

TEST REPORT

FCC DTS Test for SOLiD WIFI
Class II Permissive Change

APPLICANT
SOLiD, Inc.

REPORT NO.
HCT-RF-2510-FC002-R2

DATE OF ISSUE
November 21, 2025

Tested by
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Applicant**SOLiD,Inc.**

10, 9th Floor, SOLiD Space, 220, Pangyoyeok-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do, Republic of Korea, 13493

Product Name

SOLiD WIFI

Model Name

SOLiD WIFI

FCC ID

W6UWIFI

Date of Test

September 18, 2025 ~ October 02, 2025

FCC Classification

Digital Transmission System(DTS)

Test Standard Used

FCC Rule Part(s): Part 15.247

Test Results

PASS

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	October 02, 2025	Initial Release
1	October 24, 2025	Added Section 1.1 to describe information regarding the host device.
2	November 21, 2025	- Corrected a typo in the data rate for Section 9.1, Average Power. - Revised the names for 'Tilt: On' and 'Tilt: Off'. - Added description in Section 1 on Max. RF Output Power and in Section 8 Notes regarding the relationship between the original(FCC ID: XPYLILYW1) report's output power and the trace loss.

Notice

Content

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. EUT DESCRIPTION

Model	SOLiD WIFI	
Additional Model	-	
EUT Type	SOLiD WIFI	
Power Supply	3.3 V DC	
Frequency Range	2 412 MHz ~ 2 462 MHz	
Max. RF Output Power	Peak Power	20.9 dBm
	The values above are the original(FCC ID: XPYLILYW1) output power values, and the values below are the measured values resulting from the trace loss.	
	Average Power	1.64 dBm
	Peak Power	6.40 dBm
Modulation Type	DSSS/CCK : 802.11b OFDM : 802.11g, 802.11n	
Number of Channels	11 Channels	
Antenna Specification	Type: Reverse SMA (Male)	
Serial number	0110M786G01XXXXXXXX	

1.1 HOST DEVICE INFORMATION

Host Device	SOLID BARS HERU : The Wi-Fi module is mounted exclusively on the Head End (HE) board of the SOLID BARS HERU host system.
Test Sample	HE
Power Supply	AC 90–264 V, 47–63 Hz
Serial number	01110M786G0125300001

2. TEST METHODOLOGY

FCC KDB 558074 D01 15.247 Meas Guidance v05r02 dated April 02, 2019 entitled “guidance for compliance measurements on digital transmission system, frequency hopping spread spectrum system, and hybrid system devices and the measurement procedure described in ANSI C63.10 (Version : 2020) ‘the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices’.

2.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

2.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2020) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

According to the requirements in Section 6.3 ~ Section 6.6 of ANSI C63.10. (Version: 2020), The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5 m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes.

2.4 DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

3. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment's, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

4. FACILITIES AND ACCREDITATIONS

4.1 FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated March 11, 2024 (Registration Number: KR0032).

4.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5. ANTENNA REQUIREMENTS

According to FCC 47 CFR § 15.203:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. 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 provisions of this section.”

- (1) The antennas of this E.U.T are permanently attached.
- (2) The E.U.T Complies with the requirement of § 15.203

6. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2020.

All measurement uncertainty values are shown with a coverage factor of $k=2$ to indicate a 95 % level of confidence.

The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty ($\pm$)
X dB, 99% Bandwidth	95 kHz
Frequency stability	28 kHz
Conducted Disturbance (150 kHz ~ 30 MHz)	1.54 dB
Conducted Output Power(Power Meter)	0.54 dB
Conducted Output Power(Signal Analyzer)	0.68 dB
Power Spectral Density	1.03 dB
Band Edge (Out of Band Emissions)	0.70 dB
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 dB
Radiated Disturbance (30 MHz ~ 1 GHz)	5.68 dB
Radiated Disturbance (1 GHz ~ 18 GHz)	5.75 dB
Radiated Disturbance (18 GHz ~ 40 GHz)	5.82 dB

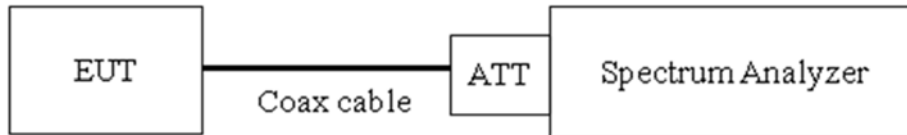
Coverage factor $k=2$, Confidence level of 95 %

