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RADIO TEST REPORT FOR CERTIFICATION to

FCC PART 15 Subpart E (Section 15.407) & RSS-210 U-NII – WLAN (5.2 GHz, 5.3 GHz, 5.6 GHz)

Client: Fujitsu Australia Ltd
Test Sample: LIFEBOOK T series

Model: T725

FCC ID: EJE-WB0091 Industry Canada ID: 337J-WB0091

Radio Module: Intel Stonepeak 7265NGW (802.11 a/b/g/n/ac Wireless LAN + BT V 4.0)

FCC ID: PD97265NG IC ID: 1000M-7265NG

Report Number M141038a-3 (Supersedes report M141038-3)

Issue Date: 01 December 2014

EMC Technologies Pty Ltd reports apply only to the specific samples tested under stated test conditions. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. EMC Technologies Pty Ltd shall have no liability for any deductions, inferences or generalisations drawn by the client or others from EMC Technologies Pty Ltd issued reports. This report shall not be used to claim, constitute or imply product endorsement by EMC Technologies Pty Ltd.

RADIO TEST REPORT FOR CERTIFICATION to FCC PART 15 Subpart E (Section 15.407) & RSS-210

EMC Technologies Report No. M141038a-3

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RADIO TEST REPORT FOR CERTIFICATION to FCC PART 15 Subpart E (Section 15.407) & RSS-210

Report No. M141038a-3

Client: Fujitsu Australia Ltd **Test Sample:** LifeBook T Series

Model: T725

EJE-WB0091 FCC ID: **Industry Canada ID:** 337J-WB0091

Equipment Type: Intentional Radiator (Transceiver)

Intel Stonepeak 7265NGW (802.11 a/b/g/n/ac Wireless LAN + BT V 4.0) Radio Module:

> FCC ID: PD97265NG IC ID: 1000M-7265NG

Manufacturer (LifeBook): Fujitsu Ltd

Address: 1-1 Kamikodanaka 4-Chome, Nakahara-Ku, Kawasaki, Japan

Standards: FCC Part 15 – Radio Frequency Devices (October 2009)

Subpart E - Unlicensed National Information, Infrastructure Devices

Section 407 - General Technical Requirements

KDB 789033 D01 Guidelines for Compliance Testing of Unlicensed National

Information Infrastructure (U-NII) Devices Part 15, Subpart E (v01r04).

ANSI C63.4 - 2009 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment

in the Range of 9 kHz to 40 GHz

RSS-210 Issue 8 Low Power Licence-Exempt RadioCommunication Devices

Annex 9: Local Area Network Devices

RSS-102 Issue 1 (Provisional), Evaluation Procedure for Mobile and Portable Radio Transmitters with respect to Health Canada's Safety Code 6 for Exposure

of Humans to Radio Frequency Fields

31st October, 5th to 7th November and 13th November 2014 **Test Dates:**

Test Engineer: Matthew Grimwood

EMC Test Officer

Mahan Ghassempouri

M. Thasenper

EMC Test Officer

Attestation: I hereby certify that the device(s) described herein were tested as described in

this report and that the data included is that which was obtained during such

testing.

Authorised Signatory:

Rob Weir

Facility Manager, Melbourne EMC Technologies Pty Ltd

IC ID: EJE-WB009

RADIO TEST REPORT FOR CERTIFICATION to FCC PART 15 Subpart E (Section 15.407) & RSS-210

1.0 INTRODUCTION

EMI testing was performed on the Portable PC Fujitsu LifeBook T Series, Model: T725 incorporating an Intel Stonepeak 7265NGW (802.11 a/b/g/n/ac Wireless LAN + BT V 4.0), Model: 7265NGW radio module.

The 7265NGW module was originally certified by INTEL Corporation as a modular approval under FCC ID: PD97265NG (Canada ID: 1000M-7265NG).

The intention of this application is to FCC certify Intel Stonepeak 7265NGW (802.11 a/b/g/n/ac Wireless LAN + BT V 4.0), Model: 7265NGW installed in Portable PC Fujitsu LifeBook T Series, Model: T725.

