

  <p>ENAC E N S A Y O S Nº 51/LE203</p>	<p>FCC LISTED, REGISTRATION NUMBER: 905266</p> <p>IC LISTED REGISTRATION NUMBER IC 4621A-1</p>	<p>AT4 wireless, S.A. Parque Tecnológico de Andalucía, c/ Severo Ochoa nº 2 29590 Campanillas/ Málaga/ España Tel. 952 61 91 00 - Fax 952 61 91 13 MÁLAGA, C.I.F. A29 507 456 Registro Mercantil de Málaga, Tomo 1169, Libro 82, Folio 133, Hoja MA3729</p>
<p>TEST REPORT</p> <p>REFERENCE STANDARD:</p> <p>FCC Rules and Regulations 47 CFR Chapter I Part 15 Subpart B (10-01-10 Edition) & ICESS-003 ISSUE 5</p> <p>FCC Rules and Regulations 47 CFR Chapter I Part 15 Subpart B: Radio frequency devices Subpart B. Unintentional radiators & ICESS-003 ISSUE 5</p>		
<p>NIE..... : 38067REM.001</p> <p>Approved by (name / position & signature) : Rafael López EMC Manager</p> <p>Elaboration date : 2013-02-26</p>		
<p>Identification of item tested : 7260HMW</p> <p>Trademark : INTEL</p> <p>Model and/or type reference : 7260HMW</p> <p>Other identification of the product : S/N: 001500B666B5. Commercial name: 7260HMW HW version: QS SW version: Intel Pro Set V16 For OEM factory installation: FCC ID: PD97260H IC: 1000M-7260H For user installation: FCC ID: PD97260HU IC: 1000M-7260H</p> <p>Features : No provided data.</p> <p>Description : 802.11 a/b/g/n/ac wireless LAN + BT PCIe half-mini card.</p>		
<p>Applicant : INTEL CORPORATION</p> <p>Address..... : 100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA</p> <p>CIF/NIF/Passport..... : Not provided data</p> <p>Contact person..... : Steven Hackett</p> <p>Telephone / Fax..... : Tel: 803-216-2344 / Fax: 803-216-2176</p> <p>e-mail..... : steven.c.hackett@intel.com</p>		

Test samples supplier	INTEL CORPORATION
Address	100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA
CIF/NIF/Passport.....	Not provided data
Contact person.....	Steven Hackett
Telephone / Fax	Tel: 803-216-2344 / Fax: 803-216-2176
e-mail.....	steven.c.hackett@intel.com
Manufacturer	INTEL CORPORATION
Address	100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA
CIF/NIF/Passport.....	Not provided data
Contact person.....	Steven Hackett
Telephone / Fax	Tel: 803-216-2344 / Fax: 803-216-2176
e-mail.....	steven.c.hackett@intel.com
Test method requested	
Standard.....	FCC Rules and Regulations 47 CFR Chapter I Part 15 Subpart B (10-01-10 Edition); ICES-003 ISSUE 5 & ANSI C63.10-2009: American National standard for Testing Unlicensed Wireless Devices.
Test procedure.....	PEEM103
Report template No.....	FDT08_14
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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: The client.

The 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>
38067/12	7260HMW	INTEL CORPORATION	7260HMW	001500B666B5	2013-01-08

Auxiliary elements used with the sample S/01:

<u>Control N°</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial N°</u>	<u>Date of reception</u>
38067/06	Connection cable	---	---	---	2013-01-08
38067/07	Laptop PC	DELL	Latitude E5420	9V5RBT1	2013-01-08
38067/08	Cable of the AC/DC Adapter	DELL	---	---	2013-01-08
38067/09	AC/DC Adapter	DELL	LA90PM111	0YD9S8	2013-01-08
38067/15	HMC Reference antenna	Universe	WIMAX/WLAN	---	2013-01-08
38067/16	HMC Reference antenna	Universe	WIMAX/WLAN	---	2013-01-08
38067/37	HMC/NGFF Testing board	INTEL	PCB00390	3902412-252	2013-01-11
38067/38	Adapter of the AC/DC Board Testing	SINPRO	SPU60-102	07990464 1249	2013-01-11
RTF-6322	Router WiFi	ASUS	RT-AC66U	C8IEOB008048	N/A

Testing period

The performed test started on 2013-01-15 and finished on the 2013-01-22.

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 kΩ
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 kΩ
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 kΩ
Reference resistance to earth	< 0,5 Ω

Summary

Considering the results of the performed test according to standard **FCC Rules and Regulations 47 CFR Chapter I Part 15 Subpart B (10-01-10 Edition) & ICES-003 ISSUE 5**, 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: Pedro Manuel Valenzuela & José Manuel Gómez.

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.

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 12,75 GHz to 26 GHz is $I = \pm 4,09$ dB for average and peak measurements.

Testing verdicts

Not applicable	NA
Pass.....	P
Fail	F
Not measured.....	NM

List of equipment used during the test

CONTROL NUMBER	DESCRIPTION	MANUFACTURER	MODEL	LAST CALIBRATION	NEXT CALIBRATION
1999	EMI Receptor	ROHDE & SCHWARZ	ESIB 26	2011-11-03	2013-11-03
2942	EMI Receptor	ROHDE & SCHWARZ	ESU 40	2012-03-05	2014-03-05
245	Horn Antenna	HEWLETT PACKARD	11966E	2011-03-18	2014-03-18
246	Horn Antenna	HEWLETT PACKARD	11966E	2013-03-06	2015-03-06
1658	RF Amplifier	SCHAFFNER	CPA9231A	2011-06-17	2013-06-17
3541	Bilog Hybrid antenna	SUNOL SCIENCES CORPORATION	JB6	2012-06-01	2015-06-01
3556	Thermohygrograph	T&D	TR-72W	2012-11-30	2013-11-30
3545	Thermohygrograph probe	PICO TECHNOLOGY	HUMIDIPROBE	2012-02-02	2013-02-02
3822	Horn Antenna	ROHDE & SCHWARZ	HF907	2010-11-03	2013-11-03
0224	LISN	ROHDE & SCHWARZ	ESH2-Z5	2013-01-22	2015-01-22

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. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
OM#02	EUT ON. WiFi transmitting in 2.4GHz. Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
OM#03	EUT ON. WiFi transmitting in 5GHz. Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
OM#04	EUT ON. Bluetooth in transmission mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz.