7. DESCRIPTION OF TESTS

Test Item	Test Procedure
Duty Cycle	- ANSI C63.10-2020 – Section 11.6
6 dB Bandwidth	- ANSI C63.10-2020 – Section 11.8
Output Power	- ANSI C63.10-2020 – Section 11.9.1.2(Peak) & 11.9.2.3(Avg)
Power Spectral Density	- ANSI C63.10-2020 – Section 11.10
Conducted Band Edge (Out of Band Emissions) & Conducted Spurious Emissions	- ANSI C63.10-2020– Section 11.11
Radiated Test	- ANSI C63.10-2020 – Section 6.4 (Below 30 MHz) - ANSI C63.10-2020 – Section 6.5 (30 MHz to 1000 MHz) - ANSI C63.10-2020 – Section 6.6 (1 GHz to 40 GHz) - ANSI C63.10-2020 – Section 6.10 & 11.12 (Restricted frequency bands)
AC Power line Conducted Emissions	- ANSI C63.10-2020– Section 6.2

7.1 Duty Cycle

Test Configuration



Test Procedure

We tested according to the zero-span measurement method.

The largest available value of RBW is 8 MHz and VBW is 50 MHz.

The zero-span method of measuring duty cycle shall not be used if $T \leq 6.25$ microseconds. ($50/6.25 = 8$)

The zero-span method was used because all measured T data are > 6.25 microseconds and both RBW and VBW are $> 50/T$.

The transmitter output is connected to the Spectrum Analyzer.

The Spectrum Analyzer is set to

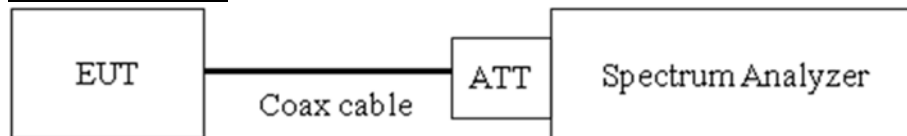
- 1) RBW = 8 MHz (the largest available value)
- 2) VBW = 8 MHz or 50 MHz ($\geq$ RBW)
- 3) SPAN = 0 Hz
- 4) Detector = Average
- 5) Number of points in sweep > 100
- 6) Trace mode = Clear write
- 7) Measure T_{total} and T_{on}
- 8) Calculate Duty Cycle = T_{on} / T_{total} and Duty Cycle Factor = $10\log(1/\text{Duty Cycle})$

7.2 6 dB Bandwidth

Limit

The minimum permissible 6 dB bandwidth is 500 kHz.

Test Configuration



Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

The Spectrum Analyzer is set to RBW = 100 kHz

- 1) RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- 2) VBW $\geq 3 \times$ RBW
- 3) Detector = Peak
- 4) Trace mode = max hold
- 5) Sweep = No faster than coupled (auto) time.
- 6) Allow the trace to stabilize
- 7) We tested 6 dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer. X dB is set 6 dB.

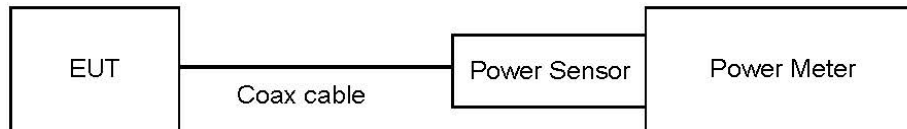
Note: We tested OBW using the automatic bandwidth measurement capability of a spectrum analyzer.

7.3 Output Power

Limit

The maximum permissible conducted output power is 1 Watt.

Test Configuration



Test Procedure

The transmitter output is connected to the Power Meter.

- Peak Power
 - : Measure the peak power of the transmitter.
- Average Power
 - 1) Measure the duty cycle.
 - 2) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
 - 3) Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Sample Calculation

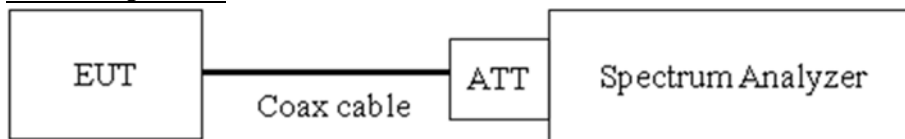
- Conducted Output Power(Peak) = Measured Value + ATT loss + Cable loss
- Conducted Output Power(Average) = Measured Value + ATT loss + Cable loss + Duty Cycle Factor

7.4 Power Spectral Density

Limit

The transmitter power density average over 1-second interval shall not be greater than 8 dBm in any 3 kHz BW.

