



RADIO TEST REPORT

Test Report No. : 11922902S-B-R2

Applicant : PIONEER CORPORATION
Type of Equipment : MULTIMEDIA NAVIGATION RECEIVER
Model No. : AVIC-W8400NEX
FCC ID : AJDK103
Test regulation : FCC Part 15 Subpart C: 2017
(*Wireless LAN part)
Test items : Other than radiated emission tests
Test Result : Complied

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2. The results in this report apply only to the sample tested.
3. This sample tested is in compliance with the above regulation.
4. The test results in this report are traceable to the national or international standards.
5. The opinions and the interpretations to the result of the description in this report are outside scopes where UL Japan has been accredited.
6. This test report covers Radio technical requirements. It does not cover administrative issues such as Manual or non-Radio test related Requirements. (if applicable)
7. This report is a revised version of 11922902S-B-R1. 11922902S-B-R1 is replaced with this report.

Date of test: September 4, 2017

Representative test engineer:

M. Hosaka

Makoto Hosaka
Engineer

Consumer Technology Division

Approved by:

A. Hayashi

Akio Hayashi
Leader

Consumer Technology Division



- The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan.
 There is no testing item of "Non-accreditation".

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SECTION 1: Customer information

Company Name : PIONEER CORPORATION
Address : 25-1, Yamada, Kawagoe-shi, Saitama, 350-8555, Japan
Telephone Number : +81-49-228-7787
Facsimile Number : +81-49-228-6493
Contact Person : Hiroshi Fuse

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment : MULTIMEDIA NAVIGATION RECEIVER
Model No. : AVIC-W8400NEX
Serial No. : Refer to Section 4, Clause 4.2
Rating : DC 14.4 V
Receipt Date of Sample : August 23, 2017
Country of Mass-production : Thailand
Condition of EUT : Production prototype
(Not for Sale: This sample is equivalent to mass-produced items.)
Modification of EUT : No Modification by the test lab

2.2 Product Description

General Specification

Model: AVIC-W8400NEX (referred to as the EUT in this report) is a MULTIMEDIA NAVIGATION RECEIVER.

Clock frequency(ies) in the system : Bluetooth Wi-Fi module: 37.4 MHz
LPO clock for Bluetooth Wi-Fi module: 32.768 kHz
DC-DC CONVERTER: 1000 kHz/ 700.5 kHz/ 2.29 MHz/ 2.17 MHz/
767.25 kHz/ 699.05 kHz/ 767.25 kHz/ 699.05 kHz/ 436.907 kHz/
383.625 kHz/ 436.907 kHz/ 383.625 kHz
FM/AM TUNER: 9.216 MHz (VCO: 5.9904 GHz/ 6.2208 GHz)
TMC TUNER: 9.216 MHz (VCO: 5.9904 GHz/ 6.2208 GHz)
MAIN PROCESSOR: 24 MHz/ 32.768 kHz/ 11.2896 MHz
SYSTEM MICRO COMPUTER: 3.93216 MHz
DVD DRIVER: 27 MHz/ 121.5 MHz/ 36.864 MHz/ 33.8688 MHz
LCD BACK LIGHT: 436.907 kHz/ 383.625 kHz
ELECTRONIC VOLUME: 18.432 MHz
FPGA: 14.7456 MHz
ECHO CANCELLER: 12.288 MHz
HDMI RECEIVER: 27 MHz
DISPLAY CONTROLLER: 32 MHz
VIDEO DECODER: 32 MHz
MICRO COMPUTER: 10 MHz
WWR UNIT: 24 MHz
GPS: 26 MHz

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Radio Specification

Radio Type	:	Transceiver
Frequency of Operation	:	2.4 GHz: 2402 MHz - 2480 MHz (Bluetooth BDR/EDR) 2412 MHz - 2462 MHz (IEEE 802.11b/g/n) W58: 5745 MHz - 5825 MHz (IEEE 802.11a/n) 5755 MHz - 5795 MHz (IEEE 802.11n/ac) 5775 MHz (IEEE 802.11ac)
Modulation	:	DSSS (IEEE 802.11b), OFDM (IEEE 802.11g/n/a/ac) FHSS (Bluetooth BDR/EDR)
Power Supply (inner)	:	DC 3.3 V/1.8 V
Antenna type	:	Monopole Antenna
Antenna Gain	:	2.4 GHz: -8.0 dBi (Bluetooth BDR/EDR) -4.7 dBi (IEEE 802.11b/g/n) 5 GHz: -3.0 dBi
Operating Temperature	:	-10 deg. C to +60 deg. C

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SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification : FCC Part 15 Subpart C
FCC Part 15 final revised on September 20, 2017 and effective October 20, 2017

Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators
Section 15.207 Conducted limits
Section 15.247 Operation within the bands 902-928MHz,
2400-2483.5MHz, and 5725-5850MHz

* The revision on September 20, 2017, does not affect the test specification applied to the EUT.

3.2 Procedures and results

Item	Test Procedure	Specification	Worst margin	Results	Remarks
Conducted Emission	FCC: ANSI C63.10-2013 6. Standard test methods IC: RSS-Gen 8.8	FCC: Section 15.207 IC: RSS-Gen 8.8	N/A	N/A	*1)
6dB Bandwidth	FCC: KDB 558074 D01 DTS Meas Guidance v04 IC: -	FCC: Section 15.247(a)(2) IC: RSS-247 5.2(a)	See data.	Complied	Conducted
Maximum Peak Output Power	FCC: KDB 558074 D01 DTS Meas Guidance v04 IC: RSS-Gen 6.12	FCC: Section 15.247(b)(3) IC: RSS-247 5.4(d)		Complied	Conducted
Power Density	FCC: KDB 558074 D01 DTS Meas Guidance v04 IC: -	FCC: Section 15.247(e) IC: RSS-247 5.2(b)		Complied	Conducted
Spurious Emission Restricted Band Edges	FCC: KDB 558074 D01 DTS Meas Guidance v04 IC: RSS-Gen 6.13	FCC: Section15.247(d) IC: RSS-247 5.5 RSS-Gen 8.9 RSS-Gen 8.10	N/A	N/A	Conducted (below 30 MHz)/ Radiated (above 30 MHz) *2)

Note: UL Japan, Inc.'s EMI Work Procedures No. 13-EM-W0420 and 13-EM-W0422.

