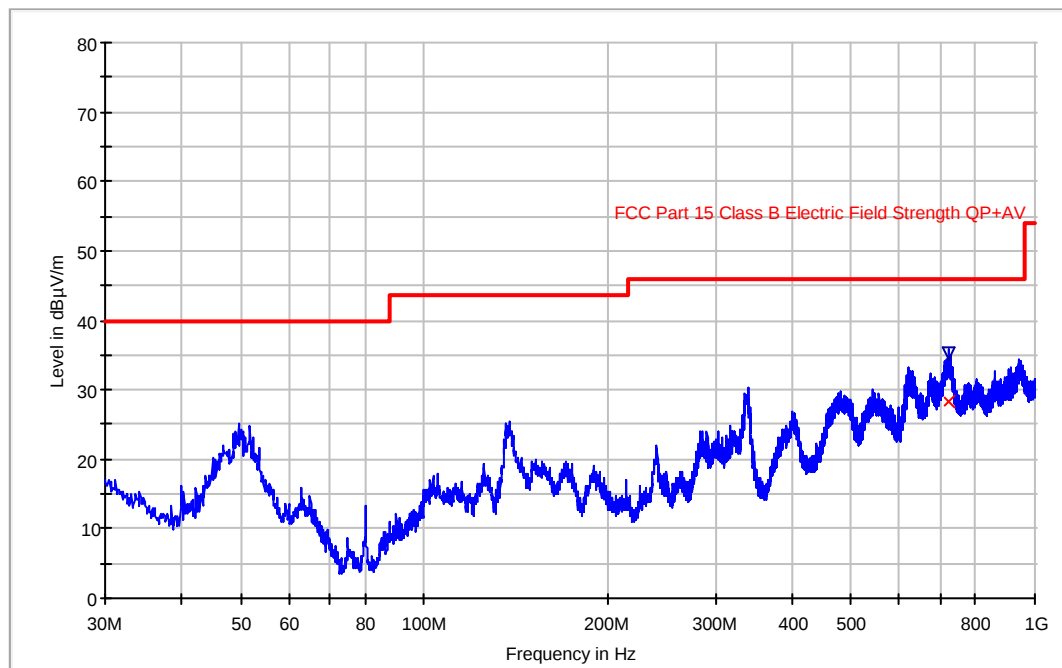
Maximized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
731.080962	31.5	36.9	143.00	H	49.0

Radiated Emission: CR0103 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#03
 Date: 2009-12-23 09:38
 Setup: EMI radiated
 Mode: EUT ON. Idle UMTS FDD II + BT on.

FCC class B Bilog Hibrida



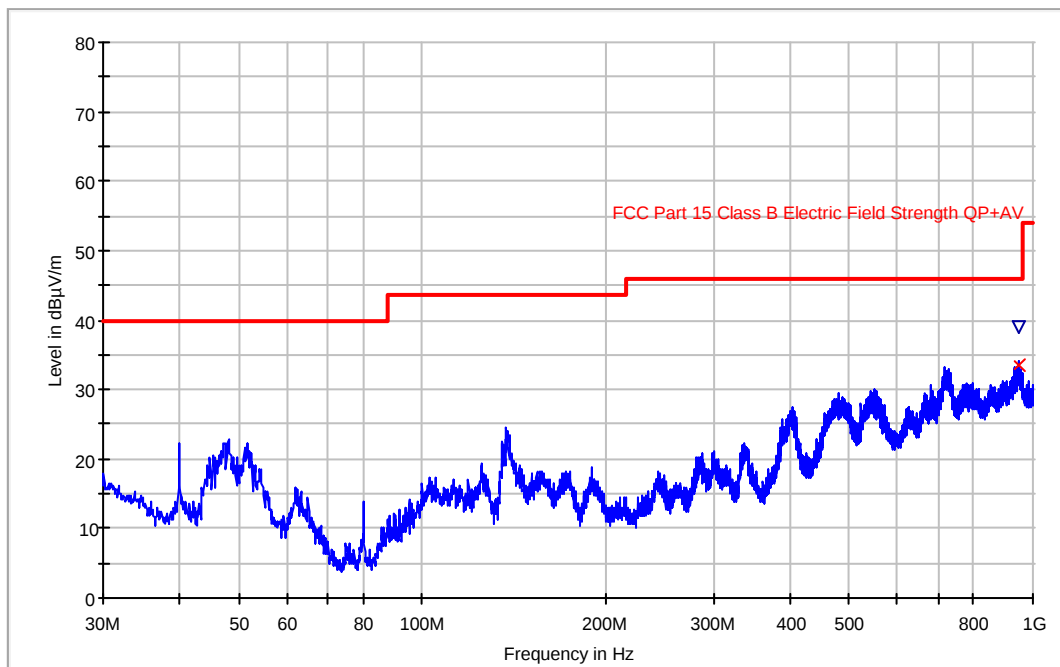
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Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
722.154509	28.3	35.1	135.00	H	60.0

Radiated Emission: CR0104 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#04
 Date: 2009-12-23 10:02
 Setup: EMI radiated
 Mode: EUT ON. Idle UMTS FDD V + BT on.

FCC class B Bilog Hibrida



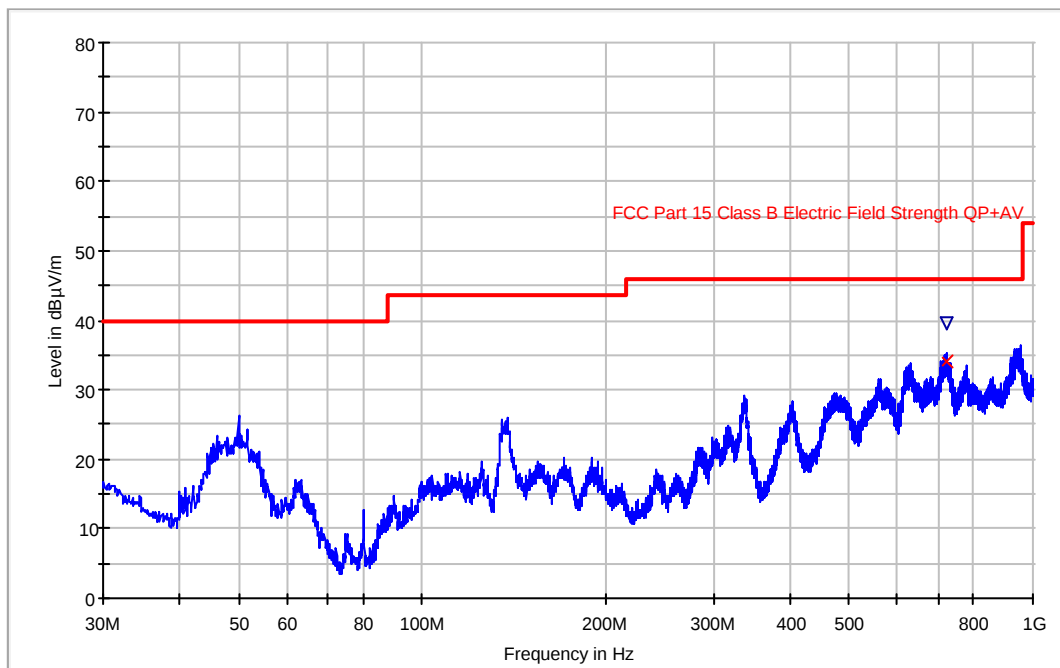
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Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
946.228056	33.5	39.0	164.00	H	218.0

Radiated Emission: CR0105 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#05
 Date: 2009-12-23 11:20
 Setup: EMI radiated
 Mode: EUT ON. Idle WIFI + BT on.

FCC class B Bilog Hibrida



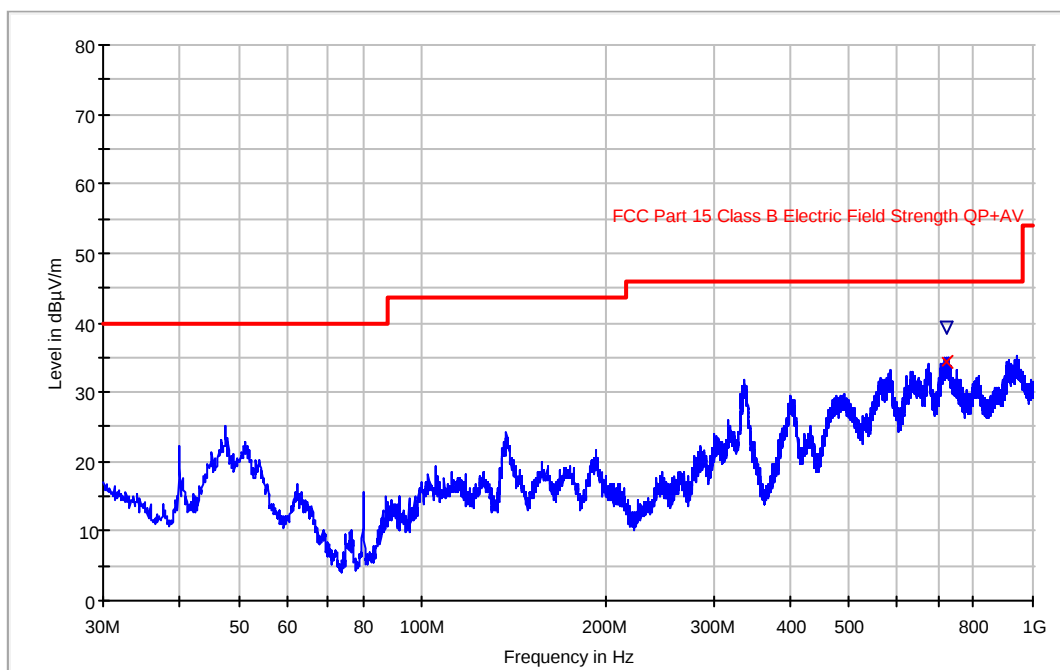
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Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
721.268737	33.9	39.6	124.00	H	243.0

Radiated Emission: CR0206 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#06
 Date: 2009-12-23 12:18
 Setup: EMI radiated
 Mode: EUT ON. Idle SAT + BT on.

FCC class B Bilog Hibrida



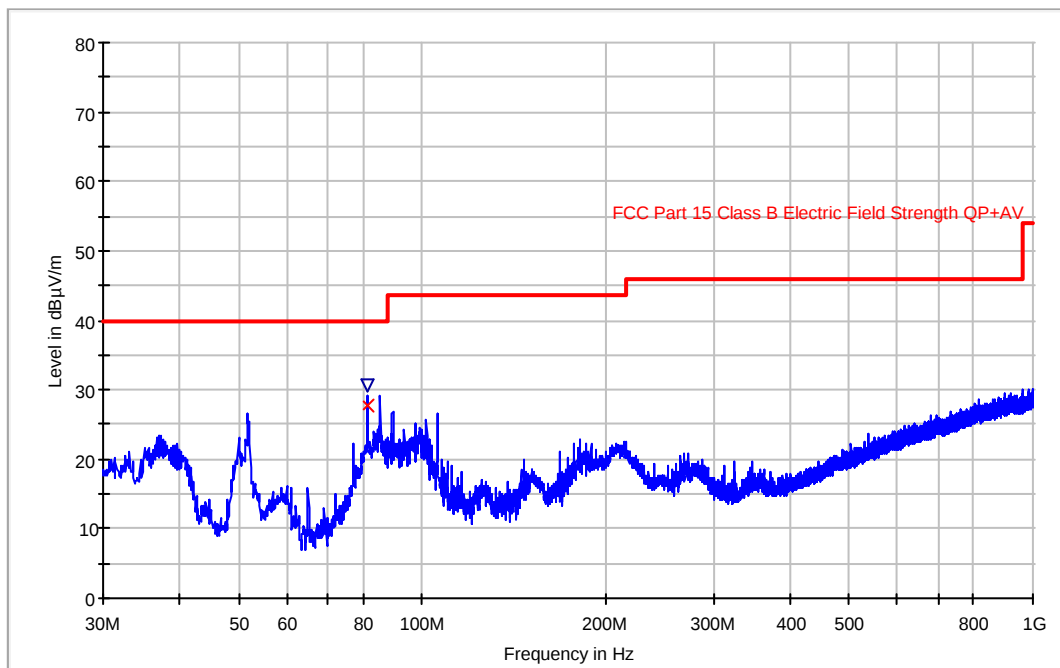
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Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
724.944489	34.5	39.2	124.00	H	238.0

Radiated Emission: CR0301 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-23 14:29
 Setup: EMI radiated
 Mode: EUT ON. Idle 850MHz + BT on.

FCC class B Bilog Hibrida



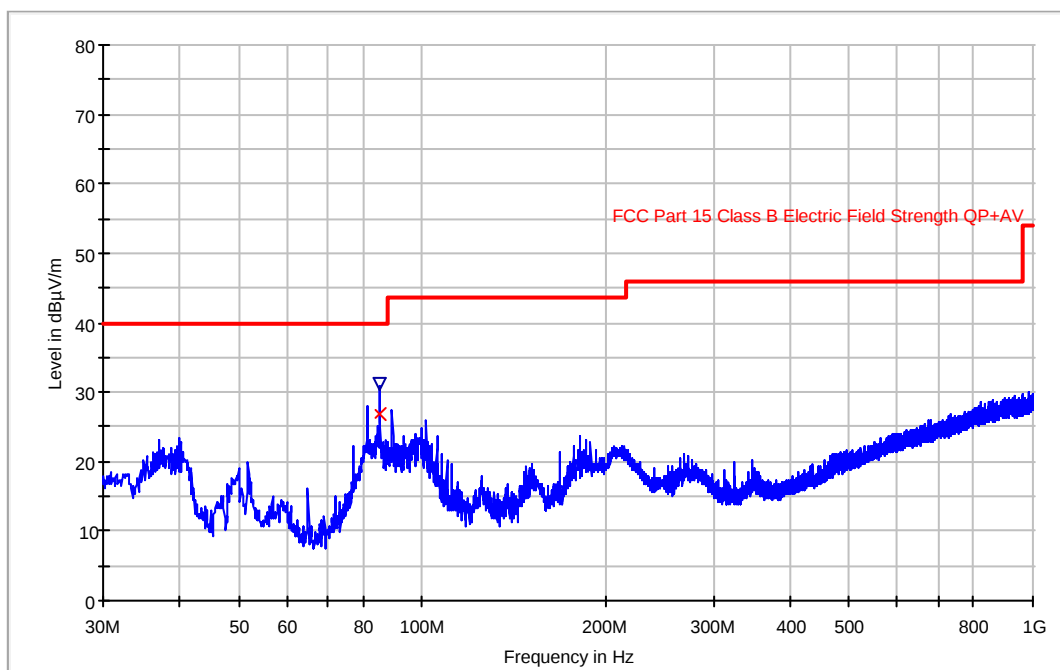
Maximized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
81.288978	27.6	30.5	182.00	V	356.0

Radiated Emission: CR0302 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#02
 Date: 2009-12-23 14:58
 Setup: EMI radiated
 Mode: EUT ON. Idle 1900MHz + BT on.

FCC class B Bilog Hibrida



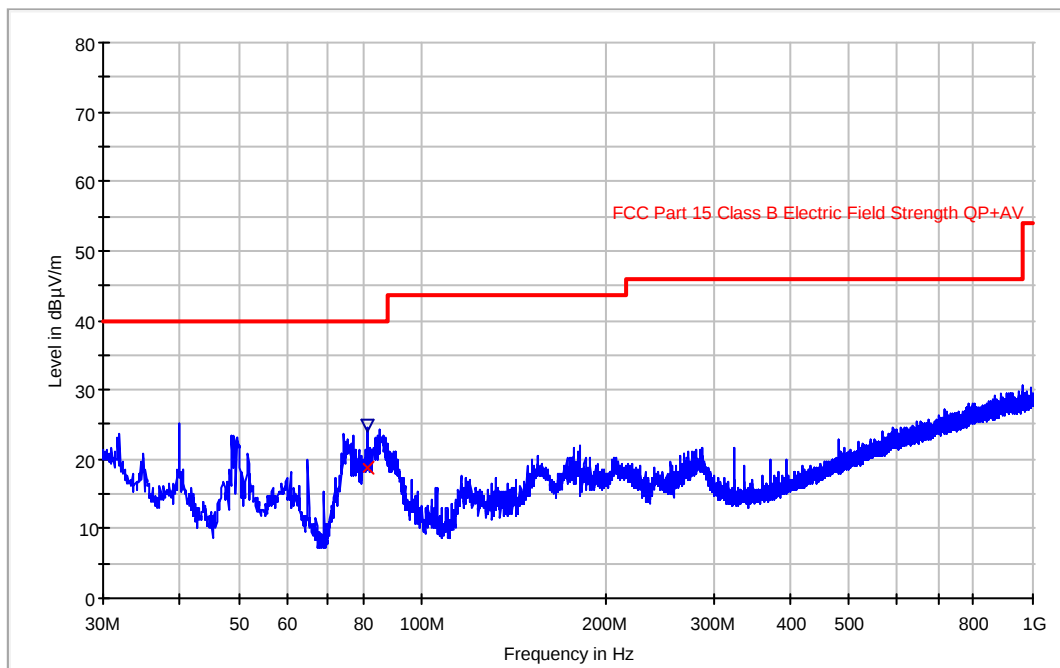
Maximized

Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
85.288978	26.9	31.3	173.00	V	356.0

Radiated Emission: CR0303 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#03
 Date: 2009-12-23 16:06
 Setup: EMI radiated
 Mode: EUT ON. Idle UMTS FDD Band II + BT on.

FCC class B Bilog Hibrida



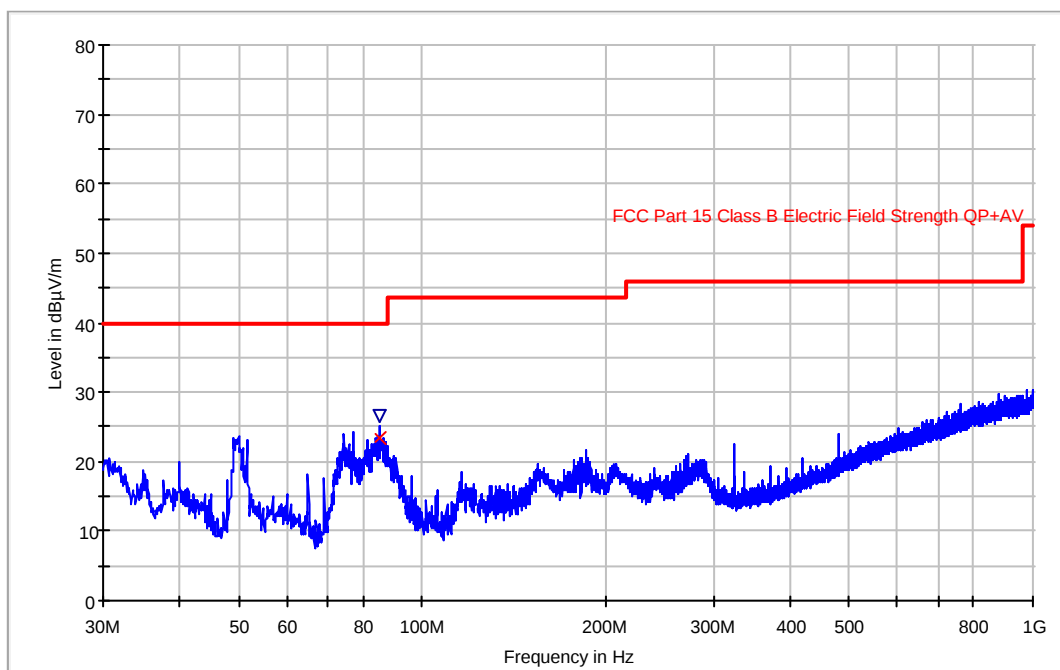
Maximized

Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
81.325251	18.7	24.9	235.00	V	34.0

Radiated Emission: CR0304 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#04
 Date: 2009-12-23 16:59
 Setup: EMI radiated
 Mode: EUT ON. Idle UMTS FDD Band V + BT on.

FCC class B Bilog Hibrida



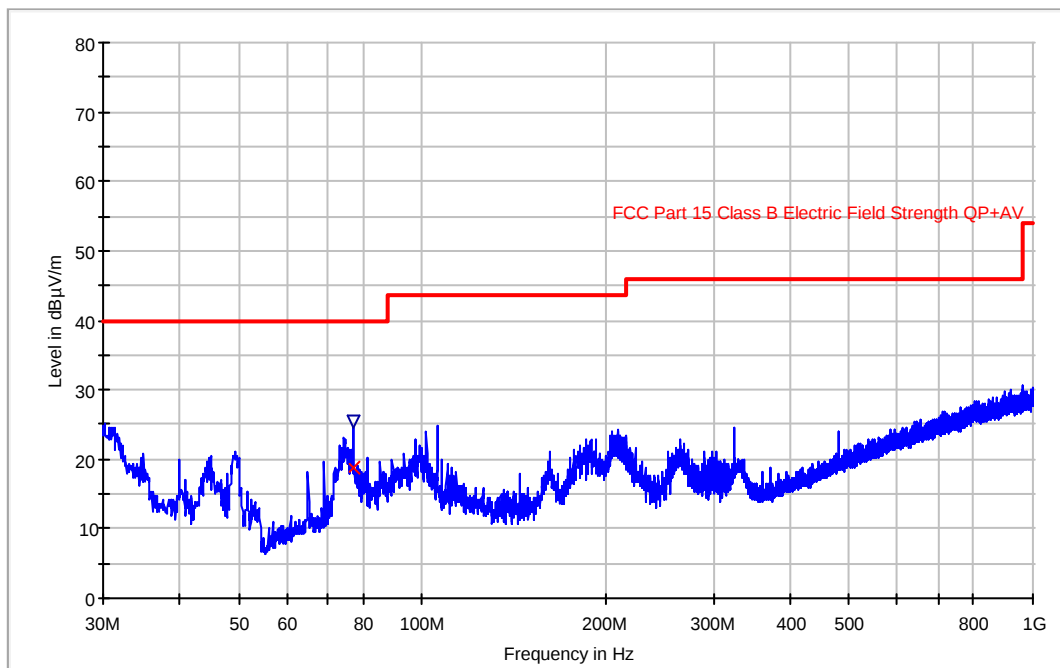
Maxmized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
85.090581	23.4	26.6	186.00	H	103.0

Radiated Emission: CR0305 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#05
 Date: 2009-12-23 17:08
 Setup: EMI radiated
 Mode: EUT ON. Idle WIFI + BT on.

FCC class B Bilog Hibrida



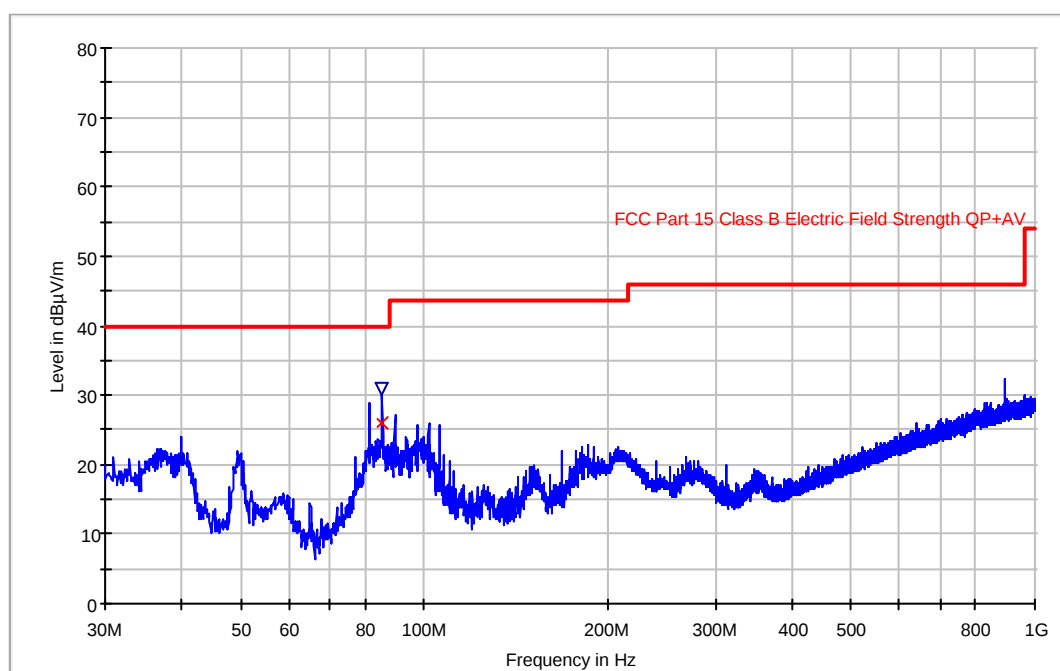
Maximized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
77.253106	18.8	25.5	224.00	V	358.0

Radiated Emission: CR0406 (30MHz to 1GHz)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#06
 Date: 2009-12-23 13:53
 Setup: EMI radiated
 Mode: EUT ON. Idle SAT + BT on.

FCC class B Bilog Hibrida



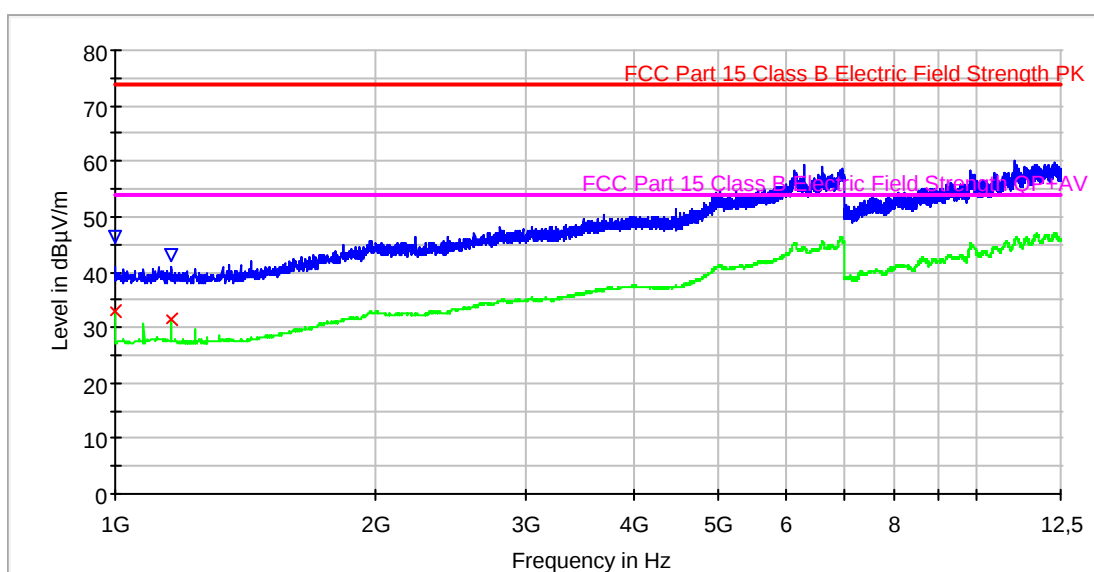
Maximized

Frequency (MHz)	QuasiPeak (dBμV/m)	MaxPeak (dBμV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
85.356914	26.1	30.8	145.00	V	12.0

Radiated Emission: CR0101_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#01
 Date: 2009-12-23 20:06
 Setup: EMI radiated
 Mode: EUT ON. IDLE 850MHz + BT ON. Horizontal polarization.