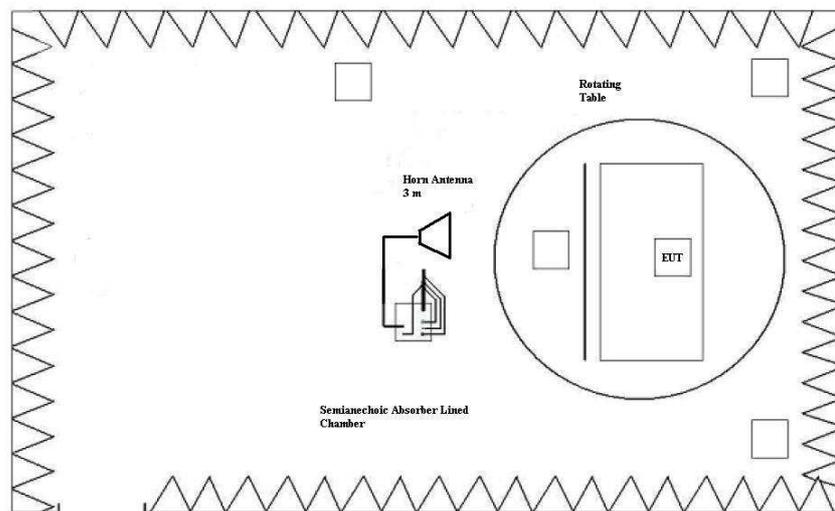
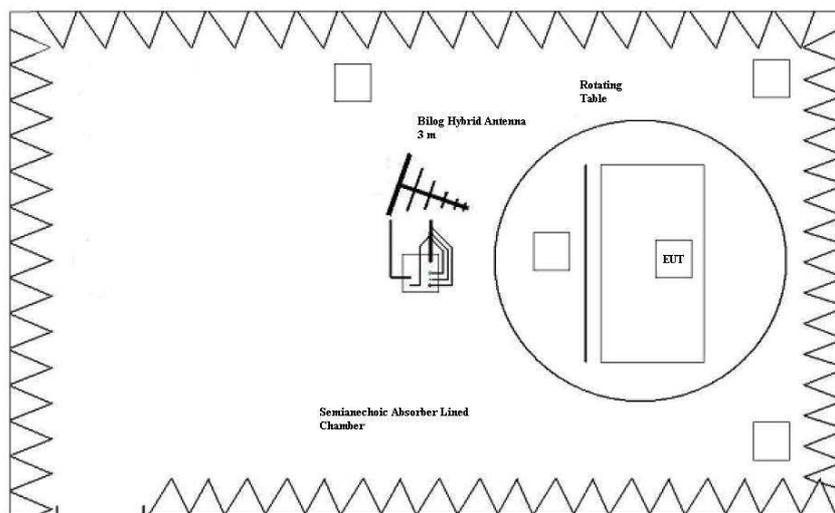
RADIATED EMISSION. ELECTROMAGNETIC FIELD MEASURE.

LIMITS:	Product standard:	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ICES-003 ISSUE 5
	Test standard:	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B; ICES-003 ISSUE 5 & ANSI C63.10-2009

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 15.109, Subpart B in the frequency range 30 MHz to 25 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

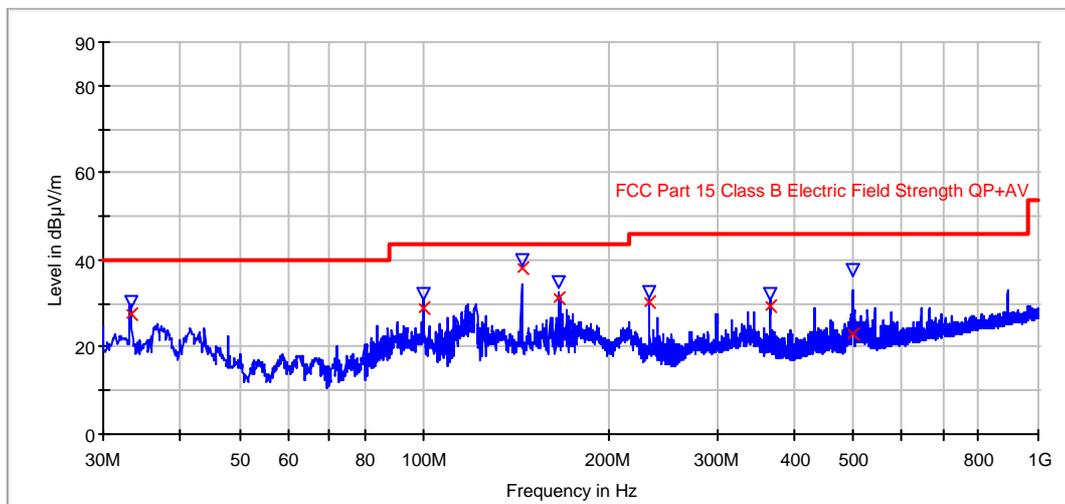


TESTED SAMPLES:	S/01	
TESTED OPERATION MODES:	OM#01	
TEST RESULTS :	CRmmnn: CR, Radiation Condition; mm: Sample number; nn: Operation mode, xx: Polarisation.	
CRmmnn	Description	Result
CR0101	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 30-1000 MHz.	P
CR0101_RA1_PH	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 1-12.75 GHz. Horizontal pol.	P
CR0101_RA1_PV	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 1-12.75 GHz. Vertical pol.	P
CR0101_RA2_PH	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 12.75-18 GHz. Horizontal pol.	P
CR0101_RA2_PV	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 12.75-18 GHz. Vertical pol.	P
CR0101_RA3_PH	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 18-25 GHz. Horizontal pol.	P
CR0101_RA3_PV	EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Range 18-25 GHz. Vertical pol.	P

Radiated Emission: CR0101 (30MHz to 1GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz.