*1) The test is not applicable since the EUT does not have AC power ports.

*2) For the Radiated spurious emission test, refer to test report No 11922904M-B-R2

* In case any questions arise about test procedure, ANSI C63.10: 2013 is also referred.

FCC Part 15.31 (e)

This EUT provides stable voltage (DC 3.3 V / 1.8 V) constantly to the wireless transmitter regardless of input voltage. Instead of a new battery, DC power supply was used for the test. That does not affect the test result, Therefore this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT. Therefore, the equipment complies with the antenna requirement of Section 15.203.

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3.3 Addition to standard

Item	Test Procedure	Specification	Worst margin	Results	Remarks
99% Occupied Bandwidth	IC: RSS-Gen 6.6	IC: -	N/A	-	Conducted

Other than above, no addition, exclusion nor deviation has been made from the standard.

3.4 Uncertainty

EMI

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k=2$.
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Antenna terminal test	Uncertainty (+/-)
Power Measurement above 1 GHz (Average Detector)_SPM-06	0.72 dB
Power Measurement above 1 GHz (Peak Detector)_SPM-06	0.85 dB
Power Measurement above 1 GHz (Average Detector)_SPM-07	0.74 dB
Power Measurement above 1 GHz (Peak Detector)_SPM-07	0.91 dB
Spurious emission (Conducted) below 1GHz	1.6 dB
Spurious emission (Conducted) 1 GHz-3 GHz	1.3 dB
Spurious emission (Conducted) 3 GHz-18 GHz	2.2 dB
Spurious emission (Conducted) 18 GHz-26.5 GHz	2.3 dB
Spurious emission (Conducted) 26.5 GHz-40 GHz	2.4 dB
Bandwidth Measurement	1.01 %
Duty cycle and Time Measurement	0.012 %

3.5 Test Location

Test site	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Maximum measurement distance
No.1 Semi-anechoic chamber	2973D-1	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
No.2 Semi-anechoic chamber	2973D-2	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
No.3 Semi-anechoic chamber	2973D-3	12.7 x 7.7 x 5.35	12.7 x 7.7	5 m
No.4 Semi-anechoic chamber	-	8.1 x 5.1 x 3.55	8.1 x 5.1	-
No.1 Shielded room	-	6.8 x 4.1 x 2.7	6.8 x 4.1	-
No.2 Shielded room	-	6.8 x 4.1 x 2.7	6.8 x 4.1	-
No.3 Shielded room	-	6.3 x 4.7 x 2.7	6.3 x 4.7	-
No.4 Shielded room	-	4.4 x 4.7 x 2.7	4.4 x 4.7	-
No.5 Shielded room	-	7.8 x 6.4 x 2.7	7.8 x 6.4	-
No.6 Shielded room	-	7.8 x 6.4 x 2.7	7.8 x 6.4	-
No.8 shielded room	-	3.45 x 5.5 x 2.4	3.45 x 5.5	-
No.1 Measurement room	-	2.55 x 4.1 x 2.5	-	-

3.6 Test data, Test instruments, and Test set up

Refer to APPENDIX.

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SECTION 4: Operation of E.U.T. during testing

4.1 Operating Mode(s)

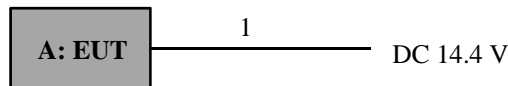
Test operating mode was determined as follows according to “Section 1 of 6 802.11 a/b/g/n testing - Managing Complex Regulatory Approvals - ” of TCB Council Workshop October 2009.

Mode	Power setting	Remarks*
IEEE 802.11b (11b)	14	11 Mbps, PN9
IEEE 802.11g (11g)	12	48 Mbps, PN9
IEEE 802.11n 20 MHz BW (11n-20)	11	MCS 5, SGI:OFF, PN9
*The worst condition was determined based on the test result of Maximum Peak Output Power (Mid Channel)		
*Power of the EUT was set by the software as follows; Software: SoC: Ver0.041100 System uCom: Ver7.07 *This setting of software is the worst case. Any conditions under the normal use do not exceed the condition of setting. In addition, end users cannot change the settings of the output power of the product.		

*The details of Operating mode(s)

Test Item	Operating Mode	Tested frequency
Conducted Spurious Emission	11g Tx*1)	2437 MHz
6dB Bandwidth	11b Tx	2412 MHz
Maximum Peak Output Power	11g Tx	2437 MHz
Power Density	11n-20 Tx	2462 MHz
99% Occupied Bandwidth		
*1) The mode was tested as a representative, because it had the highest power at antenna terminal test.		

4.2 Configuration and peripherals



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

Description of EUT

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	MULTIMEDIA NAVIGATION RECEIVER	AVIC-W8400NEX	QFTM000026UC	Pioneer Corporation	EUT

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	Power Supply Cable	0.3 + 1.5	Unshielded	Unshielded	-

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SECTION 5: Antenna Terminal Conducted Tests

Test Procedure

The tests were made with below setting connected to the antenna port.