Test Configuration



Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

The spectrum analyzer is set to :

- 1) Set analyzer center frequency to DTS channel center frequency.
- 2) Set span to at least 1.5 times the DTS bandwidth.
- 3) $RBW = 3 \text{ kHz} \leq RBW \leq 100 \text{ kHz}$.
- 4) $VBW \geq 3 \times RBW$.
- 5) Sweep = No faster than coupled (auto) time.
- 6) Detector = Peak.
- 7) Trace mode = max hold.
- 8) Allow trace to fully stabilize.
- 9) Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Sample Calculation

- Power Spectral Density = Measured Value + ATT loss + Cable loss

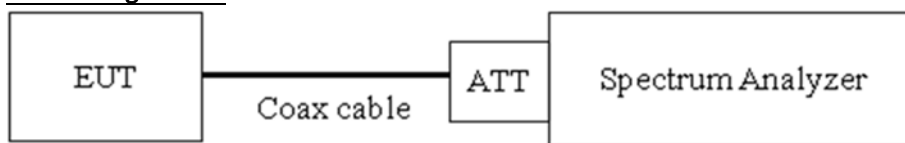
7.5 Conducted Band Edge(Out of Band Emissions) & Conducted Spurious Emissions

Limit

The maximum conducted (Peak) output power was used to demonstrate compliance, then the peak power 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.

[Conducted > 20 dBc]

Test Configuration



Test Procedure

The transmitter output is connected to the spectrum analyzer.

The spectrum analyzer is set to :

- 1) RBW = 100 kHz
- 2) VBW $\geq$ 3 x RBW
- 3) Set span to encompass the spectrum to be examined
- 4) Detector = Peak
- 5) Trace Mode = max hold
- 6) Sweep time = No faster than coupled (auto) time.
- 7) Ensure that the number of measurement points $\geq$ 2 x Span/RBW
- 8) Allow trace to fully stabilize.
- 9) Use peak marker function to determine the maximum amplitude level.

Measurements are made over the 30 MHz to 25 GHz range with the transmitter set to the lowest, middle, and highest channels.

Factors for frequency

Freq(MHz)	Factor(dB)
30	9.99
100	10.00
200	10.10
300	10.17
400	10.14
500	10.22
600	10.20
700	10.23
800	10.28
900	10.34
1000	10.34
2000	10.61
2400	10.64
2500	10.66
3000	10.83
4000	10.31
5000	11.98
6000	11.29
7000	11.20
8000	11.24
9000	11.41
10000	12.12
11000	11.85
12000	11.95
13000	11.78
14000	12.20
15000	12.73
16000	12.18
17000	11.97
18000	12.13
19000	12.27
20000	12.33
21000	12.28
22000	12.70
23000	12.87
24000	12.67
25000	12.81
26000	13.14

Notes:

- 2400 ~ 2500 MHz is fundamental frequency range.
- Factor = Attenuator loss + Cable loss