ER FCC Class B Bilog Hybrid



— Limit — MaxPeak Measurement × QuasiPeak ▽ MaxPeak

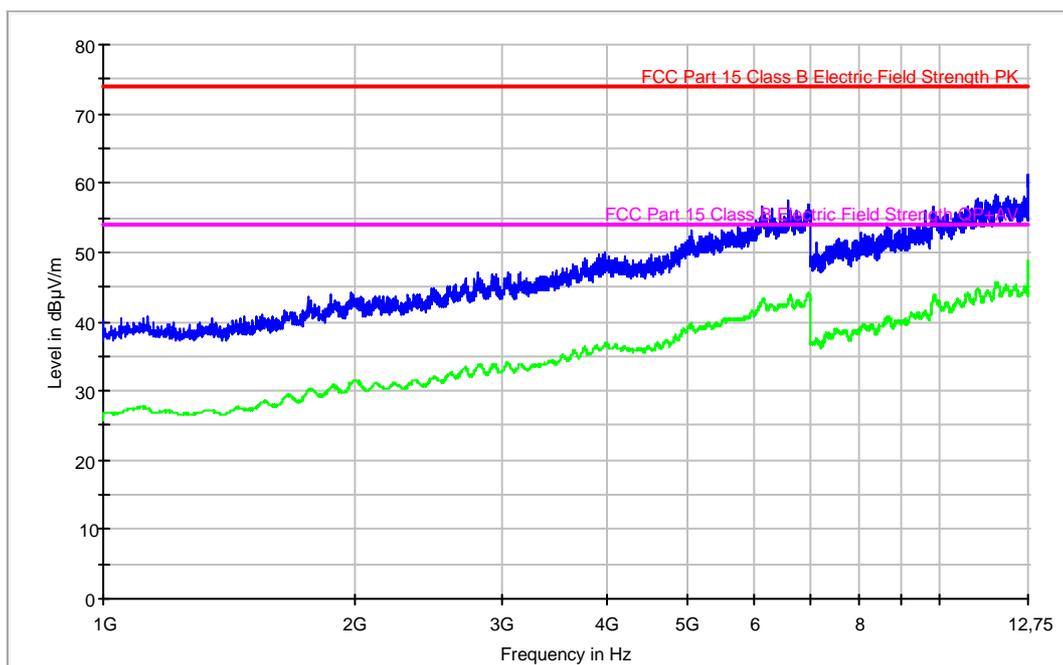
Maximized

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Antenna height (cm)	Polarity	Turntable position (deg)
33.298998	27.3	30.3	99.00	V	139.0
99.925651	28.7	32.0	121.00	V	123.0
143.998998	37.9	39.8	113.00	V	238.0
166.002806	31.4	34.8	131.00	V	67.0
232.360922	30.1	32.6	111.00	V	344.0
366.503006	29.3	32.0	135.00	V	96.0
499.813026	23.1	37.5	119.00	V	268.0

Radiated Emission: CR0101_RA1_PH (1 – 12.75 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Horizontal Polarization.

FCC 1-12.75GHz class B Horn 245



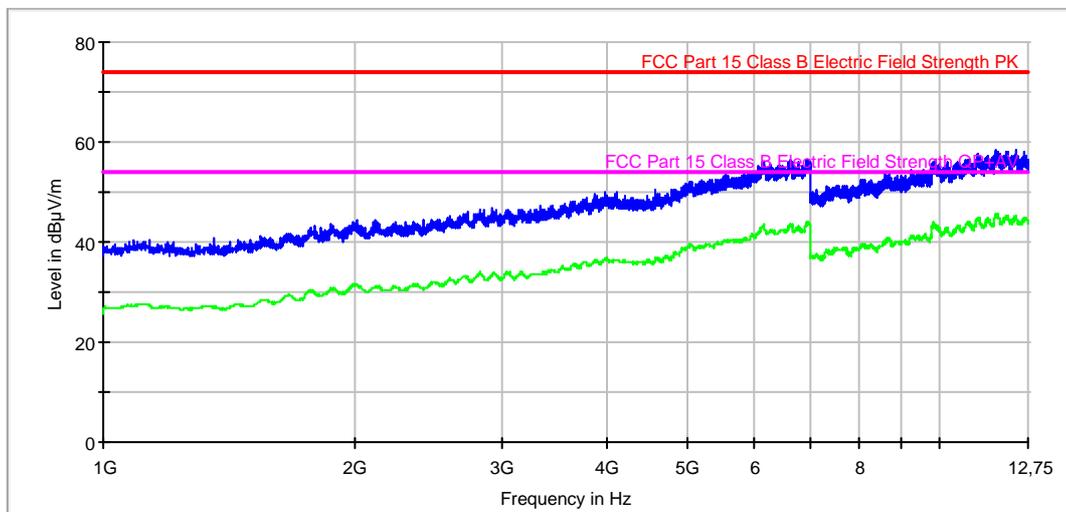
Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
1128.000000	40.7	27.5
1477.000000	40.7	27.3
1871.000000	43.9	30.6
1975.000000	44.2	31.0
2804.000000	47.2	33.6
3546.000000	47.8	35.0
3982.000000	49.9	36.7
5047.000000	53.1	39.7
6594.000000	57.5	42.9
6960.000000	57.0	44.1
9849.000000	56.7	43.8
12745.000000	61.3	48.7

Radiated Emission: CR0101_RA1_PV (1 – 12.75 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Vertical Polarization.

FCC 1-12.75GHz class B Horn245



— MaxPeak-ClearWrite — Average-ClearWrite
 — Limit PK — Limit QP+AVG

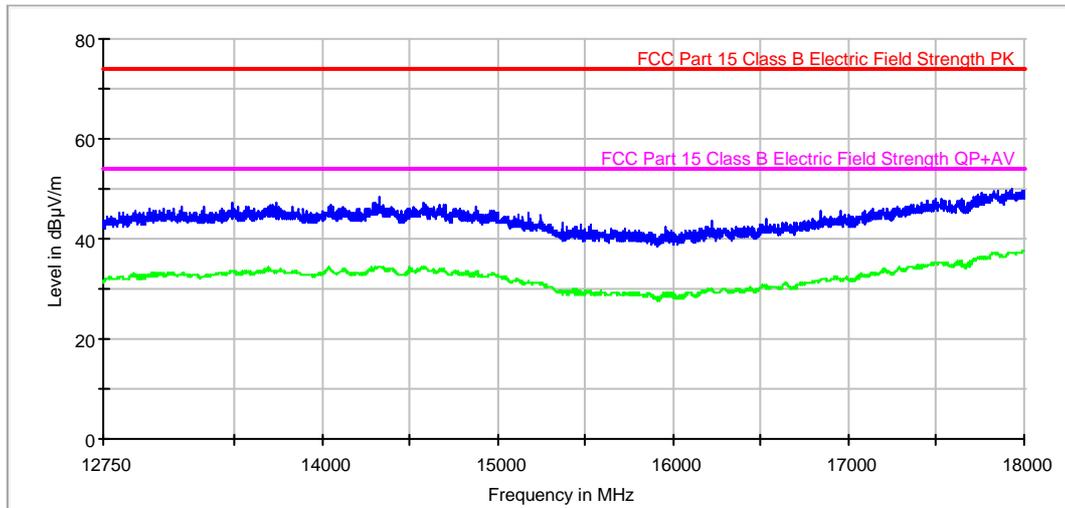
Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
1089.000000	40.6	27.4
1359.000000	40.8	27.0
1870.000000	43.6	30.5
2120.000000	44.4	31.1
2818.000000	46.4	33.8
3558.000000	47.5	34.9
4117.000000	50.2	36.4
5435.000000	52.5	39.5
6640.000000	56.3	43.5
6949.000000	56.5	43.9
9892.000000	56.3	43.0
11692.000000	58.5	45.5

Radiated Emission: CR0101_RA2_PH (12.75 – 18 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Horizontal Polarization.