FCC 1-12.5GHz class B



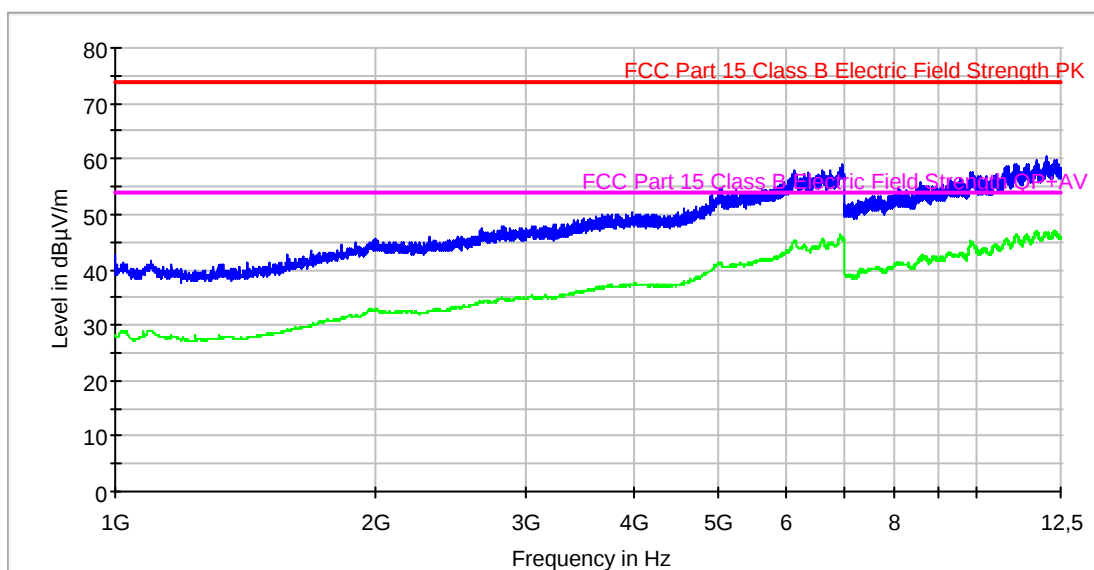
Max Pk-AVG

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)
1000.000000	46.2	32.9
1160.000000	43.0	31.6

Radiated Emission: CR0101_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#01
 Date: 2009-12-23 20:11
 Setup: EMI radiated
 Mode: EUT ON. IDLE 850MHz + BT ON. Vertical polarization.

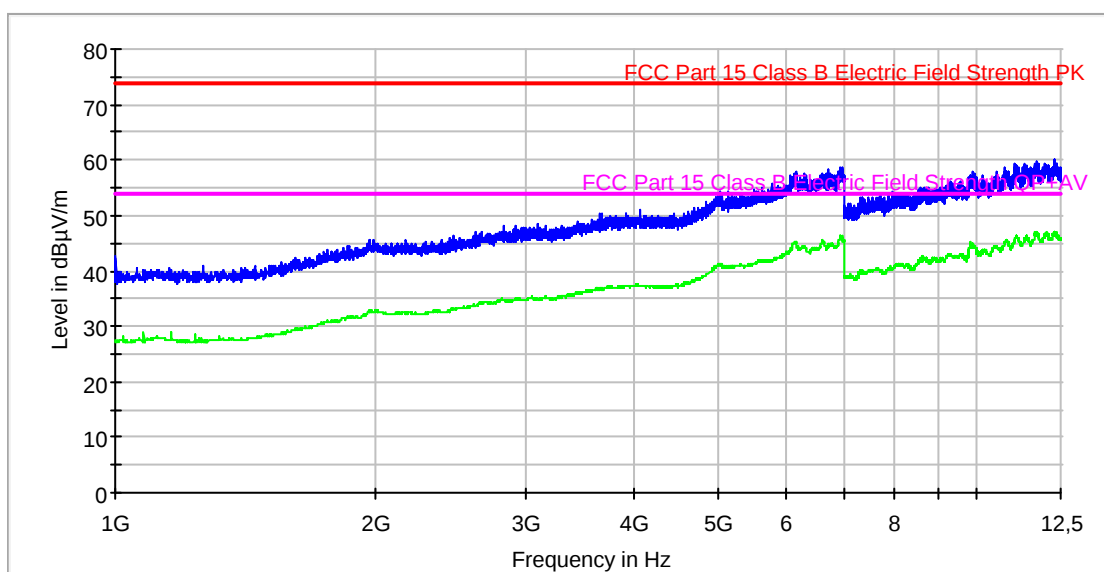
FCC 1-12.5GHz class B



Radiated Emission: CR0102_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#02
 Date: 2009-12-23 20:22
 Setup: EMI radiated
 Mode: EUT ON. IDLE 1900MHz + BT ON. Horizontal polarization.

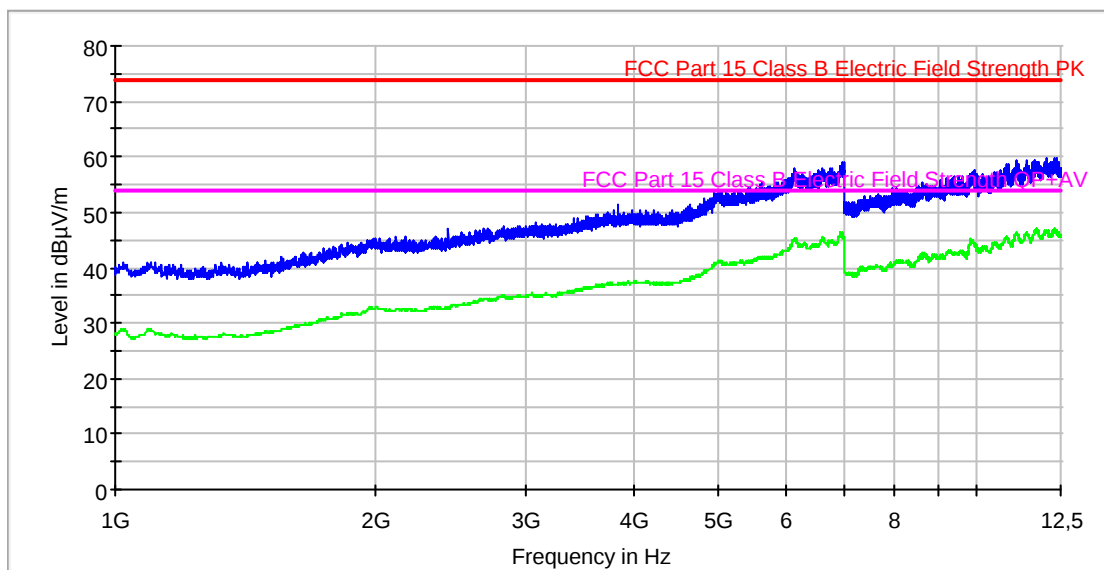
FCC 1-12.5GHz class B



Radiated Emission: CR0102_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#02
 Date: 2009-12-23 20:17
 Setup: EMI radiated
 Mode: EUT ON. IDLE 1900MHz + BT ON. Vertical polarization.

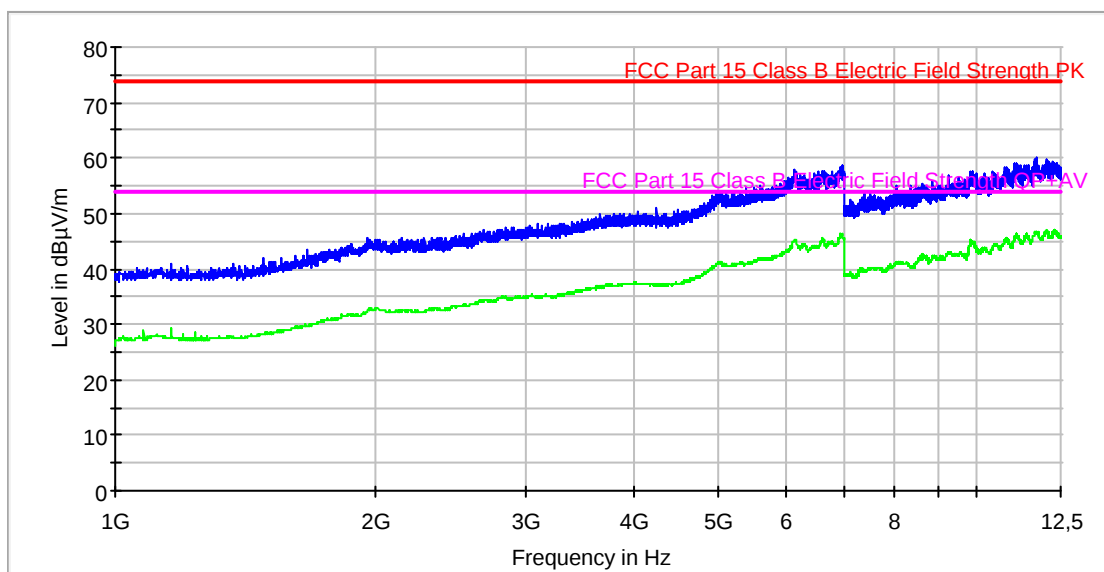
FCC 1-12.5GHz class B



Radiated Emission: CR0103_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#03
 Date: 2009-12-23 20:28
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band II + BT ON. Horizontal polarization.

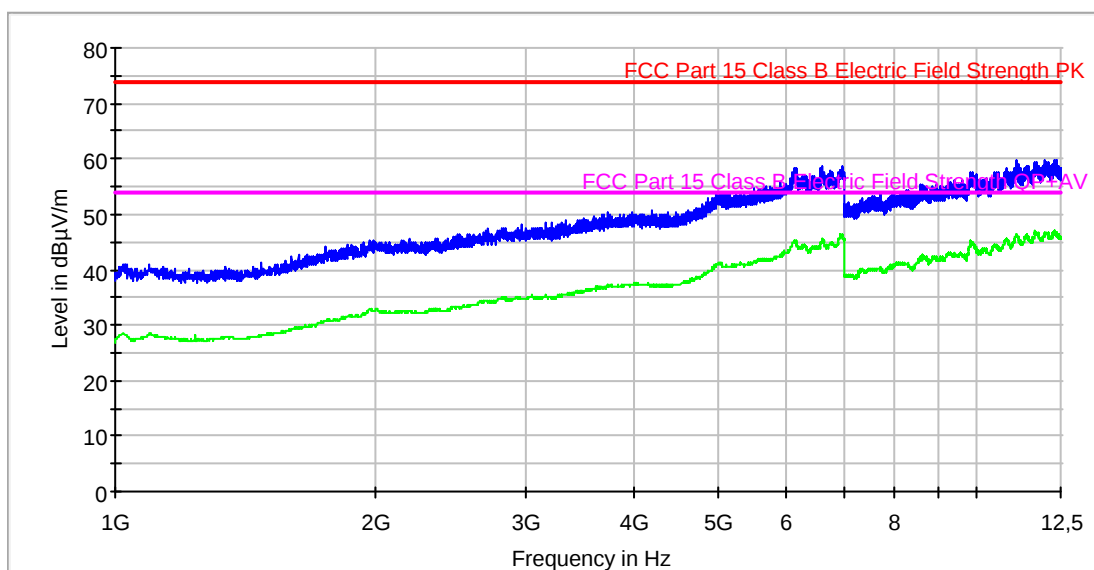
FCC 1-12.5GHz class B



Radiated Emission: CR0103_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#03
 Date: 2009-12-23 20:32
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band II + BT ON. Vertical polarization.

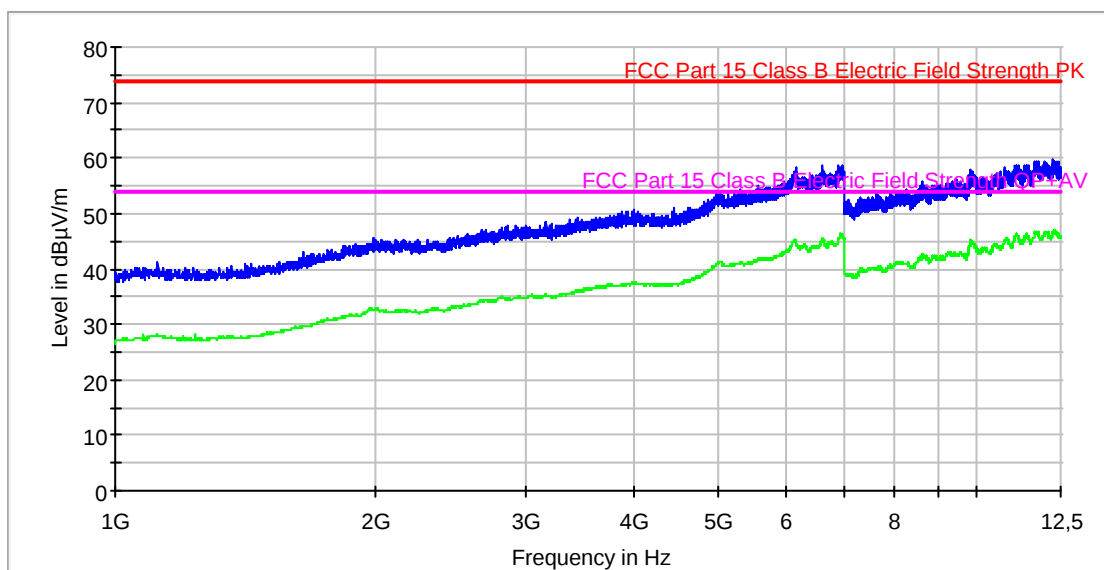
FCC 1-12.5GHz class B



Radiated Emission: CR0104_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#04
 Date: 2009-12-23 20:46
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band V + BT ON. Horizontal polarization.

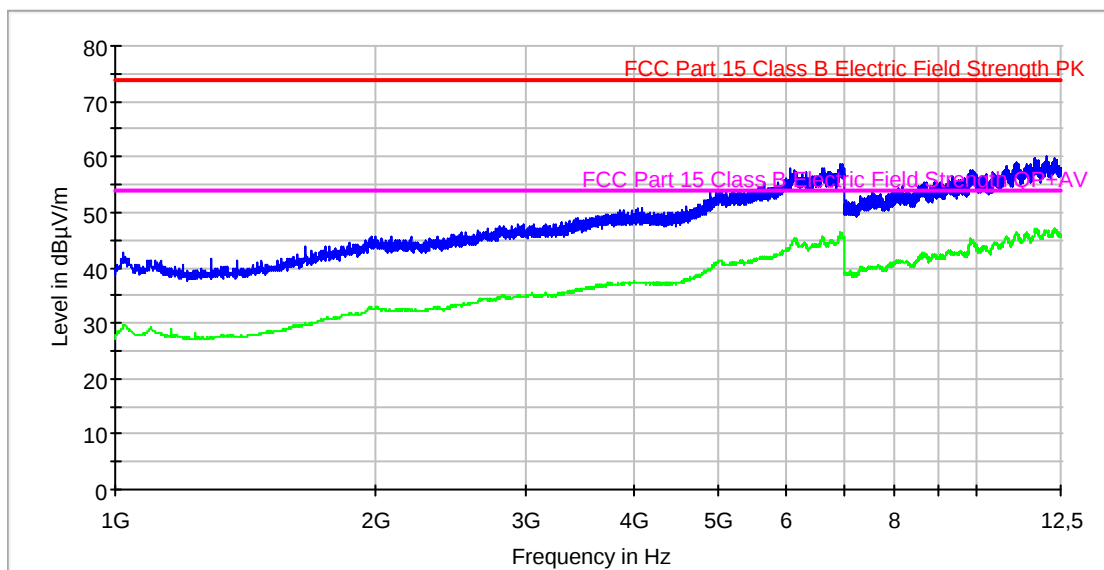
FCC 1-12.5GHz class B



Radiated Emission: CR0104_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#04
 Date: 2009-12-23 20:42
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band V + BT ON. Vertical polarization.

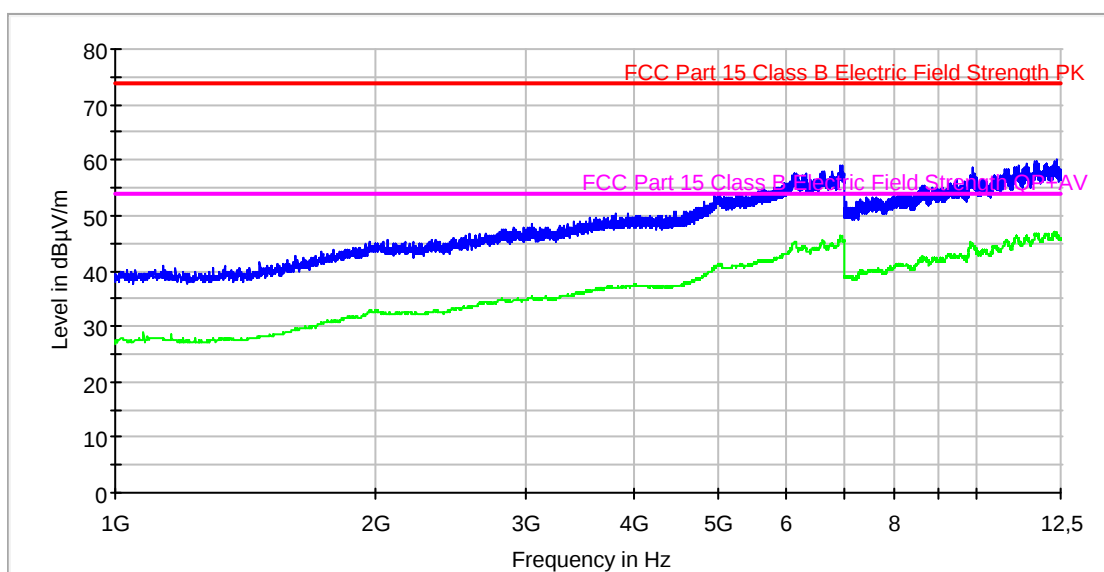
FCC 1-12.5GHz class B



Radiated Emission: CR0105_PH (1GHz to 12.5GHz Horizontal polarization)

Proyecto: 30931iem.001
 Empresa: ELEKTROBIT
 Muestra: S/01
 Modo operacion: OM#05
 Fecha: 2009-12-23 20:50
 Setup: EMI radiated
 Mode: EUT ON. IDLE WIFI + BT ON. Horizontal polarization.

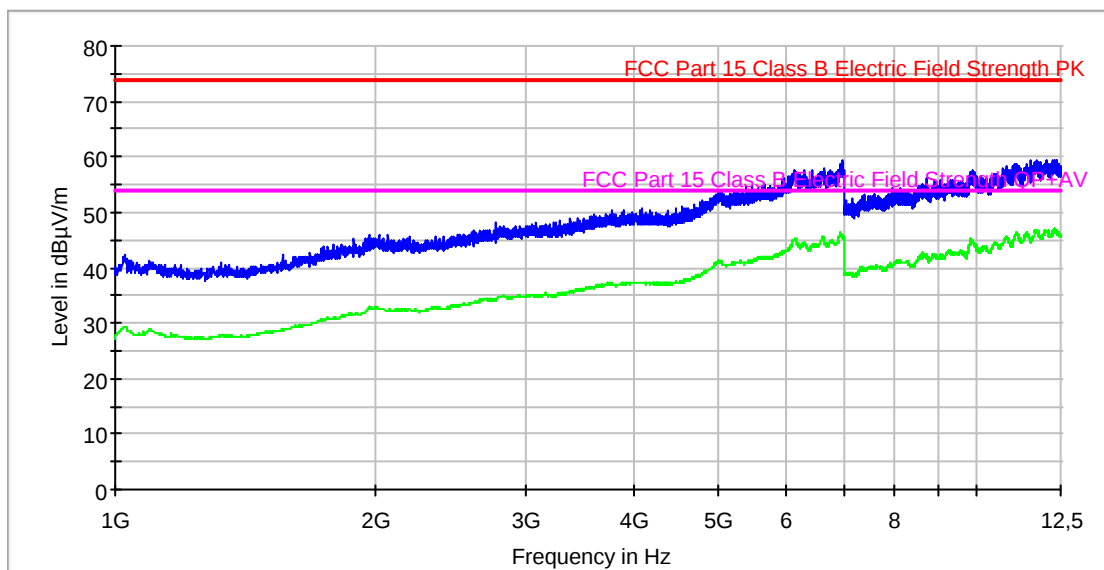
FCC 1-12.5GHz class B



Radiated Emission: CR0105_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/01
 Operation mode: OM#05
 Date: 2009-12-23 20:54
 Setup: EMI radiated
 Mode: EUT ON. IDLE WIFI + BT ON. Vertical polarization.

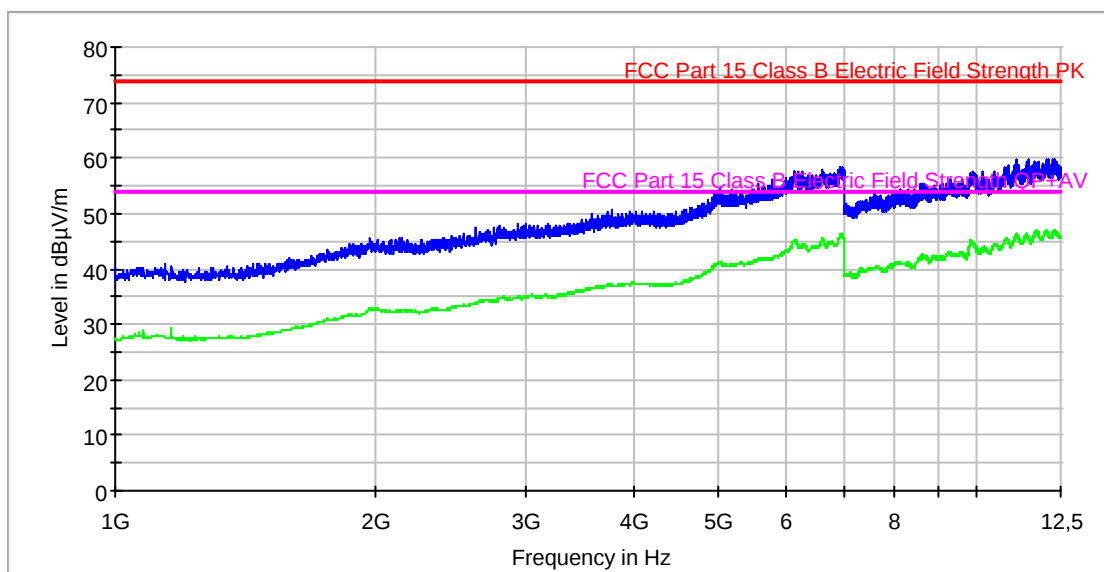
FCC 1-12.5GHz class B



Radiated Emission: CR0206_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#06
 Date: 2009-12-23 21:04
 Setup: EMI radiated
 Mode: EUT ON. IDLE SAT + BT ON. Horizontal polarization.

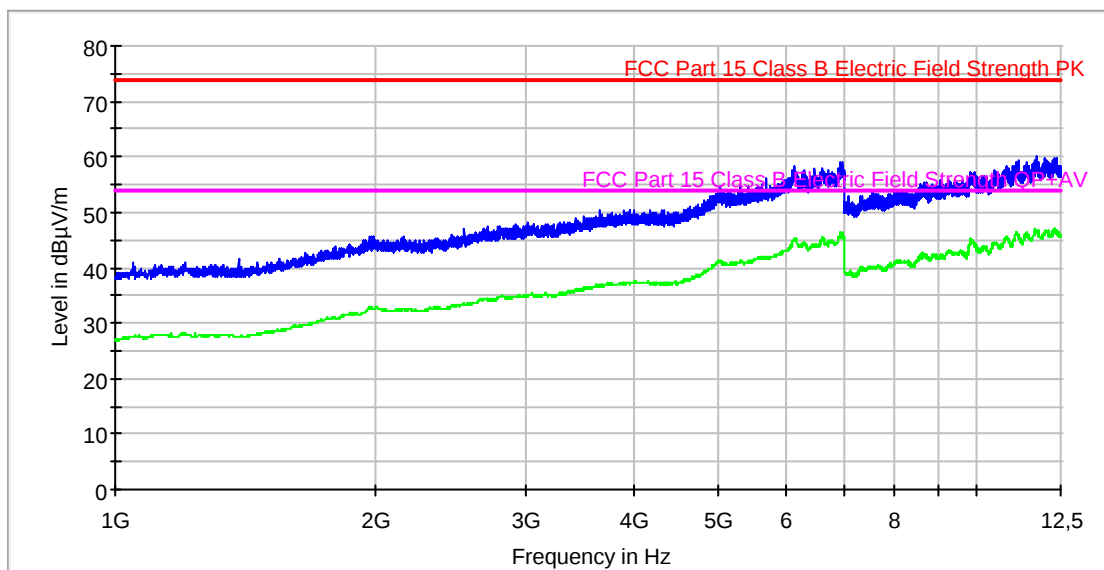
FCC 1-12.5GHz class B



Radiated Emission: CR0206_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#06
 Date: 2009-12-23 21:01
 Setup: EMI radiated
 Mode: EUT ON. IDLE SAT+ BT ON. Vertical polarization.

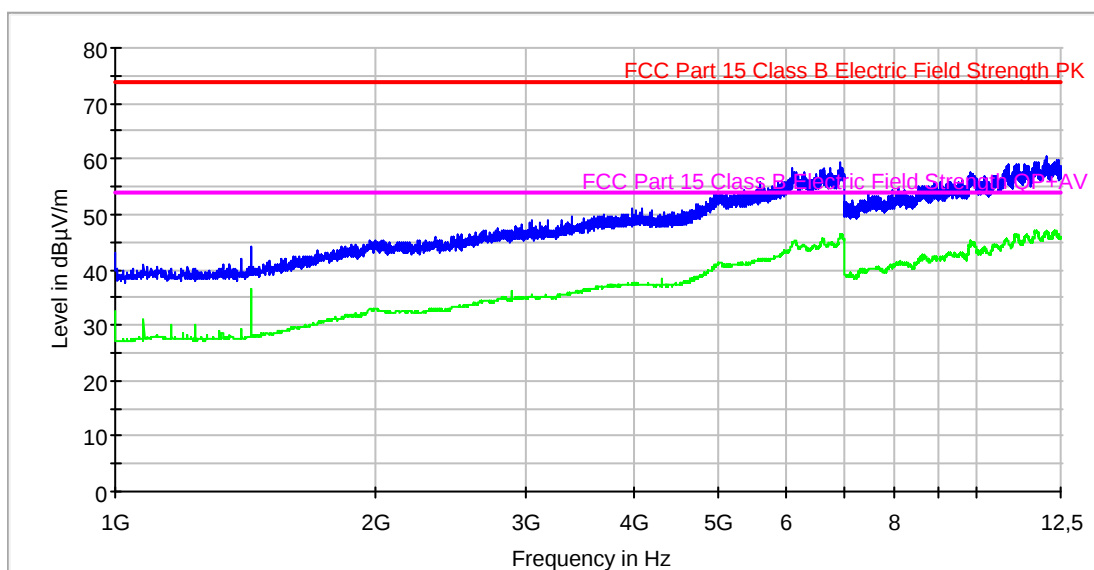
FCC 1-12.5GHz class B



Radiated Emission: CR0301_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-23 18:19
 Setup: EMI radiated
 Mode: EUT ON. IDLE 850MHz + BT ON. Horizontal polarization.

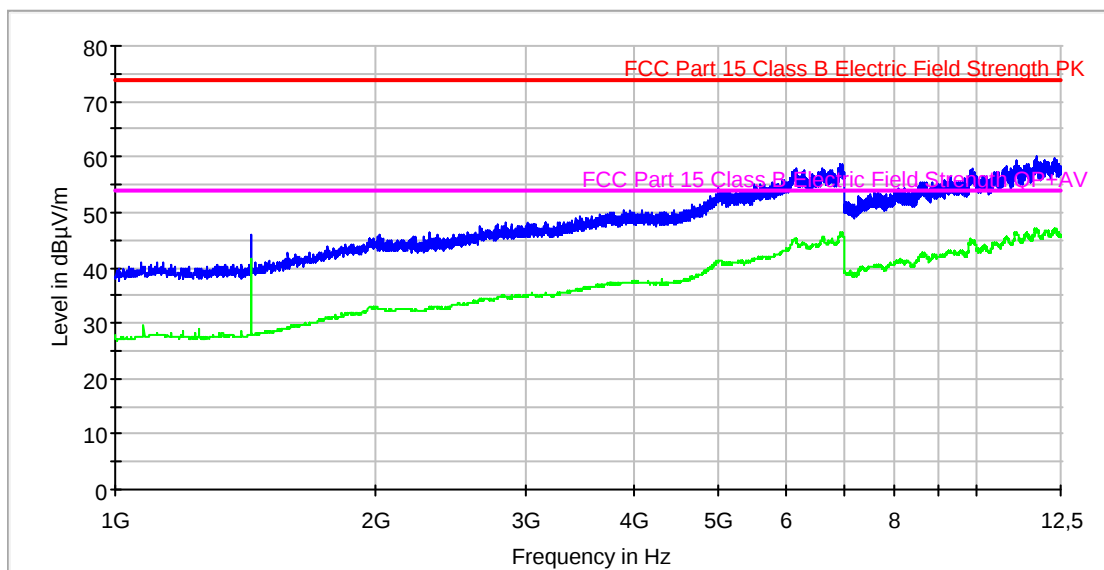
FCC 1-12.5GHz class B



Radiated Emission: CR0301_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-23 18:19
 Setup: EMI radiated
 Mode: EUT ON. IDLE 850MHz + BT ON. Vertical polarization.