Test results and procedures were performed in accordance with the following Federal Communications Commission (FCC) standards/regulations:

47 CFR, Part 15, Unlicensed National Information Infrastructure Devices (U-NII) operating Subpart E: in the 5.15-5.35 GHz, 5.47-5.725 GHz and 5.725-5.825 GHz frequency

bands

Section 15.203: Antenna requirements

Section 15.205: Restricted bands of operation

Section 15.209: Radiated Emission Limits (General requirements)

Section 15.407: General Technical Requirements

1.1 Summary of Results

FCC Subpart E, Section 15.407, Measured at EMC Technologies

FCC Part 15, Subpart E Clauses	Industry Canada RSS-210 Clauses	Test Performed	Result
15.203	5.5	Antenna Requirement	Complies
15.205	6.3	Operation in Restricted Band	Complies
15.209	6.3	Radiated Emissions	Complies
15.407 (b) (1) 15.407 (b) (2) 15.407 (b) (3) 15.407 (b) (6) 15.407 (b) (7)	A9.2 (1) A9.2 (2) A9.2 (3)	Undesirable Radiated Emission	Complies

FCC Subpart C, Section 15.407, Inspected in original module report

FCC Part 15, Subpart E Clauses	Industry Canada RSS-210 Clauses	Test Performed	Result
15.407 (a)(1) 15.407 (a)(2)	A9.2 (1) A9.2 (2) A9.2 (3)	Peak Transmit Power	Note 1
15.407 (a)(1) 15.407 (a)(2)	A9.2 (1) A9.2 (2) A9.2 (3)	Peak Power Spectral Density	Note 1
15.407 (b) (1) 15.407 (b) (2) 15.407 (b) (3) 15.407 (b) (6) 15.407 (b) (7)	A9.2 (1) A9.2 (2) A9.2 (3)	Radiated Band-edge emissions compliance (Transmitter)	Note 1
15.407 (a) (6) 15.407 (h) (2)	- A9.2 (2)	Peak Excursion Dynamic Frequency Selection	Note 1 Note 1
15.407 (n) (2)	A9.2 (3) A9.4(4)	Discontinue Transmission	Note 1

Note 1: Refer to the original module report from Intel.

1.2 Modifications by EMC Technologies

No modifications were required.

2.0 GENERAL INFORMATION

(Information supplied by the Client)

2.1 EUT (WLAN) Details

Transmitter: Mini PCIe Wireless LAN Card

Wireless Module: Intel Stonepeak 7265NGW (11abgn/ac Wireless LAN + BT V 4.0)

Model Number: 7265NGW
Manufacturer: Intel Corporation
Frequency Ranges: 5.15-5.25 GHz

5.25-5.35 GHz 5.47-5.725 GHz

Antenna Types: Nissei Inverted F PIFA Antenna Antenna gain: 2.29 dBi max (less than 6 dBi)

Refer antenna data provided separately

Channels and Output Power Settings:

The following power settings were taken from documentation supplied from client.

5 GHz (802.11a)

Mode	Channe	Frequency (MHz)	Data Rate (Mbps)	Tx BW (MHz)		ge Power et (dBm)
		(12)	(IIIDPO)	(2)	Ch A	Ch B
	5.	2 GHz				
	36	5180	1		12.5	12.5
	40	5200				
	44	5220	1		13.5	13.5
	48	5240				
	5.	3 GHz				
	52	5260				
	56	5280			13.5	13.5
	60	5300				
	64	5320			12.0	12.0
802.11a	5.	6 GHz	6			
	100	5500		-	12.0	12.0
	104	5520	1			
	108	5540	1			
	112	5560	1			
	116	5580				
	120	5600			13.5	13.5
	124	5620]			
	128	5640]			
	132	5660]			
	136	5680]			
	140	5700			11.5	11.5

5 GHz (802.11n)

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tx BW (MHz)		e Power (dBm)
					Ch A	Ch B
	5.2	GHz				
	36	5180			12.5	12.5
	40	5200				
	44	5220			13.5	13.5
	48	5240				
	5.3 GHz					
	52	5260				
	56	5280			13.5	13.5
-	60	5300				
	64	5320			12.0	12.0
802.11n	5.6	5.6 GHz		20		
002.1111	100	5500	HT0	20	12.0	12.0
	104	5520				
	108	5540				
	112	5560				
	116	5580				
	120	5600			13.5	13.5
	124	5620				
	128	5640				
	132	5660				
	136	5680				
Ì	140	5700			11.5	11.5

5 GHz (802.11n)

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tx BW (MHz)	-	ge Power et (dBm)
					Ch A	Ch B
	5.2	GHz				
	38	5190			10.5	12.0
	46	5230			13.5	13.5
	5.3	GHz				
	54	5270	HT0	40	13.5	13.5
802.11n	62	5310			12.0	12.0
002.1111	5.6	GHz	1110	40		
	102	5510			12.0	12.5
	110	5550				
	118	5590			13.5	13.5
	126	5630				
	134	5670			13.5	13.5

5 GHz (802.11ac)

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tx BW (MHz)	Average Power Target (dBm)	
					Ch A	Ch B
	5.2	GHz				
	42	5210			12.0	12.0
	5.3	GHz				
802.11ac	58	5290	HT0	80	12.0	12.0
	5.6	GHz				
	106	5530			12.0	12.0
	122	5610		Ì	13.5	13.5
	138	5690			13.5	13.5

The 7265NGW is capable of feeding two antennas simultaneously, in this configuration the power level is lower for each antenna port than if a single antenna was used.