FCC 12.75-18GHz class B Horn245



— MaxPeak-ClearWrite — Average-ClearWrite
 — Limit PK — Limit QP+AVG

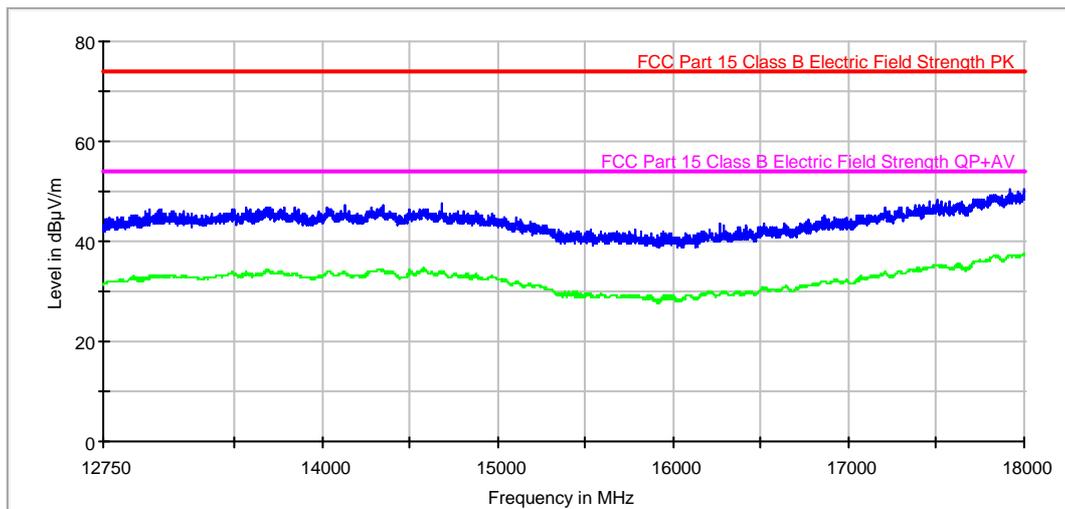
Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
13094.000000	45.9	33.0
13481.000000	47.2	33.7
13735.000000	47.1	33.5
14303.000000	47.0	34.2
14321.000000	48.2	34.6
14880.000000	46.4	33.5
15175.000000	45.2	31.4
15951.000000	42.5	29.1
16216.000000	43.7	29.8
16959.000000	45.6	31.8
17446.000000	47.7	35.0
17932.000000	50.0	37.2

Radiated Emission: CR0101_RA2_PV (12.75 – 18 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Vertical Polarization.

FCC 12.75-18GHz class B Horn245



— MaxPeak-ClearWrite — Average-ClearWrite
 — Limit PK — Limit QP+AVG

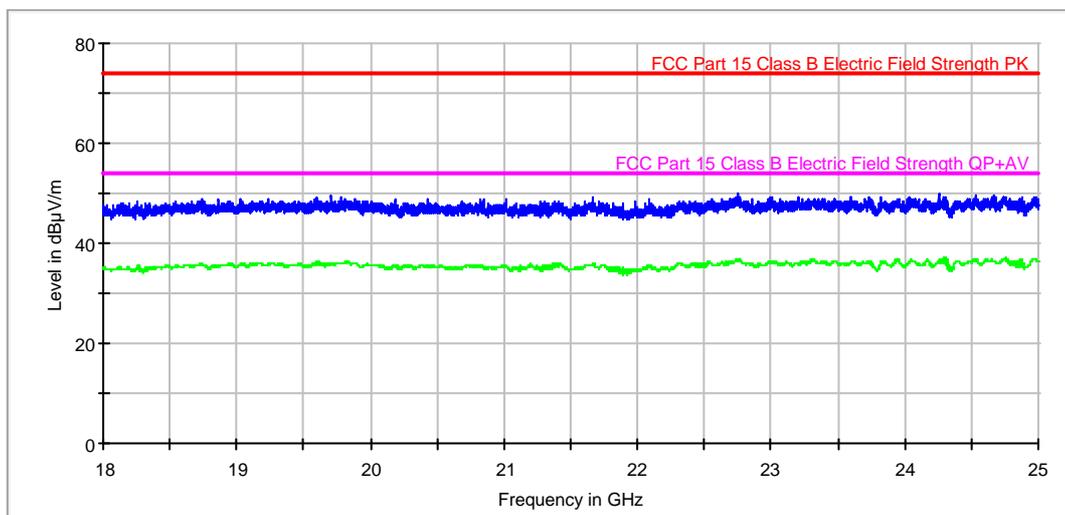
Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
13085.000000	46.4	33.1
13482.000000	46.6	33.7
13679.000000	47.0	34.0
14125.000000	47.1	33.9
14676.000000	47.4	33.9
14771.000000	46.0	33.2
15187.000000	44.0	31.2
15782.000000	42.4	29.0
16269.000000	43.7	29.5
16865.000000	45.1	31.9
17462.000000	47.9	34.7
17916.000000	50.3	37.2

Radiated Emission: CR0101_RA3_PH (18 – 25 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Horizontal Polarization.