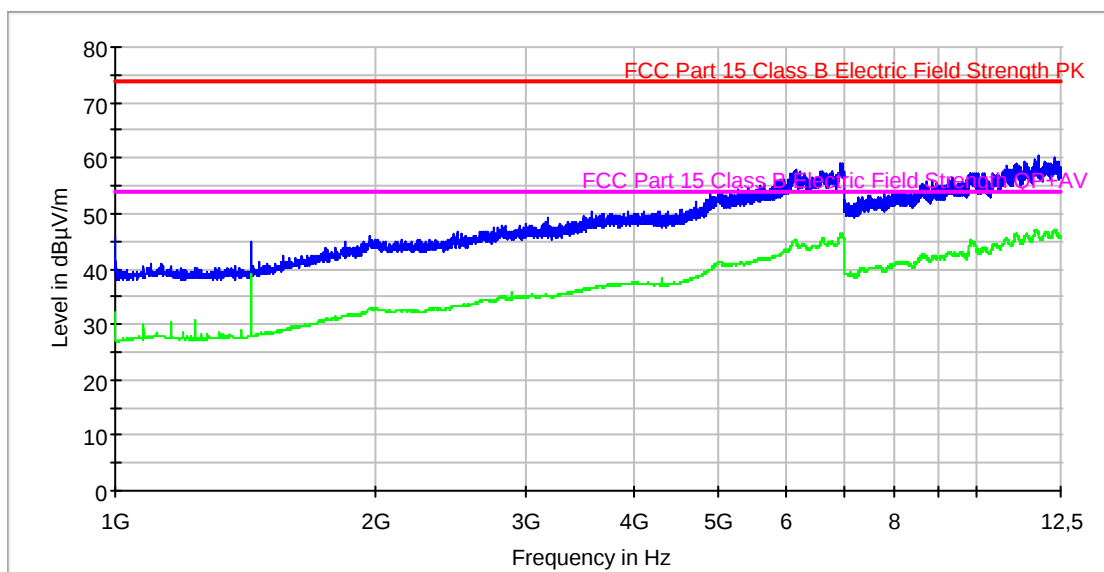
FCC 1-12.5GHz class B



Radiated Emission: CR0302_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#02
 Date: 2009-12-23 18:29
 Setup: EMI radiated
 Mode: EUT ON. IDLE 1900MHz + BT ON. Horizontal polarization.

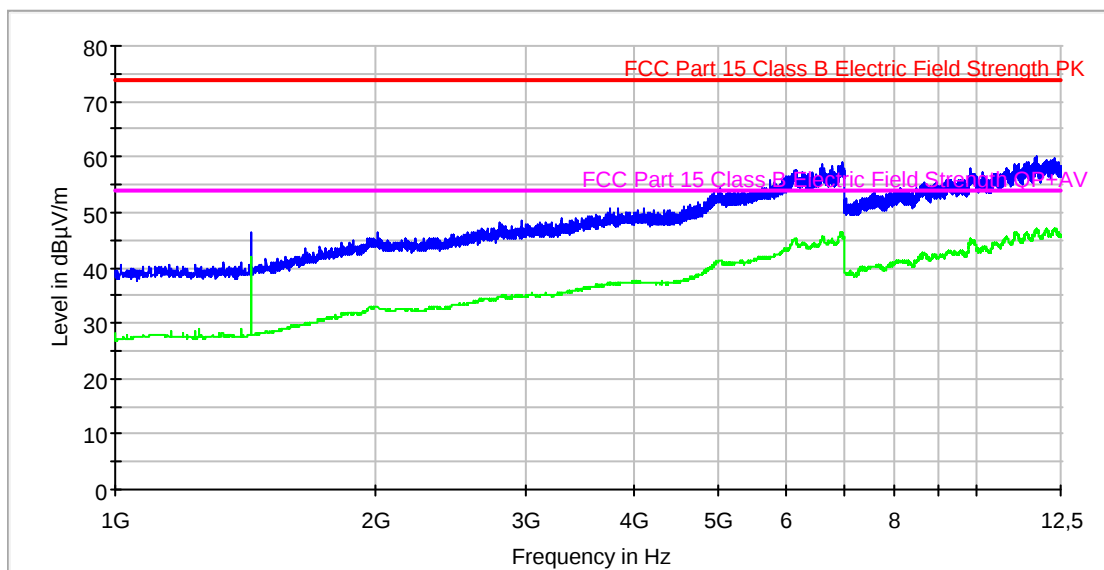
FCC 1-12.5GHz class B



Radiated Emission: CR0302_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#02
 Date: 2009-12-23 18:25
 Setup: EMI radiated
 Mode: EUT ON. IDLE 1900MHz + BT ON. Vertical polarization.

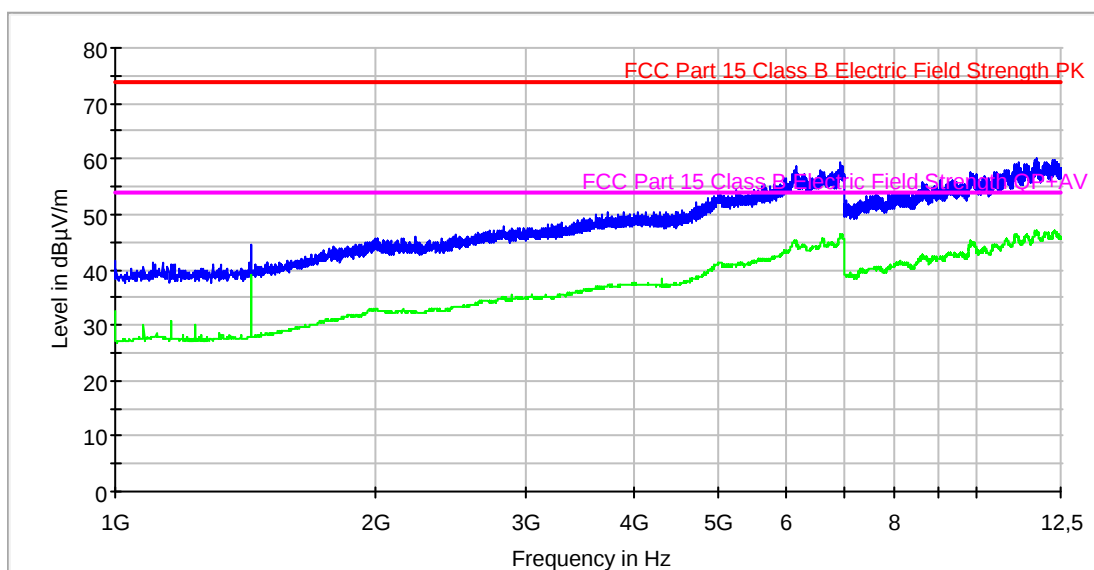
FCC 1-12.5GHz class B



Radiated Emission: CR0303_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#03
 Date: 2009-12-23 18:35
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band II + BT ON. Horizontal polarization.

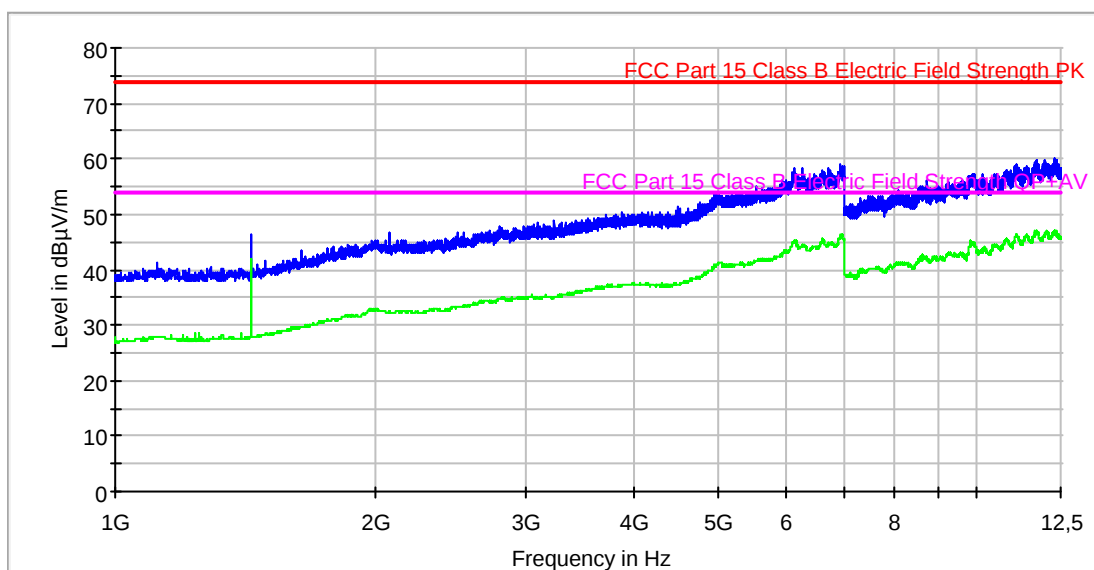
FCC 1-12.5GHz class B



Radiated Emission: CR0303_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#03
 Date: 2009-12-23 18:39
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band II + BT ON. Vertical polarization.

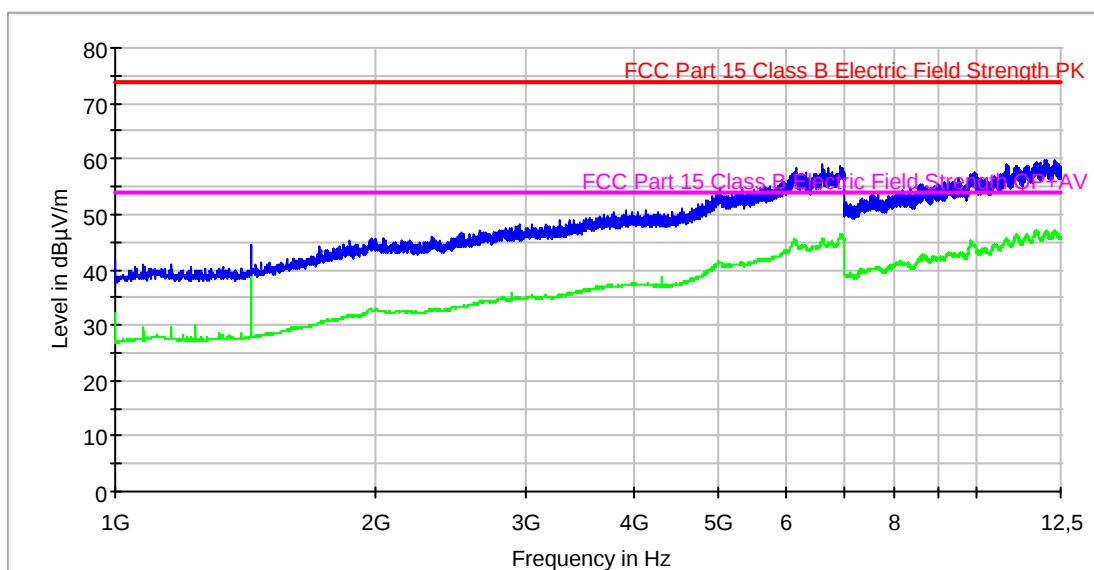
FCC 1-12.5GHz class B



Radiated Emission: CR0304_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#04
 Date: 2009-12-23 18:48
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band V + BT ON. Horizontal polarization.

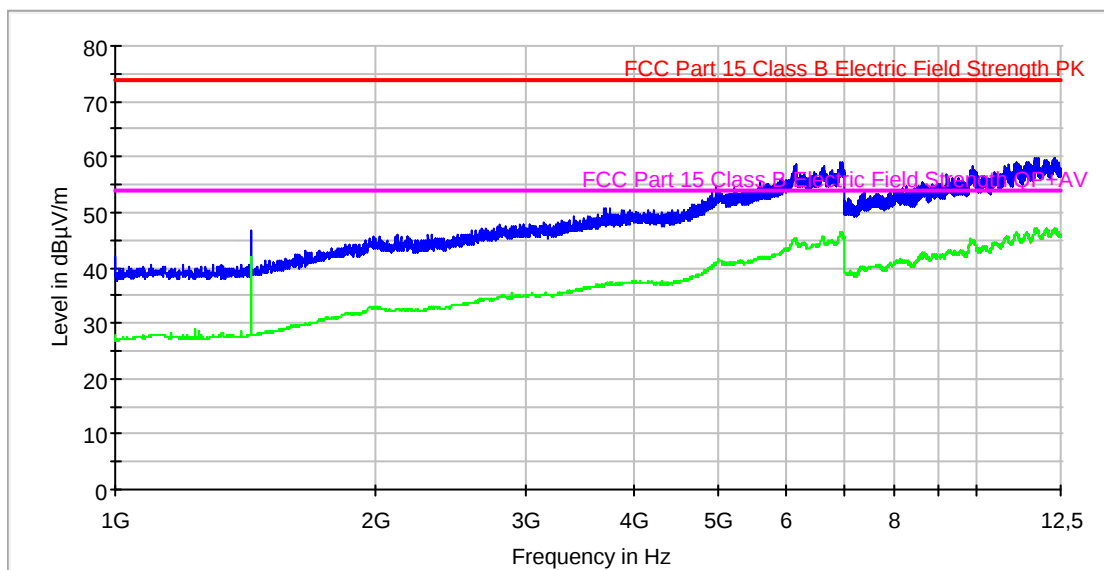
FCC 1-12.5GHz class B



Radiated Emission: CR0304_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#04
 Date: 2009-12-23 18:44
 Setup: EMI radiated
 Mode: EUT ON. IDLE UMTS FDD Band V + BT ON. Vertical polarization.

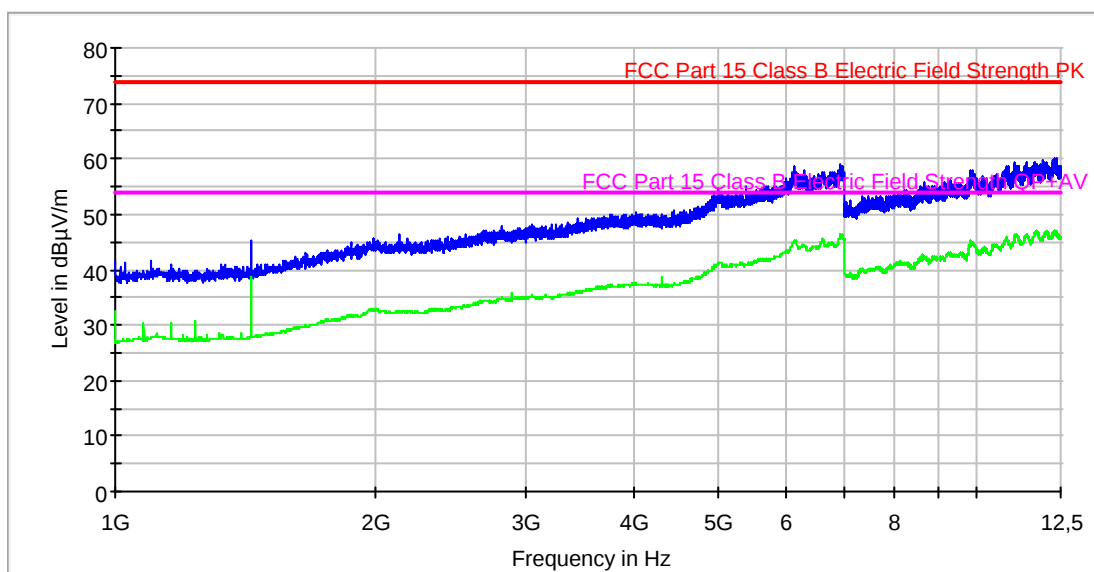
FCC 1-12.5GHz class B



Radiated Emission: CR0305_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#05
 Date: 2009-12-23 19:18
 Setup: EMI radiated
 Mode: EUT ON. IDLE WIFI + BT ON. Horizontal polarization.

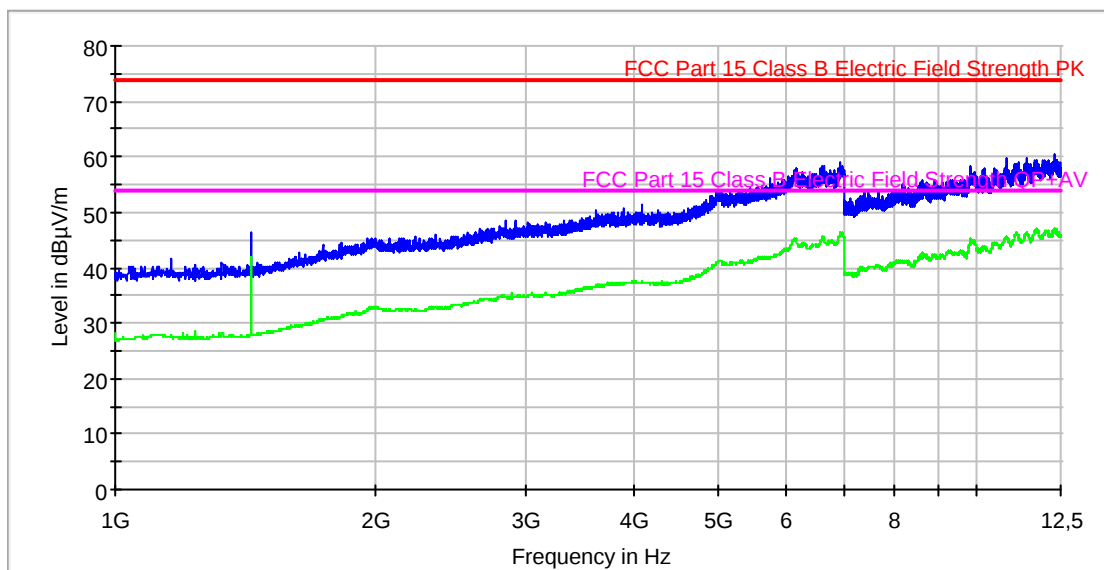
FCC 1-12.5GHz class B



Radiated Emission: CR0305_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#05
 Date: 2009-12-23 19:22
 Setup: EMI radiated
 Mode: EUT ON. IDLE WIFI + BT ON. Vertical polarization.

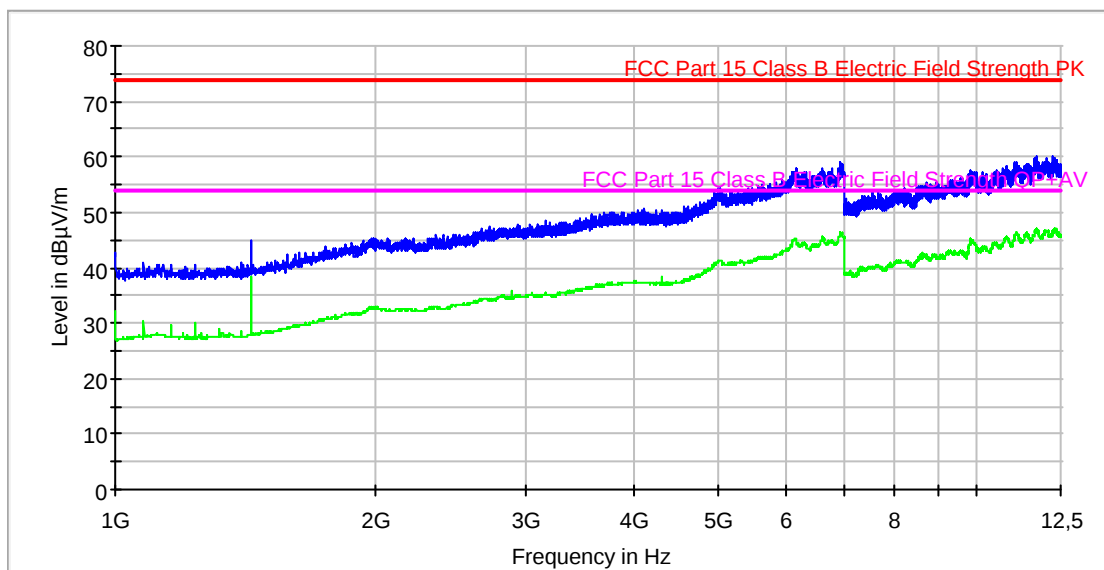
FCC 1-12.5GHz class B



Radiated Emission: CR0406_PH (1GHz to 12.5GHz Horizontal polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#06
 Date: 2009-12-23 19:34
 Setup: EMI radiated
 Mode: EUT ON. IDLE SAT+ BT ON. Horizontal polarization.

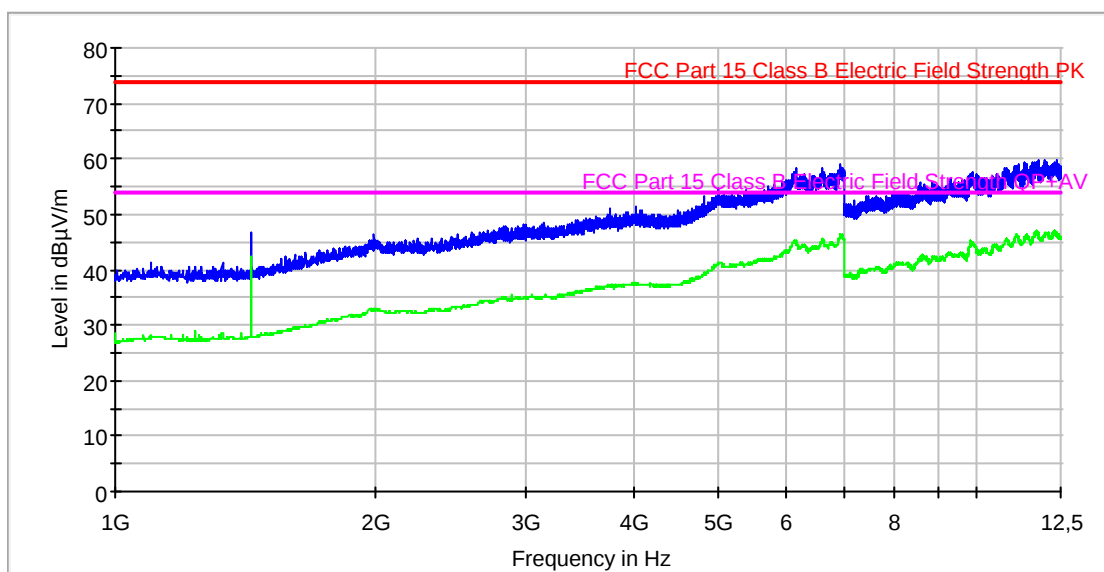
FCC 1-12.5GHz class B



Radiated Emission: CR0406_PV (1GHz to 12.5GHz Vertical polarization)

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#06
 Date: 2009-12-23 19:30
 Setup: EMI radiated
 Mode: EUT ON. IDLE SAT + BT ON. Vertical polarization.

FCC 1-12.5GHz class B



CONTINUOUS CONDUCTED EMISSION ON POWER LEADS

LIMITS:	Product standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ANSI C63.4:2003
	Test standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ANSI C63.4:2003

CLASS B

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B & ANSI C63.4:2003 in the frequency range 0,15 to 30 MHz, for Class B equipment was:

Frequency range (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0,15 to 0,5	66-56	56-46
0,5 to 5	56	46
5 to 30	60	50

TESTED SAMPLES:	S/01, S/02, S/03 & 04
TESTED OPERATION MODES:	OM#01 to OM#12
TEST RESULTS :	CCmmnnhh: CC, Conducted Condition; mm: Sample number; nn: Operation mode; hh: wire

CCmmnnhh	Description	Result
CC01010N	EUT ON. IDLE 850 MHz. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0101L1	EUT ON. IDLE 850 MHz. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC01020N	EUT ON. IDLE 1900 MHz. Bluetooth ON. Charging batteries . Neutral wire noise.	P
CC0102L1	EUT ON. IDLE 1900 MHz. Bluetooth ON. Charging batteries . Phase wire noise.	P
CC01030N	EUT ON. IDLE UMTS FDD II. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0103L1	EUT ON. IDLE UMTS FDD II. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC01040N	EUT ON. IDLE UMTS FDD V. Bluetooth ON. Charging batteries. Neutral wire noise.	P

CC0104L1	EUT ON. IDLE UMTS FDD V. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC01050N	EUT ON. IDLE WiFi. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0105L1	EUT ON. IDLE WiFi. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC02060N	EUT ON. IDLE SAT. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0206L1	EUT ON. IDLE SAT. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC01070N	EUT ON. TCH 850 MHz. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0107L1	EUT ON. TCH 850 MHz. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC01080N	EUT ON. TCH 1900MHz. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0108L1	EUT ON. TCH 1900MHz. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC01090N	EUT ON. TCH UMTS FDD II. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0109L1	EUT ON. TCH UMTS FDD II. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC01100N	EUT ON. TCH UMTS FDD V. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0110L1	EUT ON. TCH UMTS FDD V. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC01110N	EUT ON. TCH WiFi. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0111L1	EUT ON. TCH WiFi. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC02120N	EUT ON. TCH SAT. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0212L1	EUT ON. TCH SAT. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC03010N	EUT ON. IDLE 850 MHz. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0301L1	EUT ON. IDLE 850 MHz. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC03020N	EUT ON. IDLE 1900 MHz. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0302L1	EUT ON. IDLE 1900 MHz. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC03030N	EUT ON. IDLE UMTS FDD II. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0303L1	EUT ON. IDLE UMTS FDD II. Bluetooth ON. Charging batteries. Phase wire noise.	P

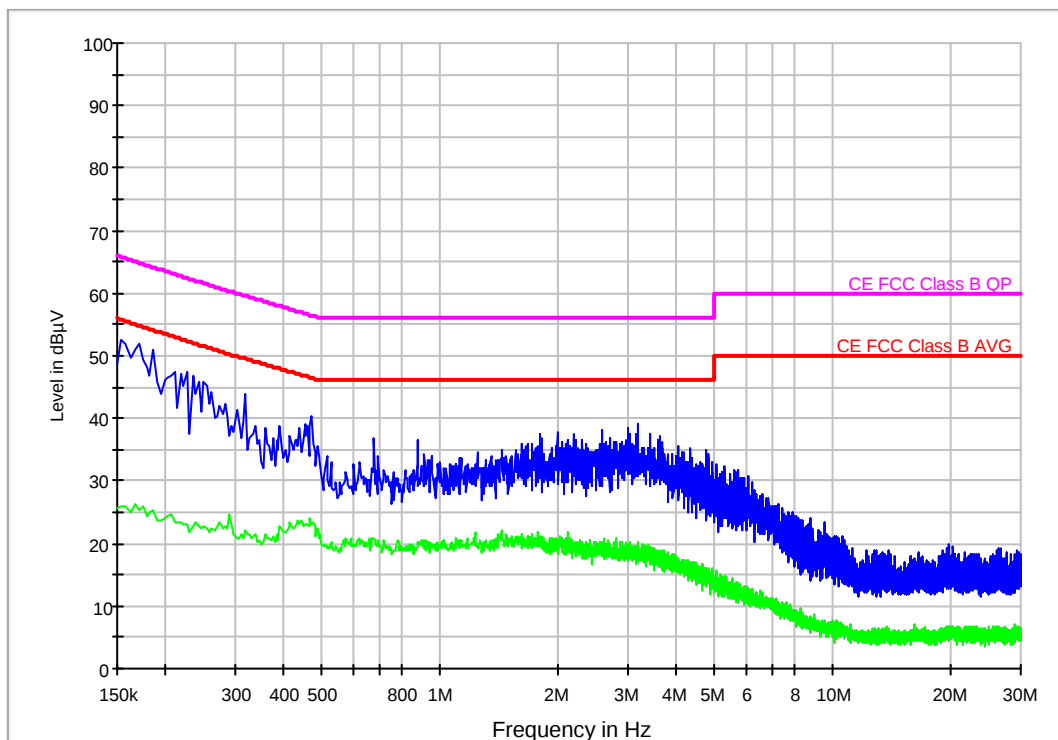
CC03040N	EUT ON. IDLE UMTS FDD V. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0304L1	EUT ON. IDLE UMTS FDD V. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC03050N	EUT ON. IDLE WiFi. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0305L1	EUT ON. IDLE WiFi. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC04060N	EUT ON. IDLE SAT. Bluetooth ON. Charging batteries. Neutral wire noise.	P
CC0406L1	EUT ON. IDLE SAT. Bluetooth ON. Charging batteries. Phase wire noise.	P
CC03070N	EUT ON. TCH 850 MHz. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0307L1	EUT ON. TCH 850 MHz. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC03080N	EUT ON. TCH 1900MHz. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0308L1	EUT ON. TCH 1900MHz. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC03090N	EUT ON. TCH UMTS FDD II. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0309L1	EUT ON. TCH UMTS FDD II. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC03100N	EUT ON. TCH UMTS FDD V. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0310L1	EUT ON. TCH UMTS FDD V. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC03110N	EUT ON. TCH WiFi. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0311L1	EUT ON. TCH WiFi. Bluetooth Tx. Charging batteries. Phase wire noise.	P
CC04120N	EUT ON. TCH SAT. Bluetooth Tx. Charging batteries. Neutral wire noise.	P
CC0412L1	EUT ON. TCH SAT. Bluetooth Tx. Charging batteries. Phase wire noise.	P

Continuous Conducted emission : CC01010N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#01
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle 850. BT on. Charging batteries. Neutral noise.