2.2 EUT (Notebook PC) Details

NoteBook PC: Portable PC LifeBook T series

*Model Name: T725

Serial Number: Pre-production Sample
Manufacturer: FUJITSU LIMITED

CPU Type and Speed: Core i7 2.6GHz

LCD 12.5"HD+(1366x768) : LP125WH2

Wired LAN: Intel 218LM: 10 Base-T/100 Base-TX/1000Base-T

Modem: Non

Port Replicator Model: FPCPR213

AC Adapter Model: ADP-65YH B

 Voltage out:
 19 V

 Current out:
 3.42A

 Watts:
 65W

2.3 Test Configuration

The Intel WLAN test software "DRTU" was used to control the transmitter module enabling it to transmit continuously and with selected channels, modulation and data rates.

Radiated harmonics and spurious emission measurements were performed while the radio module transmitted a modulated signal continuously.

2.4 Test Facility

2.4.1 General

EMC Technologies Pty Ltd is listed by the FCC as a test laboratory able to perform compliance testing for the public. EMC Technologies is listed as an FCC part 47CFR2.948 test lab and may perform the testing required under Parts 15 and 18 – FCC Registration Number 90560

EMC Technologies Pty Ltd has also been accredited as a Conformity Assessment Body (CAB) by Australian Communications and Media Authority (ACMA) under the APECTEL MRA and is designated to perform compliance testing on equipment subject to Declaration of Conformity (DoC) and Certification under Parts 15 & 18 of the FCC Commission's rules – **Registration Number 494713 & Designation number AU0001.**

EMC Technologies has also been accepted by Industry Canada for the performance of radiated measurements in accordance with RSS 212, Issue 1 (Provisional) - **Industry Canada number 3569B.**

Measurements were performed at EMC Technologies' laboratory in Keilor Park, Victoria Australia.

2.4.2 NATA Accreditation

EMC Technologies is accredited in Australia to test to the following standards by the National Association of Testing Authorities (NATA).

"FCC Part 15 unintentional and intentional emitters in the frequency range 9kHz to 18 GHz excluding TV receivers (15.117 and 15.119), TV interface devices (15.115), cable ready consumer electronic equipment (15.118), cable locating equipment (15.213) and unlicensed national information infrastructure devices (Sub part E)."

The current full scope of accreditation can be found on the NATA website: www.nata.asn.au It also includes a large number of emissions, immunity, SAR, EMR and Safety standards.

NATA is the Australian national laboratory accreditation body and has accredited EMC Technologies to operate to the IEC/ISO17025 requirements. A major requirement for accreditation is the assessment of the company and its personnel as being technically competent in testing to the standards. This requires fully documented test procedures, continued calibration of all equipment to the National Standard at the National Measurements Institute (NMI) and an internal quality system to ISO 9002. NATA has mutual recognition agreements with the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Association for Laboratory Accreditation (A²LA).

2.5 Test Equipment Calibration

Measurement instrumentation and transducers were calibrated in accordance with the applicable standards by an independent NATA registered laboratory such as Agilent Technologies (Australia) Pty Ltd or the National Measurement Institute (NMI). All equipment calibration is traceable to Australia national standards at the National Measurements Institute. The reference antenna calibration was performed by NMI and the working antennas ((bi-log and horn) calibrated by EMC Technologies. The complete list of test equipment used for the measurements, including calibration dates and traceability is contained in Appendix A

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FCC 15.407 (U-NII) RESULTS

3.0 RADIATED EMISSION MEASUREMENTS

3.1 Test Procedure

Testing was performed in accordance with the requirements of FCC Part 15.407(b). The measurement procedure used was in accordance with ANSI C63.4-2009. The instrumentation conformed to the requirements of ANSI C63.2-2009.

Radiated emission measurements were performed to the limits as per section 15.209 and 15.407. Measurement below 1 GHz were performed at the distance of 10 metres. All measurements above 1 GHz were made over a distance of 3 and 1 metres.

Calibrated EMCO 3115, EMCO 3116 and ETS standard gain horn antennas were used for measurements above 1000 MHz. A calibrated Bi-Log antenna was used for measurements below 1000 MHz.