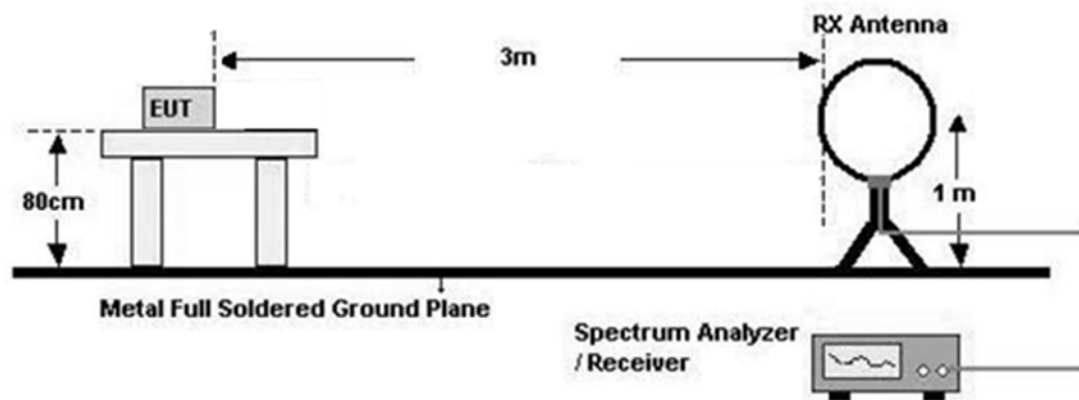
7.6 Radiated Test

Limit

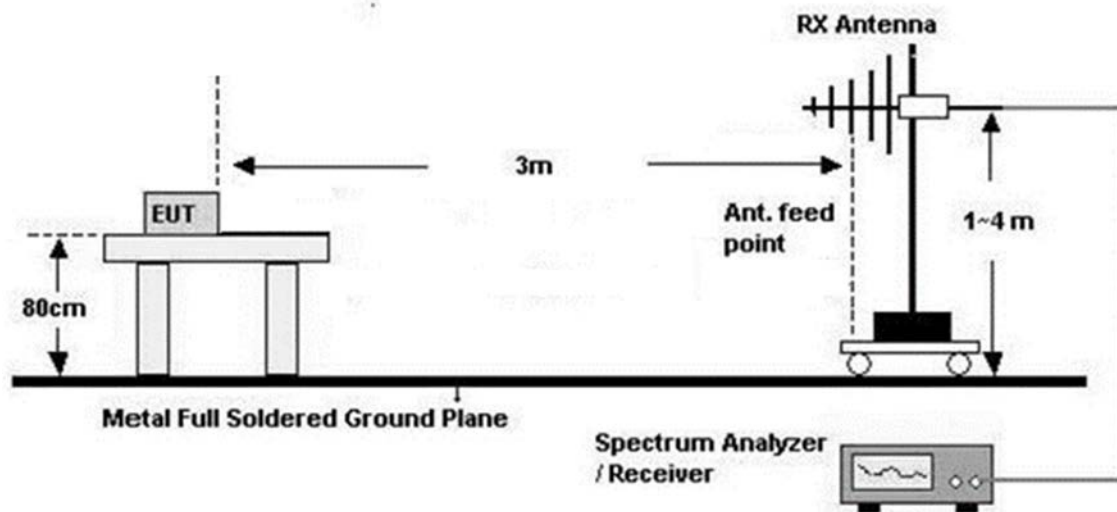
Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

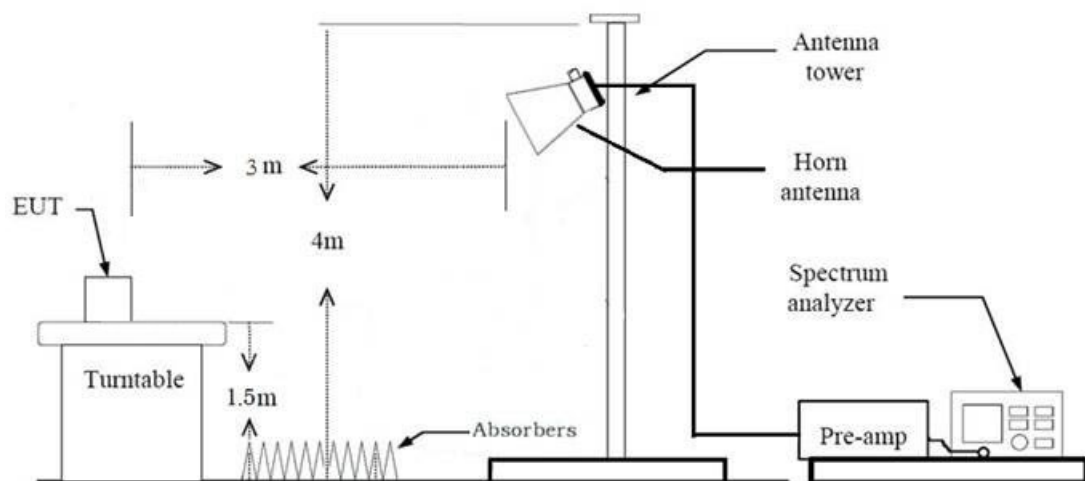
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