Test	Span	RBW	VBW	Sweep time	Detector	Trace	Instrument used
6dB Bandwidth	50 MHz	100 kHz	300 kHz	Auto	Peak	Max Hold	Spectrum Analyzer
99% Occupied Bandwidth *1)	Enough width to display emission skirts	1 to 5 % of OBW	Three times of RBW	Auto	Sample	Max Hold	Spectrum Analyzer
Maximum Peak Output Power	-	-	-	Auto	Peak/ Average *2)	-	Power Meter (Sensor: 50 MHz BW)
Peak Power Density	1.5 times the 6dB Bandwidth	3 kHz	9.1 kHz	Auto	Peak	Max Hold	Spectrum Analyzer *3)
Conducted Spurious Emission	9kHz to 150kHz	200 Hz	620 Hz	Auto	Peak	Max Hold	Spectrum Analyzer
	150kHz to 30MHz	10 kHz	30 kHz				

*1) Max hold was applied as Worst-case measurement.
*2) Reference data
*3) Section 10.2 Method PKPSD (peak PSD) of "KDB 558074 D01 DTS Meas Guidance v04".

The test results and limit are rounded off to two decimals place, so some differences might be observed.

Test data : **APPENDIX**
Test result : **Pass**

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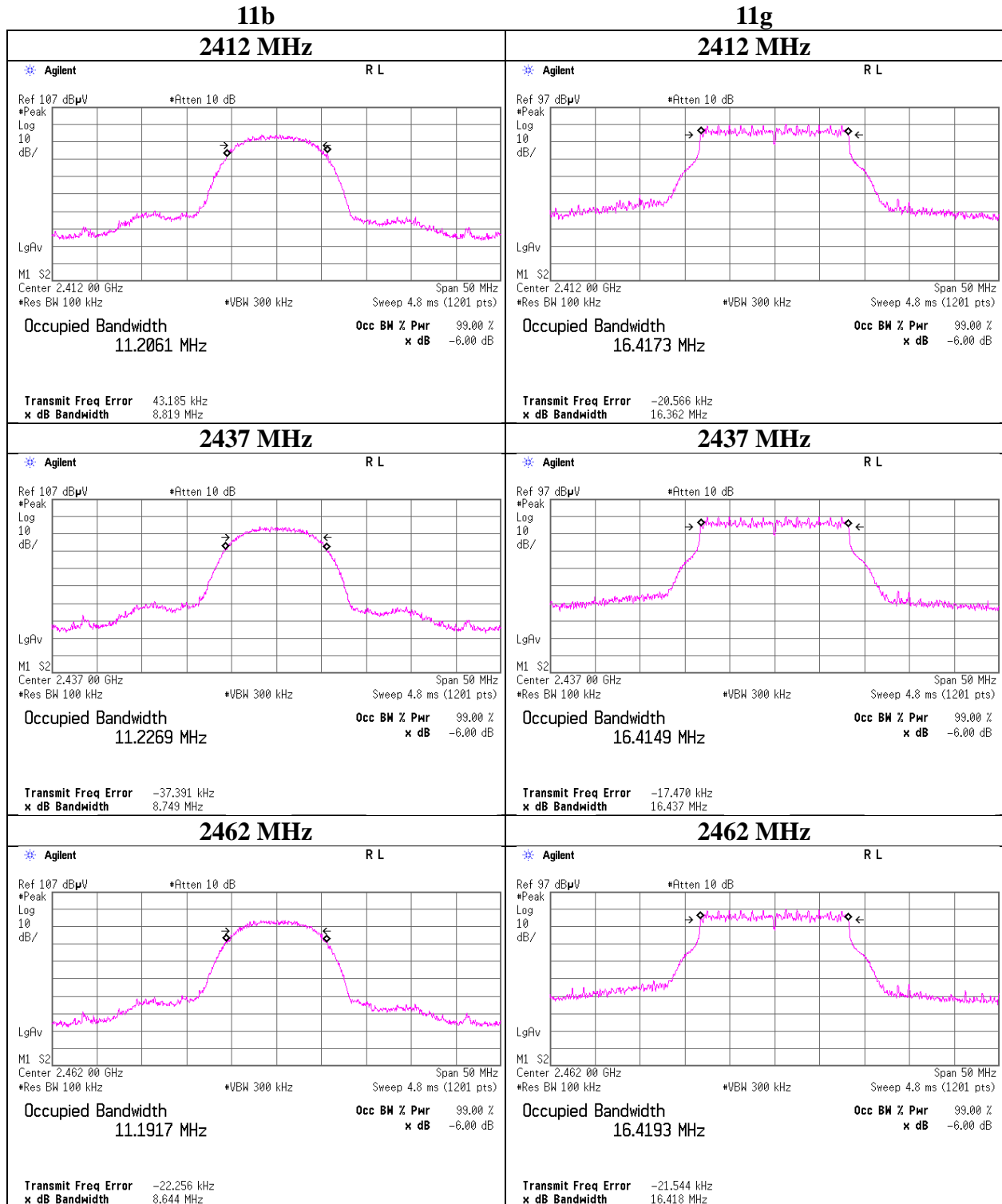
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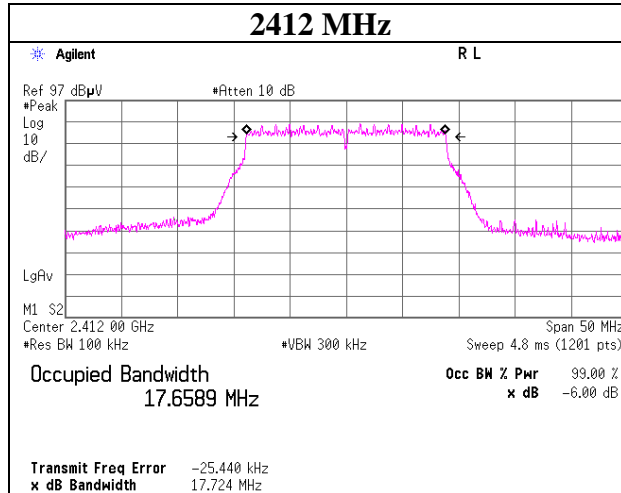
6dB Bandwidth