The measurement of emissions above 1000 MHz was measured using a following setting: Quasi-Peak measurements setting: RBW = 120 kHz and VBW = 300 kHz

The measurement of emissions above 1000 MHz was measured using a following setting:

Peak measurements setting: RBW = VBW = 1 MHz Average measurements setting: RBW = 1 MHz and VBW = 10 Hz

The receiver bandwidth was set to 6 dB.

The EUT was slowly rotated with the Peak Detector set to Max-Hold. This was performed for two antenna heights. When an emission was located, it was positively identified and its maximum level found by rotating the automated turntable and by varying the antenna height. The procedure was repeated with the device orientated in three orthogonal axis to further maximise the emission. In this instance the device antennas are located in the swivel display, this was adjusted to give maximum emissions.

Each significant peak was investigated with the Peak/Average Detectors. The measurement data for each frequency range was corrected for cable losses, antenna factors and preamplifier gain. This process was performed for both horizontal and vertical antenna polarisations.

3.2 Calculation of field strength

The field strength was calculated automatically by the software using all the pre-stored calibration data. The method of calculation is shown below:

$$E = V + AF - G + L$$

Where:

E = Radiated Field Strength in $dB\mu V/m$.

V = EMI Receiver Voltage in dBμV. (measured value)

AF = Antenna Factor in dB(m⁻¹) (stored as a data array of factor versus frequency)
 G = Preamplifier Gain in dB.(stored as a data array of gain versus frequency)

L = Cable insertion loss in dB (stored as a data array of insertion loss versus frequency)

Example Field Strength Calculation

Assuming a receiver reading of 34.0 dB μ V is obtained at 90 MHz, the Antenna Factor at that frequency is 9.2 dB. The cable loss is 1.9 dB while the preamplifier gain is 20.0 dB. The resulting Field Strength is therefore as follows:

34.0 + 9.2 + 1.9 - 20.0 = 25.1 dB
$$\mu$$
V/m

3.3 Results

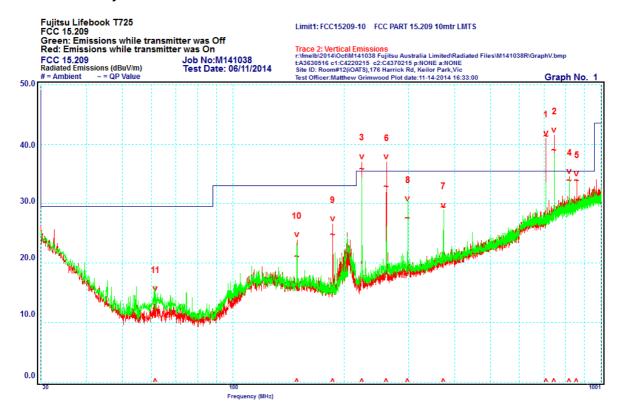
This transmitter module was originally tested and certified by the manufacturer as a stand-alone module outside a laptop (host) with higher gain antennas. Refer to manufacturer's original test report (FCC 15E) for full results showing compliance with the spurious and harmonics limits.

However, to ensure the transmitter module installed in the T725 LifeBook is still in compliance, verification tests were performed. Final testing was performed while the transmitter continuously operated in the worst case condition and only those are reported.

3.3.1 Frequency Band: 30 - 1000 MHz

The measurements were made at a distance of 10 metres. Each frequency band and modulation types were checked, the highest emissions are reported.

