



FCC RF Test Report

APPLICANT : Tangerine Innovation Holding, Inc.
EQUIPMENT : Jido Sense
BRAND NAME : Tangerine
MODEL NAME : TNGJSV06
FCC ID : 2AXZETNGJSV06
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Sep. 12, 2020 and testing was completed on Oct. 10, 2020. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Reviewed by: Jason Jia / Supervisor

Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR091201B	Rev. 01	Initial issue of report	Nov. 24, 2020



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	$\geq 0.5\text{MHz}$	Pass	-
3.1	-	99% Bandwidth	-	Pass	-
3.2	15.247(b)	Power Output Measurement	$\leq 30\text{dBm}$	Pass	-
3.3	15.247(e)	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$	Pass	-
3.4	15.247(d)	Conducted Band Edges	$\leq 20\text{dBc}$	Pass	-
		Conducted Spurious Emission		Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.13 dB at 2483.500 MHz
-	15.207	AC Conducted Emission	15.207(a)	Not Required	-
3.6	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

Remark: Not required means after assessing, test items are not necessary to carry out.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Applicant

Tangerine Innovation Holding, Inc.

325 Sharon Park Dr 116, Menlo Park CA 94025, United States

1.2 Manufacturer

Tangerine Innovation Holding, Inc.

325 Sharon Park Dr 116, Menlo Park CA 94025, United States

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Jido Sense
Brand Name	Tangerine
Model Name	TNGJSV06
FCC ID	2AXZETNGJSV06
EUT supports Radios application	WCDMA/LTE/GNSS WLAN 2.4GHz 802.11b/g/n HT20/HT40 Bluetooth LE
IMEI Code	Radiation: N/A conducted: N/A
HW Version	V6.2
SW Version	2.86
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The manufacturer declares that only sample2 (with e-SIM) to be tested.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2462 MHz
Maximum (Peak) Output Power to antenna	802.11b : 18.67 dBm (0.0736 W) 802.11g : 21.71 dBm (0.1483 W) 802.11n HT20 : 21.82 dBm (0.1521 W) 802.11n HT40 : 22.71 dBm (0.1866 W)
99% Occupied Bandwidth	802.11b : 13.74MHz 802.11g : 18.73MHz 802.11n HT20 : 18.63MHz 802.11n HT40 : 37.26MHz
Antenna Type / Gain	Dipole Antenna with gain 2.2 dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH05-KS TH01-KS	CN1257	314309

1.7 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH05-KS	AUDIX	E3	6.2009-8-24a1



1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 15 Subpart C §15.247
- ♦ FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated:, radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		

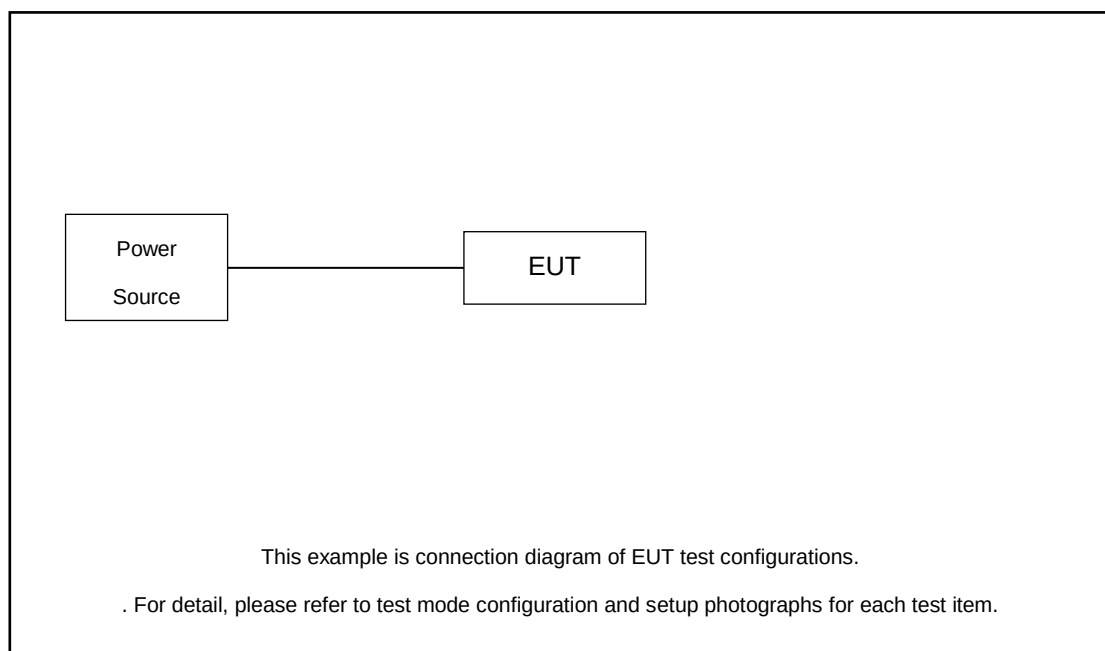


2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

2.3 Connection Diagram of Test System





2.4 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit/receive.

2.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.5 dB.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} . \\ &= 5.5 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

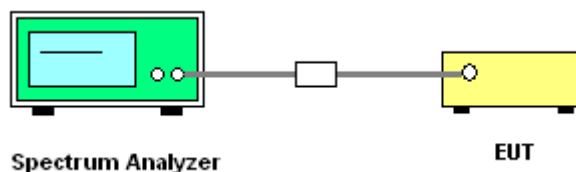
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.8
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1MHz and set the Video bandwidth (VBW) = 3MHz.
6. Measure and record the results in the test report.

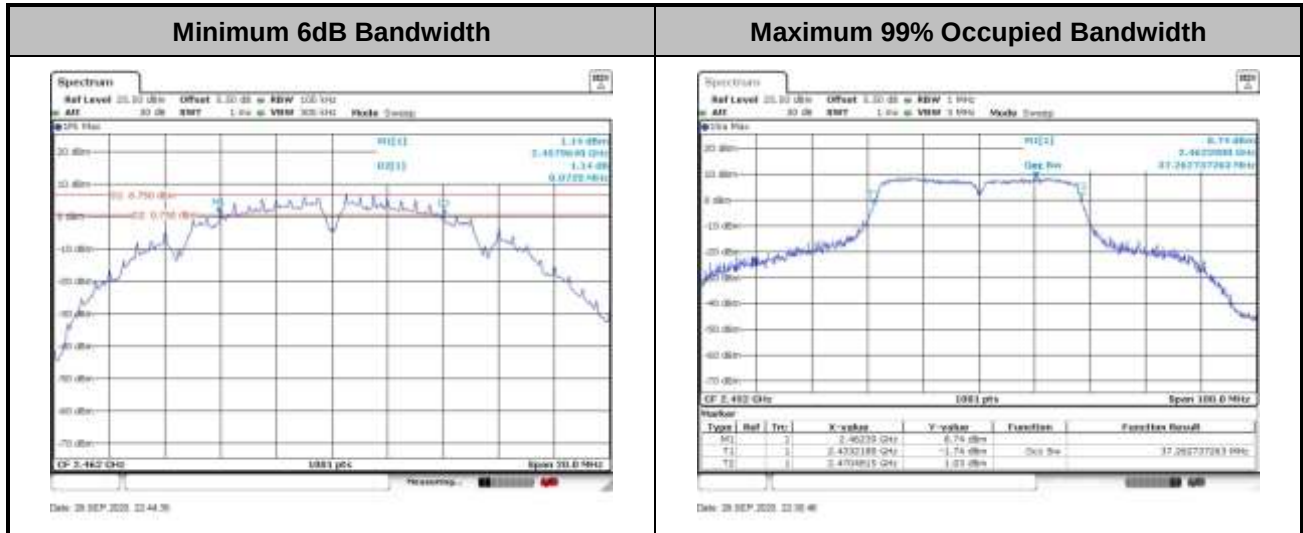
3.1.4 Test Setup





3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

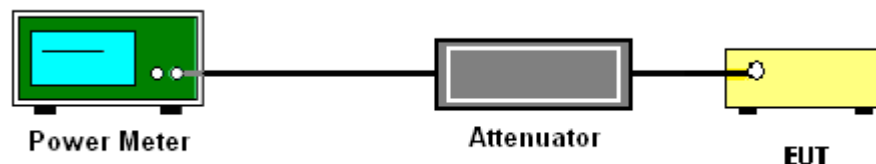
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.1.3 PKPM1 Peak power meter or ANSI C63.10-2013 clause 11.9.2.3.2 Method AVGPM-G method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average output Power (Reporting Only)

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

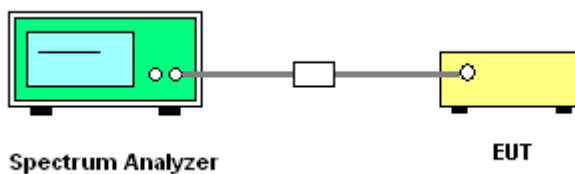
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

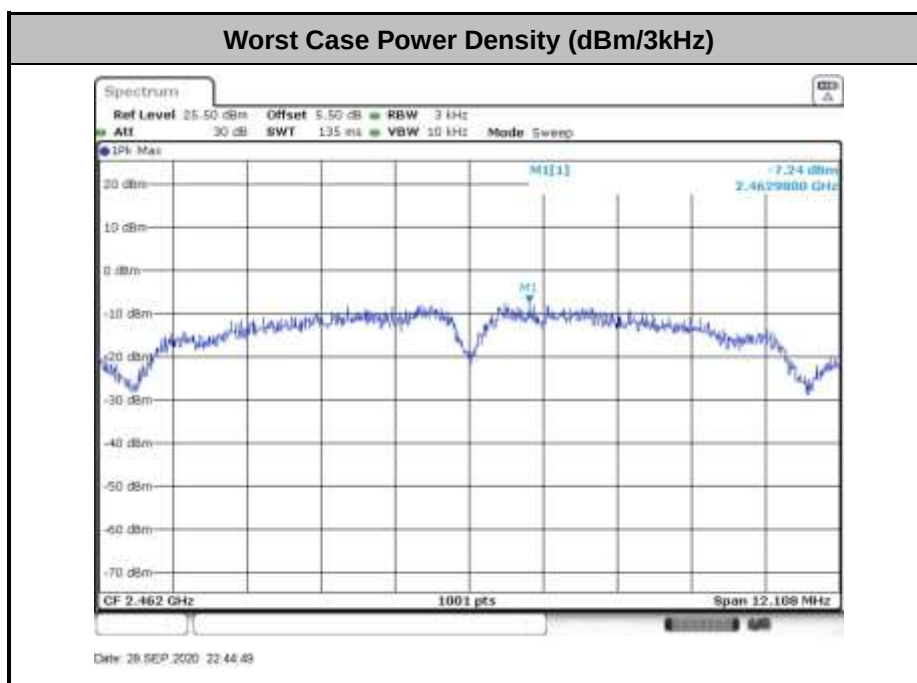
1. The testing follows Measurement Procedure of ANSI C63.10-2013 clause 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

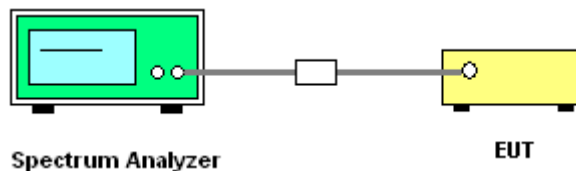
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.13
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup