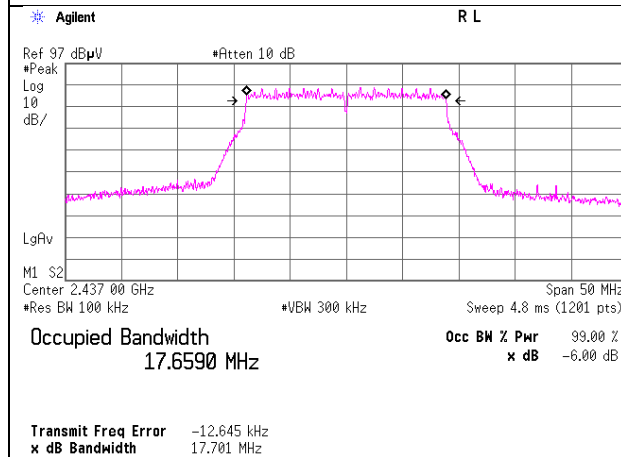
6dB Bandwidth

11n-20

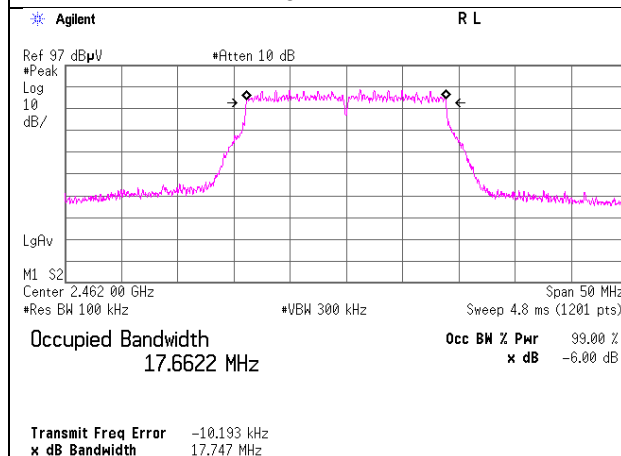
2412 MHz



2437 MHz



2462 MHz



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Maximum Peak Output Power

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx 11b

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
2412	-3.22	2.38	19.94	19.10	81.28	30.00	1000	10.90
2437	-3.06	2.39	19.94	19.27	84.53	30.00	1000	10.73
2462	-3.40	2.40	19.94	18.94	78.34	30.00	1000	11.06

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*The equipment and cables were not used for factor 0 dB of the data sheets.

2437MHz

Rate	Reading	Remark
[Mbps]	[dBm]	
1	-3.19	
2	-3.36	
5.5	-3.12	
11	-3.06	*

*: Worst Rate

All comparison were carried out on same frequency and measurement factors.

Maximum Peak Output Power

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx 11g

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
2412	1.49	2.38	19.94	23.81	240.44	30.00	1000	6.19
2437	1.92	2.39	19.94	24.25	266.07	30.00	1000	5.75
2462	1.62	2.40	19.94	23.96	248.89	30.00	1000	6.04

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*The equipment and cables were not used for factor 0 dB of the data sheets.

2437 MHz

Rate [Mbps]	Reading [dBm]	Remark
6	0.56	
9	0.36	
12	0.42	
18	0.35	
24	0.85	
36	1.45	
48	1.92	*
54	0.78	

*: Worst Rate

All comparison were carried out on same frequency and measurement factors.

Maximum Peak Output Power

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx 11n-20

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]	
2412	1.69	2.38	19.94	24.01	251.77	30.00	1000	5.99
2437	1.79	2.39	19.94	24.12	258.23	30.00	1000	5.88
2462	1.77	2.40	19.94	24.11	257.63	30.00	1000	5.89

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*The equipment and cables were not used for factor 0.0 dB of the data sheets.

2437 MHz, SGI: OFF

MCS Number	Reading [dBm]	Remark
0	0.59	
1	0.87	
2	0.56	
3	0.92	
4	1.24	
5	1.79	*
6	0.86	
7	1.57	

2437 MHz, SGI: ON

MCS Number	Reading [dBm]	Remark
0	0.67	
1	0.07	
2	-0.15	
3	1.19	
4	0.62	
5	1.66	
6	1.11	
7	1.04	

* Worst Condition

All comparison were carried out on same frequency and measurement factors.

Average Output Power
(Reference data for RF Exposure / SAR testing)

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx

11b 1 Mbps

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Time average)		Duty factor [dB]	Result (Burst power average)	
				[dBm]	[mW]		[dBm]	[mW]
2412	-6.87	2.38	19.94	15.45	35.08	0.04	15.49	35.40
2437	-7.05	2.39	19.94	15.28	33.73	0.04	15.32	34.04
2462	-7.16	2.40	19.94	15.18	32.96	0.04	15.22	33.27

11g 6 Mbps

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Time average)		Duty factor [dB]	Result (Burst power average)	
				[dBm]	[mW]		[dBm]	[mW]
2412	-9.08	2.38	19.94	13.24	21.09	0.29	13.53	22.54
2437	-9.21	2.39	19.94	13.12	20.51	0.29	13.41	21.93
2462	-9.31	2.40	19.94	13.03	20.09	0.29	13.32	21.48

11n-20 MCS 0

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Time average)		Duty factor [dB]	Result (Burst power average)	
				[dBm]	[mW]		[dBm]	[mW]
2412	-10.25	2.38	19.94	12.07	16.11	0.31	12.38	17.30
2437	-10.15	2.39	19.94	12.18	16.52	0.31	12.49	17.74
2462	-10.45	2.40	19.94	11.89	15.45	0.31	12.20	16.60

Sample Calculation:

Result (Time average) = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Result (Burst power average) = Time average + Duty factor

*The equipment and cables were not used for factor 0 dB of the data sheets.