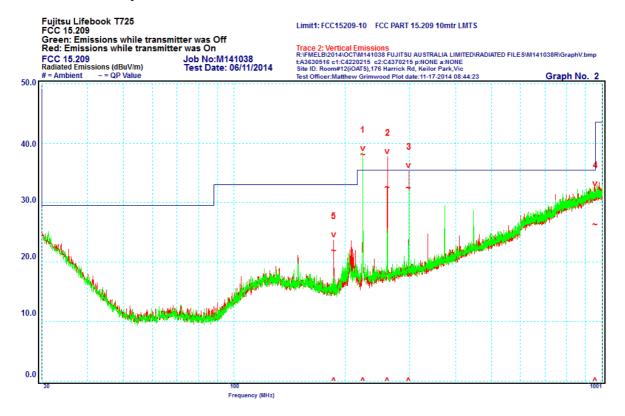
Vertically Polarised Emissions



Peak	Frequency MHz	Polarization	Quasi Peak dBμV/m	Quasi Peak Limit dBμV/m	Margin dB	Result
1	708.70	Vertical	41.3	35.5	5.8	Note1
2	746.00	Vertical	39.0	35.5	3.5	Note1
3	223.81	Vertical	35.7	35.5	0.2	Note1
4	820.58	Vertical	33.8	35.5	-1.7	Note1
5	857.90	Vertical	33.8	35.5	-1.7	Complied
6	261.10	Vertical	32.8	35.5	-2.7	Note1
7	373.00	Vertical	29.3	35.5	-6.2	Note1
8	298.40	Vertical	27.4	35.5	-8.1	Note1
9	186.48	Vertical	24.8	33.0	-8.2	Complied
10	149.21	Vertical	21.0	33.0	-12.0	Note1
11	61.44	Vertical	12.4	29.5	-17.1	Note1

Note1: ambient measurements with transmitter off were recorded (green trace) to verify emission source was not the radio module.

Horizontally Polarised Emissions



Peak	Frequency MHz	Polarization	Quasi Peak dBμV/m	Quasi Peak Limit dBμV/m	Margin dB	Result
1	223.81	Horizontal	38.0	35.5	2.5	Note1
2	261.11	Horizontal	32.5	35.5	-3.0	Note1
3	298.40	Horizontal	32.4	35.5	-3.1	Note1
4	959.53	Horizontal	26.2	35.5	-9.3	Note1
5	186.50	Horizontal	21.8	33.0	-11.2	Complied

Note1: ambient measurements with transmitter off were recorded (green trace) to verify emission source was not the radio module.

3.3.2 Frequency Band: 1 - 40 GHz

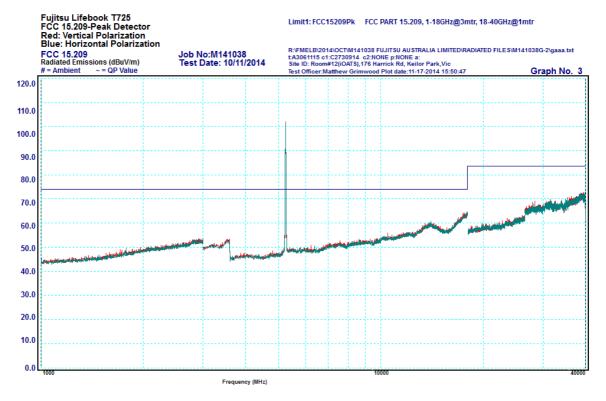
The limits for emissions falling in the restricted band measured using peak and average detector are 74 dB μ V/m and 54 dB μ V/m, respectively (measured at 3m distance). For convenience these limits were applied across the entire range.

Measurements were performed with the EUT operating in the worst case mode of single antenna transmitting. For multiple antennas transmitting the power level is lower with respect to single antenna mode.

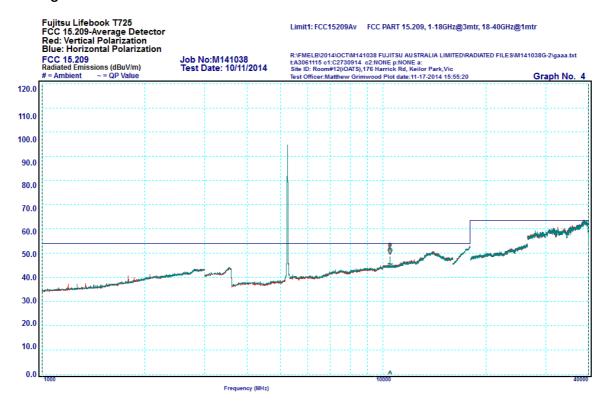
Harmonics and spurious emissions were measured for channels where the RF output power was highest. Only the highest emission configurations are reported.

3.3.2.1 5.2 GHz Band with 20MHz Signal Bandwidth

Peak emissions 1 GHz to 40 GHz



Average emissions 1 GHz to 40 GHz

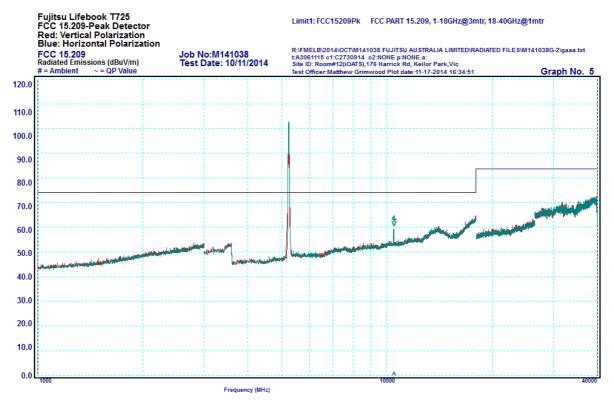


Peak	Frequency MHz	Polarization	Average dBμV/m	Average Limit dBμV/m	Margin dB	Result
1	10480.56	Vertical	45.3	54.0	-8.7	Complied
2	10481.43	Horizontal	45.3	54.0	-8.7	complied