FCC 18-25GHz class B Horn1920



— MaxPeak-ClearWrite — Average-ClearWrite
 — Limit PK — Limit QP+AVG

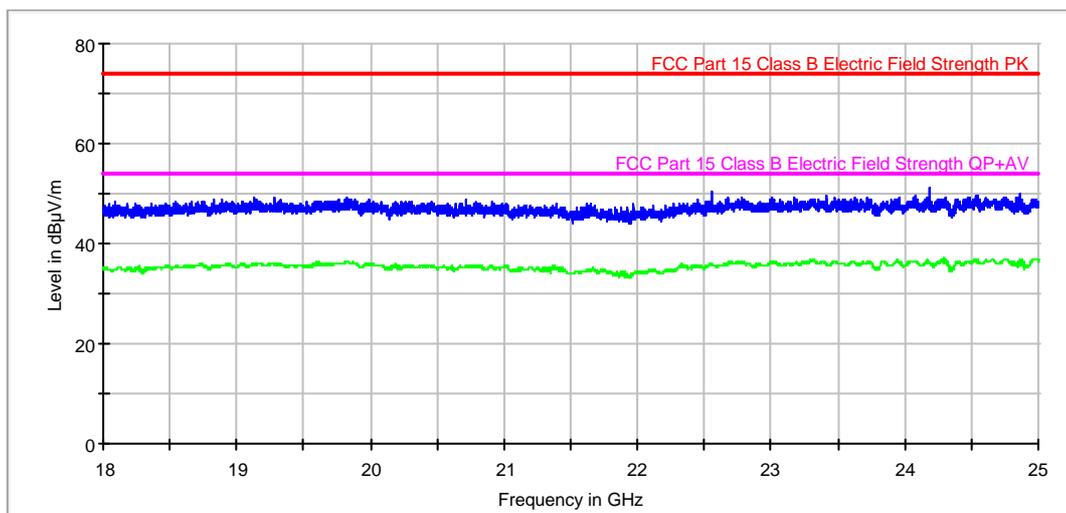
Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
18261.000000	48.3	35.3
18745.000000	49.0	35.7
19236.000000	49.0	35.7
19712.000000	49.6	35.9
20180.000000	48.9	35.7
20844.000000	48.7	35.4
21668.000000	49.3	35.8
22085.000000	48.9	35.2
22752.000000	50.0	36.7
23593.000000	49.3	36.0
24254.000000	49.9	36.3
24662.000000	49.4	36.5

Radiated Emission: CR0101_RA3_PV (18 – 25 GHz)

Project: 38067REM.001
 Company: INTEL CORPORATION
 Sample: S/01
 Operation mode: OM#01
 Setup: EMI radiated
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Vertical Polarization.

FCC 18-25GHz class B Horn1920



— MaxPeak-ClearWrite — Average-ClearWrite
 — Limit PK — Limit QP+AVG

Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Average-ClearWrite (dBµV/m)
18086.000000	48.4	34.8
18894.000000	48.7	35.7
19125.000000	49.2	35.9
19823.000000	49.2	36.4
20464.000000	48.5	35.5
20713.000000	48.6	35.4
21646.000000	48.2	34.8
22312.000000	48.1	35.6
22557.000000	50.2	35.9
23412.000000	49.5	36.2
24182.000000	51.0	36.4
24867.000000	50.0	36.8

CONTINUOUS CONDUCTED EMISSION ON POWER LEADS

LIMITS:	Product standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B & ICES-003 ISSUE 5
	Test standard :	FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B; ICES-003 ISSUE 5 & ANSI C63.10-2009

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 & ICES-003 ISSUE 5, in the frequency range 0,15 to 30 MHz, for Class B equipment was:

Frequency range (MHz)	Limit (dBuV)	
	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
TESTED OPERATION MODES:	OM#01; 02; 03 & 04
TEST RESULTS :	CCmmnnhh: CC, Conducted Condition; mm: Sample number; nn: Operation mode; hh: wire

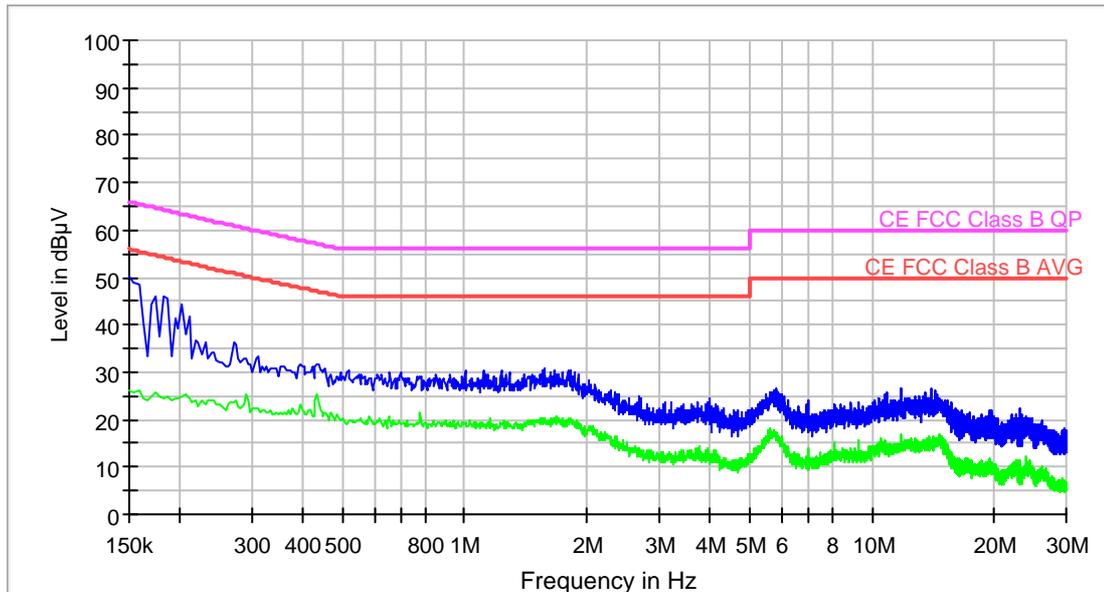
CCmmnnhh	Description	Result
CC01010N	Neutral wire noise	P
CC0101L1	Phase wire noise	P
CC01020N	Neutral wire noise	P
CC0102L1	Phase wire noise	P
CC01030N	Neutral wire noise	P
CC0103L1	Phase wire noise	P
CC01040N	Neutral wire noise	P
CC0104L1	Phase wire noise	P

Continuous Conducted emission : CC01010N

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#01
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Neutral noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