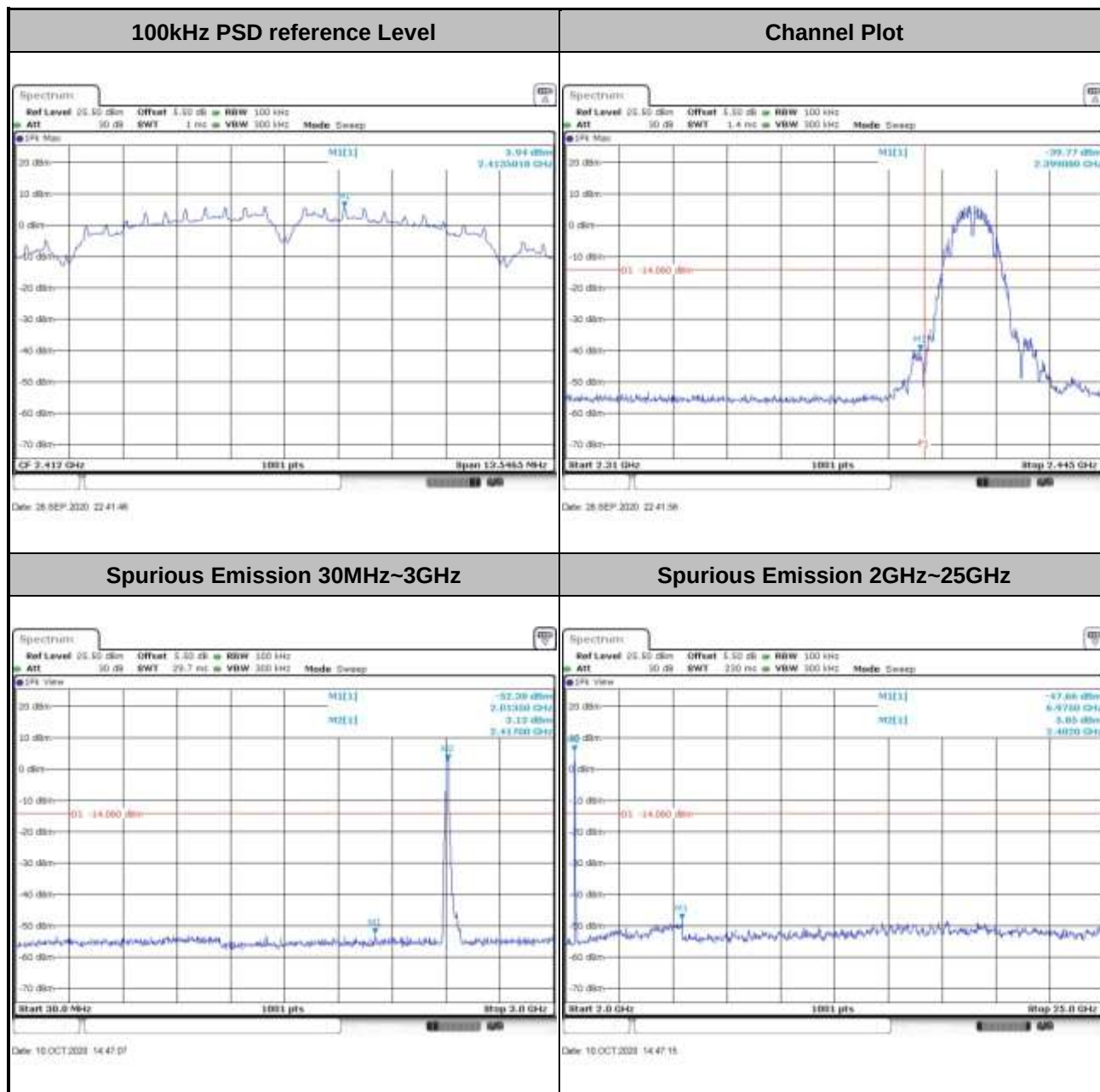




3.4.5 Test Result of Conducted Band Edges and Spurious Emission

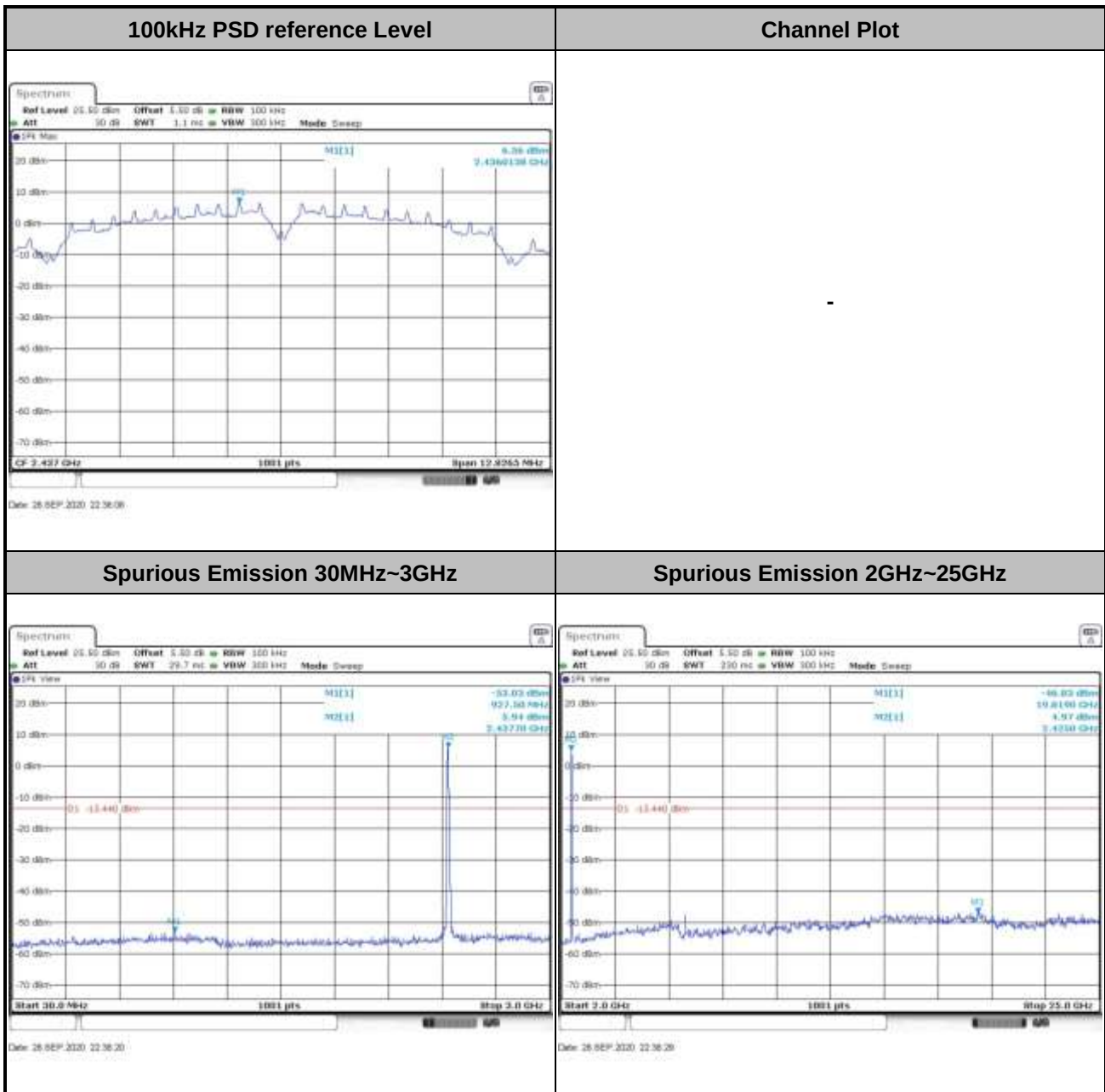
Test Engineer :	rise liu	Temperature :	21~25 °C
		Relative Humidity :	51~54%

Test Mode :	802.11b	Test Channel :	01
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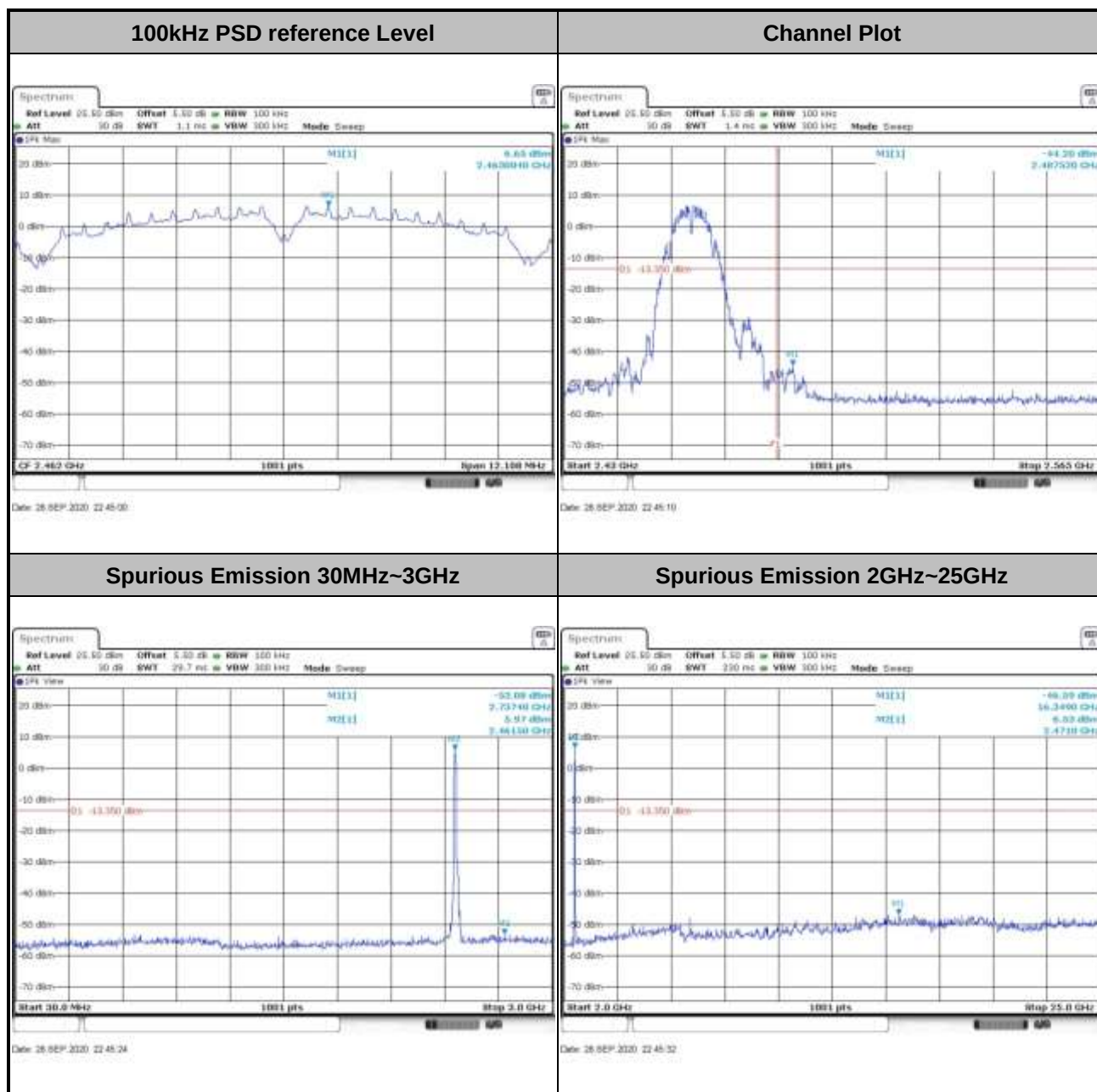