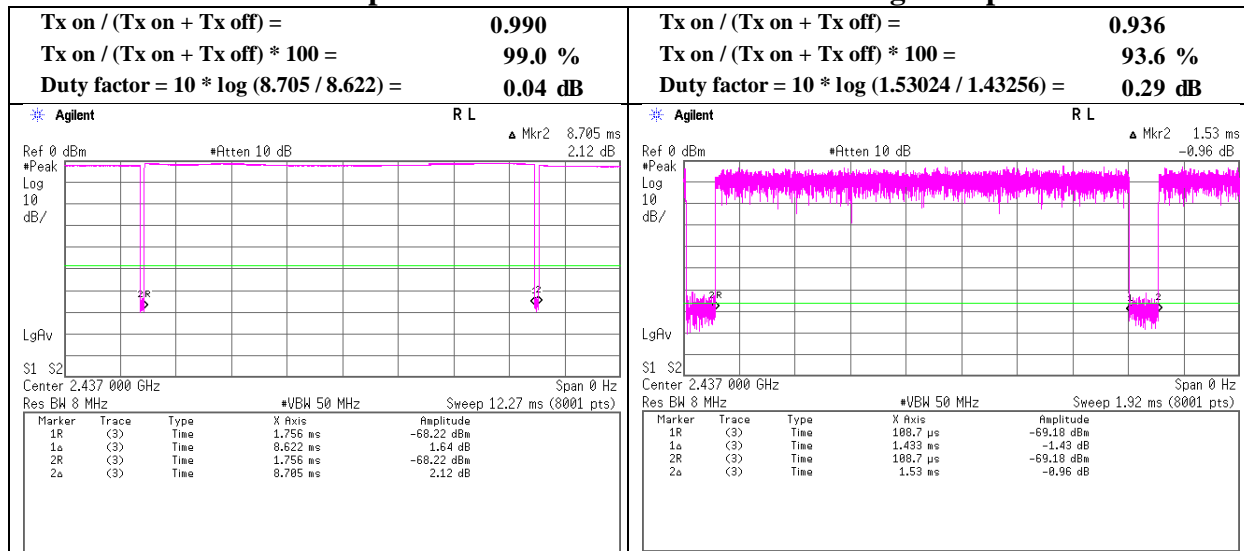
The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Burst rate confirmation

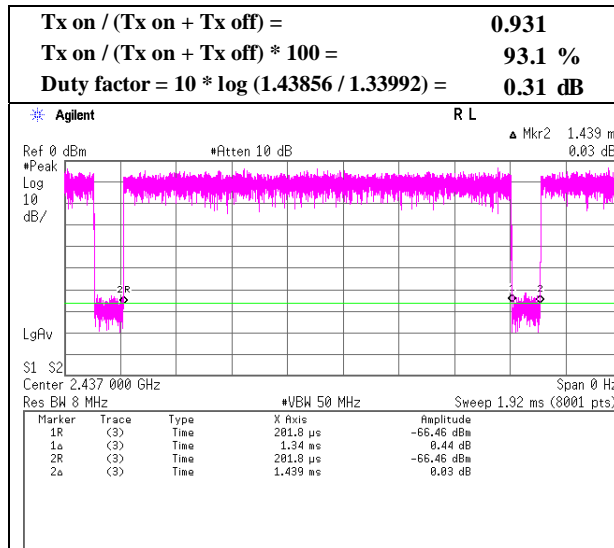
Test place	Shonan EMC Lab. No.5 Shielded Room
Report No.	11922902S-B-R2
Date	September 4, 2017
Temperature / Humidity	26 deg. C / 48 % RH
Engineer	Makoto Hosaka
Mode	Tx

11b 1 Mbps

11g 6 Mbps



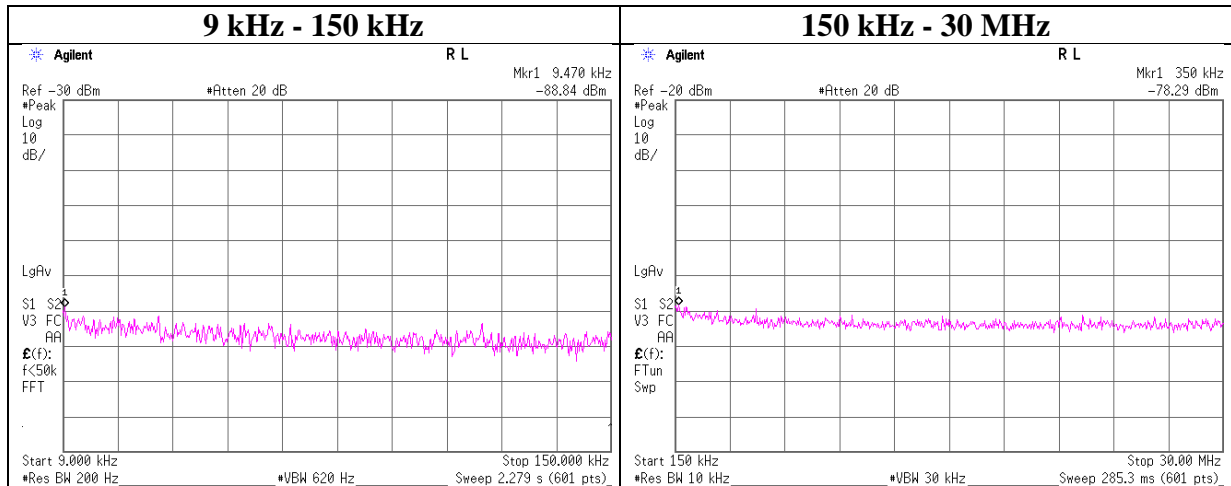
11n-20 MCS 0



* Since the burst rate is not different between the channels, the data has been obtained on the representative channel.