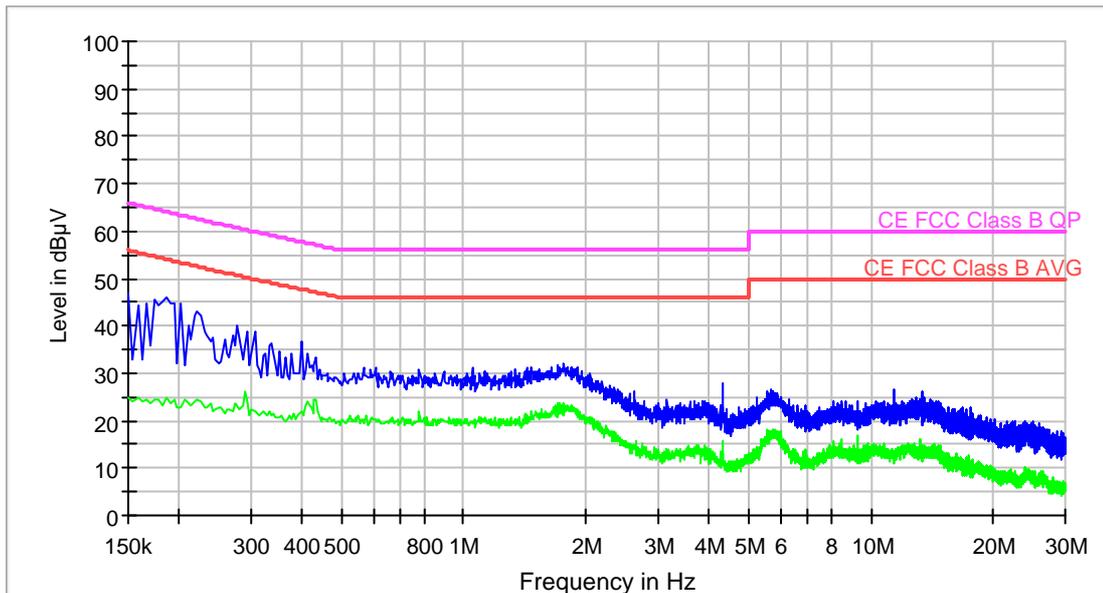
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.150000	50.4	26.0
0.270000	36.1	23.6
0.394000	31.8	23.1
0.654000	29.9	20.0
1.230000	30.4	18.8
1.566000	30.7	20.2
2.290000	26.3	16.2
3.994000	24.3	12.7
5.830000	26.7	17.2
11.814000	26.4	17.0
13.962000	26.7	14.7
22.962000	22.4	11.3

Continuous Conducted emission : CC0101L1

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#01
 Mode: EUT ON. WiFi and Bluetooth in IDLE mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Phase noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

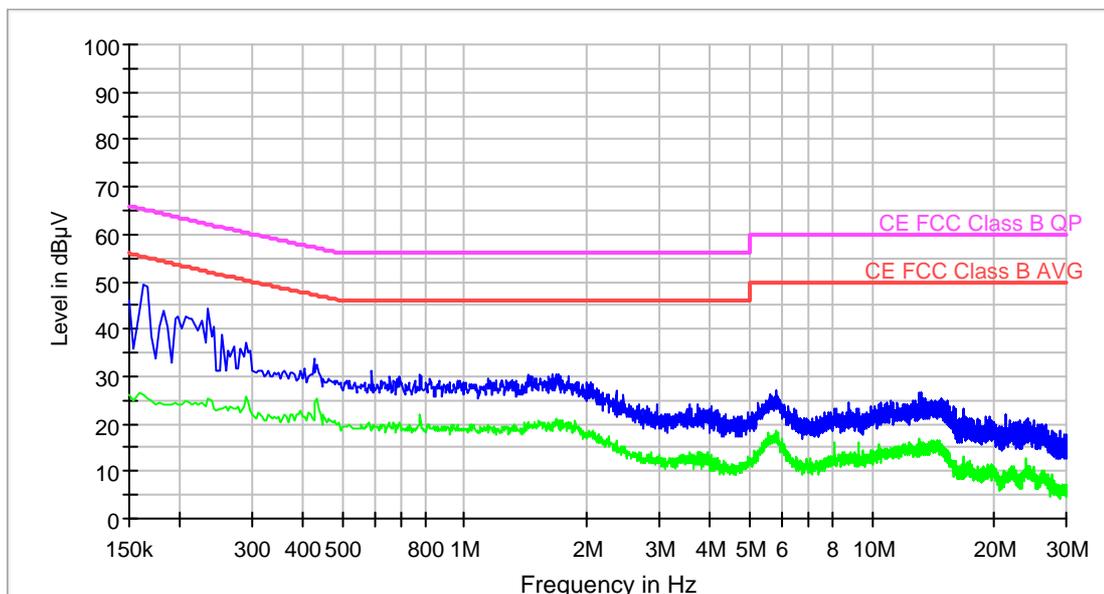
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.150000	46.7	25.0
0.278000	39.9	23.0
0.398000	36.6	22.0
0.606000	31.2	20.3
1.050000	31.1	19.7
1.766000	32.2	21.2
2.194000	28.4	17.5
4.326000	28.0	15.6
5.706000	26.5	17.2
11.398000	26.5	13.6
13.298000	26.0	14.1
19.342000	20.6	9.0

Continuous Conducted emission : CC01020N

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#02
 Mode: EUT ON. WiFi transmitting at 2.4GHz. Bluetooth in IDLE mode.
 Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
 Neutral noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

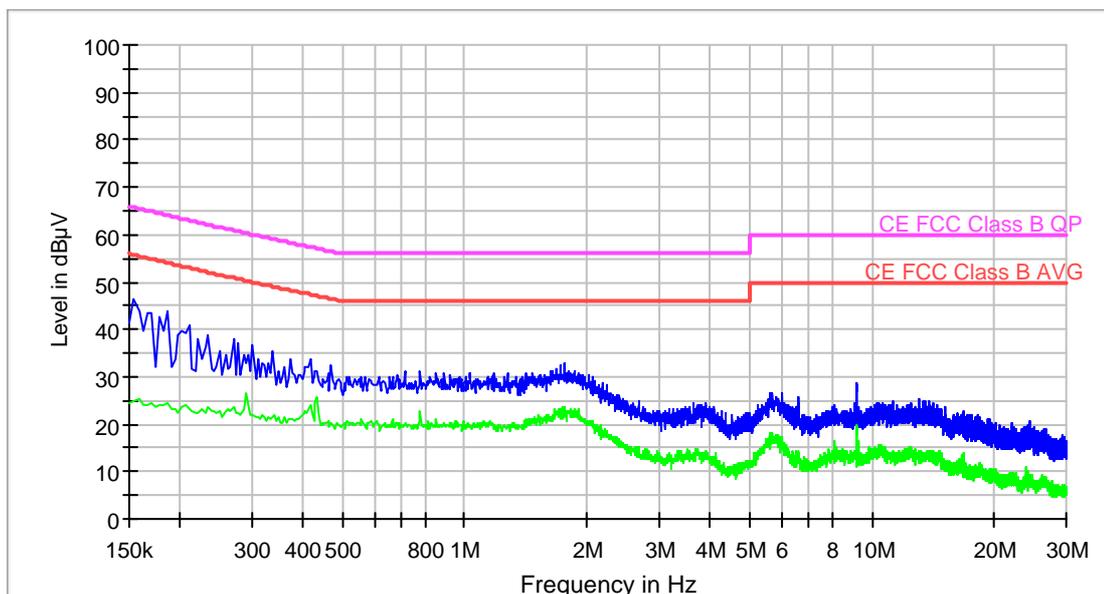
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.162000	49.4	26.1
0.234000	44.4	25.1
0.426000	33.8	20.8
0.590000	31.2	19.6
1.138000	29.6	18.3
1.426000	30.4	20.3
2.354000	27.1	16.4
3.550000	24.2	13.9
5.798000	26.9	17.9
11.126000	24.7	14.5
13.138000	26.6	16.2
21.314000	21.8	9.8