Test Mode :	802.11b	Test Channel :	06
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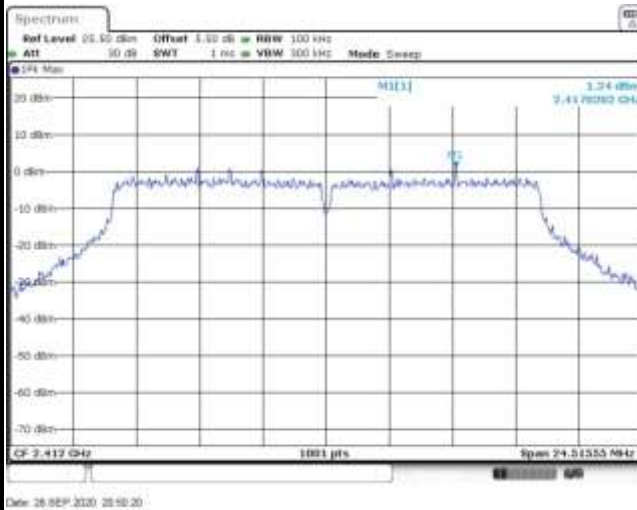
Test Mode :	802.11b	Test Channel :	11
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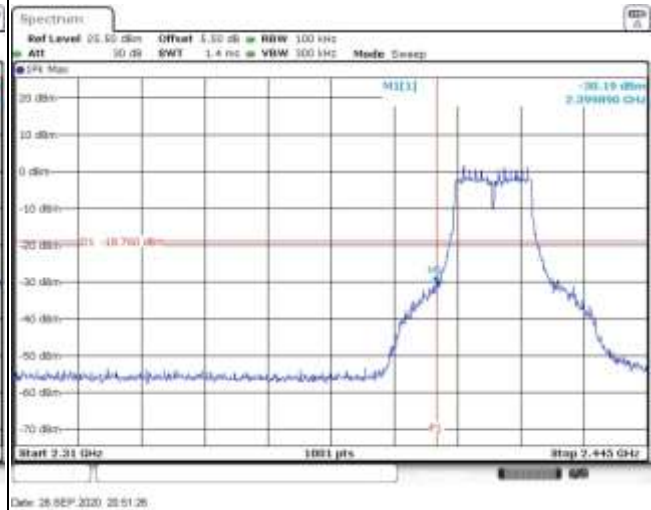


Test Mode :	802.11g	Test Channel :	01
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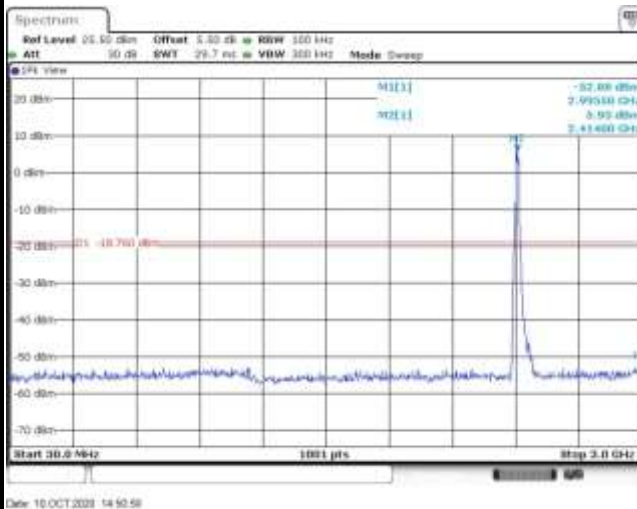
100kHz PSD reference Level