Conducted Spurious Emission

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx 11g 2437 MHz



Frequency [kHz]	Reading [dBm]	Cable Loss [dB]	Attenuator Loss [dB]	Antenna Gain* [dBi]	N (Number of Output)	EIRP [dBm]	Distance [m]	Ground bounce [dB]	E (field strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
9.47	-88.8	1.82	19.9	2.0	1	-65.2	300	6.0	-3.9	48.0	51.9	
350.00	-78.3	1.82	19.9	2.0	1	-54.6	300	6.0	6.6	16.7	10.1	

$E \text{ [dBuV/m]} = \text{EIRP [dBm]} - 20 \log(\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8 \text{ [dBuV/m]}$

$\text{EIRP[dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log(N)$

N: Number of output

*2.0 dBi was applied to the test result based on KDB 558074 since antenna gain was less than 2.0 dBi.

Power Density

Test place : Shonan EMC Lab. No.5 Shielded Room
Report No. : 11922902S-B-R2
Date : September 4, 2017
Temperature / Humidity : 26 deg. C / 48 % RH
Engineer : Makoto Hosaka
Mode : Tx

11b

Freq.	Reading	Cable Loss	Atten. Loss	Result	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412.00	-30.13	2.38	19.94	-7.81	8.00	15.81
2437.00	-29.57	2.39	19.94	-7.24	8.00	15.24
2462.00	-29.67	2.40	19.94	-7.33	8.00	15.33

11g

Freq.	Reading	Cable Loss	Atten. Loss	Result	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412.00	-36.99	2.38	19.94	-14.67	8.00	22.67
2437.00	-36.89	2.39	19.94	-14.56	8.00	22.56
2462.00	-36.82	2.40	19.94	-14.48	8.00	22.48

11n-20

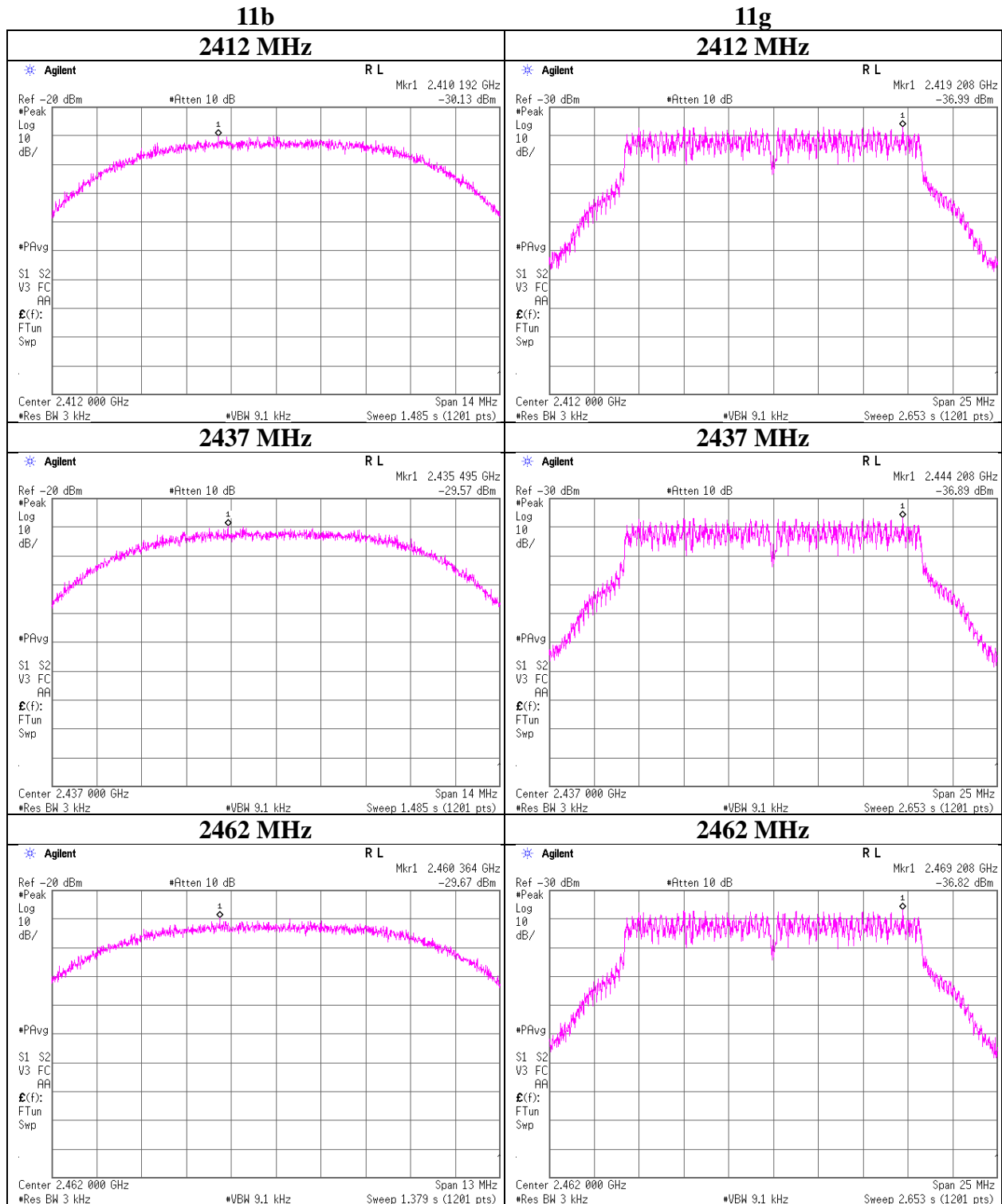
Freq.	Reading	Cable Loss	Atten. Loss	Result	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412.00	-35.02	2.38	19.94	-12.70	8.00	20.70
2437.00	-36.05	2.39	19.94	-13.72	8.00	21.72
2462.00	-36.41	2.40	19.94	-14.07	8.00	22.07

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*The equipment and cables were not used for factor 0 dB of the data sheets.