EC FCC Clase B ESPI CC



Subrange Maxima

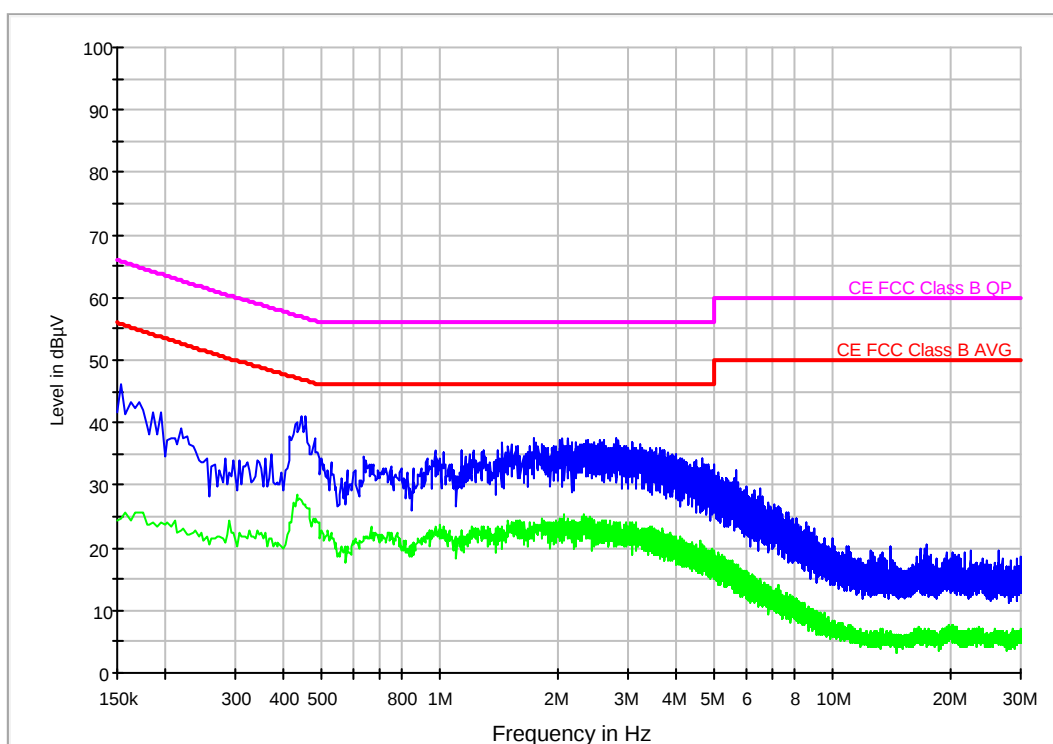
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	52.5	25.9
0.234000	46.8	22.7
0.470000	40.2	23.2
0.678000	37.0	21.0
1.238000	34.7	19.4
1.978000	37.8	20.6
3.186000	39.1	20.1
3.402000	37.4	18.4
5.302000	32.3	14.2
8.042000	24.5	8.5
12.914000	19.1	5.8
19.610000	19.7	6.4

Continuous Conducted emission : CC0101L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#01
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle 850. BT on. Charging batteries. Phase noise.

EC FCC Classe B ESPI CC



Subrange Maxima

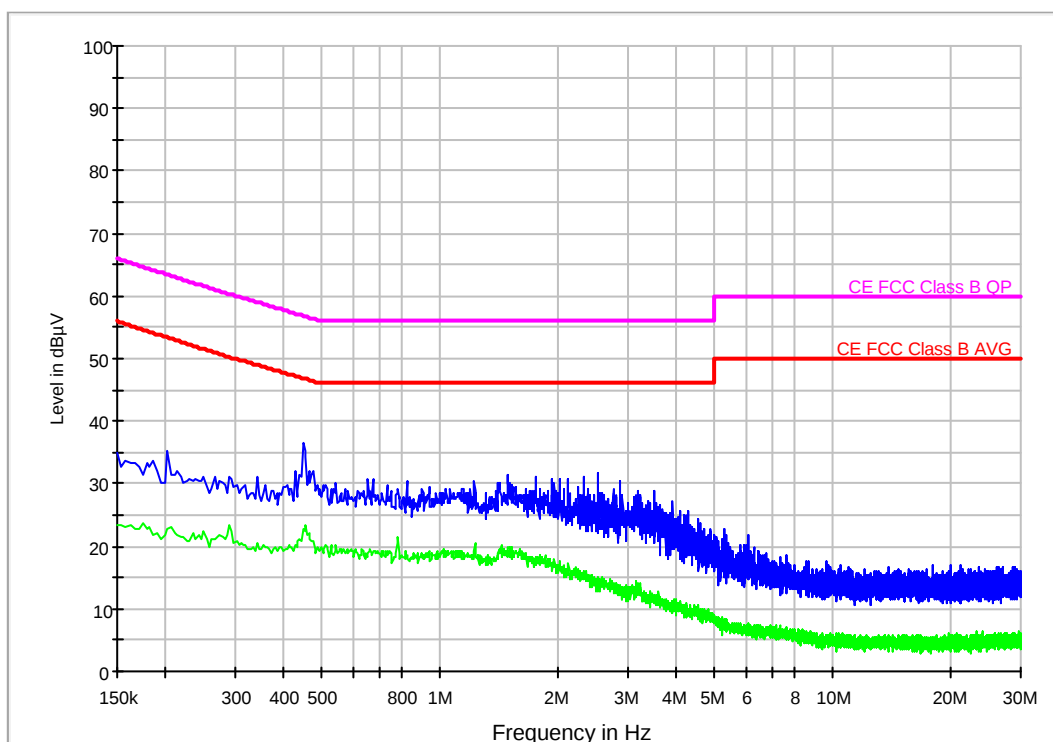
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	46.0	24.5
0.234000	36.2	22.4
0.454000	40.9	26.6
0.638000	34.6	21.9
0.966000	35.7	22.9
2.118000	37.6	24.2
2.806000	37.4	23.4
3.630000	36.0	21.4
5.662000	32.3	16.5
8.026000	24.7	11.9
17.178000	20.6	6.2
22.454000	19.7	5.6

Continuous Conducted emission : CC01020N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#02
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle 1900MHz. BT on. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

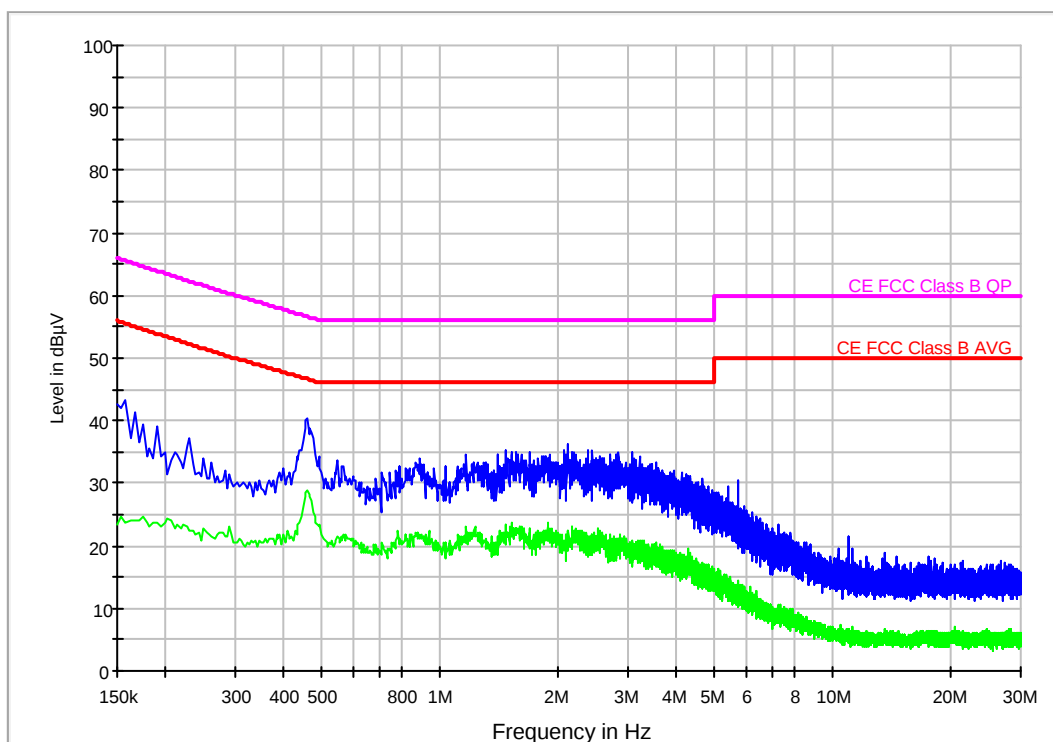
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.202000	35.3	22.6
0.250000	31.2	22.5
0.446000	36.7	22.7
0.674000	30.9	19.2
1.218000	30.3	19.2
1.486000	31.4	19.6
2.506000	31.6	15.2
3.486000	28.7	12.2
5.246000	22.7	7.7
9.614000	17.8	5.8
17.922000	16.9	4.8
19.838000	16.9	5.7

Continuous Conducted emission : CC0102L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#02
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle 1900MHz. BT on. Charging batteries. Phase noise.

EC FCC Clase B ESPI CC



Subrange Maxima

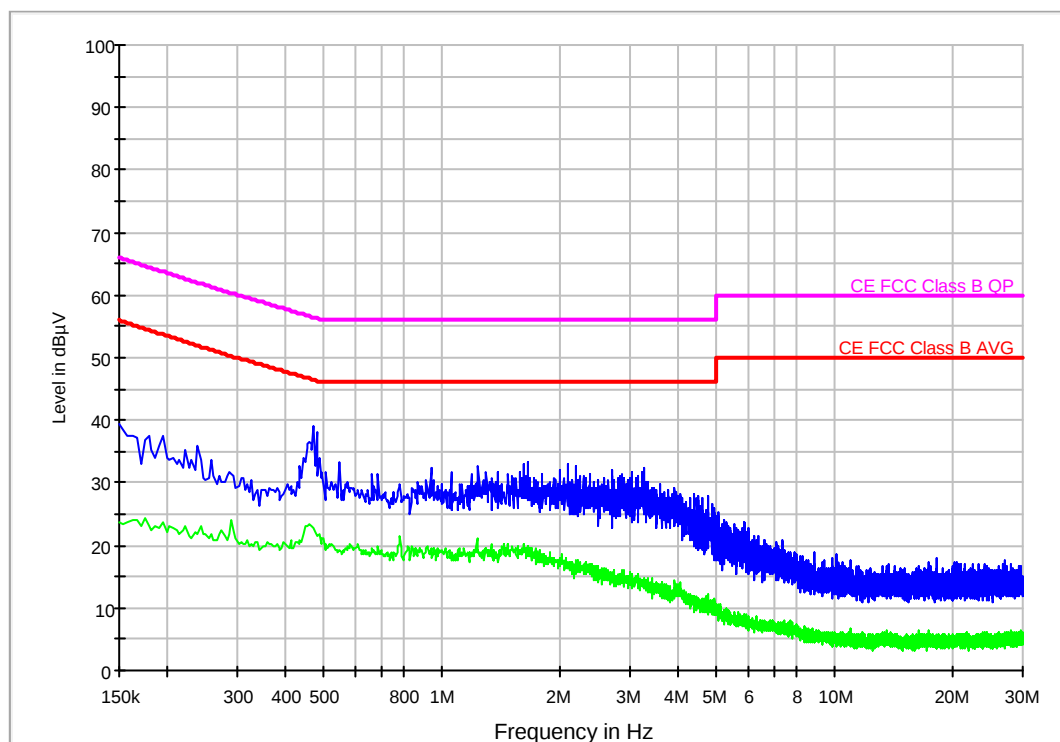
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.158000	43.3	23.7
0.250000	34.1	22.8
0.458000	40.4	29.0
0.866000	33.4	22.3
1.162000	34.8	22.9
2.102000	36.3	19.3
2.442000	35.3	21.8
3.546000	33.3	19.9
5.734000	30.5	14.4
10.926000	21.4	6.6
13.506000	18.8	6.2
21.286000	17.7	5.3

Continuous Conducted emission : CC01030N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#03
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle UMTS FDD II. BT on. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

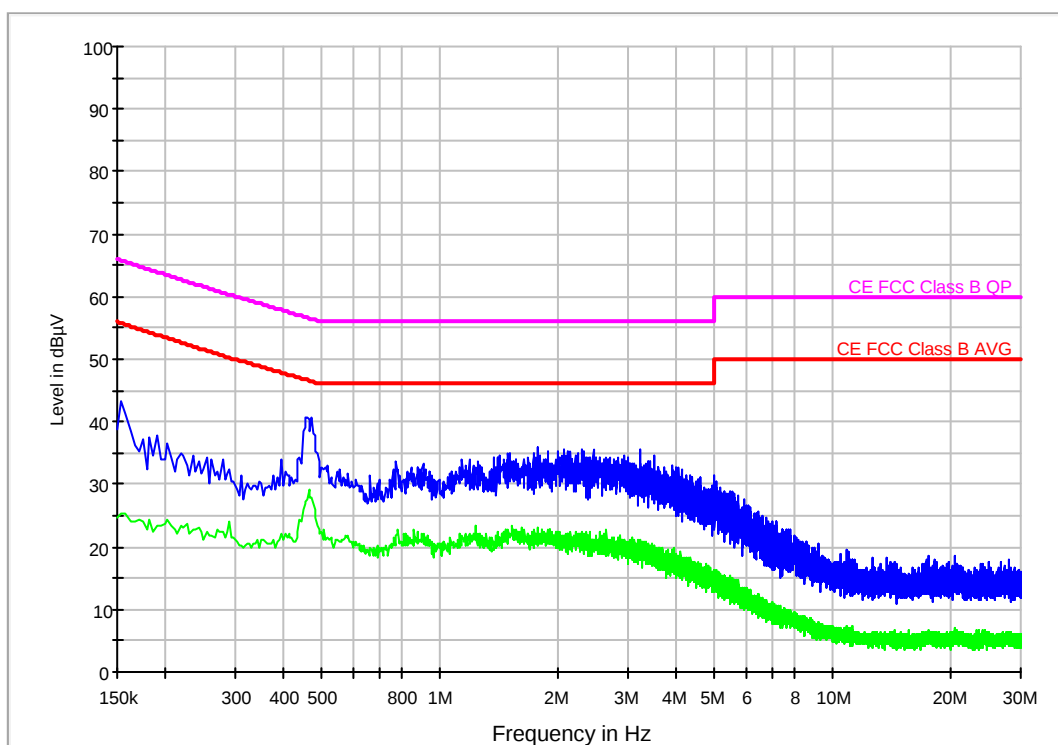
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	39.3	23.8
0.238000	35.8	21.7
0.470000	39.0	22.9
0.686000	31.4	19.8
1.234000	32.8	19.4
1.646000	33.3	20.0
2.186000	32.7	17.7
3.306000	30.2	14.6
5.230000	24.1	8.7
8.814000	18.8	5.9
18.154000	17.9	4.7
26.842000	17.5	4.6

Continuous Conducted emission : CC0103L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#03
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle UMTS FDD II. BT on. Charging batteries. Phase noise.

EC FCC Class B ESPI CC



Subrange Maxima

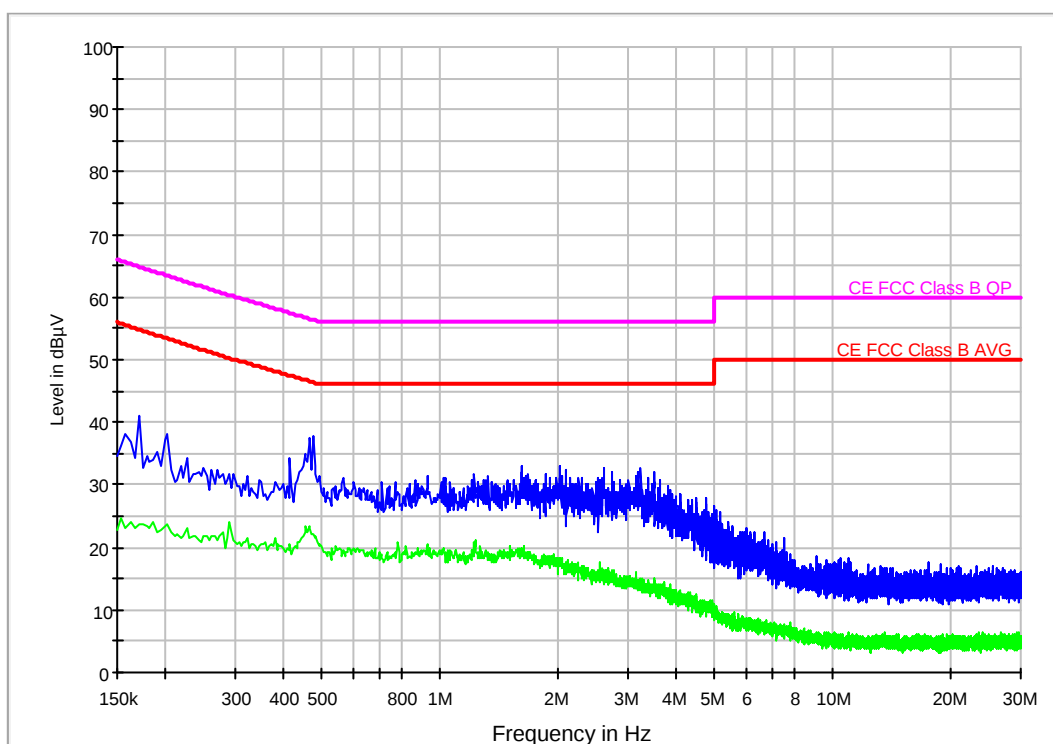
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	43.1	25.4
0.234000	34.6	22.9
0.454000	40.8	27.1
0.770000	33.6	21.8
1.362000	34.4	20.8
1.770000	35.8	23.0
2.282000	35.5	21.7
3.490000	34.6	20.0
5.150000	29.5	15.4
7.978000	21.8	9.3
17.514000	18.5	6.1
20.402000	18.5	6.1

Continuous Conducted emission : CC01040N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#04
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle UMTS FDD V. BT on. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

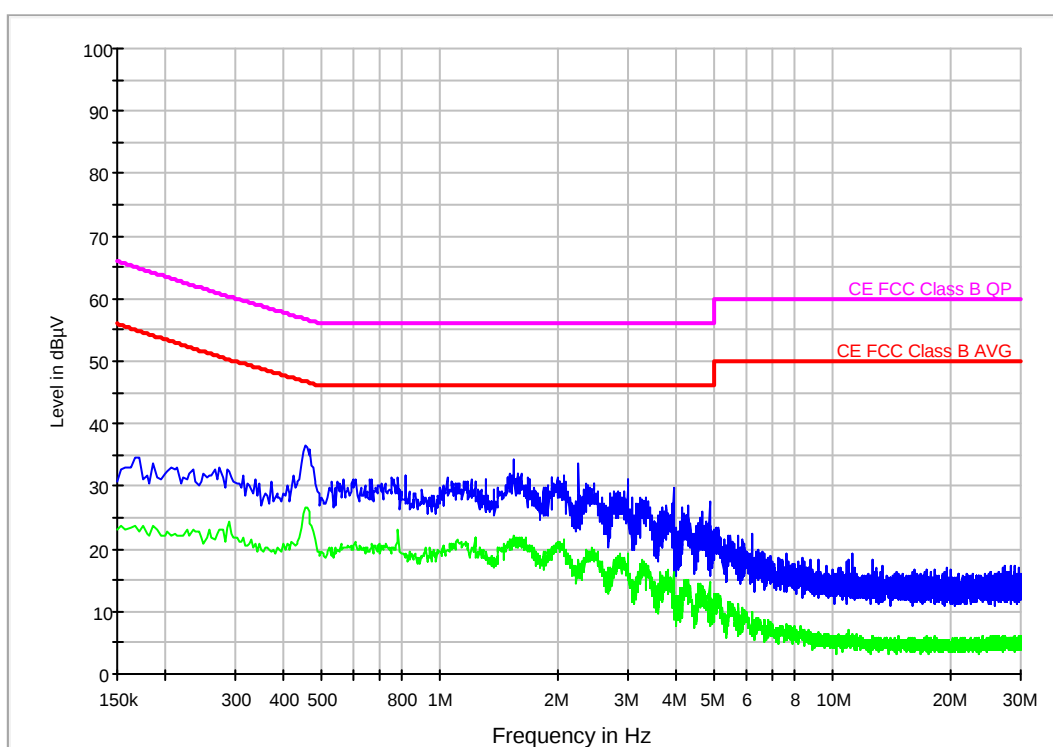
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.170000	41.1	23.8
0.250000	32.6	21.8
0.474000	37.9	22.1
0.566000	31.1	19.4
1.218000	31.7	20.8
2.018000	33.0	18.4
3.238000	32.7	15.0
3.490000	32.1	15.0
5.138000	25.8	9.2
9.094000	18.5	6.3
17.426000	17.5	4.4
20.782000	17.0	4.3

Continuous Conducted emission : CC0104L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#04
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle UMTS FDD V. BT on. Charging batteries. Phase noise.

EC FCC Class B ESPI CC



Subrange Maxima

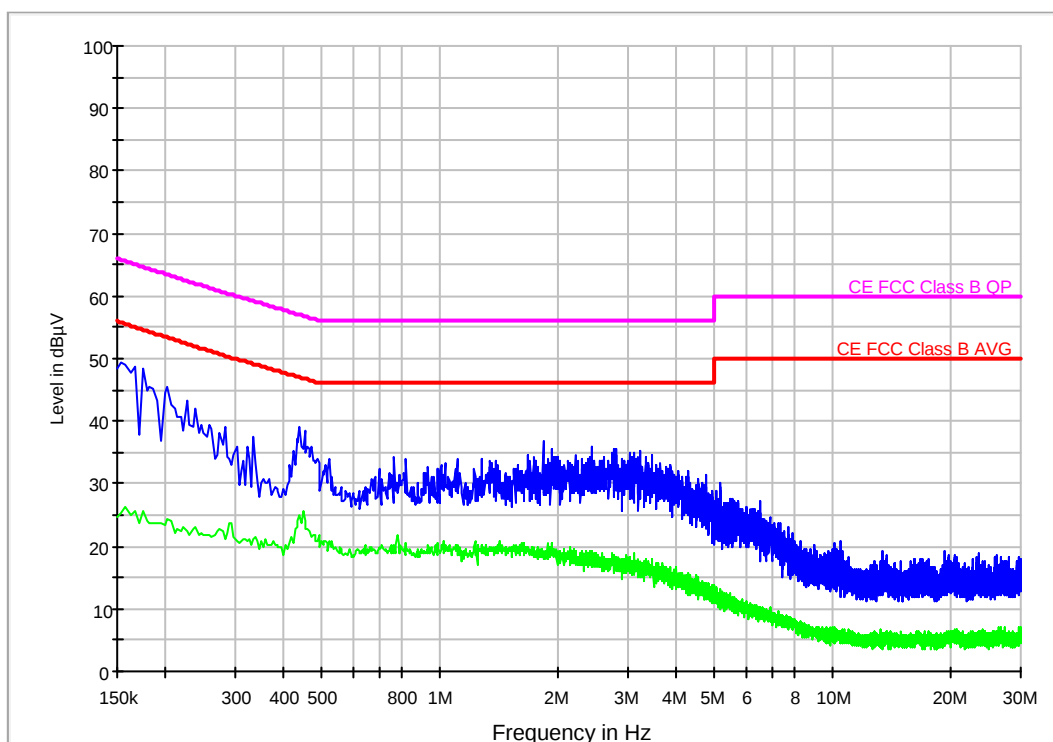
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.170000	34.7	22.6
0.274000	32.9	23.0
0.454000	36.7	26.6
0.814000	31.6	18.9
1.038000	31.3	19.8
1.534000	34.3	22.1
2.246000	33.6	18.2
3.910000	29.9	16.4
6.226000	22.4	9.8
11.150000	19.1	5.9
12.558000	18.3	6.1
28.214000	17.3	5.2

Continuous Conducted emission : CC01050N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#05
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle WIFI. BT on. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

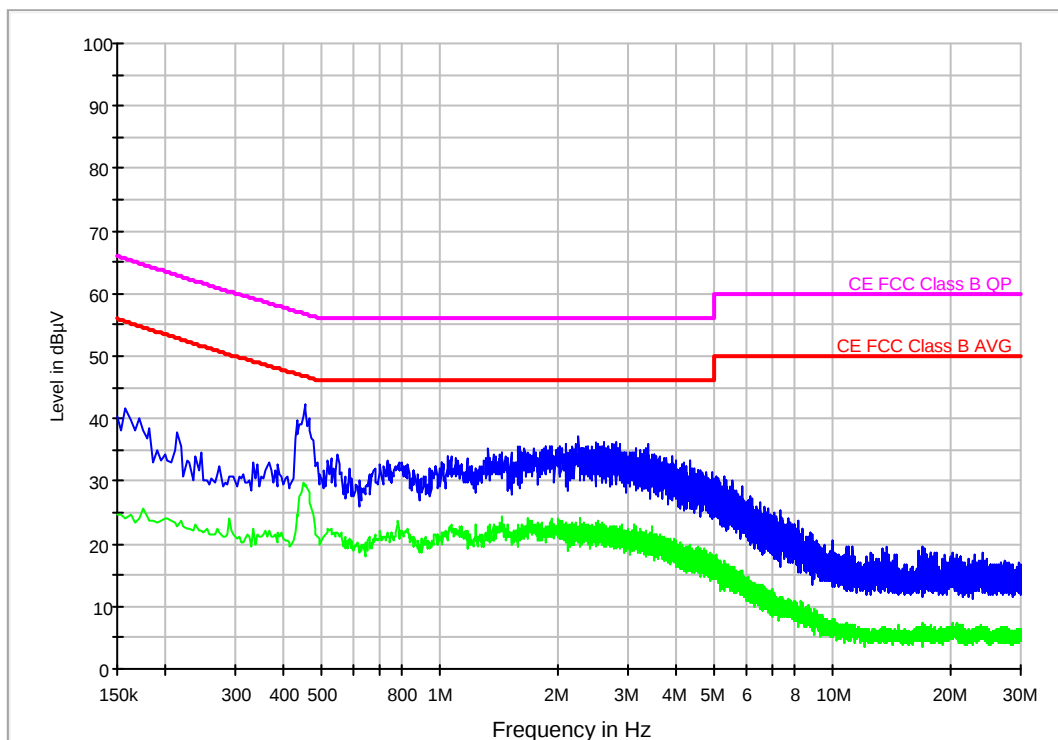
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	49.4	25.3
0.238000	42.0	23.0
0.438000	39.1	24.9
0.762000	34.4	20.1
1.270000	33.8	20.3
1.822000	36.7	18.7
2.434000	35.9	18.9
3.462000	34.6	18.0
5.150000	30.1	12.3
10.410000	20.8	6.3
19.222000	19.4	5.9
23.390000	18.8	6.4

Continuous Conducted emission : CC0105L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#05
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle WIFI. BT on. Charging batteries. Phase noise.