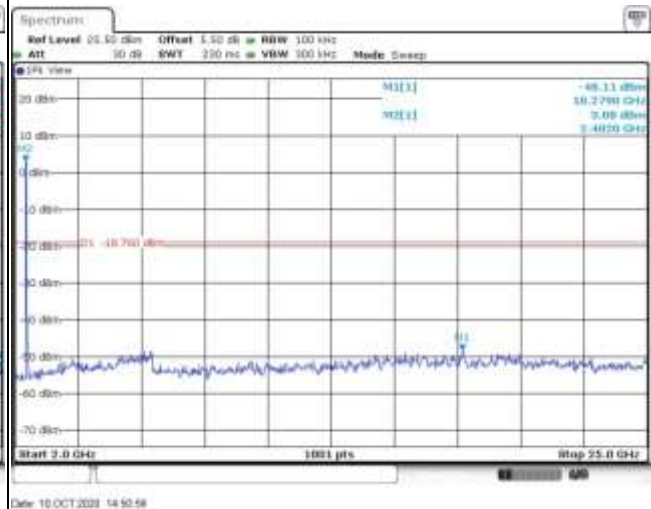
Channel Plot



Spurious Emission 30MHz~3GHz

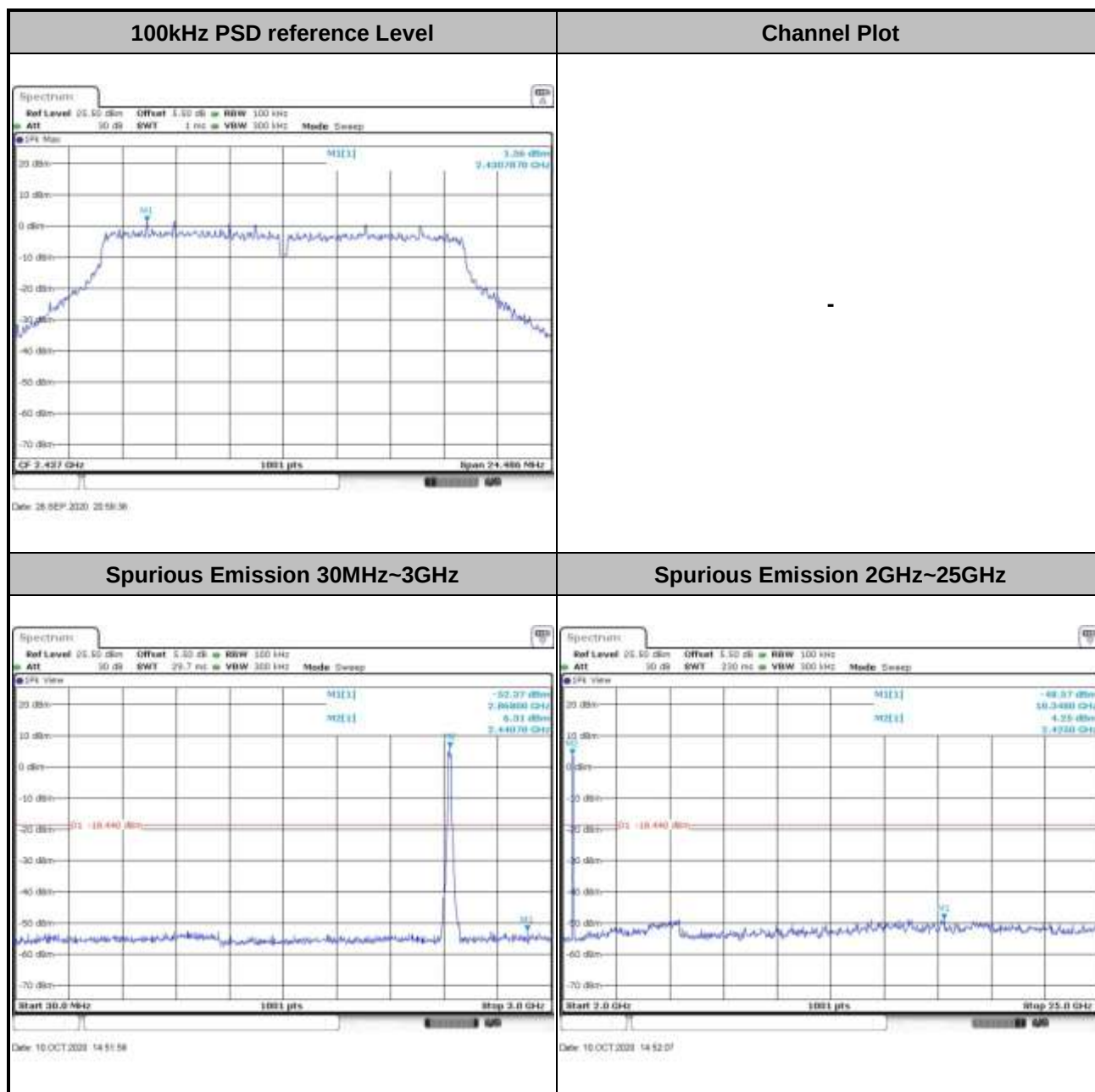


Spurious Emission 2GHz~25GHz



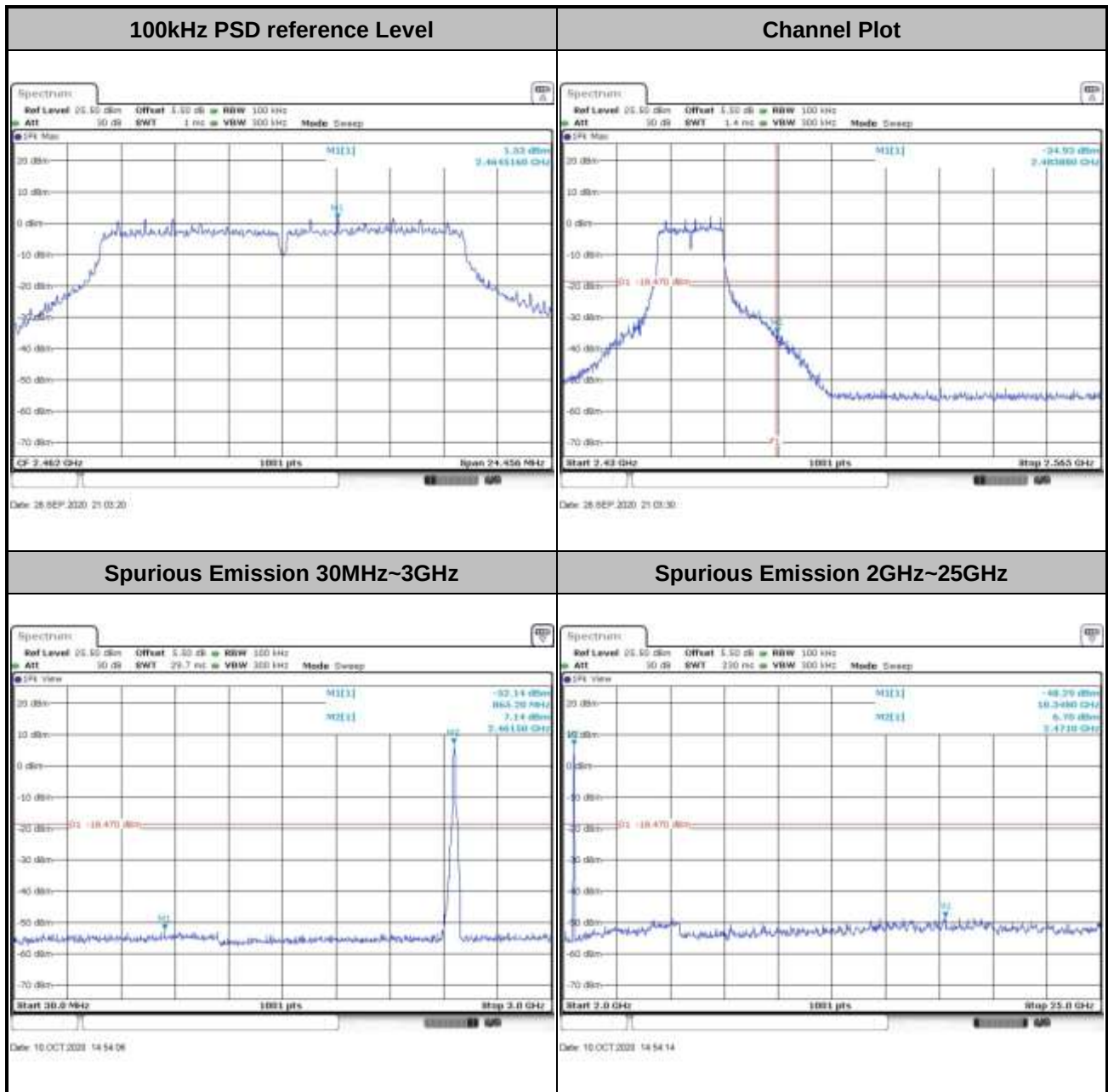


Test Mode :	802.11g	Test Channel :	06
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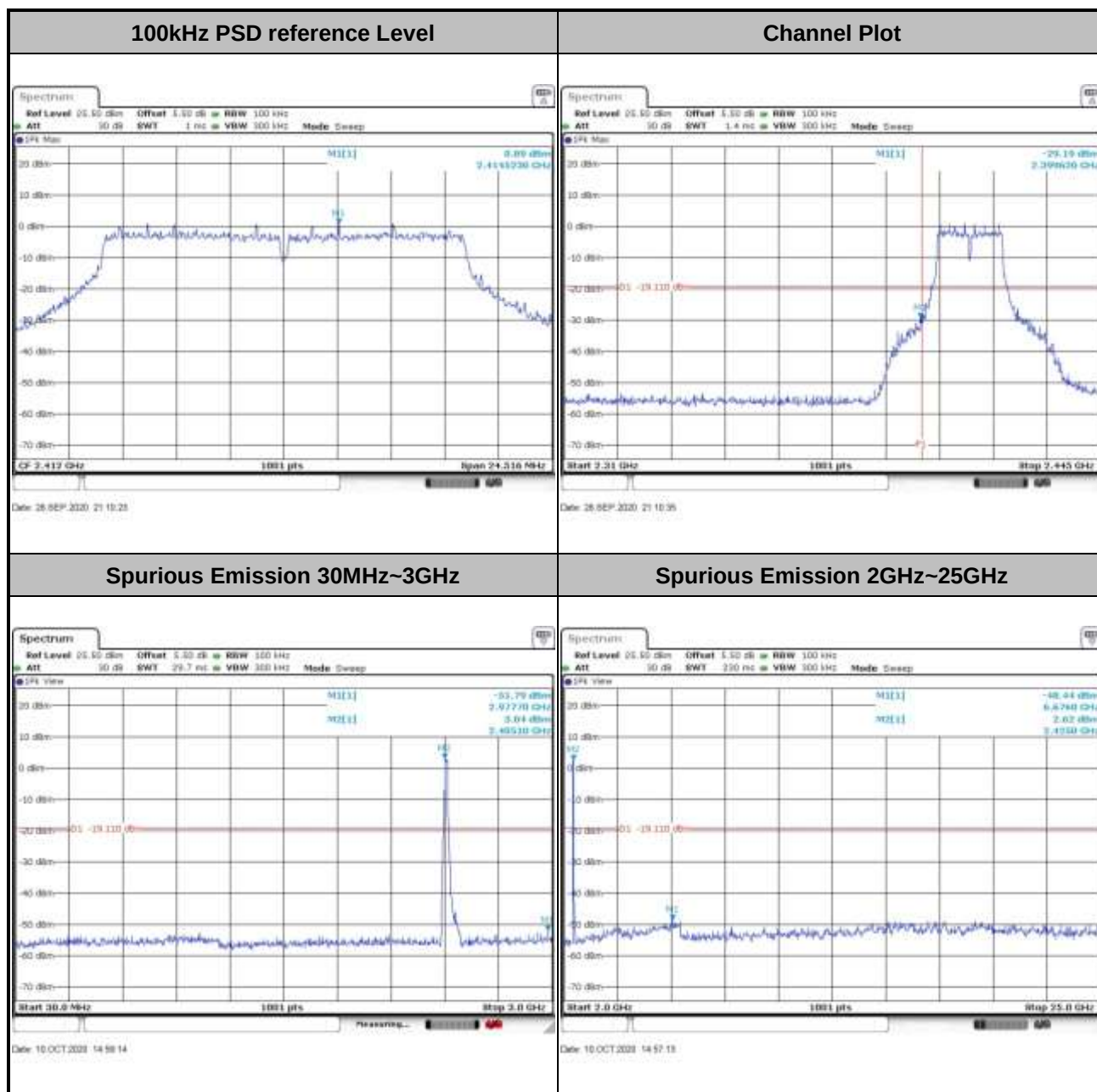


Test Mode :	802.11g	Test Channel :	11
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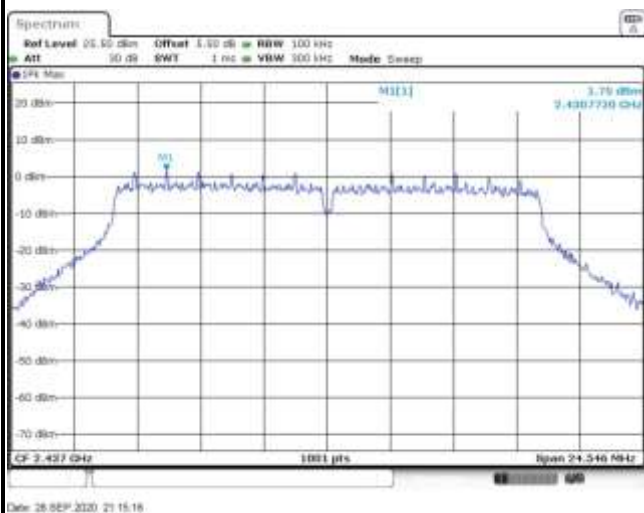
Test Mode :	802.11n HT20	Test Channel :	01
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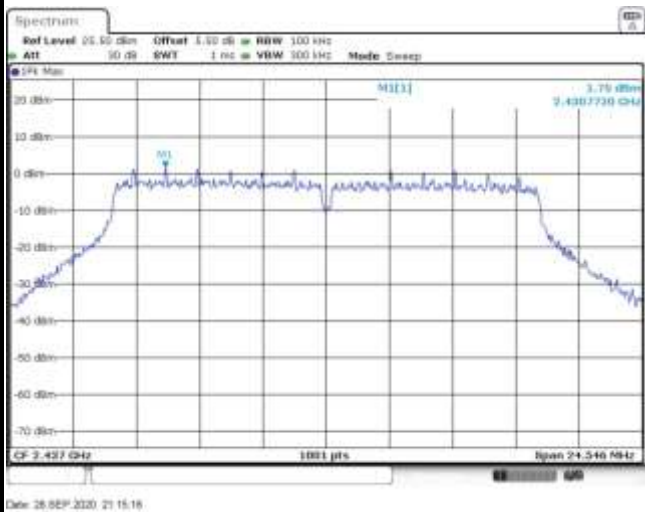


Test Mode :	802.11n HT20	Test Channel :	06
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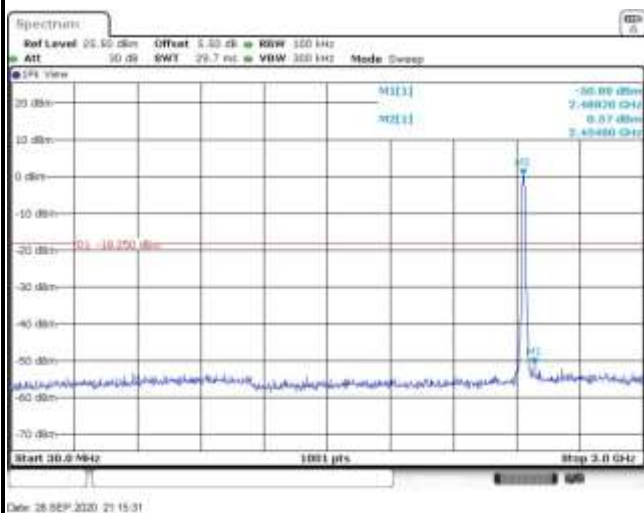
100kHz PSD reference Level



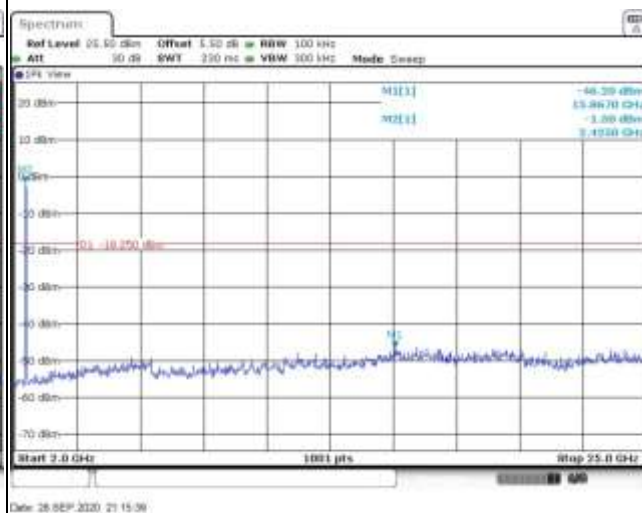
Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