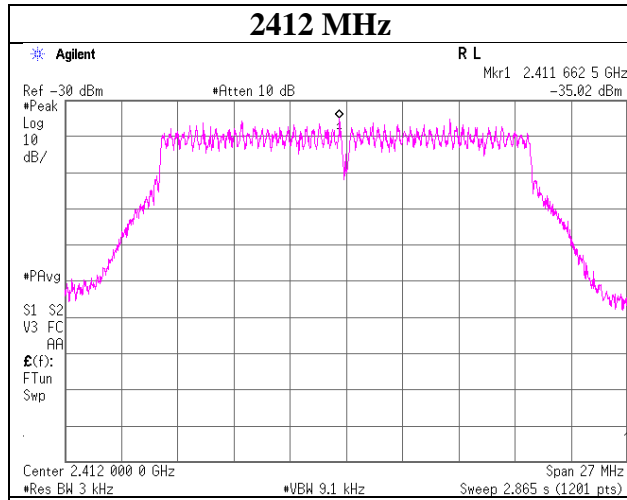
Power Density



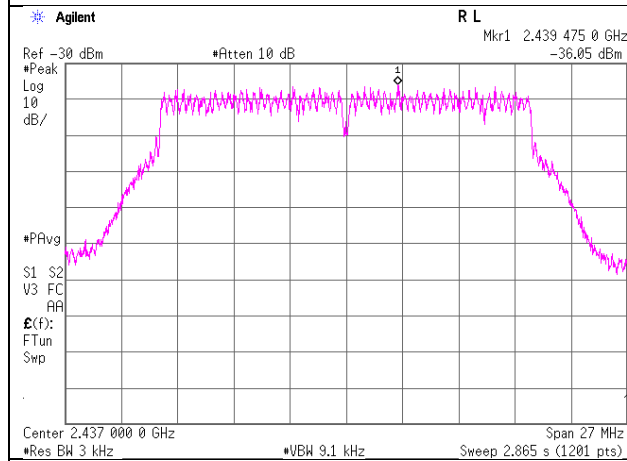
Power Density

11n-20

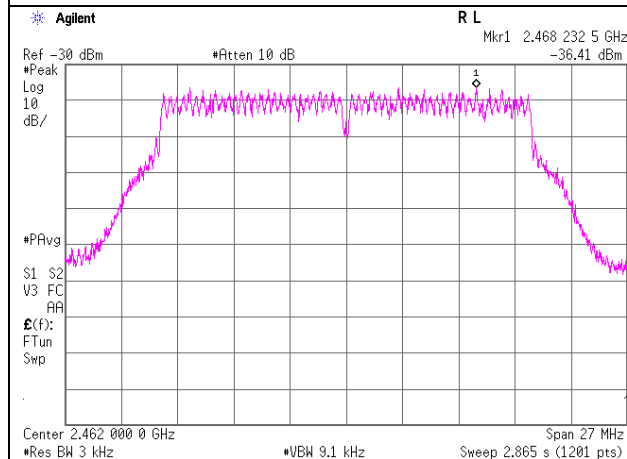
2412 MHz



2437 MHz

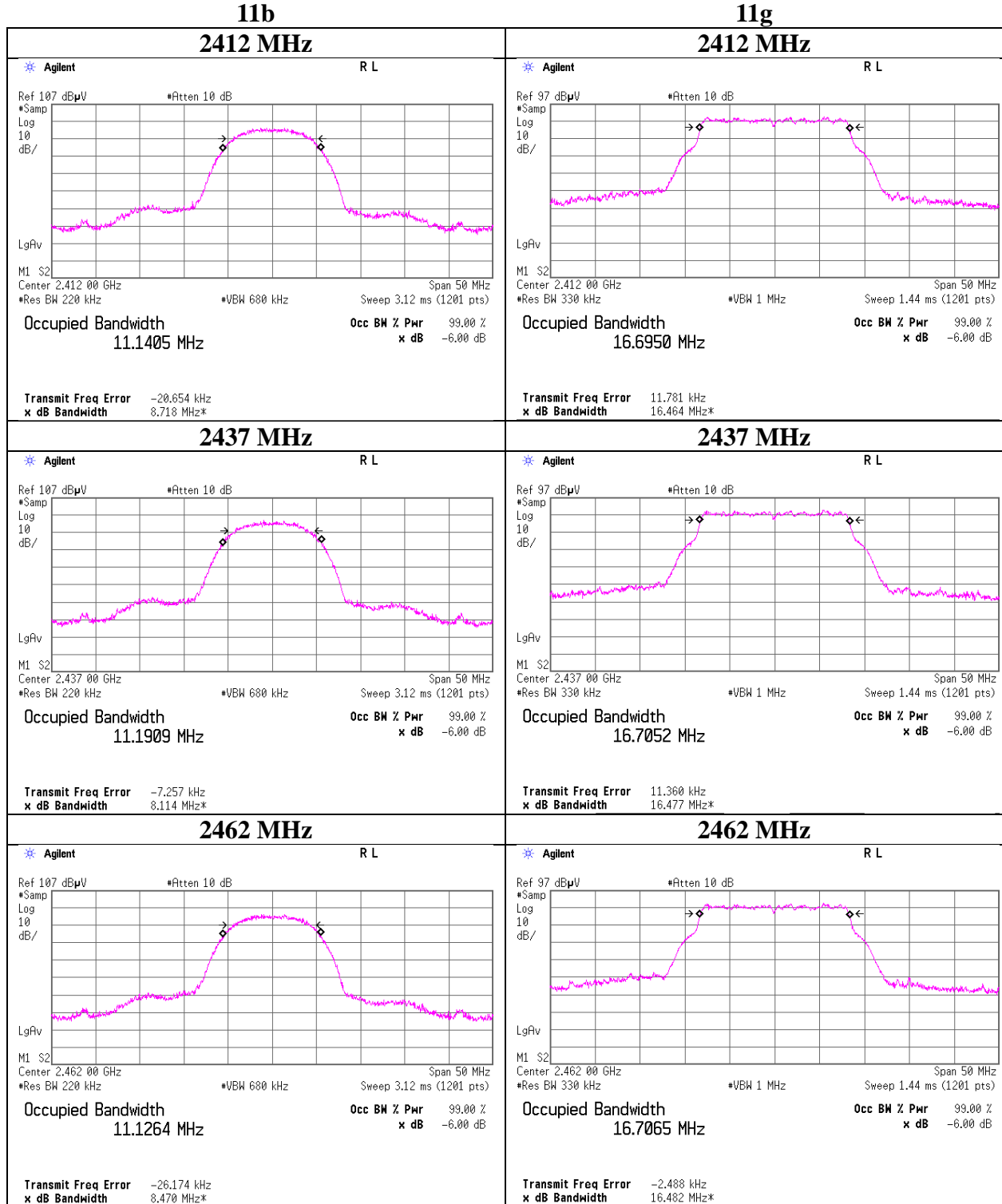


2462 MHz



99% Occupied Bandwidth

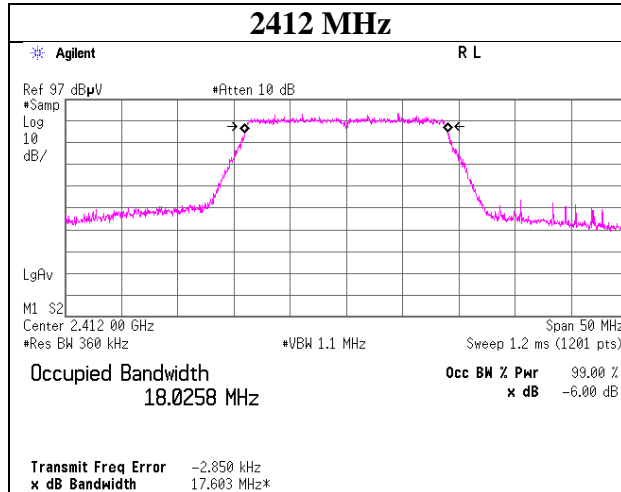
Test place	Shonan EMC Lab. No.5 Shielded Room
Report No.	11922902S-B-R2
Date	September 4, 2017
Temperature / Humidity	26 deg. C / 48 % RH
Engineer	Makoto Hosaka
Mode	Tx



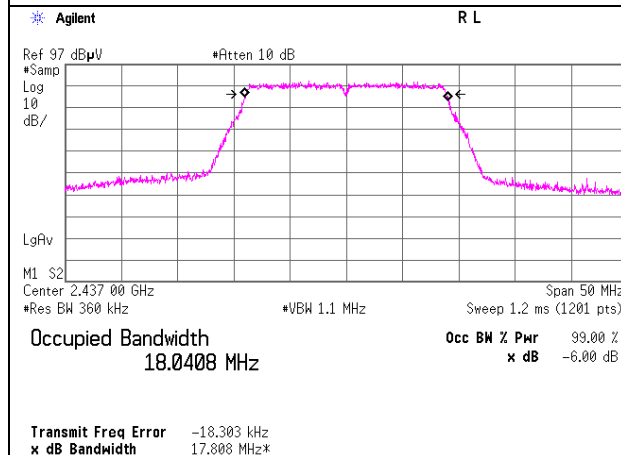
99% Occupied Bandwidth

Test place	Shonan EMC Lab. No.5 Shielded Room
Report No.	11922902S-B-R2
Date	September 4, 2017
Temperature / Humidity	26 deg. C / 48 % RH
Engineer	Makoto Hosaka
Mode	Tx

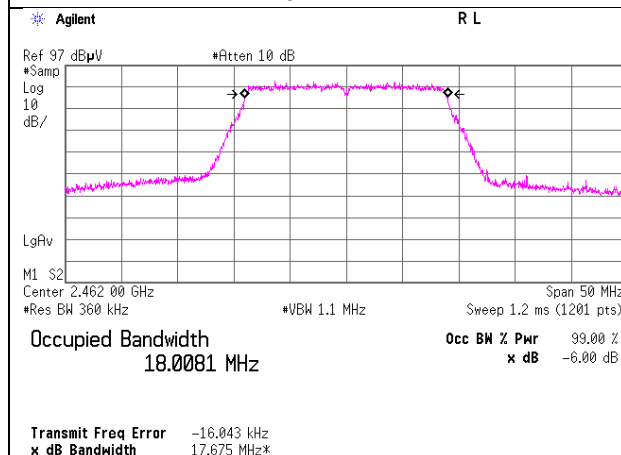
11n-20



2437 MHz



2462 MHz



APPENDIX 2: Test instruments

Test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
SCC-G32	Coaxial Cable	Junkosha	MWX241-02 000KMSKM S	OCT-09-13- 005	AT	2016/11/07 * 12
SAT20-06	Attenuator	Weinschel Corp.	54A-20	31506	AT	2017/04/20 * 12
SPM-07	Power Meter	Agilent	8990B	MY510027 2	AT	2017/05/01 * 12
SPSS-04	Power sensor	Agilent	N1923A	MY532600 9	AT	2017/05/01 * 12
SRENT-08	Spectrum Analyzer	Agilent	E4448A	MY501800 19	AT	2016/10/24 * 12
SOS-09	Humidity Indicator	A&D	AD-5681	4061484	AT	2016/12/13 * 12
STS-05	Digital Hitester	Hioki	3805-50	080997828	AT	2016/10/17 * 12

The expiration date of the calibration is the end of the expired month.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

Test Item: AT: Antenna Terminal Conducted test

UL Japan, Inc.

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