EC FCC Class B ESPI CC



Subrange Maxima

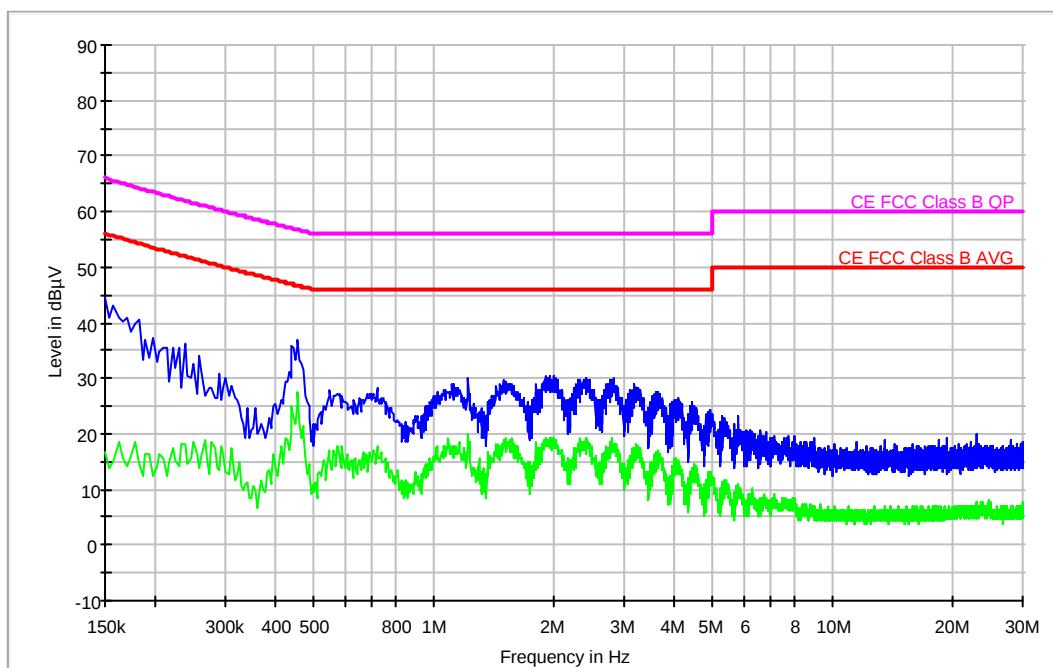
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.158000	41.6	23.9
0.246000	34.7	22.2
0.450000	42.2	29.2
0.730000	33.5	21.8
1.322000	35.1	22.9
2.082000	35.9	23.5
2.246000	37.2	22.7
3.374000	35.9	21.5
5.266000	30.8	16.5
8.154000	23.6	9.9
16.946000	19.6	6.3
20.202000	18.7	6.7

Continuous Conducted emission : CC02060N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#06
 Date: 2009-12-23 12:46
 Setup: EMI conducted
 Mode: EUT ON. Idle SAT + BT on. Neutral noise.

EC FCC Class B ESIB26 CC



Subrange Maxima

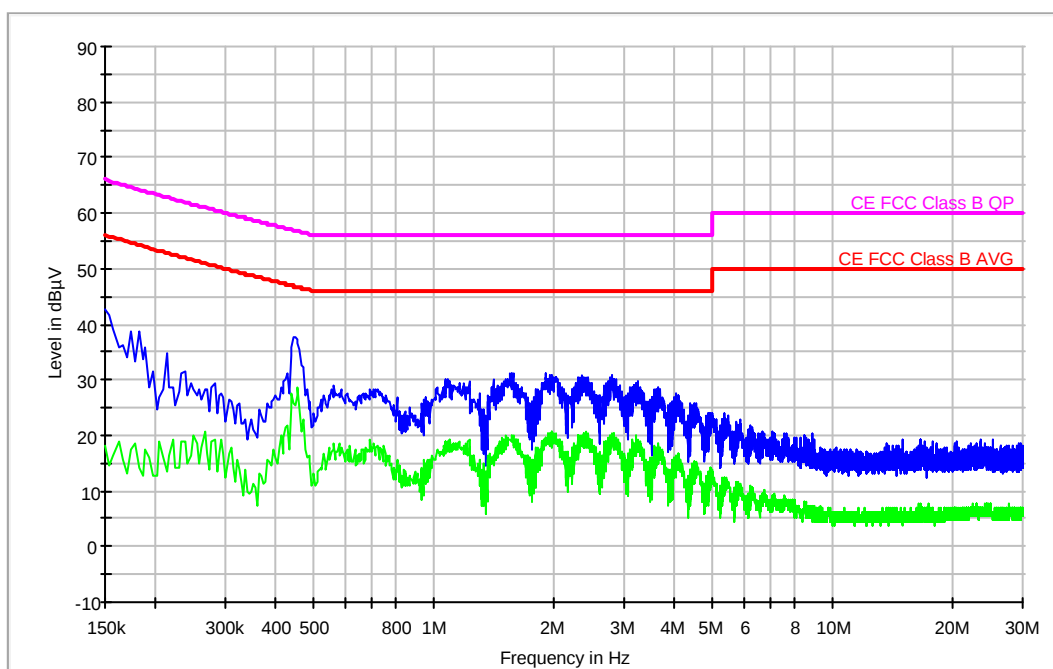
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	44.6	16.9
0.238000	36.1	18.2
0.458000	36.9	27.5
0.722000	28.4	17.9
1.222000	30.0	19.8
1.998000	30.6	17.9
2.818000	30.1	18.2
3.302000	27.7	16.3
5.786000	23.2	9.6
8.018000	19.6	8.0
19.250000	19.3	5.5
23.058000	20.1	6.2

Continuous Conducted emission : CC0206L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#06
 Date: 2009-12-23 12:46
 Setup: EMI conducted
 Mode: EUT ON. Idle SAT + BT on. Phase noise.

EC FCC Class B ESIB26 CC



Subrange Maxima

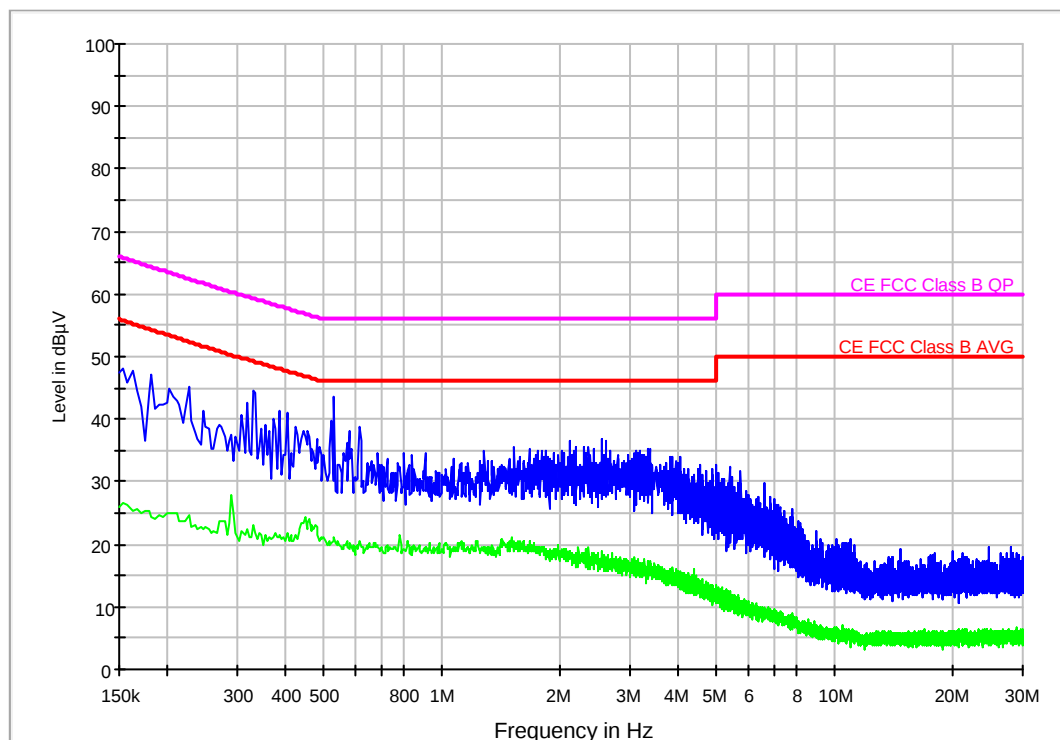
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	42.6	18.2
0.238000	31.7	18.9
0.446000	37.8	25.9
0.694000	28.4	19.1
1.086000	30.1	18.9
1.910000	31.1	19.2
2.798000	30.8	19.1
3.302000	28.6	18.8
5.330000	24.0	12.1
8.938000	20.4	7.4
16.722000	19.1	6.9
25.166000	19.3	6.2

Continuous Conducted emission : CC01070N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#07
 Date: #Date
 Setup: #Class
 Mode: EUT ON. Idle 850. BT on. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

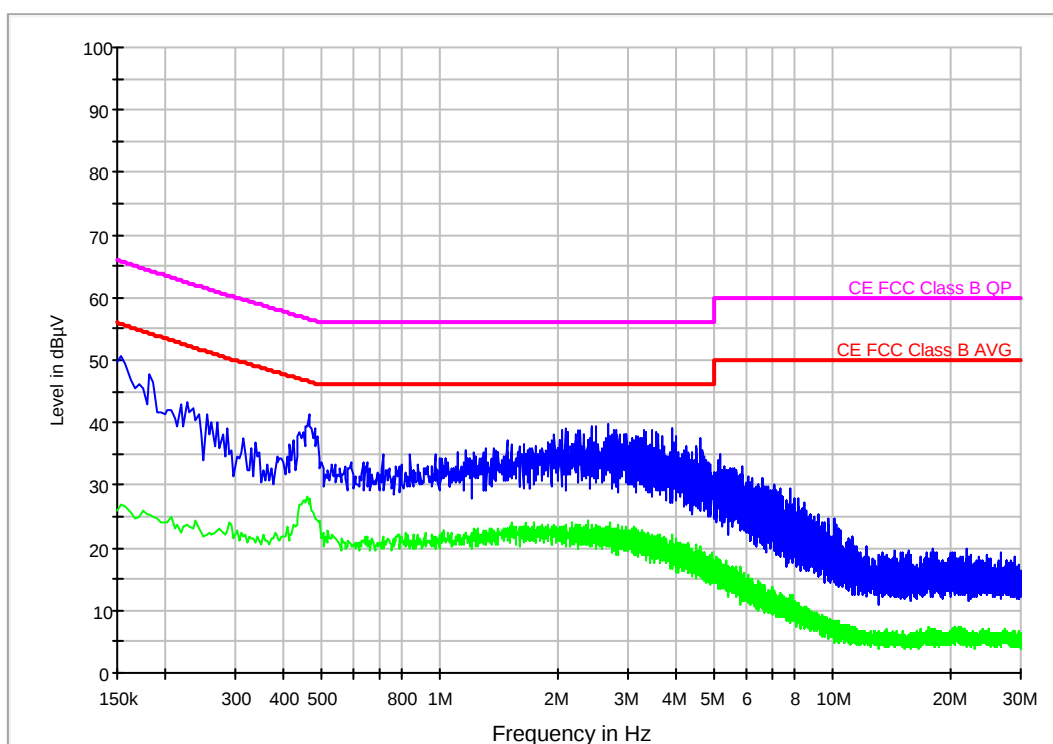
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.154000	48.2	26.6
0.330000	44.4	23.2
0.530000	43.6	21.1
0.614000	38.9	20.5
1.278000	35.1	19.6
2.102000	36.4	19.0
2.546000	36.7	18.9
3.358000	35.3	17.0
5.370000	32.4	11.4
8.078000	23.7	7.2
14.674000	19.1	5.6
24.690000	19.5	5.1

Continuous Conducted emission : CC0107L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#07
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH 850MHz. BT Tx. Charging batteries. Phase noise.

EC FCC Clase B ESPI CC



Subrange Maxima

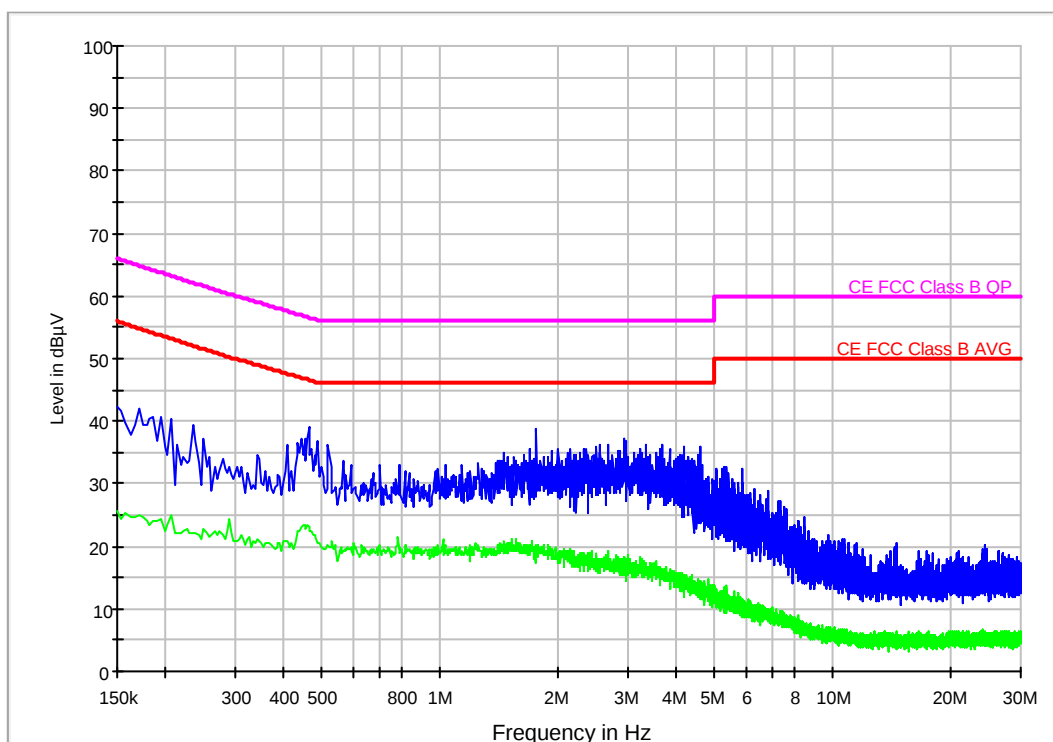
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	50.6	26.9
0.234000	42.5	23.0
0.462000	41.3	26.8
0.838000	35.0	21.0
1.298000	36.0	22.7
2.074000	39.2	22.8
2.670000	39.7	22.3
3.866000	38.9	22.0
5.858000	32.9	15.5
8.182000	27.8	11.3
17.830000	19.9	6.5
21.898000	20.0	5.9

Continuous Conducted emission : CC01080N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#08
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH 1900MHz. BT Tx. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

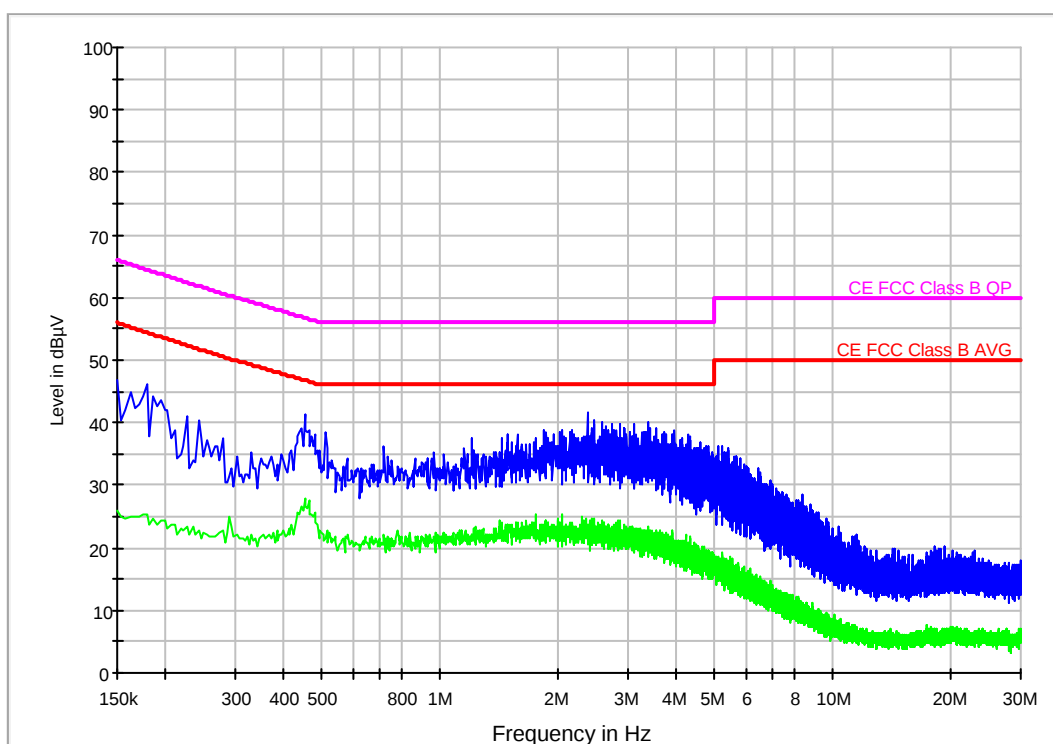
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	42.4	25.5
0.234000	39.6	22.1
0.462000	39.2	23.1
0.566000	33.6	19.4
1.250000	33.4	20.1
1.754000	38.7	20.3
2.938000	37.0	18.2
3.666000	36.4	15.6
5.294000	32.7	12.8
8.438000	24.6	7.2
14.494000	20.5	6.0
24.278000	20.1	6.5

Continuous Conducted emission : CC0108L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#08
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH 1900. BT Tx. Charging batteries. Phase noise.

EC FCC Clase B ESPI CC



Subrange Maxima

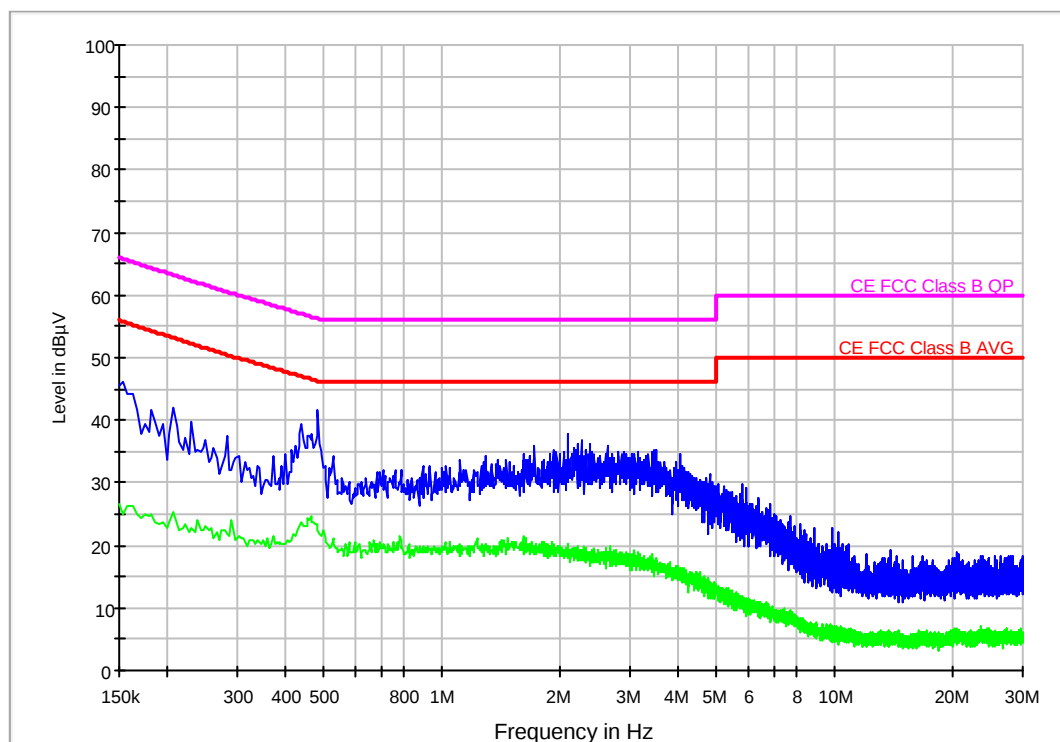
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	46.9	25.9
0.242000	40.3	22.7
0.450000	41.4	27.9
0.718000	36.4	22.1
1.198000	37.4	22.0
2.034000	38.9	25.3
2.358000	41.5	23.6
3.370000	40.2	23.5
5.198000	36.1	19.1
8.338000	28.5	10.7
18.178000	20.3	6.3
20.186000	19.6	6.1

Continuous Conducted emission : CC01090N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#09
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH UMTS FDD II. BT Tx. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

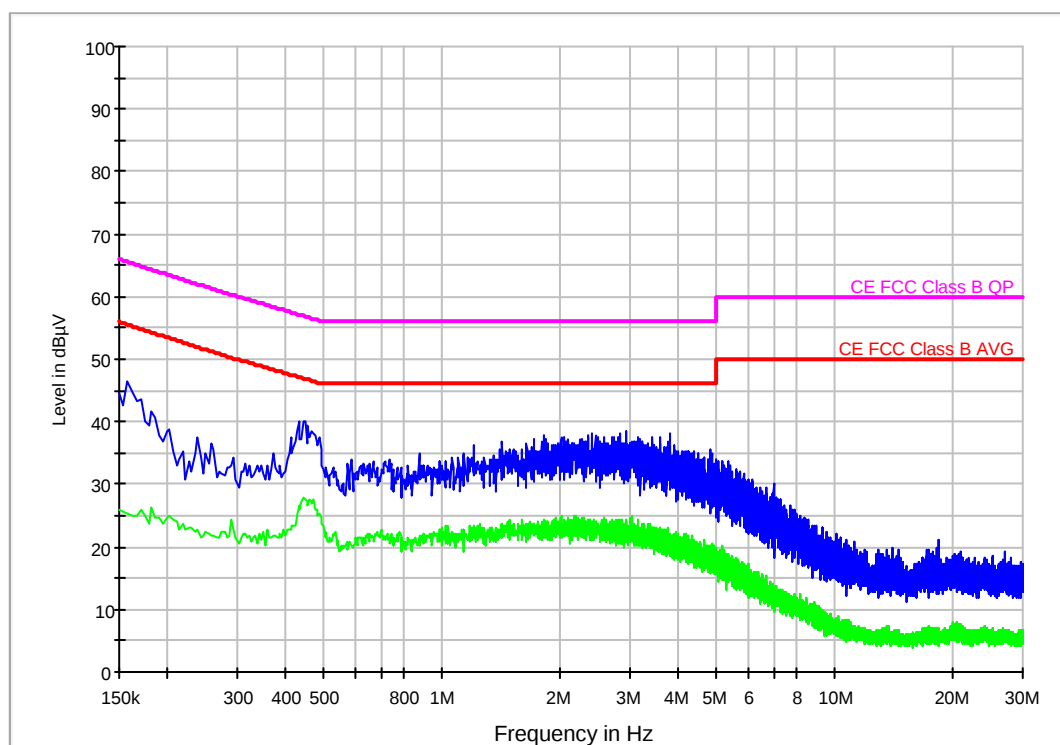
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	46.0	25.1
0.282000	37.6	21.7
0.482000	41.7	22.5
0.706000	32.1	19.7
1.290000	34.2	20.0
2.078000	38.0	20.3
2.250000	36.8	19.2
3.498000	35.2	16.6
5.778000	29.9	12.0
8.146000	23.5	7.2
13.826000	19.2	5.9
20.326000	18.9	5.6

Continuous Conducted emission : CC0109L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#09
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH UMTS FDD II. BT Tx. Charging batteries. Phase noise.

EC FCC Classe B ESPI CC



Subrange Maxima

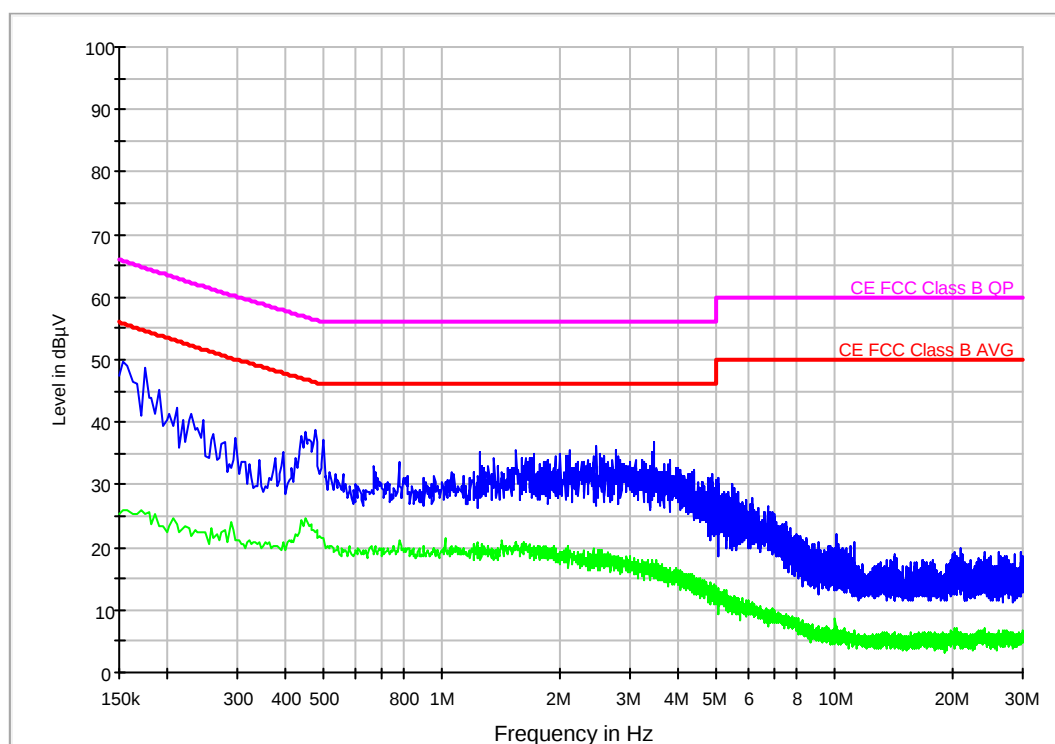
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.158000	46.6	25.3
0.238000	37.5	22.9
0.446000	40.1	27.7
0.870000	34.9	21.4
1.202000	36.1	23.5
1.806000	37.8	24.3
2.922000	38.3	23.6
3.782000	38.1	21.3
5.358000	33.6	17.9
8.146000	24.9	11.6
18.414000	21.3	5.7
27.066000	19.4	5.7

Continuous Conducted emission : CC01100N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#10
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH UMTS FDD V. BT Tx. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

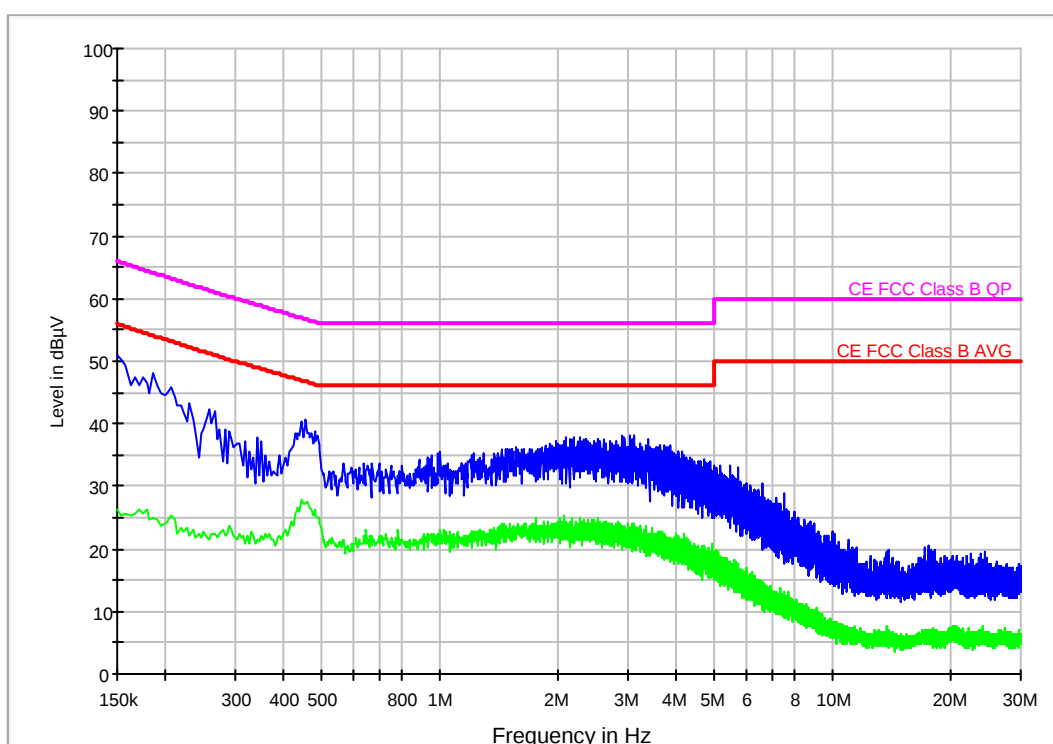
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	49.8	26.1
0.246000	40.3	22.4
0.474000	38.7	22.5
0.774000	33.6	21.1
1.242000	35.3	19.8
2.098000	35.7	18.8
2.470000	36.1	19.0
3.454000	36.9	17.3
5.446000	30.2	11.9
7.994000	22.2	8.6
14.162000	18.8	5.7
20.886000	19.9	6.4

Continuous Conducted emission : CC0110L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#10
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH UMTS FDD V. BT Tx. Charging batteries. Phase noise.