Continuous Conducted emission : CC0102L1

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#02
 Mode: EUT ON. WiFi transmitting at 2.4GHz. Bluetooth in IDLE mode.
 Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
 Phase noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
 — CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

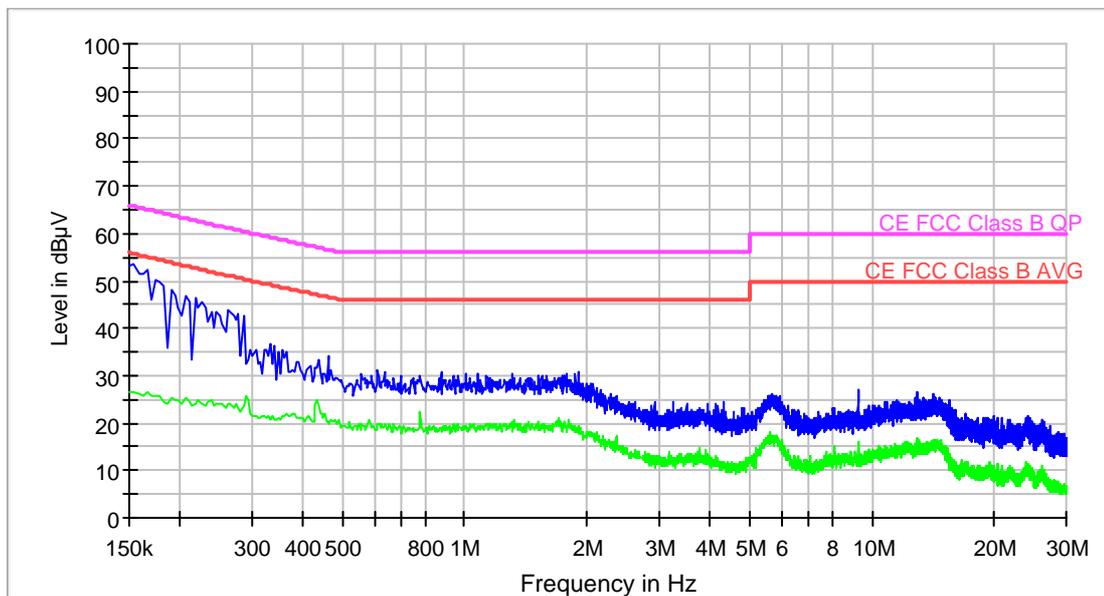
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.154000	46.4	24.7
0.234000	38.7	23.6
0.374000	33.9	20.9
0.778000	31.4	22.7
1.274000	30.9	19.4
1.758000	32.7	22.5
2.178000	28.7	18.4
3.898000	24.4	14.2
5.698000	26.7	17.3
9.194000	28.6	19.5
13.070000	25.4	13.7
19.422000	20.9	9.3

Continuous Conducted emission : CC01030N

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#03
 Mode: EUT ON. WiFi transmitting at 5GHz. Bluetooth in IDLE mode.
 Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
 Neutral wire noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

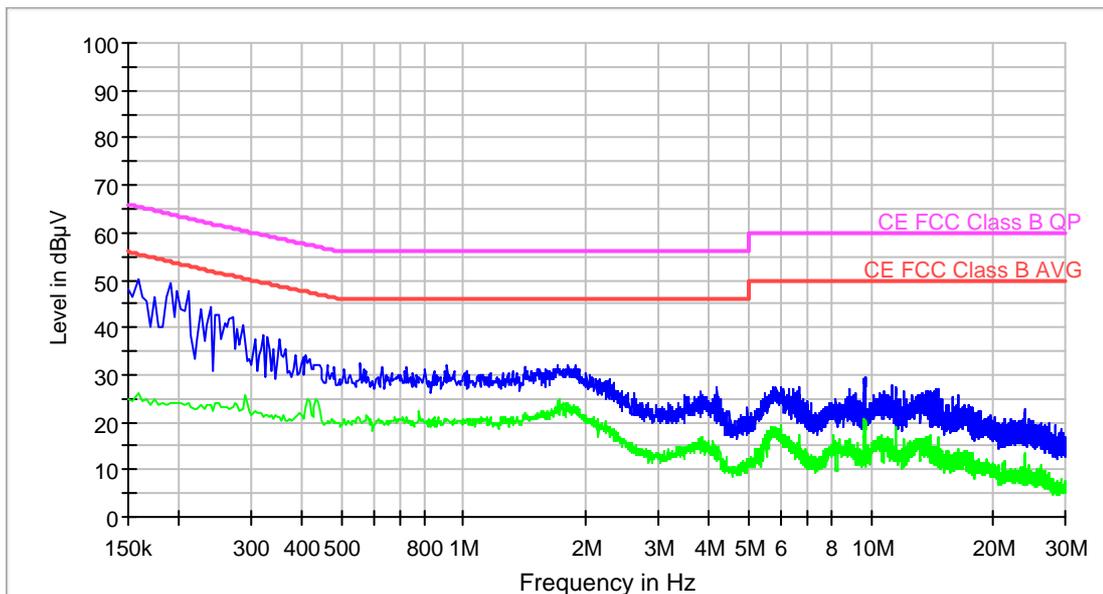
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.154000	53.6	26.4
0.262000	43.7	24.2
0.366000	35.2	21.8
0.610000	31.1	19.8
1.306000	30.3	19.3
1.902000	30.8	18.6
2.146000	27.2	16.2
4.314000	24.4	12.0
5.702000	26.1	16.5
9.230000	26.9	16.2
12.962000	26.4	15.1
24.134000	21.6	9.7