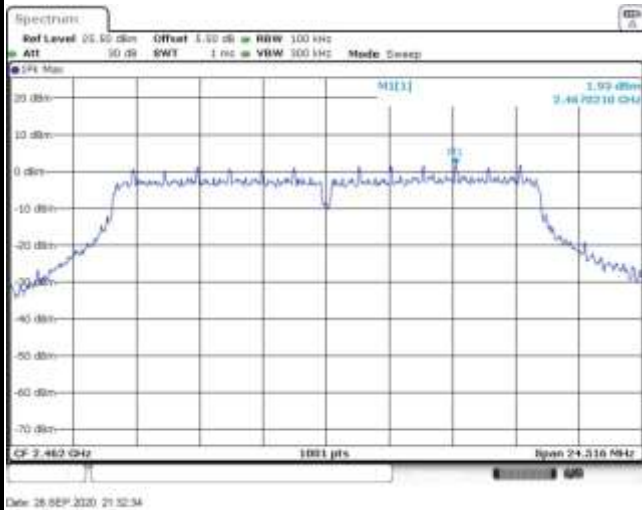




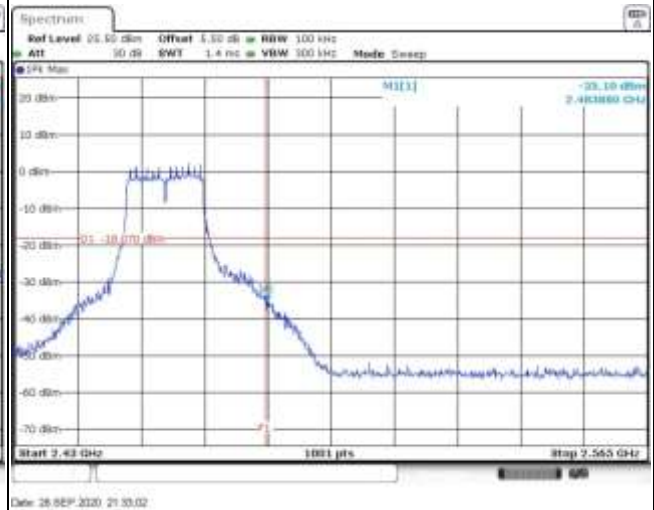
Test Mode : 802.11n HT20

Test Channel : 11

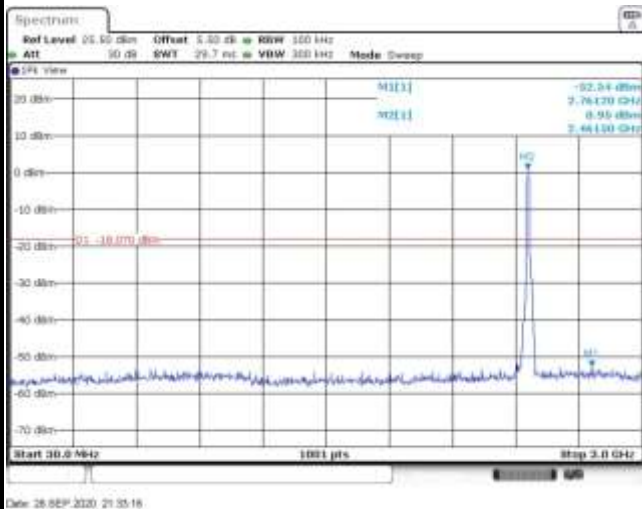
100kHz PSD reference Level



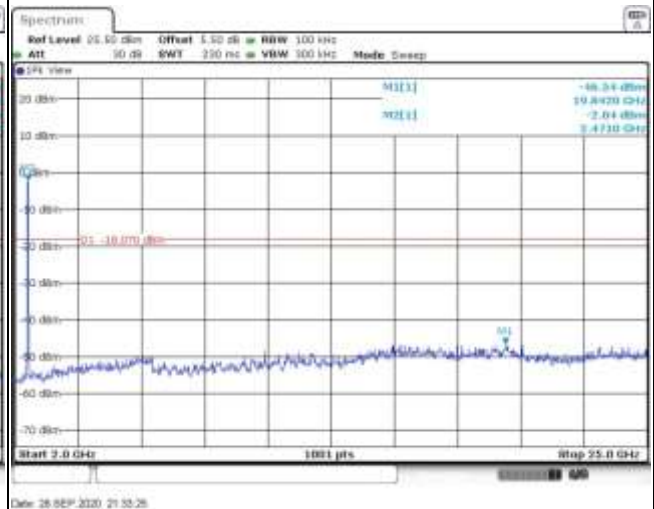
Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

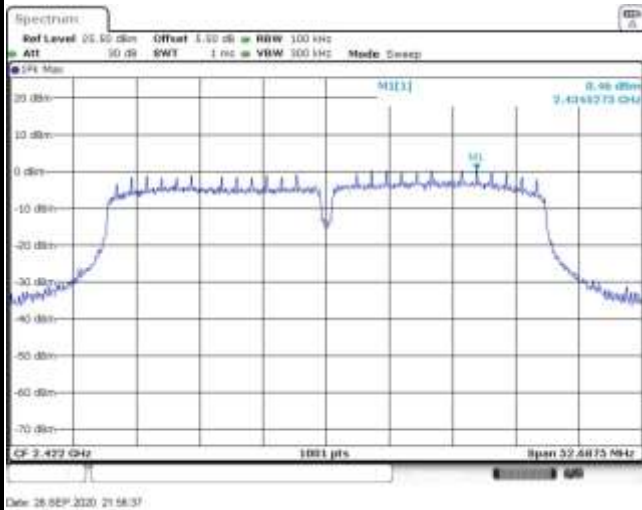




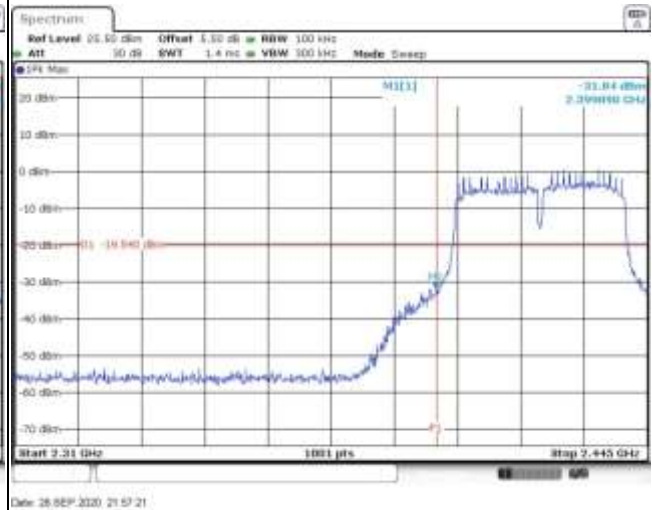
Test Mode : 802.11n HT40

Test Channel : 03

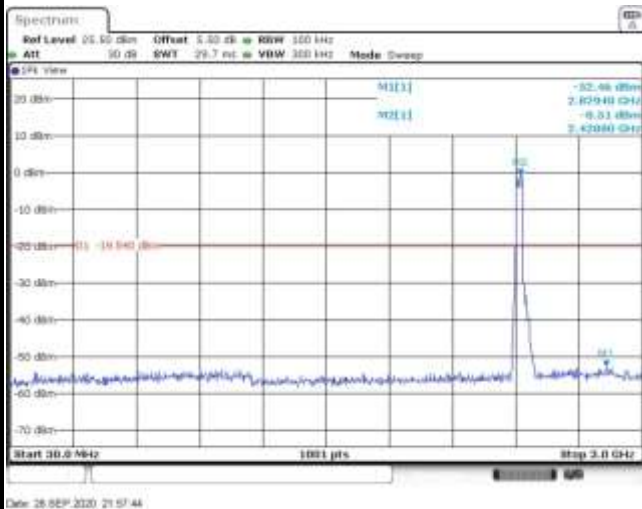
100kHz PSD reference Level



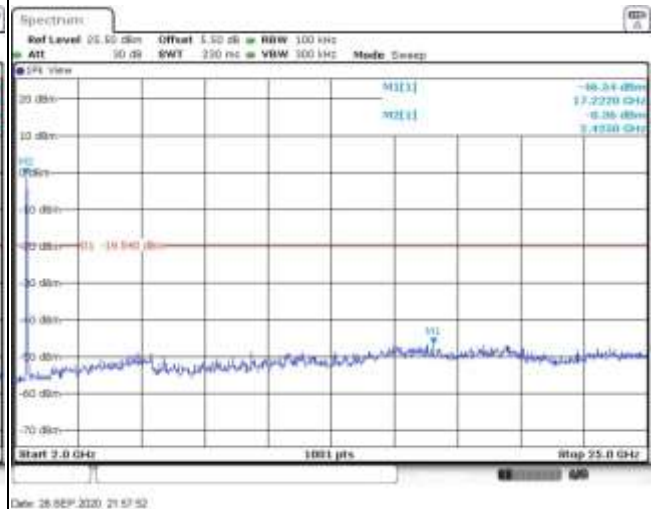
Channel Plot



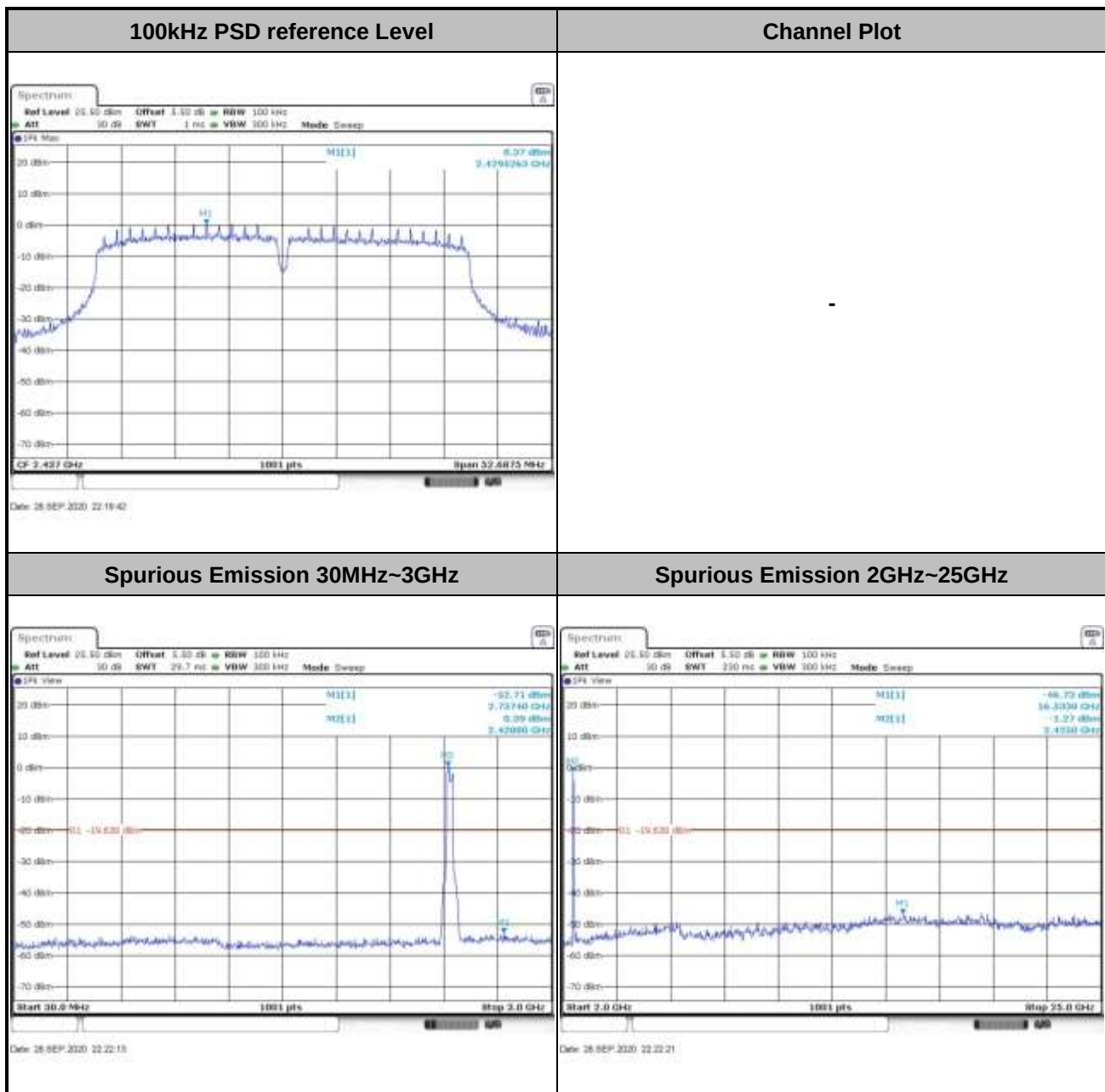
Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz



Test Mode :	802.11n HT40	Test Channel :	06
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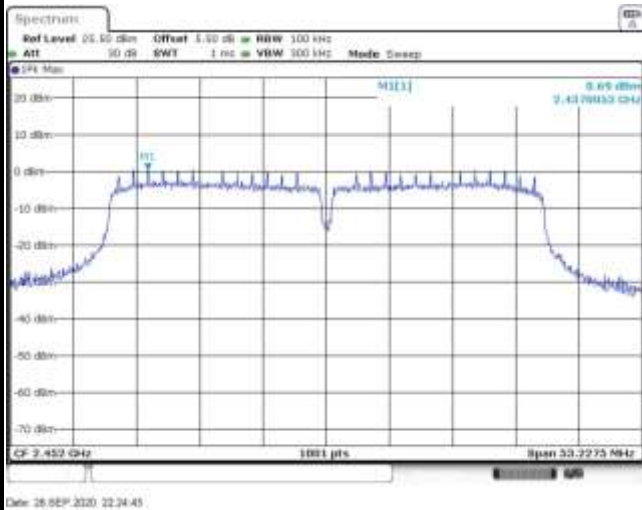




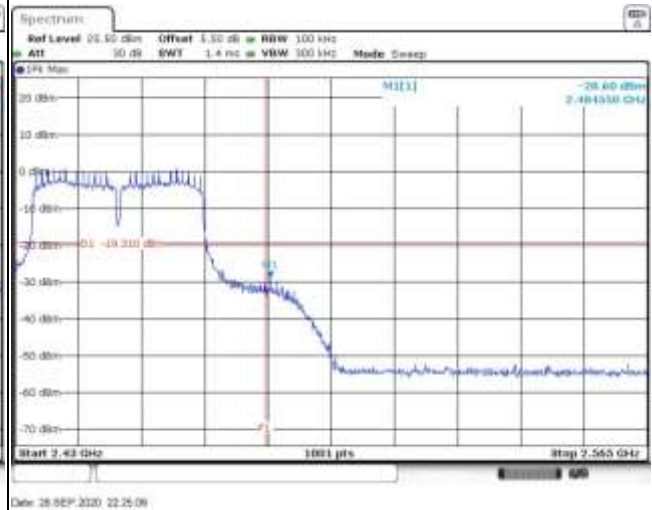
Test Mode : 802.11n HT40

Test Channel : 09

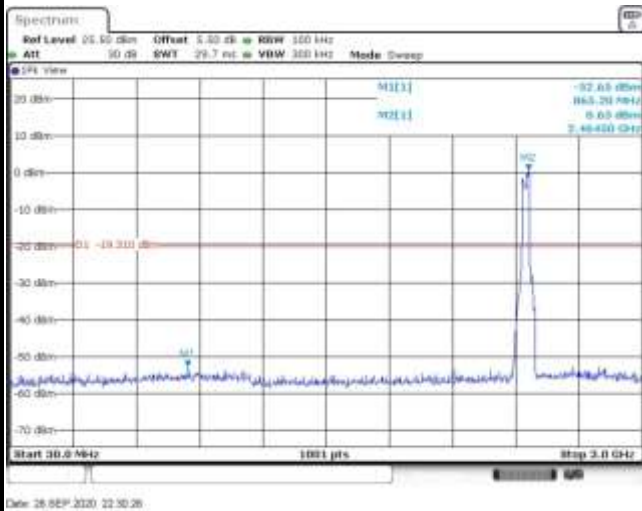
100kHz PSD reference Level



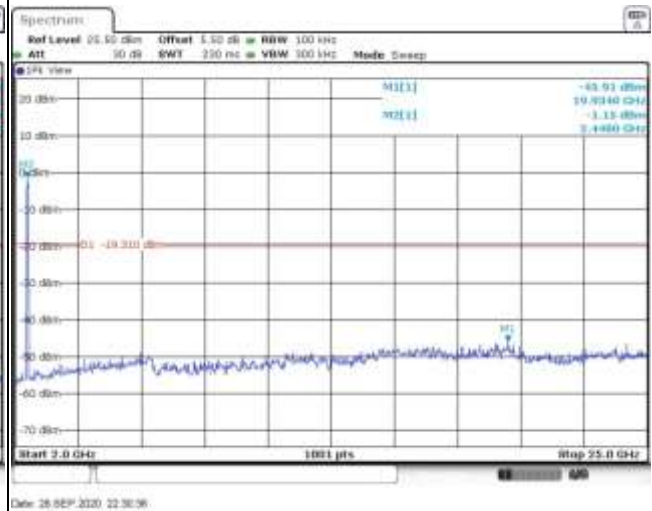
Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz





3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.



3.5.3 Test Procedures

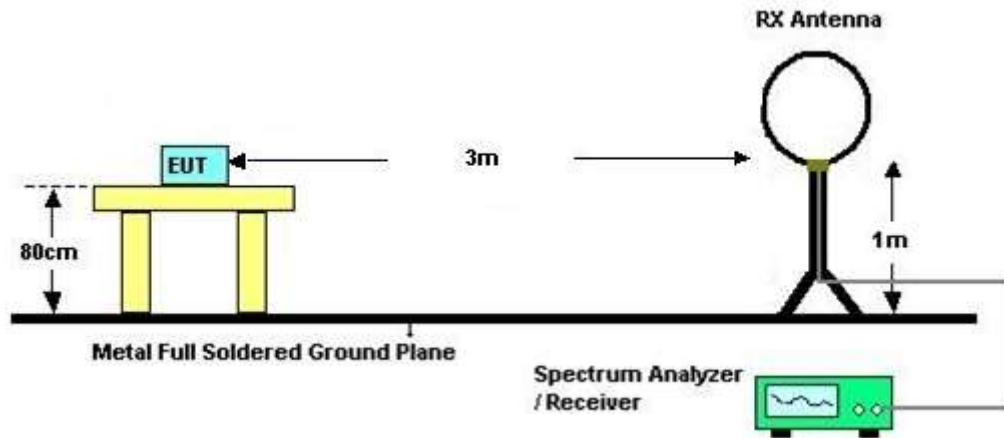
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

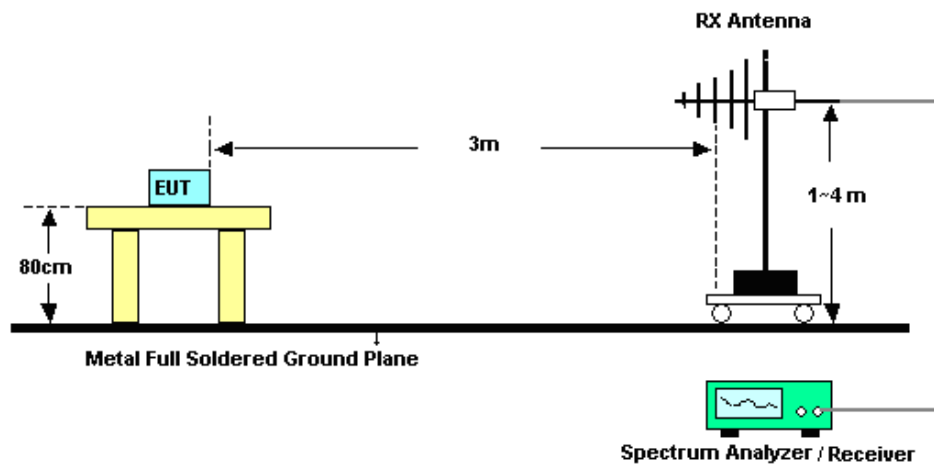
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

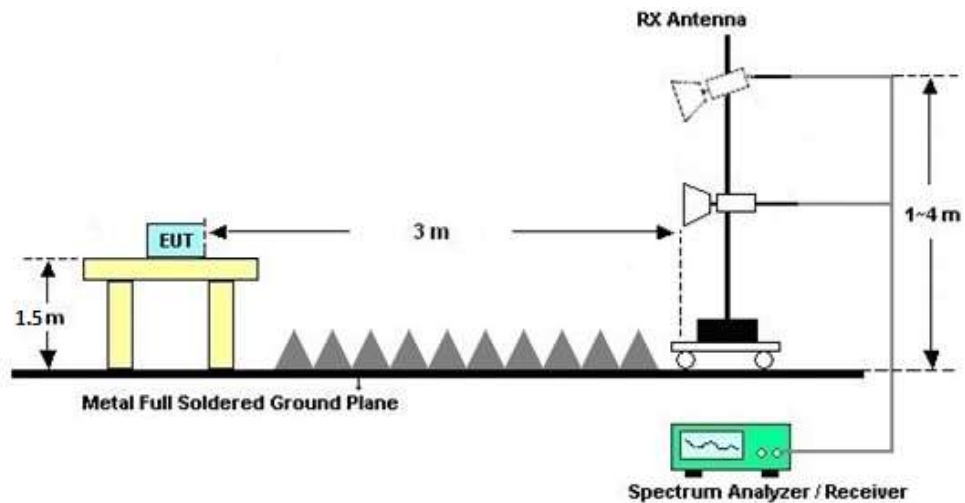
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.5.7 Duty Cycle

Please refer to Appendix C.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Nov. 02, 2019	Sep. 28, 2020~ Oct. 10, 2020	Nov. 01, 2020	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 15, 2020	Sep. 28, 2020~ Oct. 10, 2020	Jan. 14, 2021	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 08, 2020	Sep. 28, 2020~ Oct. 10, 2020	Jan. 07, 2021	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 18, 2019	Sep. 26, 2020	Oct. 17, 2020	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz~44GHz, MAX 30dB	Apr. 15, 2020	Sep. 26, 2020	Apr. 14, 2021	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 10, 2019	Sep. 26, 2020	Nov. 09, 2020	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz~1GHz	May. 30, 2020	Sep. 26, 2020	May. 29, 2021	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 26, 2020	Sep. 26, 2020	Apr. 25, 2021	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2019	Sep. 26, 2020	Nov. 09, 2020	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz~1GHz	Apr. 14, 2020	Sep. 26, 2020	Apr. 13, 2021	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 08, 2020	Sep. 26, 2020	Jan. 07, 2021	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz~18Ghz	Oct. 18, 2019	Sep. 26, 2020	Oct. 17, 2020	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 18, 2019	Sep. 26, 2020	Oct. 17, 2020	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Sep. 26, 2020	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Sep. 26, 2020	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Sep. 26, 2020	NCR	Radiation (03CH05-KS)

NCR: No Calibration Required



5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Appendix A. Conducted Test Results