EC FCC Classe B ESPI CC



Subrange Maxima

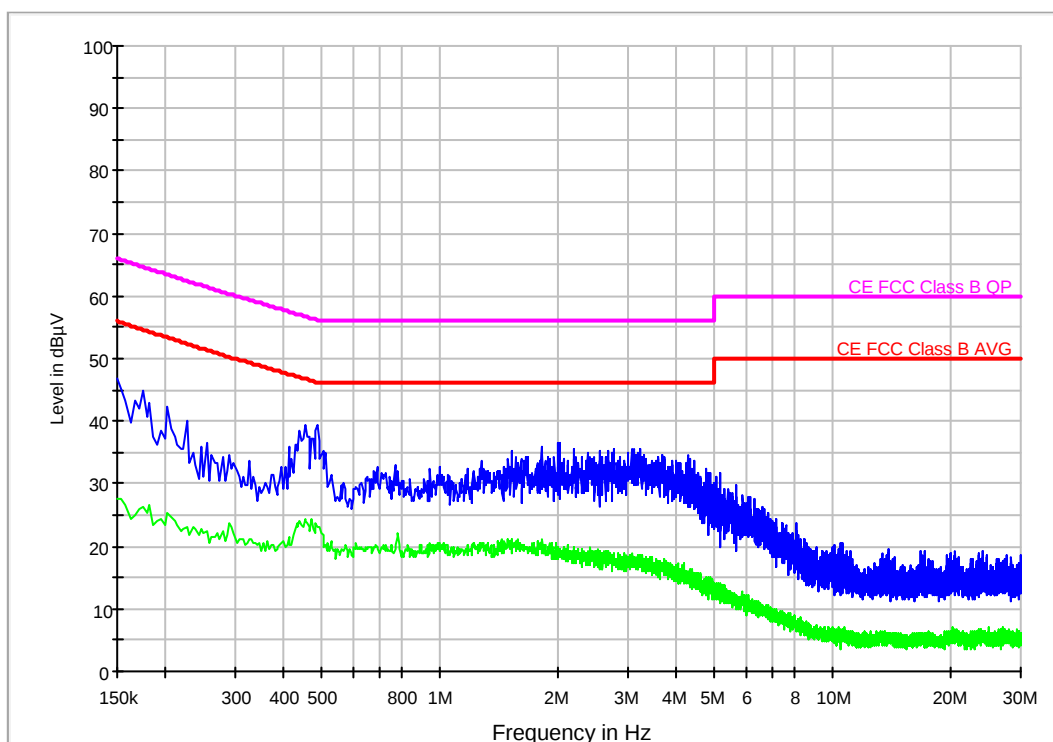
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	50.9	26.2
0.258000	42.3	21.3
0.454000	40.6	27.2
0.698000	33.7	22.0
0.998000	35.5	23.1
2.082000	37.9	24.5
3.030000	38.1	23.5
3.362000	37.5	22.5
5.166000	33.3	18.8
8.130000	24.9	11.2
17.430000	20.4	6.5
24.418000	19.6	6.3

Continuous Conducted emission : CC01110N

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#11
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH WIFI. BT Tx. Charging batteries. Neutral noise.

EC FCC Class B ESPI CC



Subrange Maxima

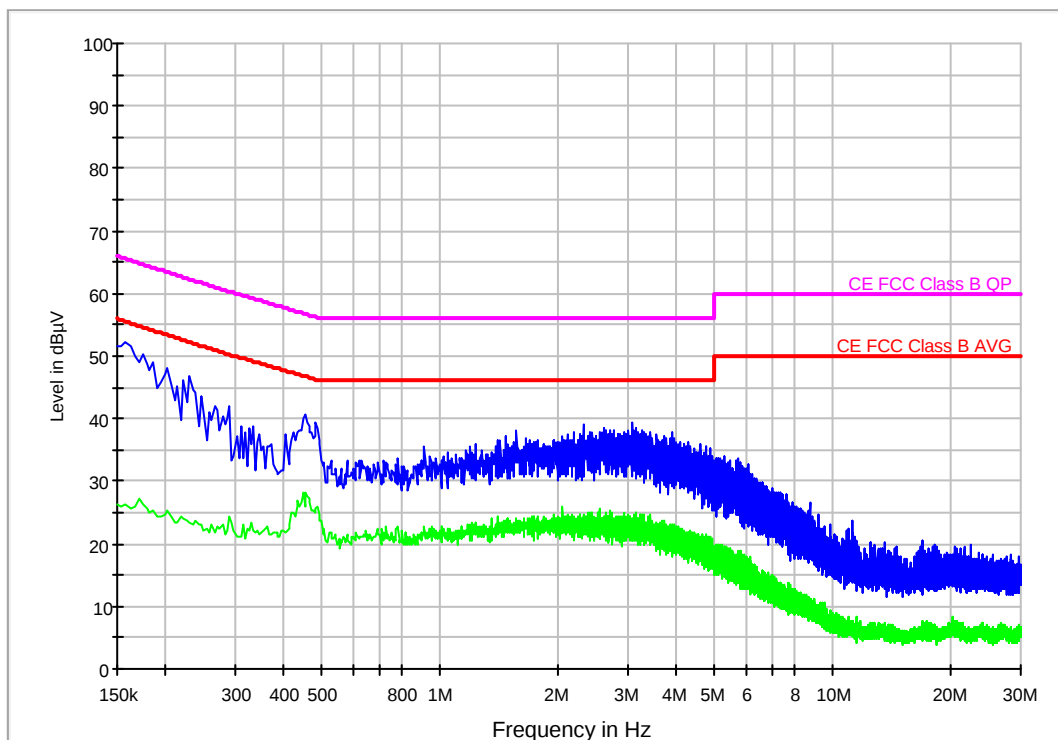
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	46.8	27.5
0.254000	36.5	22.6
0.486000	39.5	23.2
0.766000	33.1	19.5
1.266000	33.6	20.2
2.014000	36.6	19.6
3.234000	35.6	18.5
4.246000	34.6	15.9
5.162000	31.7	14.1
8.090000	23.6	8.1
13.818000	19.6	5.7
20.478000	19.2	5.0

Continuous Conducted emission : CC0111L1

Detector : Peak / Average / Cuasi-peak

Project: 30931rem001
 Company: ELEKTROBIT
 Sample: S/01
 Operation Mode: OM#11
 Date: #Date
 Setup: #Class
 Mode: EUT ON. TCH WIFI. BT Tx. Charging batteries. Phase noise.

EC FCC Class B ESPI CC



Subrange Maxima

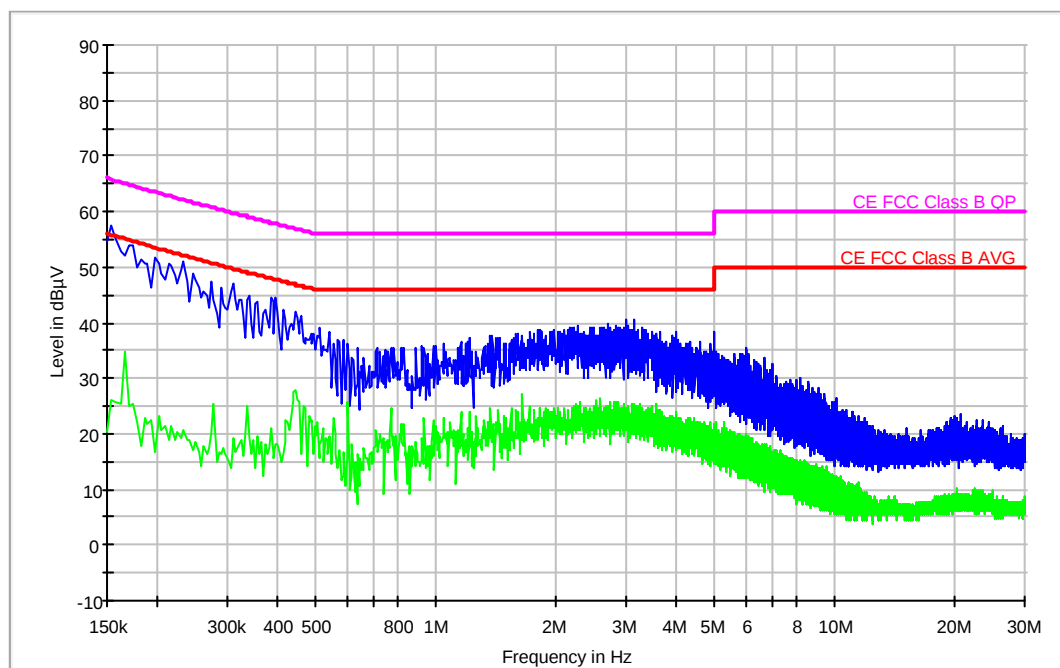
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.158000	52.2	26.2
0.234000	44.5	23.1
0.454000	40.7	28.1
0.778000	33.6	22.9
1.226000	35.8	23.3
1.562000	38.0	23.3
3.086000	39.6	23.9
3.402000	37.7	24.0
5.250000	34.0	18.4
8.690000	26.7	9.9
16.846000	20.4	6.8
22.482000	19.9	5.7

Continuous Conducted emission : CC02120N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#12
 Date: 2009-12-23 12:30
 Setup: EMI conducted
 Mode: EUT ON. Tx Sat + BT Tx. Neutral noise.

EC FCC Class B ESIB26 CC



Subrange Maxima

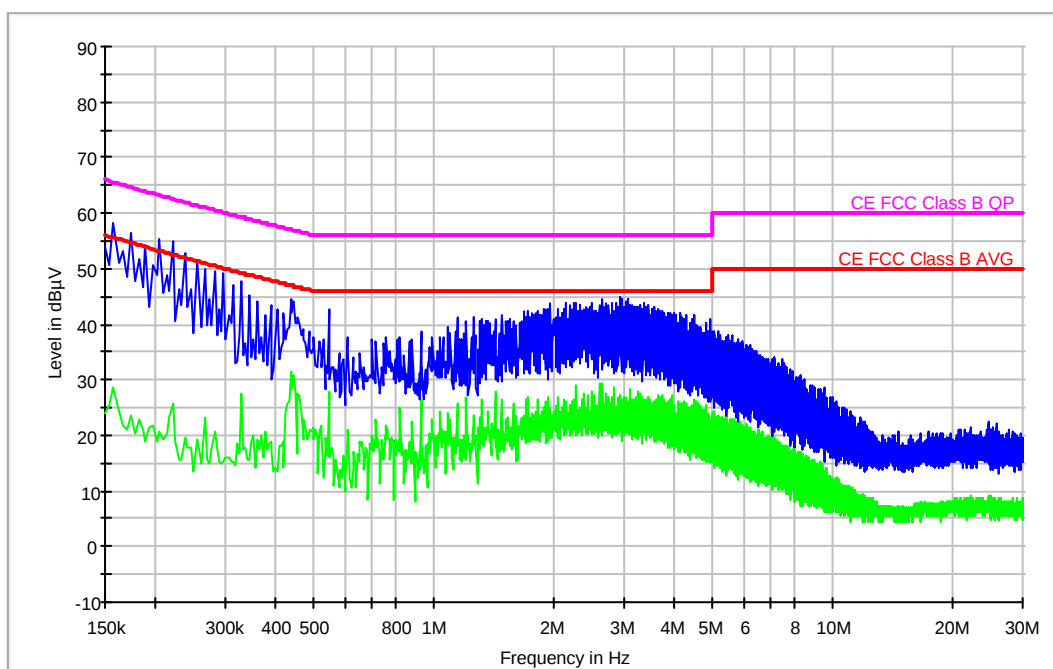
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.154000	57.4	26.2
0.234000	51.0	20.5
0.398000	44.5	18.2
0.570000	37.0	14.0
1.218000	37.2	24.0
1.978000	38.8	23.6
3.154000	40.4	25.0
3.306000	39.2	24.6
5.998000	35.6	18.1
8.186000	30.0	14.3
19.102000	22.2	8.7
20.670000	23.7	8.2

Continuous Conducted emission : CC0212L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/02
 Operation mode: OM#12
 Date: 2009-12-23 12:34
 Setup: EMI conducted
 Mode: EUT ON. Tx Sat + BT Tx. Phase noise.

EC FCC Class B ESIB26 CC



Subrange Maxima

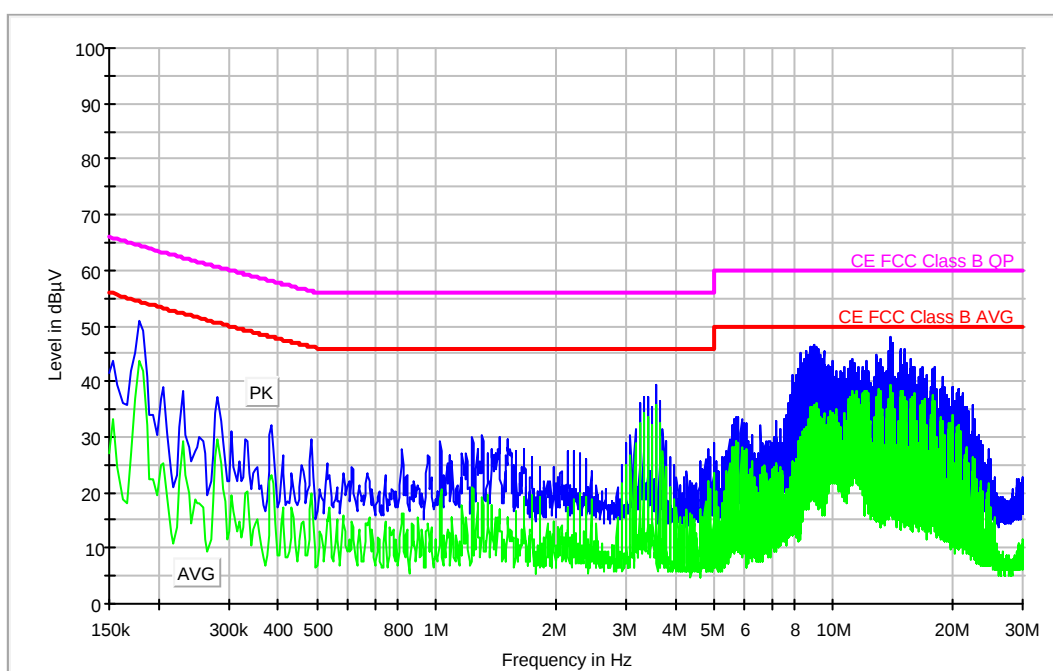
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.158000	58.2	28.5
0.238000	52.7	19.7
0.438000	44.4	31.5
0.826000	37.8	25.0
1.258000	41.4	23.5
1.966000	44.0	24.6
2.930000	44.9	27.1
3.370000	43.7	24.6
5.166000	38.8	22.4
8.266000	30.7	16.3
17.394000	20.9	6.2
24.658000	22.6	8.2

Continuous Conducted emission : CC03010N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-28 08:48
 Setup: EMI conducted
 Mode: EUT ON. IDLE 850MHz. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

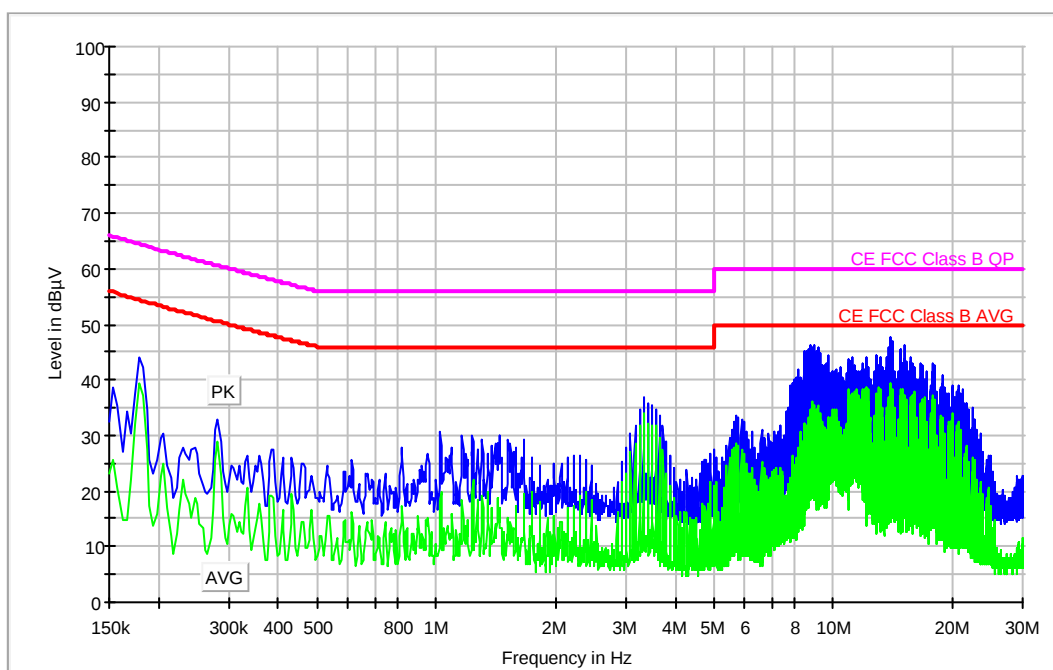
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	50.8	43.7
8.722000	45.9	32.5
8.798000	46.3	35.2
8.874000	46.2	32.2
8.954000	46.7	33.9
9.114000	46.1	34.1
9.194000	45.8	34.9
13.866000	47.9	39.0
13.930000	47.1	39.2
14.058000	46.8	38.0
14.826000	45.8	38.4
15.146000	45.9	37.2

Continuous Conducted emission : CC0301L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-28 08:52
 Setup: EMI conducted
 Mode: EUT ON. IDLE 850MHz. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

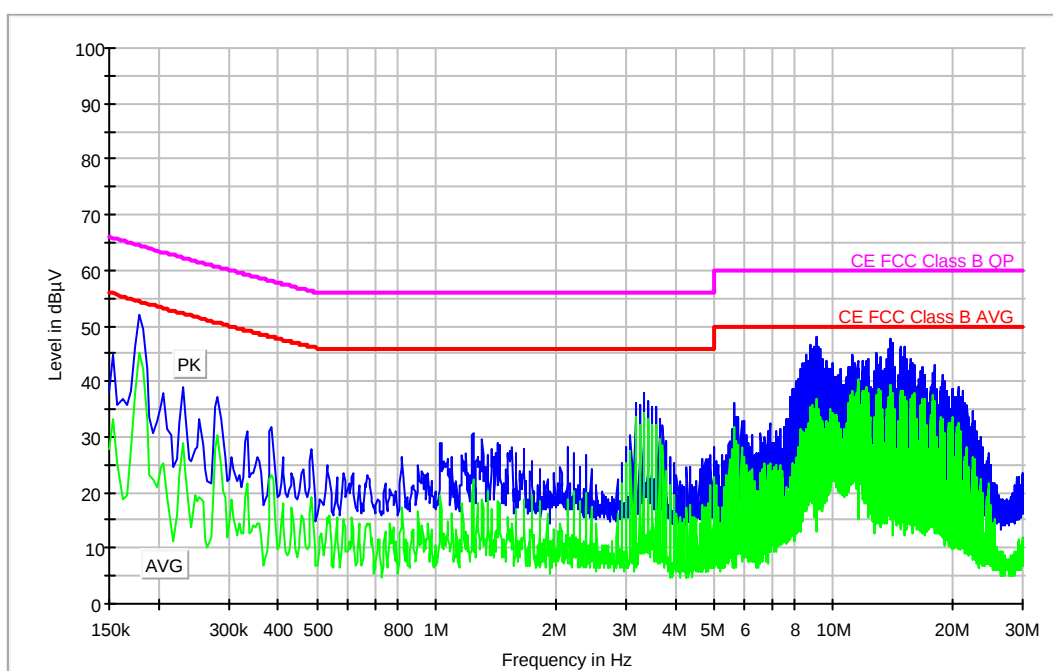
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
8.638000	45.5	33.1
8.798000	46.2	34.6
8.878000	45.7	36.2
8.954000	46.3	33.5
9.194000	45.7	34.1
13.742000	45.8	34.4
13.866000	47.1	39.0
13.930000	47.6	39.3
14.058000	46.8	38.1
14.762000	45.6	37.1
14.826000	45.6	38.2
15.146000	46.2	37.2

Continuous Conducted emission : CC03020N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#02
 Date: 2009-12-28 09:03
 Setup: EMI conducted
 Mode: EUT ON. IDLE 1900MHz. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

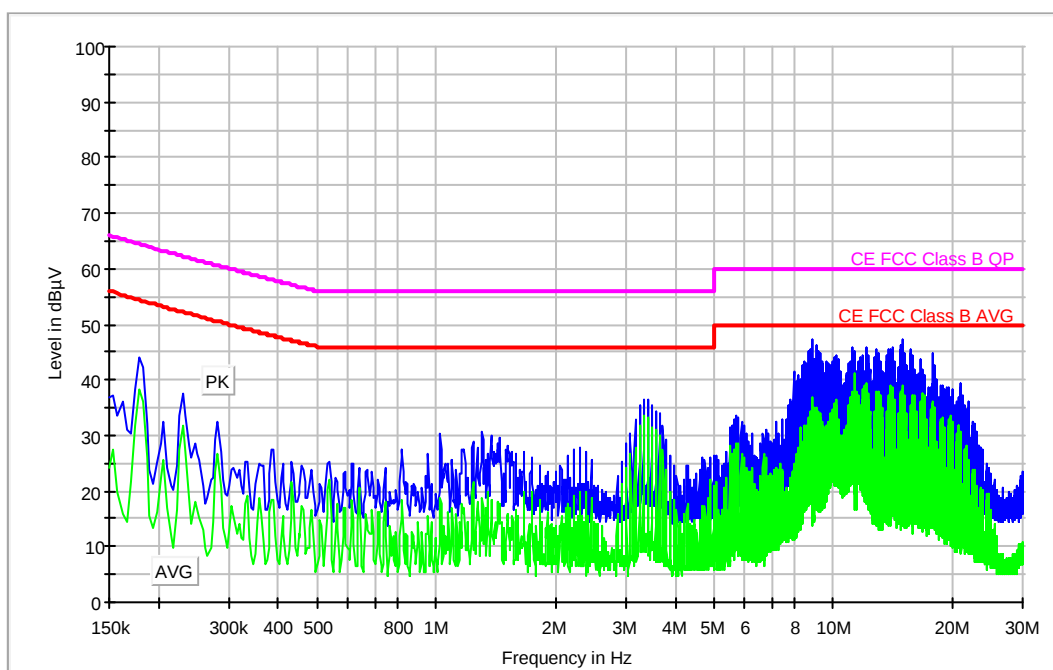
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	52.1	45.2
8.798000	46.7	35.3
8.878000	45.9	35.6
8.954000	46.2	33.9
9.046000	47.9	36.9
9.194000	46.2	34.9
13.742000	46.0	34.6
13.870000	46.5	37.2
13.930000	47.7	39.5
14.058000	46.9	38.0
14.826000	46.0	38.3
15.146000	46.0	37.2

Continuous Conducted emission : CC0302L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#02
 Date: 2009-12-28 09:07
 Setup: EMI conducted
 Mode: EUT ON. IDLE 1900MHz. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

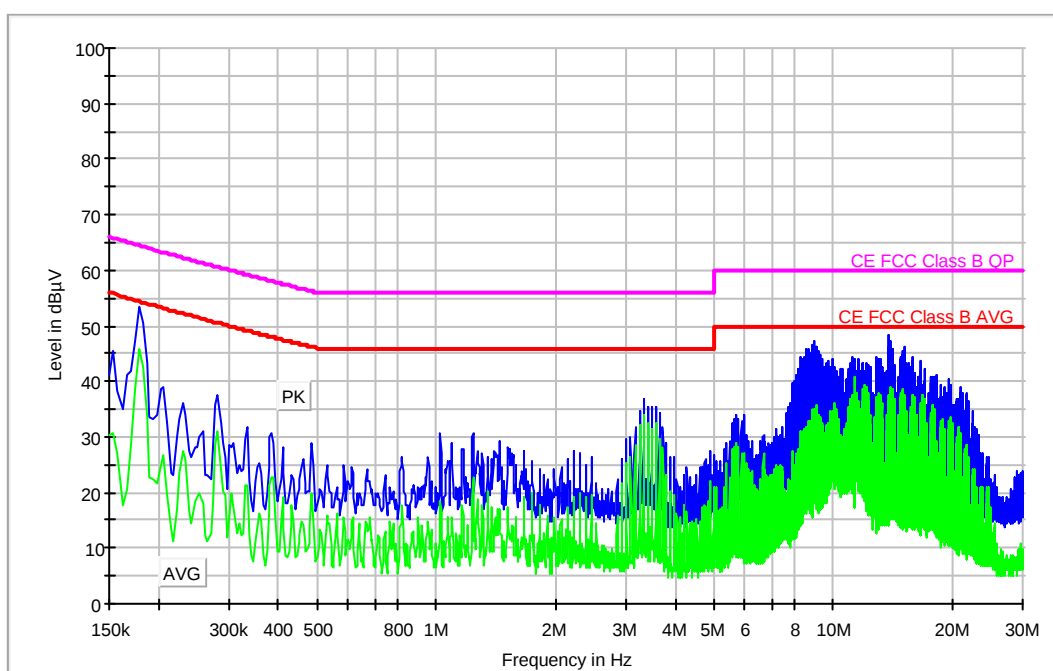
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
8.794000	45.5	30.7
8.886000	47.3	36.7
9.034000	46.2	34.7
11.182000	45.8	38.0
12.078000	45.7	39.2
13.738000	45.5	36.3
13.870000	45.6	36.5
14.058000	45.9	38.7
14.762000	46.3	37.7
14.890000	46.3	38.3
14.954000	47.2	39.0
15.594000	45.4	33.2

Continuous Conducted emission : CC03030N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#03
 Date: 2009-12-28 09:18
 Setup: EMI conducted
 Mode: EUT ON. IDLE UMTS FDD Band II. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