Note: Intentional transmitter emission was excluded from measurement

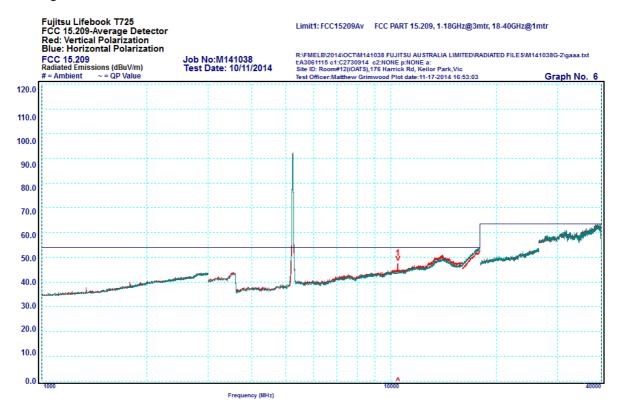
3.3.2.2 5.2 GHz Band with 40MHz Signal Bandwidth

Peak emissions 1 GHz to 40 GHz



Peak	Frequency MHz	Polarization	Peak dBμV/m	Peak Limit dBμV/m	Margin dB	Result
1	10478.31	Horizontal	63.0	74.0	-11.0	Complied

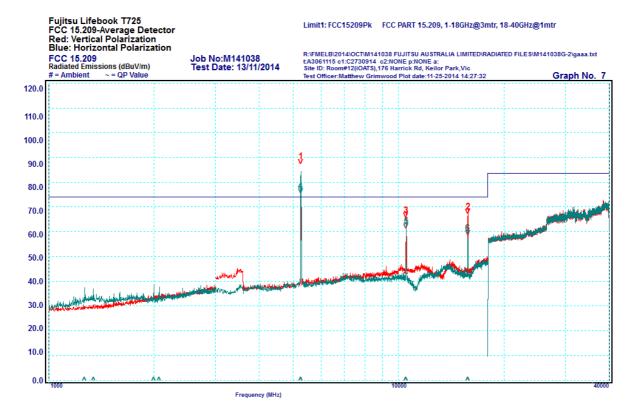
Average emissions 1 GHz to 40 GHz



Peak	Frequency MHz	Polarization	Average dBμV/m	Average Limit dBμV/m	Margin dB	Result
1	10474.94	Vertical	44.0	54.0	-10.0	Complied

3.3.2.3 5.3 GHz Band with 20MHz Signal Bandwidth

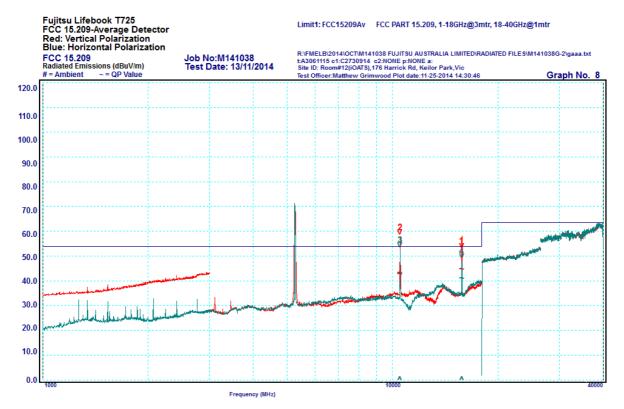
Peak emissions 1 GHz - 40 GHz



Peak	Frequency MHz	Polarization	Peak dBμV/m	Peak Limit dBμV/m	Margin dB	Result
1	5259.07	Vertical	86.4	74	12.4	Note
2	15781.48	Vertical	66.2	74	-7.8	Complied
3	10513.98	Vertical	64.7	74	-9.3	Complied
4	5252.08	Horizontal	74.4	74	0.4	Note
5	10511.3	Horizontal	60.2	74	-13.8	Complied
6	15764.66	Horizontal	57.6	74	-16.4	Complied