Continuous Conducted emission : CC0103L1

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#03
 Mode: EUT ON. WiFi transmitting at 5GHz. Bluetooth in IDLE mode.
 Auxiliary Laptop connected to power supply: 120Vac / 60Hz.
 Phase wire noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

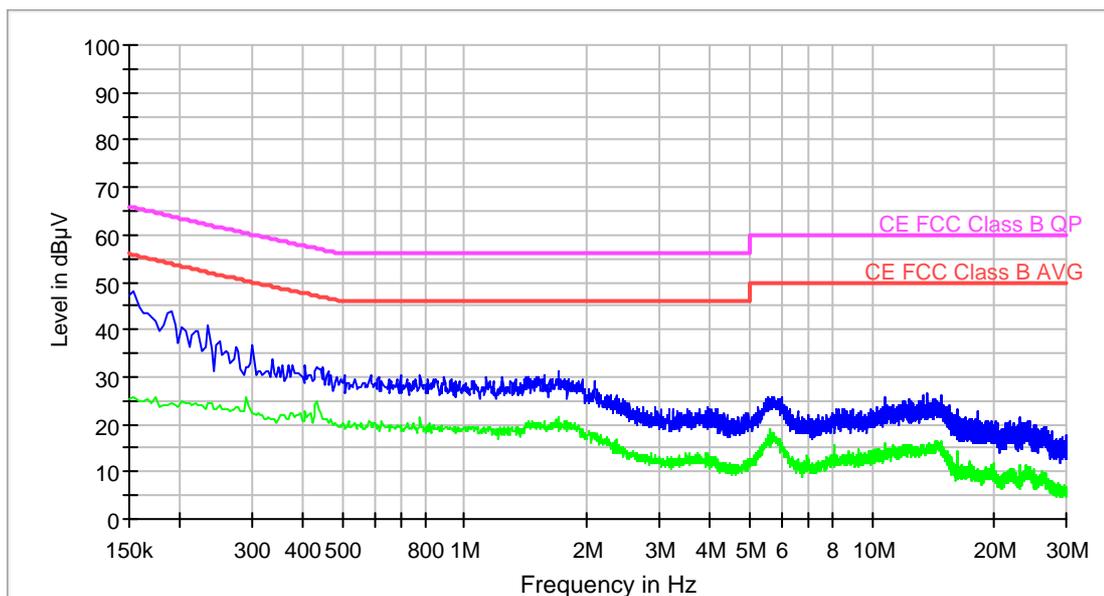
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.158000	50.1	26.0
0.238000	44.4	23.7
0.366000	35.2	20.4
0.726000	31.8	21.1
0.910000	32.2	20.6
1.874000	32.2	22.9
2.278000	29.1	19.0
4.178000	27.3	14.6
6.638000	27.5	17.4
9.658000	29.7	20.5
14.630000	27.2	16.4
23.850000	22.7	11.9

Continuous Conducted emission : CC01040N

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#04
 Mode: EUT ON. Bluetooth in transmission mode mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Neutral noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

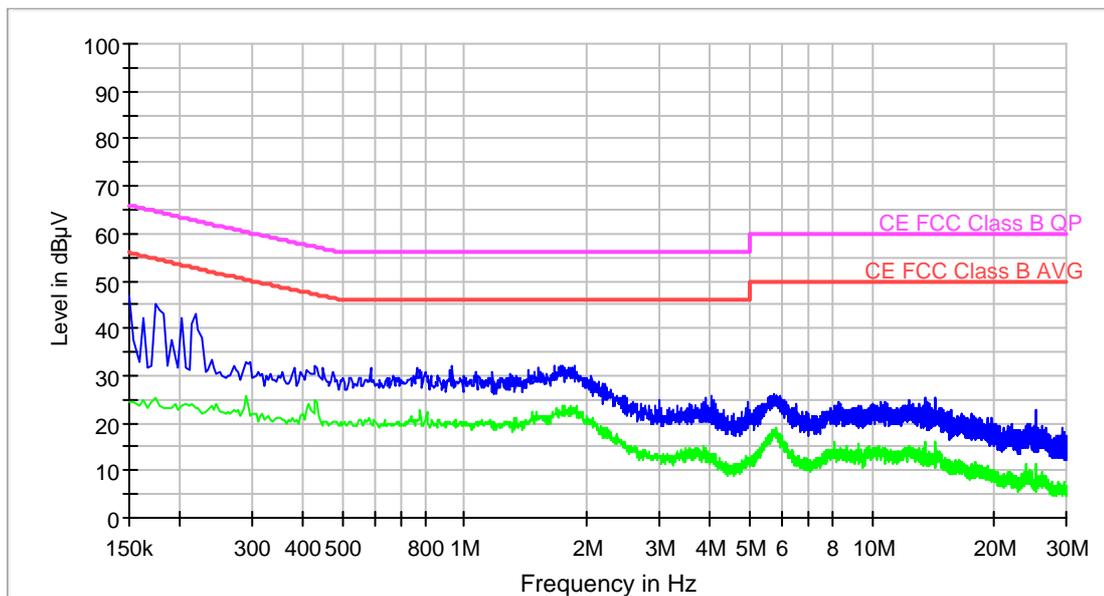
Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.154000	48.0	25.7
0.234000	41.0	24.6
0.406000	32.7	22.7
0.698000	30.5	19.7
0.890000	29.9	19.1
1.694000	31.1	21.4
2.130000	26.4	17.2
3.930000	23.6	13.6
5.730000	25.7	17.8
10.794000	25.7	14.6
13.706000	26.6	14.4
23.026000	21.5	11.1

Continuous Conducted emission : CC0104L1

Detector : Peak / Average / Cuasi-peak

Project: 38067REM.001
 Company: INTEL
 Sample: S/01
 Operation Mode: OM#04
 Mode: EUT ON. Bluetooth in transmission mode mode. Auxiliary Laptop connected to power supply: 120Vac / 60Hz. Phase noise.

EC FCC Class B ESPI CC



— MaxPeak-ClearWrite-PK+ — Average-ClearWrite-AVG
— CE FCC Class B AVG — CE FCC Class B QP

Max PK-AVG

Frequency (MHz)	MaxPeak-ClearWrite (dBµV)	Average-ClearWrite (dBµV)
0.150000	46.8	24.4
0.238000	33.5	23.8
0.430000	31.9	24.9
0.586000	31.8	19.9
0.930000	32.1	19.9
1.658000	32.0	22.1
2.130000	28.5	18.7
4.034000	25.6	13.4
5.770000	26.0	17.6
12.334000	24.8	15.1
14.318000	25.4	15.9
25.294000	22.6	11.2