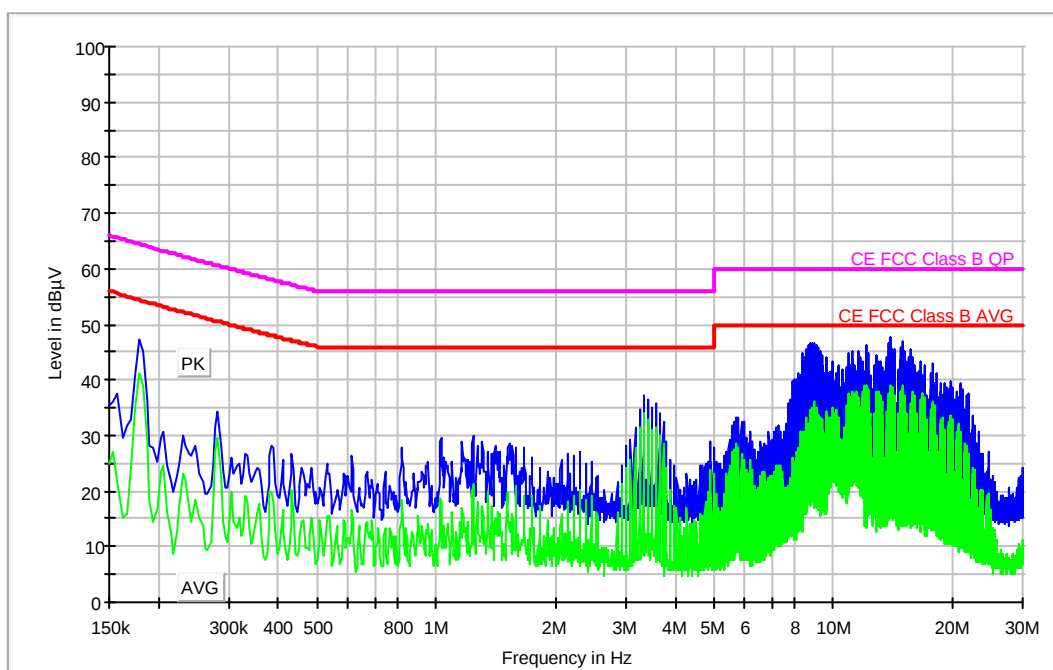
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	53.3	45.8
8.638000	45.9	32.5
8.806000	46.1	34.9
8.886000	46.6	33.3
8.954000	47.1	33.8
9.038000	46.2	35.7
9.114000	46.3	34.0
13.738000	46.3	36.4
13.802000	48.4	37.7
13.994000	47.2	38.9
14.062000	46.0	36.0
15.146000	46.0	36.1

Continuous Conducted emission : CC0303L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#03
 Date: 2009-12-28 09:22
 Setup: EMI conducted
 Mode: EUT ON. IDLE UMTS FDD Band II. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

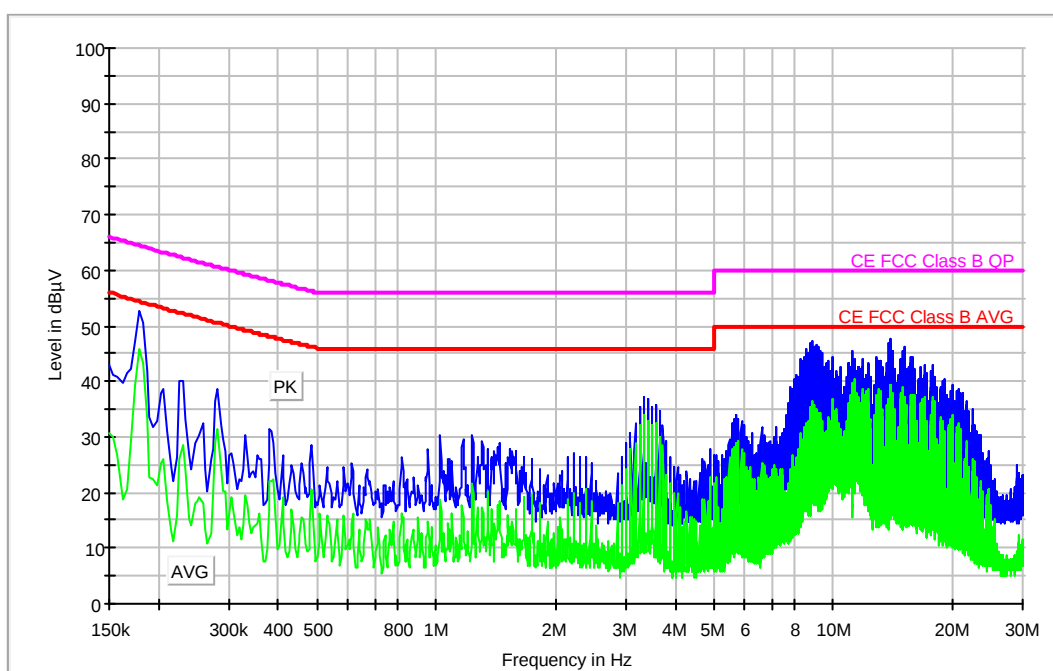
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	47.3	41.2
8.638000	46.1	31.9
8.718000	46.5	34.6
8.878000	46.5	35.0
8.958000	46.5	36.0
9.034000	46.2	33.5
12.142000	46.4	39.0
13.738000	46.5	36.4
13.870000	47.7	36.7
13.998000	47.1	36.4
14.762000	45.8	38.1
14.954000	47.1	39.0

Continuous Conducted emission : CC03040N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#04
 Date: 2009-12-28 09:38
 Setup: EMI conducted
 Mode: EUT ON. IDLE UMTS FDD Band V. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

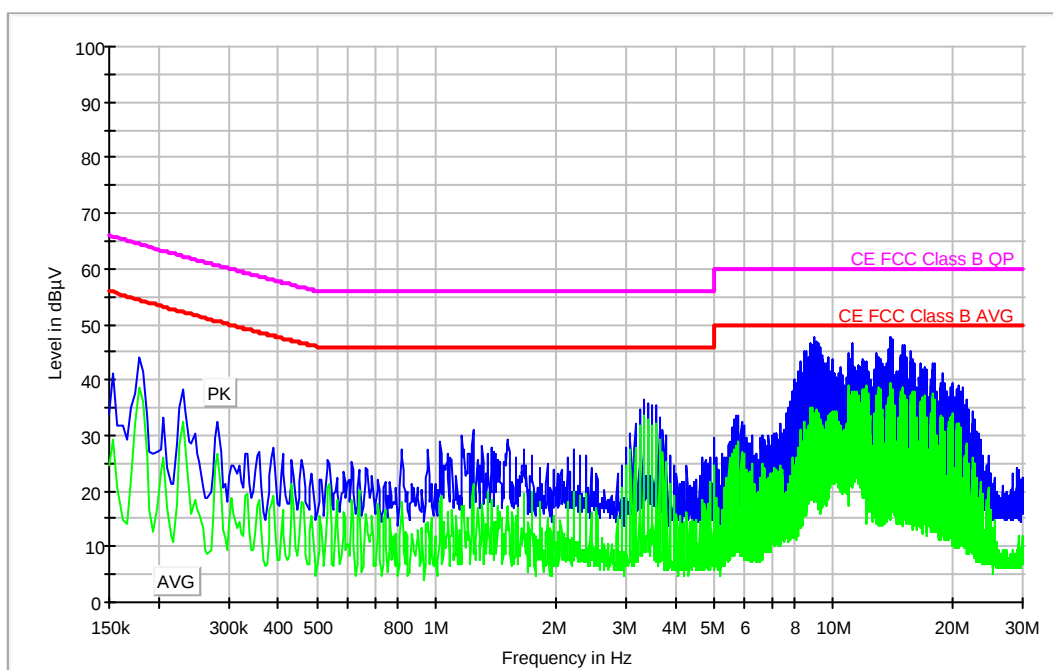
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	52.8	45.8
8.558000	45.9	31.3
8.730000	47.0	35.4
8.798000	46.2	35.2
8.878000	47.3	36.6
8.954000	46.2	33.4
9.034000	46.7	35.0
9.194000	46.3	34.2
13.738000	46.8	36.6
13.866000	47.1	39.2
13.930000	47.6	39.5
15.146000	46.2	37.3

Continuous Conducted emission : CC0304L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#04
 Date: 2009-12-28 09:42
 Setup: EMI conducted
 Mode: EUT ON. IDLE UMTS FDD Band V. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

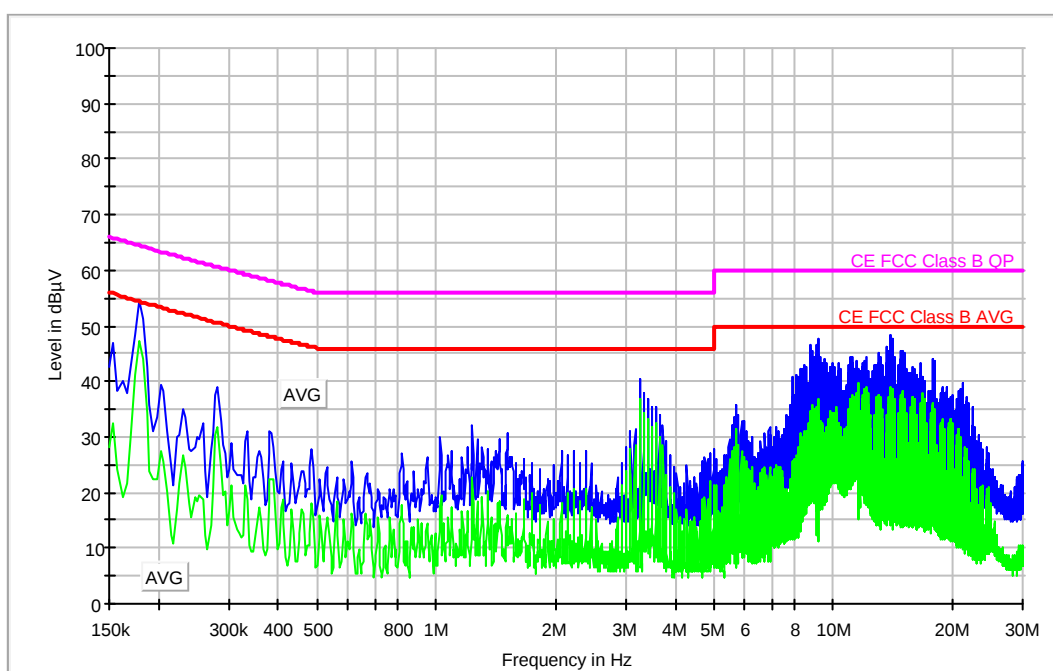
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
8.718000	46.1	33.0
8.798000	46.5	35.1
8.874000	46.1	32.3
8.954000	47.7	33.7
9.038000	46.6	34.6
9.114000	47.0	34.4
9.194000	46.7	34.1
11.182000	46.5	37.9
13.866000	47.7	39.4
13.930000	47.5	39.4
14.058000	47.2	38.1
15.146000	46.3	37.3

Continuous Conducted emission : CC03050N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#05
 Date: 2009-12-28 10:50
 Setup: EMI conducted
 Mode: EUT ON. IDLE WIFI. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

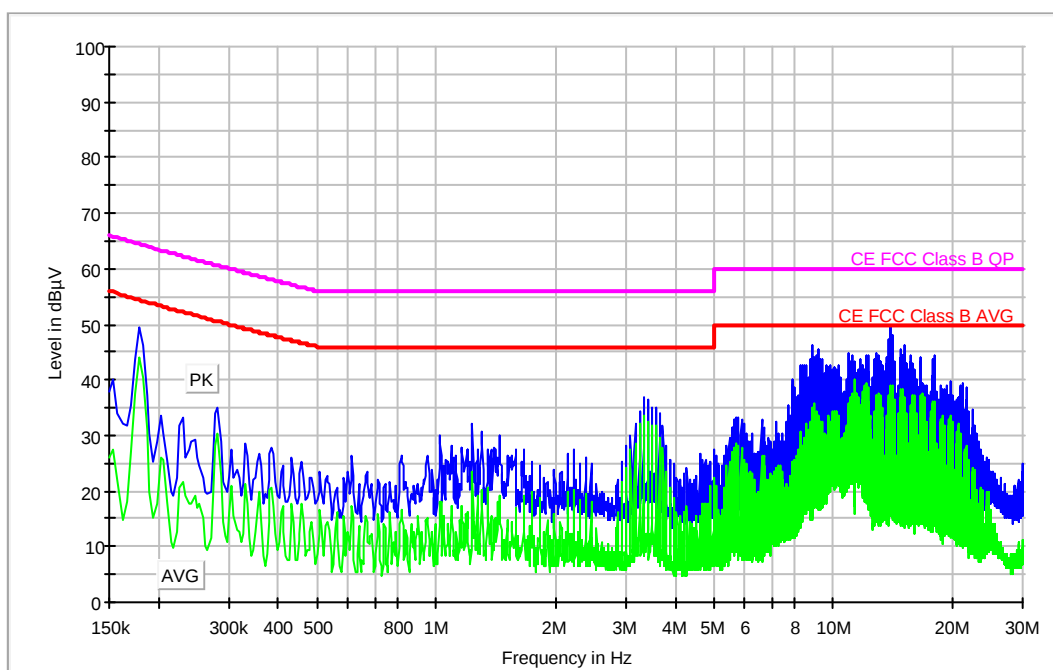
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	46.9	32.6
0.178000	54.4	47.3
8.718000	45.9	33.3
8.798000	46.7	34.7
9.038000	46.6	35.5
9.126000	47.7	36.8
13.674000	46.1	34.0
13.930000	45.8	38.6
13.994000	48.5	39.0
14.058000	47.7	38.8
14.698000	45.5	36.2
14.890000	45.5	37.8

Continuous Conducted emission : CC0305L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#05
 Date: 2009-12-28 10:53
 Setup: EMI conducted
 Mode: EUT ON. IDLE WIFI. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

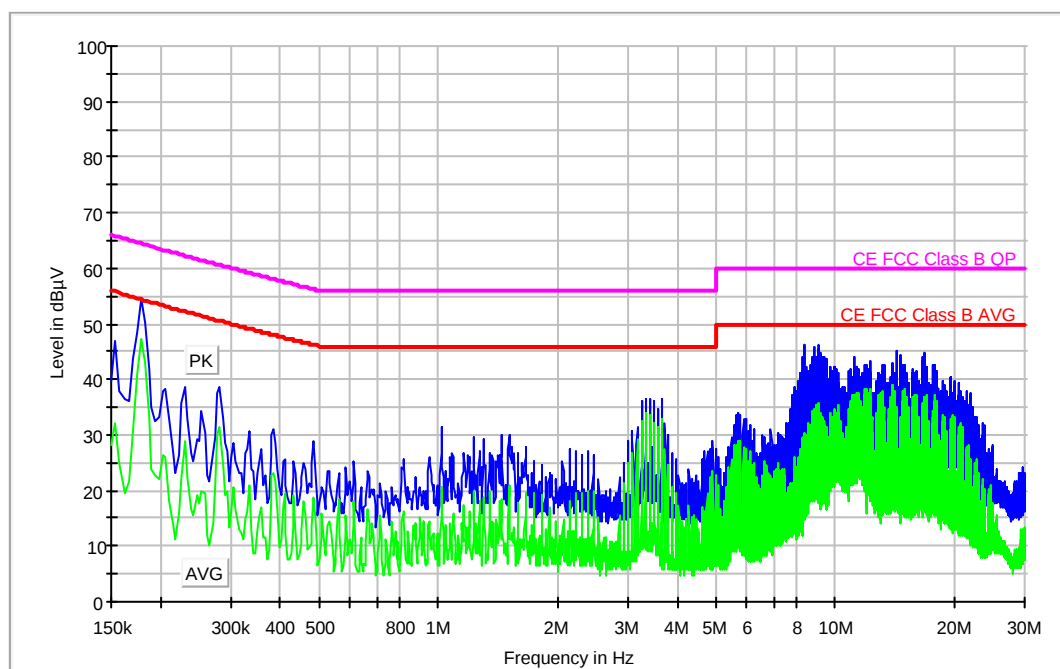
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	49.4	43.9
8.810000	46.1	35.1
9.198000	45.6	33.5
10.862000	44.6	35.7
12.206000	44.5	38.5
12.842000	44.7	36.4
13.806000	47.3	35.5
13.930000	49.4	39.2
14.058000	48.0	38.8
14.826000	45.4	38.3
14.890000	44.6	38.2
15.146000	46.3	35.8

Continuous Conducted emission : CC04060N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#06
 Date: 2009-12-28 11:20
 Setup: EMI conducted
 Mode: EUT ON. IDLE SAT. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

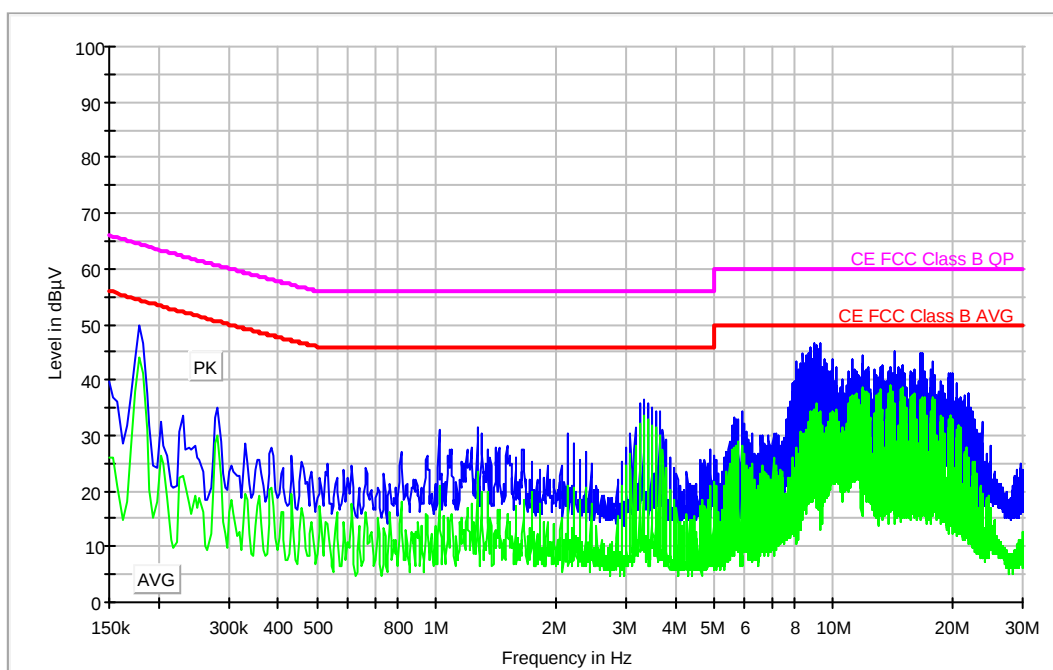
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.154000	46.9	32.3
0.178000	54.4	47.4
8.254000	44.2	29.2
8.330000	46.1	30.5
8.874000	45.9	32.1
9.038000	45.6	35.8
9.114000	46.3	34.4
9.190000	44.7	28.6
9.274000	44.2	33.0
14.186000	45.2	35.1
14.634000	44.3	33.1
16.690000	44.7	21.2

Continuous Conducted emission : CC0406L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#06
 Date: 2009-12-28 11:23
 Setup: EMI conducted
 Mode: EUT ON. IDLE SAT. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

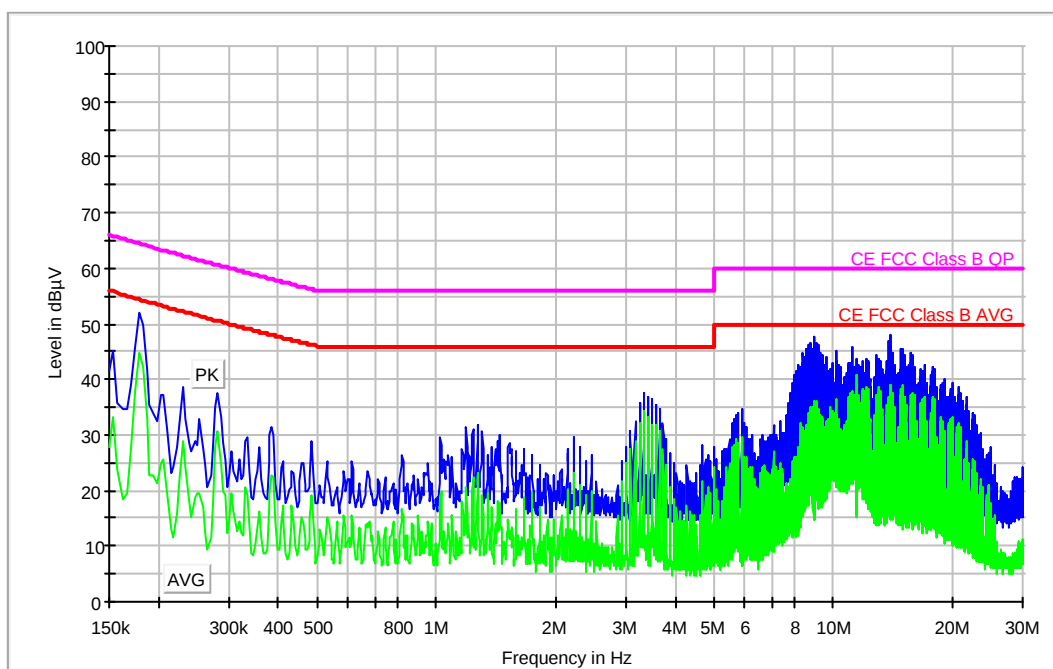
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	49.7	44.1
8.642000	44.9	32.6
8.718000	45.9	33.4
8.798000	45.3	34.4
8.958000	46.6	34.8
9.038000	46.2	35.6
9.114000	45.7	33.7
9.194000	45.6	34.1
9.286000	46.5	34.3
14.186000	45.1	35.6
16.654000	44.9	21.0
16.690000	44.9	20.7

Continuous Conducted emission : CC03070N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#07
 Date: 2009-12-28 08:59
 Setup: EMI conducted
 Mode: EUT ON. TCH 850MHz. BT TX. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

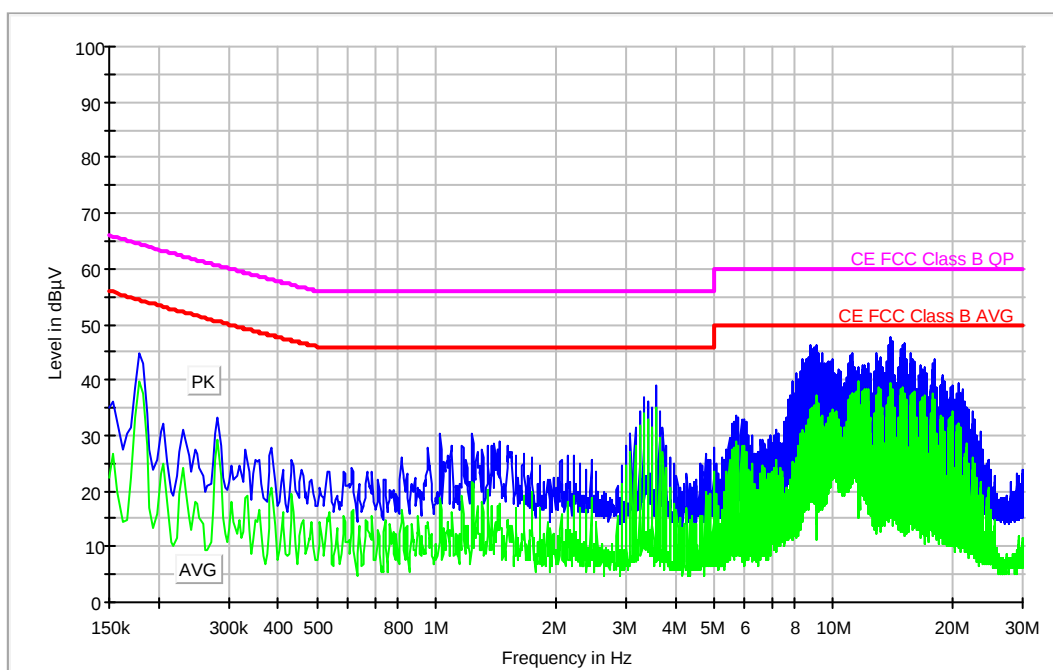
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	51.9	44.8
8.642000	46.1	34.1
8.718000	46.7	34.3
8.798000	46.2	35.1
8.966000	47.5	36.0
9.038000	46.2	36.0
9.114000	46.7	34.4
9.194000	46.2	34.8
11.182000	45.8	37.9
13.738000	47.1	36.4
13.866000	47.9	38.9
13.934000	45.9	36.4

Continuous Conducted emission : CC0307L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#07
 Date: 2009-12-28 08:56
 Setup: EMI conducted
 Mode: EUT ON. TCH 850MHz. BT TX. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

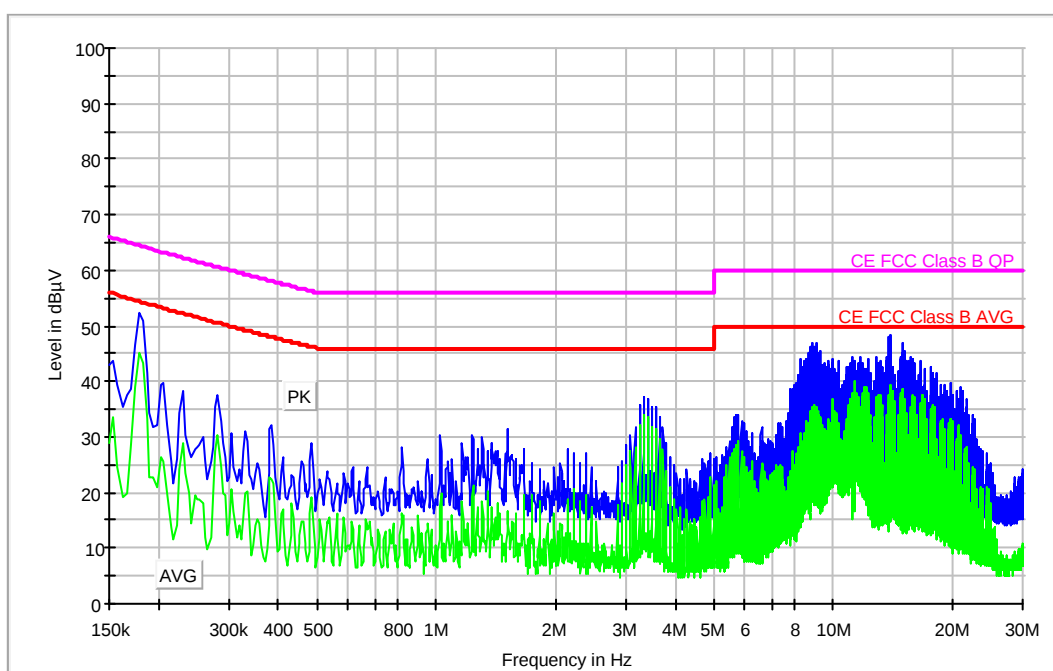
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
8.718000	46.3	34.5
8.794000	45.7	30.5
8.874000	45.4	32.3
8.958000	45.8	35.5
9.046000	46.2	37.1
13.742000	46.1	34.6
13.866000	47.7	39.3
13.930000	47.1	39.5
14.058000	46.8	38.2
14.762000	45.6	37.0
15.018000	46.0	37.7
15.146000	46.4	37.4

Continuous Conducted emission : CC03080N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#08
 Date: 2009-12-28 09:14
 Setup: EMI conducted
 Mode: EUT ON. TCH 1900MHz. BT TX. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

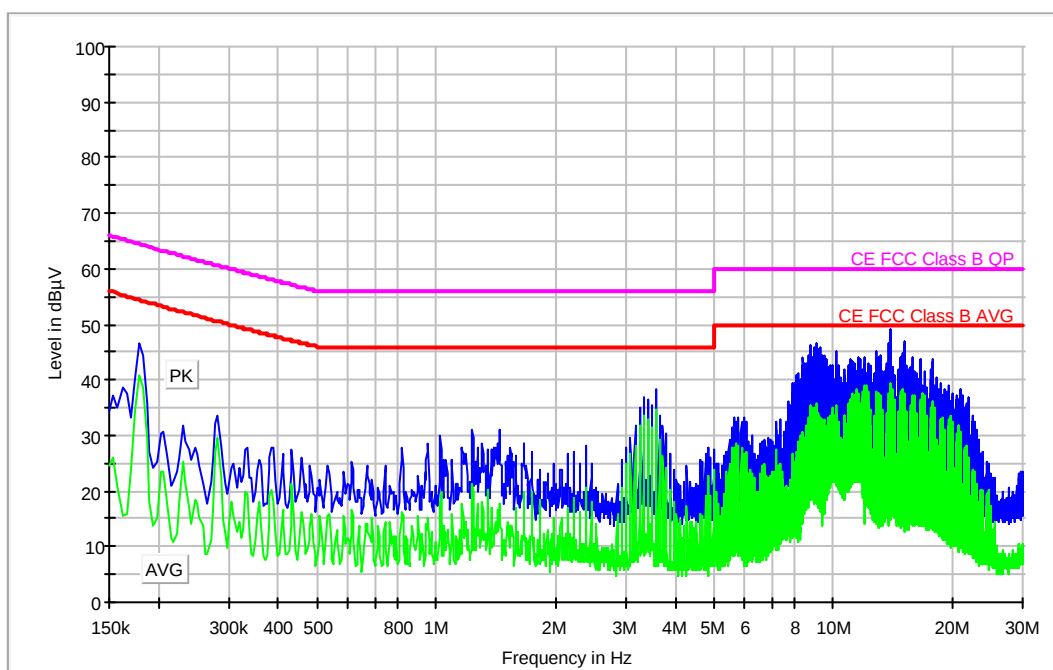
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	52.3	45.3
8.638000	45.3	32.5
8.726000	46.2	34.1
8.878000	47.0	35.4
8.954000	46.1	31.8
9.034000	46.9	33.7
9.274000	45.4	33.6
13.802000	48.0	37.6
13.930000	47.3	38.8
13.994000	48.4	39.2
15.018000	46.9	38.5
15.146000	45.4	36.0