Note: Intentional transmitter emission was excluded from measurement

Average emissions 1 GHz - 40 GHz



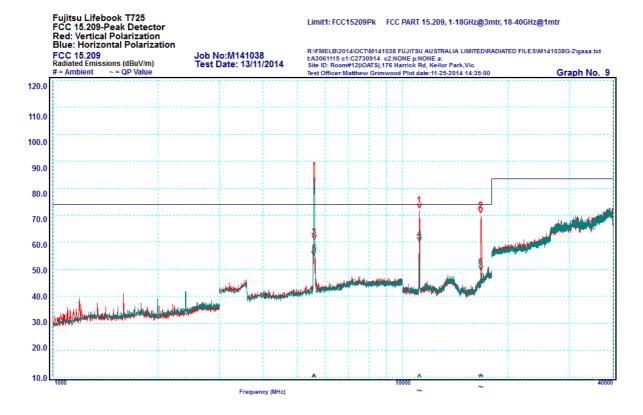
Peak	Frequency MHz	Polarization	Average dBμV/m	Average Limit dBμV/m	Margin dB	Result
1	15777.54	Vertical	44.5	54	-9.5	Complied
2	10513.83	Vertical	43.0	54	-11.0	Complied
3	10508.48	Horizontal	42.5	54	-11.5	Complied
4	15777.22	Horizontal	41.0	54	-13.0	Complied

Note: intentional transmitter emissions were exempt from the limit.

Note: 10 dB attenuation was used during vertical emissions, 1000 MHz to 3000 MHz range resulting in a higher noise floor.

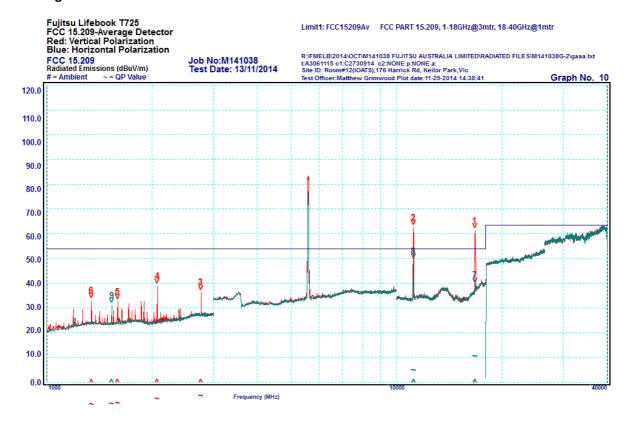
3.3.2.4 5.6 GHz Band with 20MHz Signal Bandwidth

Peak emissions 1 GHz - 40 GHz



Peak	Frequency MHz	Polarization	Peak dBμV/m	Peak Limit dBμV/m	Margin dB	Result
1	11174.45	Vertical	71.6	74.0	-2.4	Complied
2	16752.3	Vertical	69.7	74.0	-4.3	Complied
3	5594.79	Vertical				Note1
4	11172.71	Horizontal	59.1	74.0	-14.9	Complied
5	5587.79	Horizontal				Note1
6	16753.78	Horizontal	48.6	74.0	-25.4	Complied

Average emissions 1 GHz - 40 GHz



Peak	Frequency MHz	Polarization	Average dBμV/m	Average Limit dBμV/m	Margin dB	Result
1	16754.78	Vertical	51.3	54.0	-2.7	Complied
2	11177.26	Vertical	52.5	54.0	-1.5	Complied
3	2760.17	Vertical	36.3	54.0	-17.7	Complied
4	2069.99	Vertical	38.8	54.0	-15.2	Complied
5	1594.30	Vertical	32.5	54.0	-21.5	Complied
6	1342.83	Vertical	32.9	54.0	-21.1	Complied
7	16755.99	Horizontal	29.3	54.0	-24.7	Complied
8	11177.16	Horizontal	39.8	54.0	-14.2	Complied
9	1535.57	Horizontal	31.0	54.0	-23.0	Complied

4.0 PEAK TRANSMIT POWER

Refer to original Intel module test report (submitted). Testing was performed by AT4 Wireless, S.A. with FCC registration number 720267 and Canadian Certification reference number IC 4621A-1. Report 41273RRF.003.

It was not deemed likely that the host equipment will cause the output power to exceed the limits specified for the different bands.

5.0 PEAK POWER SPECTRAL DENSITY

Refer to original Intel module test report (submitted). Testing was performed by AT4 Wireless, S.A. with FCC registration number 720267 and Canadian Certification reference number IC 4621A-1. Report 41273RRF.003.

It was not deemed likely that the host equipment will cause the power spectral density to exceed the limits specified for the different bands.

6.0 RADIATED BAND-EDGE EMISSIONS

Refer to original Intel module test report (submitted). Testing was performed by AT4 Wireless, S.A. with FCC registration number 720267 and Canadian Certification reference number IC 4621A-1. Report 41273RRF.003.