A1 - DTS Part

Test Engineer:	rise liu	Temperature:	21~25	°C
Test Date:	2020/9/28~2020/10/10	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
11b	1Mbps	1	1	2412	13.74	9.03	0.50	Pass
11b	1Mbps	1	6	2437	13.49	8.55	0.50	Pass
11b	1Mbps	1	11	2462	13.44	8.07	0.50	Pass
11g	6Mbps	1	1	2412	18.73	16.34	0.50	Pass
11g	6Mbps	1	6	2437	18.38	16.32	0.50	Pass
11g	6Mbps	1	11	2462	18.68	16.30	0.50	Pass
HT20	MCS0	1	1	2412	18.58	16.34	0.50	Pass
HT20	MCS0	1	6	2437	18.28	16.36	0.50	Pass
HT20	MCS0	1	11	2462	18.63	16.34	0.50	Pass
HT40	MCS0	1	3	2422	36.56	35.13	0.50	Pass
HT40	MCS0	1	6	2437	36.36	35.13	0.50	Pass
HT40	MCS0	1	9	2452	37.26	35.49	0.50	Pass

TEST RESULTS DATA
Peak Power Table

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
11b	1Mbps	1	1	2412	17.76	30.00	2.20	19.96	36.00	Pass
11b	1Mbps	1	6	2437	18.09	30.00	2.20	20.29	36.00	Pass
11b	1Mbps	1	11	2462	18.67	30.00	2.20	20.87	36.00	Pass
11g	6Mbps	1	1	2412	21.35	30.00	2.20	23.55	36.00	Pass
11g	6Mbps	1	6	2437	21.71	30.00	2.20	23.91	36.00	Pass
11g	6Mbps	1	11	2462	21.65	30.00	2.20	23.85	36.00	Pass
HT20	MCS0	1	1	2412	21.23	30.00	2.20	23.43	36.00	Pass
HT20	MCS0	1	6	2437	21.75	30.00	2.20	23.95	36.00	Pass
HT20	MCS0	1	11	2462	21.82	30.00	2.20	24.02	36.00	Pass
HT40	MCS0	1	3	2422	22.71	30.00	2.20	24.91	36.00	Pass
HT40	MCS0	1	6	2437	22.26	30.00	2.20	24.46	36.00	Pass
HT40	MCS0	1	9	2452	22.21	30.00	2.20	24.41	36.00	Pass

TEST RESULTS DATA
Average Power Table
(Reporting Only)

2.4GHz Band						
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)
11b	1Mbps	1	1	2412	0.00	15.27
11b	1Mbps	1	6	2437	0.00	15.23
11b	1Mbps	1	11	2462	0.00	15.80
11g	6Mbps	1	1	2412	0.05	12.98
11g	6Mbps	1	6	2437	0.05	12.59
11g	6Mbps	1	11	2462	0.05	13.28
HT20	MCS0	1	1	2412	0.05	12.90
HT20	MCS0	1	6	2437	0.05	12.58
HT20	MCS0	1	11	2462	0.05	13.49
HT40	MCS0	1	3	2422	0.05	13.92
HT40	MCS0	1	6	2437	0.05	13.71
HT40	MCS0	1	9	2452	0.05	14.42

TEST RESULTS DATA
Peak Power Density

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
11b	1Mbps	1	1	2412	-7.69	2.20	8.00	Pass
11b	1Mbps	1	6	2437	-7.30	2.20	8.00	Pass
11b	1Mbps	1	11	2462	-7.24	2.20	8.00	Pass
11g	6Mbps	1	1	2412	-12.32	2.20	8.00	Pass
11g	6Mbps	1	6	2437	-12.52	2.20	8.00	Pass
11g	6Mbps	1	11	2462	-12.24	2.20	8.00	Pass
HT20	MCS0	1	1	2412	-12.38	2.20	8.00	Pass
HT20	MCS0	1	6	2437	-11.08	2.20	8.00	Pass
HT20	MCS0	1	11	2462	-11.41	2.20	8.00	Pass
HT40	MCS0	1	3	2422	-13.82	2.20	8.00	Pass
HT40	MCS0	1	6	2437	-15.04	2.20	8.00	Pass
HT40	MCS0	1	9	2452	-14.07	2.20	8.00	Pass



Appendix B. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2362.13	54.67	-19.33	74	47.71	31.18	7.44	31.66	296	128	P	H
		2389.82	43.92	-10.08	54	36.87	31.2	7.5	31.65	296	128	A	H
	*	2414	95.5	-	-	88.31	31.31	7.53	31.65	296	128	P	H
	*	2414	92.47	-	-	85.28	31.31	7.53	31.65	296	128	A	H
		2349.91	55.38	-18.62	74	48.47	31.17	7.41	31.67	155	172	P	V
		2389.95	44.08	-9.92	54	37.03	31.2	7.5	31.65	155	172	A	V
	*	2414	98.11	-	-	90.92	31.31	7.53	31.65	155	172	P	V
	*	2414	95.02	-	-	87.83	31.31	7.53	31.65	155	172	A	V
802.11b CH 11 2462MHz		2486.62	56.53	-17.47	74	48.7	31.77	7.64	31.58	124	0	P	H
		2483.5	46.19	-7.81	54	38.36	31.77	7.64	31.58	124	0	A	H
	*	2462	95.04	-	-	87.37	31.66	7.61	31.6	124	0	P	H
	*	2462	91.76	-	-	84.09	31.66	7.61	31.6	124	0	A	H
		2487.4	57.43	-16.57	74	49.6	31.77	7.64	31.58	100	166	P	V
		2487.28	48.14	-5.86	54	40.31	31.77	7.64	31.58	100	166	A	V
	*	2462	98.34	-	-	90.67	31.66	7.61	31.6	100	166	P	V
	*	2464	95.26	-	-	87.59	31.66	7.61	31.6	100	166	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	42.11	-31.89	74	57.63	33.72	10.8	60.04	300	0	P	H
		4824	47.24	-26.76	74	62.76	33.72	10.8	60.04	300	360	P	V
802.11b CH 06 2437MHz		4872	43.3	-30.7	74	58.69	33.77	10.87	60.03	300	0	P	H
		7308	42.59	-31.41	74	53.86	35.86	13.38	60.51	300	0	P	H
		4872	47.95	-26.05	74	63.34	33.77	10.87	60.03	300	360	P	V
		7308	42.57	-31.43	74	53.84	35.86	13.38	60.51	300	360	P	V
802.11b CH 11 2462MHz		4926	41.33	-32.67	74	56.59	33.82	10.94	60.02	300	0	P	H
		7386	43.2	-30.8	74	54.26	36.01	13.46	60.53	300	0	P	H
		4926	41.43	-32.57	74	56.69	33.82	10.94	60.02	300	360	P	V
		7386	43.43	-30.57	74	54.49	36.01	13.46	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.82	58.92	-15.08	74	51.87	31.2	7.5	31.65	293	128	P	H
		2389.95	45.54	-8.46	54	38.49	31.2	7.5	31.65	293	128	A	H
	*	2420	97.57	-	-	90.21	31.43	7.56	31.63	293	128	P	H
	*	2418	88.96	-	-	81.75	31.31	7.53	31.63	293	128	A	H
		2389.95	62.39	-11.61	74	55.34	31.2	7.5	31.65	132	170	P	V
		2389.95	47.61	-6.39	54	40.56	31.2	7.5	31.65	132	170	A	V
	*	2418	100.41	-	-	93.2	31.31	7.53	31.63	132	170	P	V
	*	2418	91.82	-	-	84.61	31.31	7.53	31.63	132	170	A	V
802.11g CH 11 2462MHz		2483.5	57.43	-16.57	74	49.6	31.77	7.64	31.58	118	360	P	H
		2483.5	46.3	-7.7	54	38.47	31.77	7.64	31.58	118	360	A	H
	*	2466	92.07	-	-	84.4	31.66	7.61	31.6	118	360	P	H
	*	2466	83.61	-	-	75.94	31.66	7.61	31.6	118	360	A	H
		2483.86	63.06	-10.94	74	55.23	31.77	7.64	31.58	100	174	P	V
		2483.5	50.08	-3.92	54	42.25	31.77	7.64	31.58	100	174	A	V
	*	2466	96.86	-	-	89.19	31.66	7.61	31.6	100	174	P	V
	*	2466	88.8	-	-	81.13	31.66	7.61	31.6	100	174	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	40.05	-33.95	74	55.57	33.72	10.8	60.04	300	0	P	H
		4824	43.13	-30.87	74	58.65	33.72	10.8	60.04	300	360	P	V
802.11g CH 06 2437MHz		4872	40.97	-33.03	74	56.36	33.77	10.87	60.03	300	0	P	H
		7308	42.87	-31.13	74	54.14	35.86	13.38	60.51	300	0	P	H
		4872	44.09	-29.91	74	59.48	33.77	10.87	60.03	300	360	P	V
		7308	43.03	-30.97	74	54.3	35.86	13.38	60.51	300	360	P	V
802.11g CH 11 2462MHz		4926	40.08	-33.92	74	55.34	33.82	10.94	60.02	300	0	P	H
		7386	42.93	-31.07	74	53.99	36.01	13.46	60.53	300	0	P	H
		4926	40.18	-33.82	74	55.44	33.82	10.94	60.02	300	360	P	V
		7386	42.63	-31.37	74	53.69	36.01	13.46	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.82	62.49	-11.51	74	55.44	31.2	7.5	31.65	292	128	P	H
		2389.95	46.56	-7.44	54	39.51	31.2	7.5	31.65	292	128	A	H
	*	2420	97.93	-	-	90.57	31.43	7.56	31.63	292	128	P	H
	*	2420	89.71	-	-	82.35	31.43	7.56	31.63	292	128	A	H
		2389.95	64.38	-9.62	74	57.33	31.2	7.5	31.65	130	170	P	V
		2389.95	49.77	-4.23	54	42.72	31.2	7.5	31.65	130	170	A	V
	*	2420	99.66	-	-	92.3	31.43	7.56	31.63	130	170	P	V
	*	2420	92.27	-	-	84.91	31.43	7.56	31.63	130	170	A	V
802.11n HT20 CH 11 2462MHz		2484.04	59.6	-14.4	74	51.77	31.77	7.64	31.58	400	16	P	H
		2483.5	49.52	-4.48	54	41.69	31.77	7.64	31.58	400	16	A	H
	*	2466	91.63	-	-	83.96	31.66	7.61	31.6	400	16	P	H
	*	2466	83.43	-	-	75.76	31.66	7.61	31.6	400	16	A	H
		2483.8	65.38	-8.62	74	57.55	31.77	7.64	31.58	100	166	P	V
		2483.5	50.87	-3.13	54	43.04	31.77	7.64	31.58	100	166	A	V
	*	2468	95.75	-	-	88.08	31.66	7.61	31.6	100	166	P	V
	*	2466	87.53	-	-	79.86	31.66	7.61	31.6	100	166	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	39.37	-34.63	74	54.89	33.72	10.8	60.04	300	0	P	H
		4824	39.77	-34.23	74	55.29	33.72	10.8	60.04	300	360	P	V
802.11n HT20 CH 06 2437MHz		4872	40.63	-33.37	74	56.02	33.77	10.87	60.03	300	0	P	H
		7308	43.62	-30.38	74	54.89	35.86	13.38	60.51	300	0	P	H
		4872	43.01	-30.99	74	58.4	33.77	10.87	60.03	300	360	P	V
		7308	43.11	-30.89	74	54.38	35.86	13.38	60.51	300	360	P	V
802.11n HT20 CH 11 2462MHz		4926	40.17	-33.83	74	55.43	33.82	10.94	60.02	300	0	P	H
		7386	43.29	-30.71	74	54.35	36.01	13.46	60.53	300	0	P	H
		4926	40.07	-33.93	74	55.33	33.82	10.94	60.02	300	360	P	V
		7386	42.65	-31.35	74	53.71	36.01	13.46	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2389.95	57.8	-16.2	74	50.75	31.2	7.5	31.65	125	143	P	H
		2389.95	45.18	-8.82	54	38.13	31.2	7.5	31.65	125	143	A	H
	*	2428	95.43	-	-	88.07	31.43	7.56	31.63	125	143	P	H
	*	2424	86.86	-	-	79.5	31.43	7.56	31.63	125	143	A	H
		2498.2	56.01	-17.99	74	48.01	31.89	7.67	31.56	125	143	P	H
		2483.5	44.96	-9.04	54	37.13	31.77	7.64	31.58	125	143	A	H
		2389.82	62.94	-11.06	74	55.89	31.2	7.5	31.65	108	169	P	V
		2389.95	49.18	-4.82	54	42.13	31.2	7.5	31.65	108	169	A	V
	*	2426	99.25	-	-	91.89	31.43	7.56	31.63	108	169	P	V
	*	2426	90.9	-	-	83.54	31.43	7.56	31.63	108	169	A	V
		2485.66	56.51	-17.49	74	48.68	31.77	7.64	31.58	108	169	P	V
		2483.5	45.52	-8.48	54	37.69	31.77	7.64	31.58	108	169	A	V
802.11n HT40 CH 06 2437MHz		2389.82	55.62	-18.38	74	48.57	31.2	7.5	31.65	104	16	P	H
		2389.95	44.42	-9.58	54	37.37	31.2	7.5	31.65	104	16	A	H
	*	2430	95.15	-	-	87.79	31.43	7.56	31.63	104	16	P	H
	*	2426	86.88	-	-	79.52	31.43	7.56	31.63	104	16	A	H
		2483.74	57.65	-16.35	74	49.82	31.77	7.64	31.58	104	16	P	H
		2483.5	45.43	-8.57	54	37.6	31.77	7.64	31.58	104	16	A	H
		2389.56	60.6	-13.4	74	53.55	31.2	7.5	31.65	110	169	P	V
		2389.95	45.85	-8.15	54	38.8	31.2	7.5	31.65	110	169	A	V
	*	2426	99.5	-	-	92.14	31.43	7.56	31.63	110	169	P	V
	*	2426	91.4	-	-	84.04	31.43	7.56	31.63	110	169	A	V
		2483.86	60.19	-13.81	74	52.36	31.77	7.64	31.58	110	169	P	V
		2483.5	46.21	-7.79	54	38.38	31.77	7.64	31.58	110	169	A	V