Continuous Conducted emission : CC0308L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#08
 Date: 2009-12-28 09:11
 Setup: EMI conducted
 Mode: EUT ON. TCH 1900MHz. BT TX. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

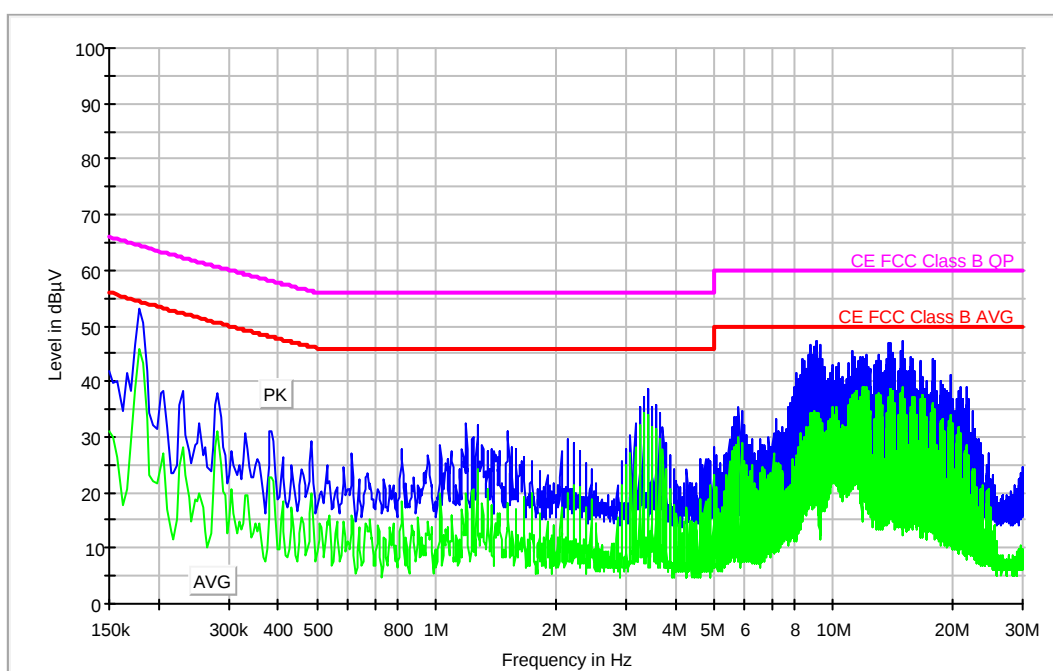
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.178000	46.5	41.0
8.718000	46.2	34.0
8.798000	45.9	35.4
8.958000	45.8	34.9
9.038000	46.5	35.6
9.114000	45.9	34.5
9.270000	45.7	31.6
13.802000	46.5	37.5
13.866000	49.2	38.6
13.930000	48.0	39.5
15.082000	46.8	37.7
15.146000	46.0	36.2

Continuous Conducted emission : CC03090N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#09
 Date: 2009-12-28 09:29
 Setup: EMI conducted
 Mode: EUT ON. IDLE UMTS FDD Band II. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

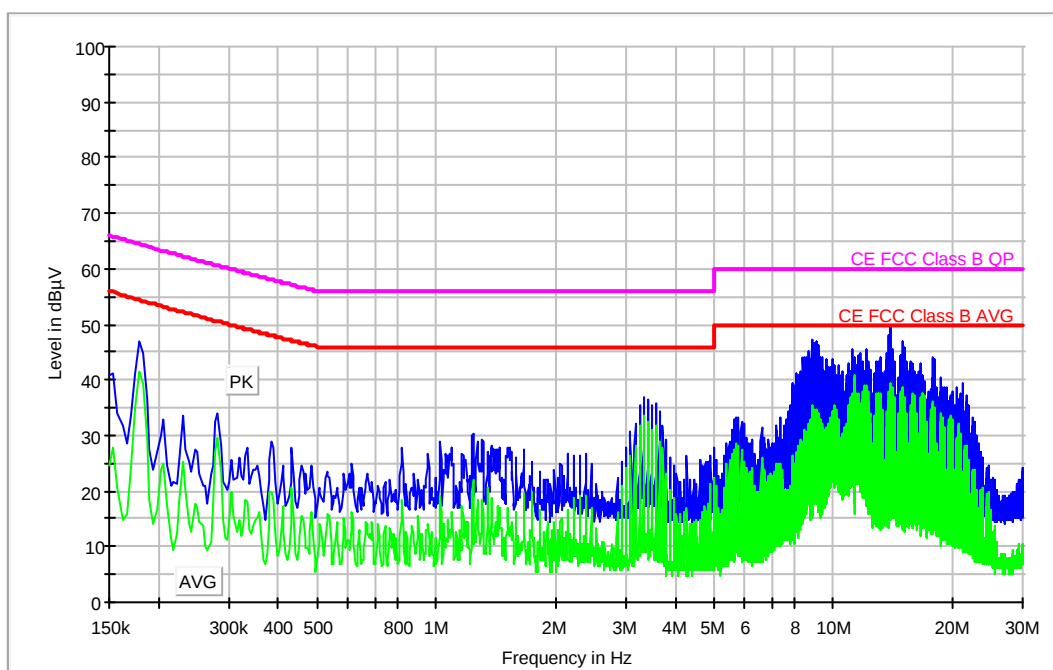
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	53.0	45.7
8.718000	46.6	33.8
8.802000	45.9	31.8
8.958000	46.3	34.8
9.034000	47.3	32.8
9.114000	47.1	33.7
9.282000	46.7	31.9
13.738000	46.8	36.3
13.870000	47.1	36.4
14.762000	45.5	38.0
14.890000	45.6	38.3
14.954000	47.2	38.9

Continuous Conducted emission : CC0309L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#09
 Date: 2009-12-28 09:26
 Setup: EMI conducted
 Mode: EUT ON. TCH UMTS FDD Band II. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

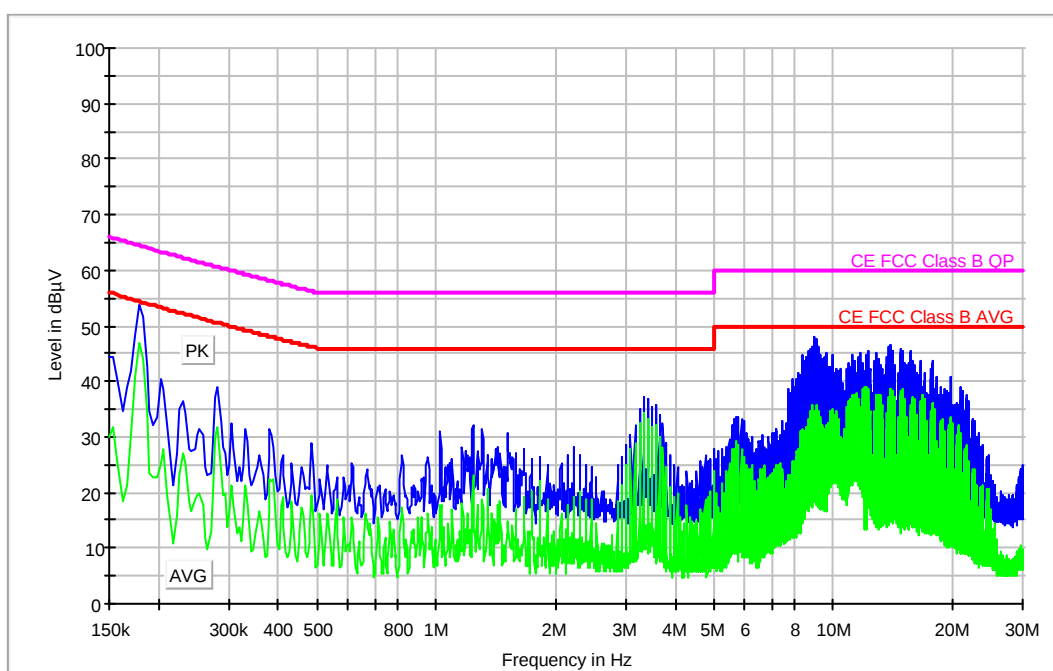
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	47.0	41.4
8.806000	47.1	34.8
8.878000	46.7	35.5
8.954000	46.6	32.8
9.038000	47.0	34.7
9.194000	46.3	34.1
12.142000	45.3	38.8
13.802000	48.1	37.7
13.930000	49.9	39.4
14.062000	45.5	36.0
15.018000	47.1	38.6
15.146000	45.9	36.2

Continuous Conducted emission : CC03100N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#10
 Date: 2009-12-28 10:35
 Setup: EMI conducted
 Mode: EUT ON. TCH UMTS FDD Band V. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

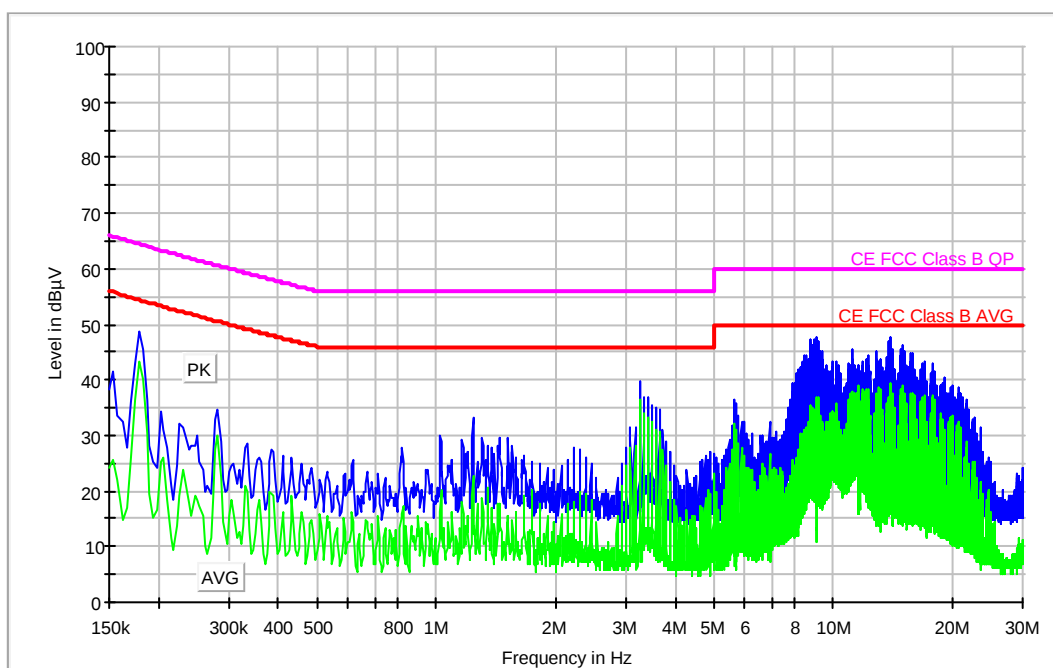
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	53.8	46.8
8.798000	45.8	34.8
8.874000	46.3	31.9
8.954000	47.9	33.7
9.038000	46.9	35.7
9.114000	47.5	34.2
9.194000	46.2	34.5
13.738000	46.3	36.3
13.870000	46.7	36.2
13.998000	46.3	36.2
14.762000	46.0	37.5
15.594000	45.6	33.1

Continuous Conducted emission : CC0310L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#10
 Date: 2009-12-28 10:32
 Setup: EMI conducted
 Mode: EUT ON. TCH UMTS FDD Band V. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

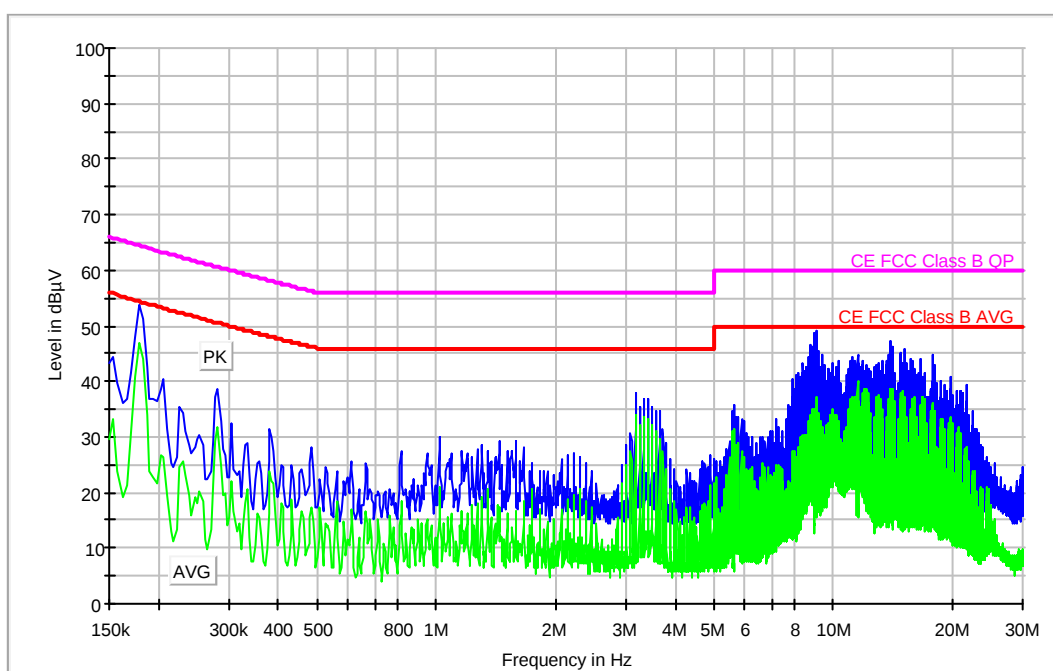
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.178000	48.7	43.2
8.718000	46.7	33.8
8.798000	47.3	35.4
8.874000	46.2	32.5
8.958000	47.4	34.5
9.046000	47.8	36.9
9.126000	47.0	37.0
13.738000	46.9	36.5
13.866000	47.5	39.0
13.934000	46.0	36.6
14.826000	45.6	38.3
15.018000	46.2	37.7

Continuous Conducted emission : CC03110N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-28 11:12
 Setup: EMI conducted
 Mode: EUT ON. TCH WIFI. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

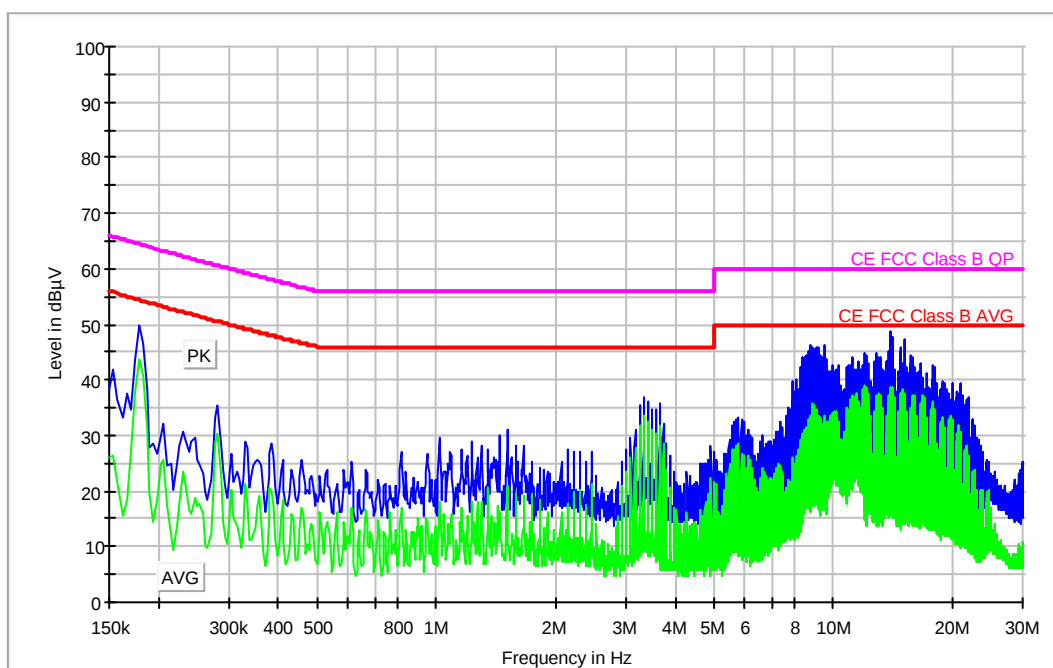
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	53.8	47.0
8.718000	45.9	32.9
8.798000	46.6	33.9
8.882000	46.1	32.7
8.966000	48.8	35.0
9.046000	49.0	37.2
9.114000	46.5	33.6
13.866000	46.1	38.3
13.930000	47.3	38.7
13.994000	45.6	38.7
14.058000	46.1	38.6
15.082000	45.9	37.2

Continuous Conducted emission : CC0311L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/03
 Operation mode: OM#01
 Date: 2009-12-28 11:09
 Setup: EMI conducted
 Mode: EUT ON. TCH WIFI. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

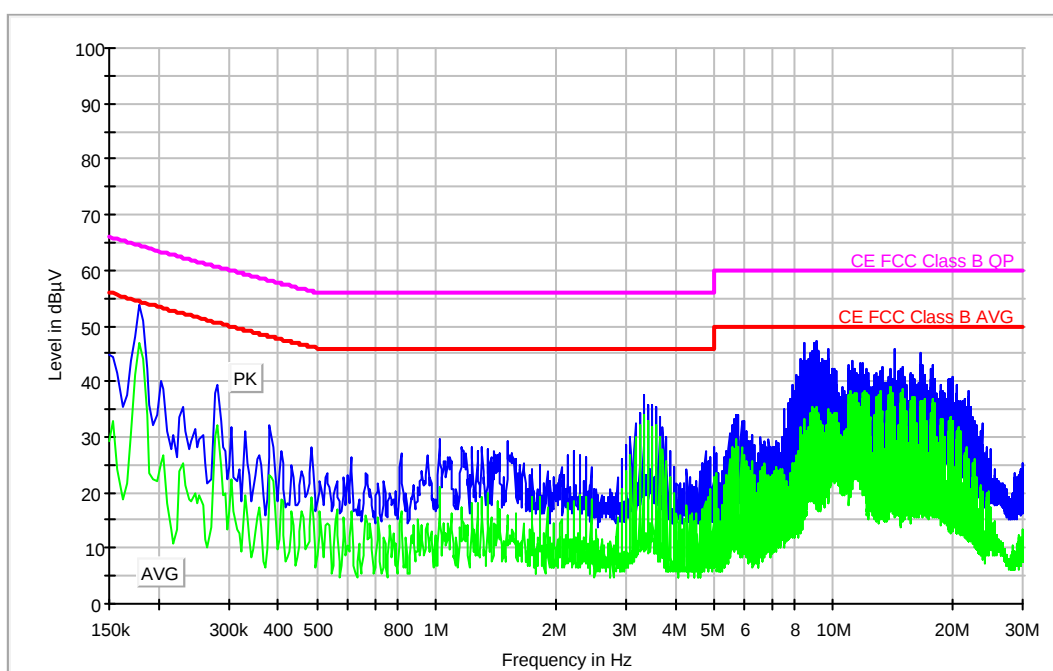
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	49.7	43.7
8.798000	46.3	33.5
8.878000	45.9	35.7
8.954000	45.5	32.6
9.038000	45.9	34.8
9.194000	45.7	33.6
9.522000	46.1	33.5
13.866000	48.6	38.7
13.930000	47.5	38.7
14.058000	47.7	38.7
14.762000	45.9	37.6
15.082000	47.2	37.7

Continuous Conducted emission : CC04120N

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#12
 Date: 2009-12-28 11:35
 Setup: EMI conducted
 Mode: EUT ON. TCH SAT. BT activated. Charging batteries. Neutral noise.

EC FCC Class B ESIB26 ALC



Max PK-AVG

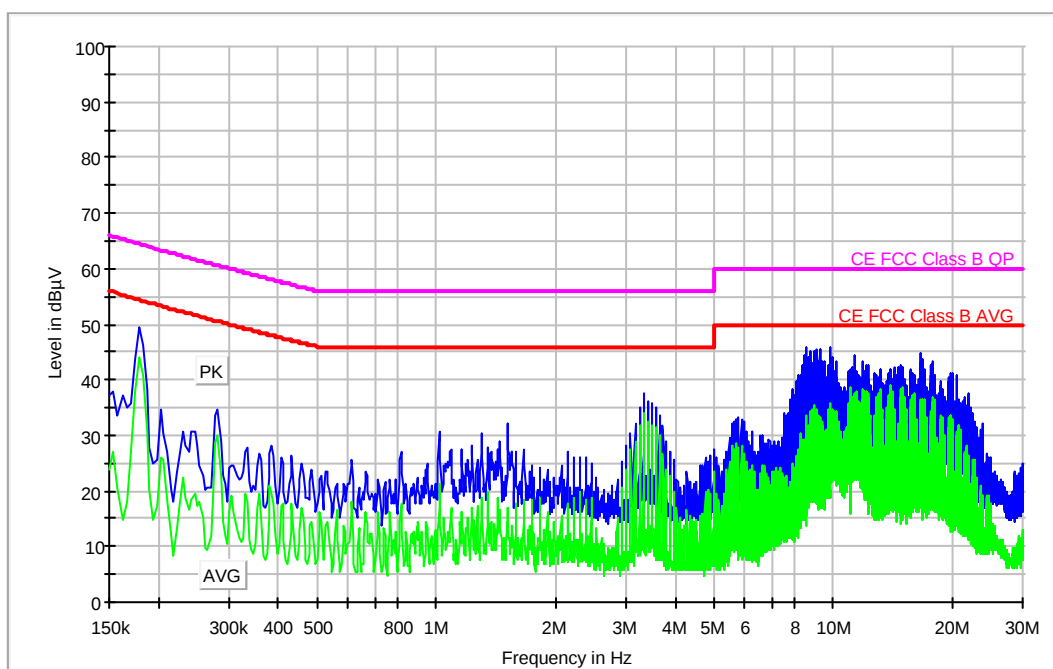
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.150000	44.6	29.1
0.178000	53.8	47.0
8.490000	46.9	33.3
8.722000	45.1	32.5
8.878000	45.4	35.3
8.954000	47.0	33.5
9.038000	47.1	35.5
9.114000	46.1	33.8
9.194000	45.6	33.8
9.682000	45.7	35.0
14.186000	45.8	35.4
16.654000	45.1	21.1

Continuous Conducted emission : CC0412L1

Detector : Peak / Average / Cuasi-peak

Project: 30931iem.001
 Company: ELEKTROBIT
 Sample: S/04
 Operation mode: OM#12
 Date: 2009-12-28 11:39
 Setup: EMI conducted
 Mode: EUT ON. TCH SAT. BT activated. Charging batteries. Phase noise.

EC FCC Class B ESIB26 ALC

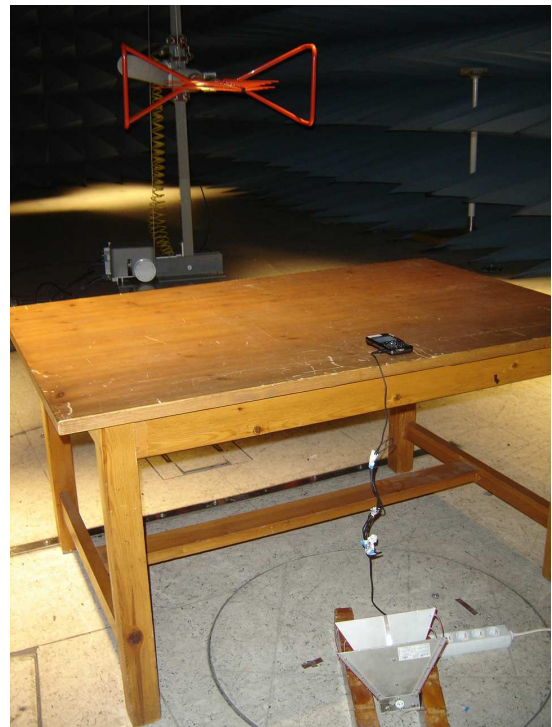


Max PK-AVG

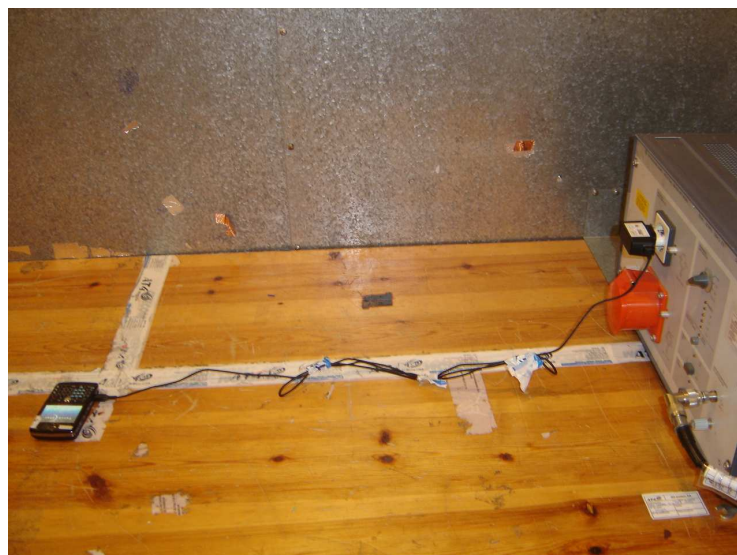
Frequency (MHz)	MaxPeak-ClearWrite (dBμV)	Average-ClearWrite (dBμV)
0.178000	49.5	44.0
8.494000	44.5	28.9
8.570000	45.7	33.7
8.798000	45.0	34.4
8.958000	45.1	35.4
9.034000	45.3	32.8
9.114000	45.4	33.6
9.274000	45.6	33.2
9.838000	45.7	35.7
9.906000	44.1	34.8
11.246000	44.4	36.5
16.654000	44.7	21.0

APPENDIX B: Pictures

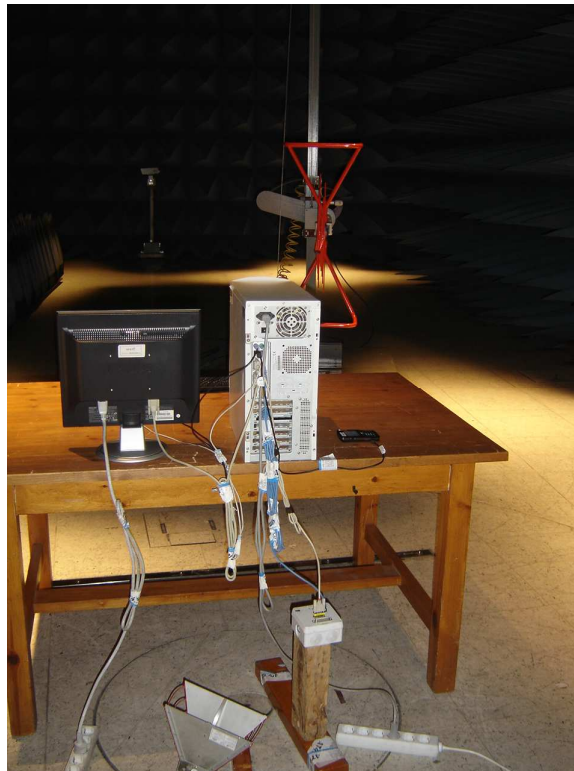
Sample with AC/DC Adapter (Radiated Emission)



Sample with AC/DC Adapter (Conducted Emission)



Sample in Computer Peripheral Device mode (Radiated emission)



Sample in Computer Peripheral Device mode (Conducted Emission)