7.0 PEAK EXCURSION

Refer to original Intel module test report (submitted). Testing was performed by AT4 Wireless, S.A. with FCC registration number 720267 and Canadian Certification reference number IC 4621A-1. Report 41273RRF.003.

8.0 DYNAMIC FREQUENCY STABILITY

Refer to original Intel module test report (submitted). Testing was performed by AT4 Wireless, S.A. with FCC registration number 720267 and Canadian Certification reference number IC 4621A-1. Report 41273RRF.003.

9.0 DISCONTINUE TRANSMISSION

Data Transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, finally to the RF chip. Several special packets (ACKs, CTS, PSPoll, etc) are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which then turns off at the end of the packet. Therefore, the transmitter will be ON only while one of the four mentioned packets is being transmitted.

10.0 RADIO FREQUENCY EXPOSURE (HAZARD) INFORMATION

Testing was performed in accordance with the requirements of FCC Part 15.407(f)

Spread spectrum transmitters operating in the 5.15-5.25 GHz, 5.25-5.35 GHz and 5.47-5.725 GHz bands are required to be operated in a manner that ensures that the public is not exposed to RF energy levels in accordance with CFR 47, Section 1.1307(b)(1).

In accordance with this section and also section 2.1093 this device has been defined as a portable device.

SAR testing was reported under EMC Technologies reports M130809_FCC_7260HMW_SAR_5.6 (5.18 – 5.825 GHz). A SAR value of 0.398 mW/g (5GHz) was measured which complied with the FCC human exposure requirements of 47 CFR 2.1093 (d).

11.0 ANTENNA REQUIREMENT

This intentional radiator was designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.0 COMPLIANCE STATEMENT

The Portable PC Fujitsu LifeBook T Series, Model: T725 with Intel Stonepeak 7265NGW (802.11 a/b/g/n/ac Wireless LAN + BT V 4.0), Model: 7265NGW, **complied** with the requirements of 47 CFR, Part 15 Subpart E -Section 15.407 (5.15-5.25 GHz, 5.25-5.35 GHz and 5.47-5.725 GHz bands).

The test sample also complied with the Industry Canada RSS-210 issue 8 - Low Power Licence-Exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment, Annex 9 Local Area Network Devices requirements and the RF exposure requirements of RSS-102.

13.0 MEASUREMENT UNCERTAINTY

EMC Technologies has evaluated the equipment and the methods used to perform the emissions testing. The estimated measurement uncertainties for emissions tests shown within this report are as follows:

Conducted Emissions:	9 kHz to 30 MHz	±3.2 dB
Radiated Emissions:	30 MHz to 300 MHz 300 MHz to 1000 MHz 1 GHz to 18 GHz	±5.1 dB ±4.7 dB ±4.6 dB

The above expanded uncertainties are based on standard uncertainties multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

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APPENDIX A MEASUREMENT INSTRUMENTATION DETAILS

Equipment Type	Make/Model/Serial Number	Last Cal. dd/mm/yy	Due Date dd/mm/yy	Cal. Interval
EMI Receiver	R&S ESU40 20 Hz – 40 GHz Sn: 100392 (R-140)	09/10/2014	09/10/2015	1 Year, *2
Antennas	SUNOL JB6 BICONILOG 30 – 6000 MHz Sn. A012312 (A-363)	16/05/2014	16/05/2015	1 Year, *2
	EMCO 3115 Broadband Horn 1 – 18 GHz Sn. 8908-3282 (A-004)	16/01/2012	16/01/2015	3 Year, *1
	ETS-Lindgren Horn 3160-09 18-26.5 GHz Sn. 66032 (A-307)	12/11/2012	12/11/2015	3 Year, *1
	ETS-Lindgren Horn 3160-10 26.5-40 GHz Sn. 66032 (A-306)	12/11/2012	12/11/2015	3 Year, *1
Cables	Room 12 Inbuilt cable Panel 1 to 3m	4/02/2014	4/02/2015	1 Year, *1
	(C-421) Room 12 Inbuilt cable Panel 1 to 10m (C-422)	6/02/2014	6/02/2015	1 Year, *1
	Sucoflex 102 Huber & Suhner Sn. 27319/2 (C-273)	26/06/2014	26/06/2015	1 Year, *1
Pre-Amplifier	Electronic Development SG18-B3015 1 – 18 GHz Sn. 1 (A-288)	27/02/2014	27/02/2015	1 Year, *1

Note *1. Internal NATA calibration.

Note *2. External NATA / A2LA calibration