802.11n HT40 CH 09 2452MHz		2357.06	55.49	-18.51	74	48.54	31.18	7.44	31.67	285	128	P	H
		2389.56	43.8	-10.2	54	36.75	31.2	7.5	31.65	285	128	A	H
	*	2438	88.94	-	-	81.43	31.54	7.58	31.61	285	128	P	H
	*	2438	80.73	-	-	73.22	31.54	7.58	31.61	285	128	A	H
		2485.3	57.98	-16.02	74	50.15	31.77	7.64	31.58	285	128	P	H
		2483.62	45.85	-8.15	54	38.02	31.77	7.64	31.58	285	128	A	H
		2376.69	54.96	-19.04	74	47.96	31.19	7.47	31.66	100	166	P	V
		2389.82	43.87	-10.13	54	36.82	31.2	7.5	31.65	100	166	A	V
	*	2466	93.78	-	-	86.11	31.66	7.61	31.6	100	166	P	V
	*	2464	84.81	-	-	77.14	31.66	7.61	31.6	100	166	A	V
		2483.74	65.33	-8.67	74	57.5	31.77	7.64	31.58	100	166	P	V
		2485.36	50.07	-3.93	54	42.24	31.77	7.64	31.58	100	166	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		4842	40.99	-33.01	74	56.47	33.73	10.82	60.03	300	0	P	H
HT40		7266	42.24	-31.76	74	53.6	35.8	13.35	60.51	300	0	P	H
CH 03		4842	40.28	-33.72	74	55.76	33.73	10.82	60.03	300	360	P	V
2422MHz		7266	42.19	-31.81	74	53.55	35.8	13.35	60.51	300	360	P	V
802.11n		4872	40.94	-33.06	74	56.33	33.77	10.87	60.03	300	0	P	H
HT40		7308	42.58	-31.42	74	53.85	35.86	13.38	60.51	300	0	P	H
CH 06		4872	42.35	-31.65	74	57.74	33.77	10.87	60.03	300	360	P	V
2437MHz		7308	43.08	-30.92	74	54.35	35.86	13.38	60.51	300	360	P	V
802.11n		4902	40.93	-33.07	74	56.24	33.8	10.91	60.02	300	0	P	H
HT40		7356	43.17	-30.83	74	54.31	35.95	13.43	60.52	300	0	P	H
CH 09		4902	40.14	-33.86	74	55.45	33.8	10.91	60.02	300	360	P	V
2452MHz		7356	43.3	-30.7	74	54.44	35.95	13.43	60.52	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		30	18.52	-21.48	40	24.38	25.1	1.24	32.2	-	-	P	H
		75.59	24.65	-15.35	40	41.78	13.1	1.97	32.2	-	-	P	H
		80.44	24.86	-15.14	40	41.44	13.6	2.02	32.2	100	0	P	H
		115.36	24	-19.5	43.5	36.42	17.33	2.42	32.17	-	-	P	H
		249.22	26.88	-19.12	46	36.64	18.88	3.56	32.2	-	-	P	H
		749.74	25.71	-20.29	46	23.66	28.2	6.15	32.3	-	-	P	H
		39.7	25.59	-14.41	40	36.48	19.8	1.43	32.12	-	-	P	V
		60.07	28.2	-11.8	40	46.65	11.9	1.75	32.1	-	-	P	V
		80.44	28.51	-11.49	40	45.09	13.6	2.02	32.2	100	0	P	V
		258.92	22.01	-23.99	46	30.3	20.26	3.63	32.18	-	-	P	V
		365.62	22.58	-23.42	46	29.59	20.91	4.31	32.23	-	-	P	V
		894.27	27.15	-18.85	46	23.53	29.12	6.72	32.22	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

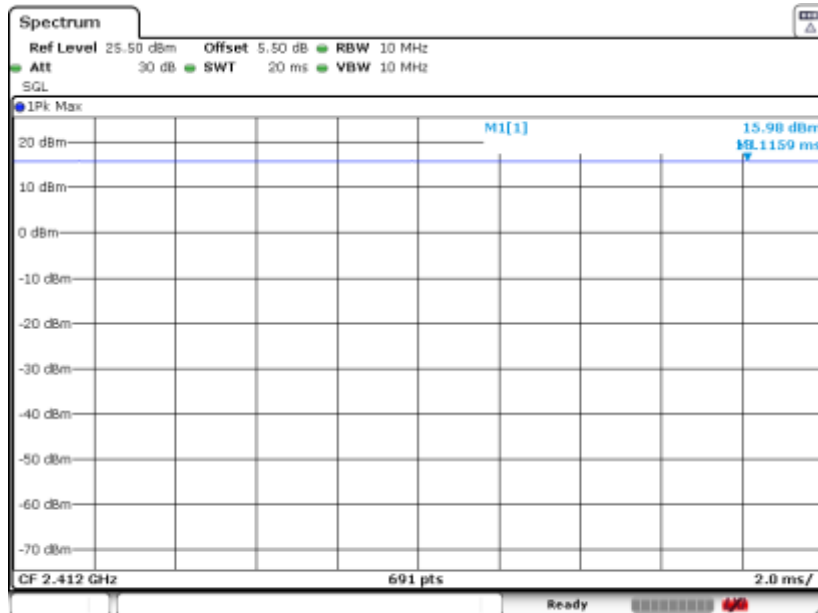


Appendix C. Duty Cycle Plots

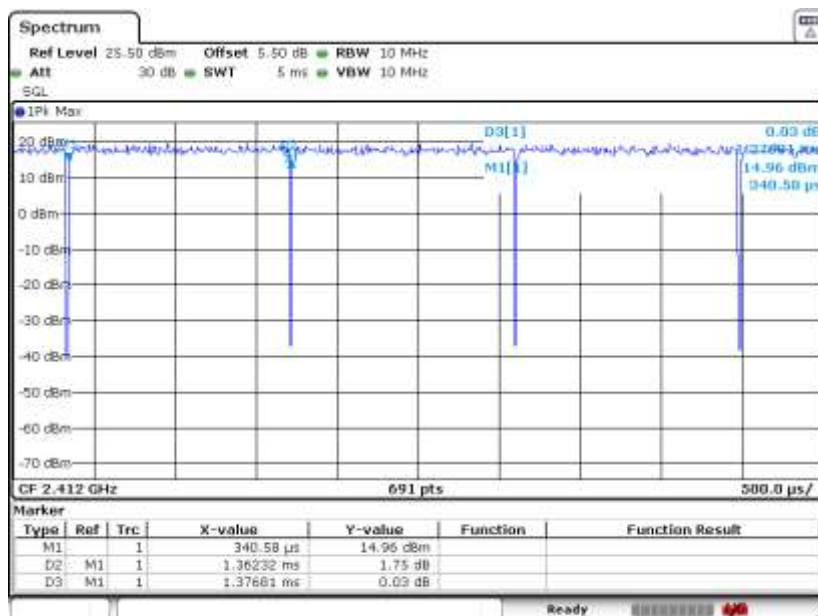
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	99.16	-	-	10Hz
802.11n HT20	98.88	-	-	10Hz
802.11n HT40	98.84	-	-	10Hz



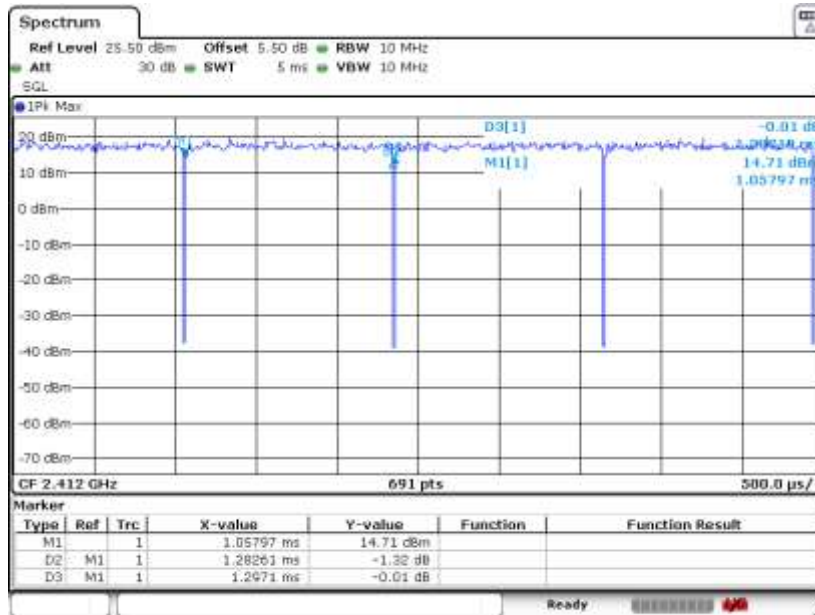
802.11b



802.11g



802.11n HT20



802.11n HT40