Test Procedure of Radiated spurious emissions (Below 30 MHz)

- 1) The EUT was placed on a non-conductive table located on semi-anechoic chamber.
- 2) The loop antenna was placed at a location 3 m from the EUT
- 3) The EUT is placed on a turntable, which is 0.8 m above ground plane.
- 4) We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
- 5) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 6) Distance Correction Factor(0.009 MHz – 0.490 MHz) = $40\log(3 \text{ m}/300 \text{ m}) = -80 \text{ dB}$
Measurement Distance : 3 m
- 7) Distance Correction Factor(0.490 MHz – 30 MHz) = $40\log(3 \text{ m}/30 \text{ m}) = -40 \text{ dB}$
Measurement Distance : 3 m
- 8) Spectrum Setting
 - Frequency Range = 9 kHz ~ 30 MHz
 - Detector = Peak
 - Trace = Max hold
 - RBW = 9 kHz
 - VBW $\geq 3 \times$ RBW
- 9) Total = Measured value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)
- 10) Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

KDB 414788 OFS and Chamber Correlation Justification

Base on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Test Procedure of Radiated spurious emissions (Below 1 GHz)

- 1) The EUT was placed on a non-conductive table located on semi-anechoic chamber.
 - 2) The EUT is placed on a turntable, which is 0.8 m above ground plane.
 - 3) The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1 m to 4 m to find out the highest emissions.
 - 4) We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
 - 5) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
 - 6) Spectrum Setting
 - (i) Measurement Type(Peak):
 - Measured Frequency Range : 30 MHz – 1 GHz
 - Detector = Peak
 - Trace = Max hold
 - RBW = 100 kHz
 - VBW $\geq$ 3 x RBW
 - (ii) Measurement Type(Quasi-peak):
 - Measured Frequency Range : 30 MHz – 1 GHz
 - Detector = Quasi-Peak
 - RBW = 120 kHz
- In general, (i) is used mainly
- 7) Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L)
 - 8) Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

Test Procedure of Radiated spurious emissions (Above 1 GHz)

- 1) The EUT is placed on a turntable, which is 1.5 m above ground plane.
- 2) We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
- 3) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 4) EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
- 5) Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 6) Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 7) Spectrum Setting
 - (i) Measurement Type(Peak):
 - Measured Frequency Range : 1 GHz – 25 GHz
 - Detector = Peak
 - Trace = Maxhold
 - RBW = 1 MHz
 - VBW $\geq$ 3 x RBW
 - (ii) Measurement Type(Average): Duty cycle $\geq$ 98 %
 - Measured Frequency Range : 1 GHz – 25 GHz
 - Detector = RMS
 - Averaging type = power (i.e., RMS)
 - RBW = 1 MHz
 - VBW $\geq$ 3 x RBW
 - Sweep time = auto.
 - Trace mode = average (at least 100 traces).
 - (iii) Measurement Type(Average): Duty cycle < 98 %, duty cycle variations are less than ± 2 %
 - Measured Frequency Range : 1 GHz – 25 GHz
 - Detector = RMS
 - Averaging type = power (i.e., RMS)
 - RBW = 1 MHz
 - VBW $\geq$ 3 x RBW
 - Sweep time = auto.
 - Trace mode = average (at least 100 traces).
 - Correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 % duty cycle.
 - Duty Cycle Factor (dB) : Please refer to the please refer to section 9.1.
- 8) Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already

beyond the background noise floor.

9) Distance extrapolation factor = $20\log(\text{test distance} / \text{specific distance})$ (dB)

10) Total(Measurement Type : Peak)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G) + Distance Factor(D.F)

Total(Measurement Type : Average, Duty cycle $\geq 98\%$)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G) + Distance Factor(D.F)

Total(Measurement Type : Average, Duty cycle $< 98\%$)

= Measured value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G) + Distance Factor(D.F)

+ Duty Cycle Factor

Test Procedure of Radiated Restricted Band Edge

- 1) The EUT is placed on a turntable, which is 1.5 m above ground plane.
- 2) We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
- 3) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 4) EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
- 5) Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 6) Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 7) The unit was tested with its standard battery.
- 8) Spectrum Setting
 - (i) Measurement Type(Peak):
 - Measured Frequency Range : 2310 MHz ~ 2390 MHz / 2483.5 MHz ~ 2500 MHz
 - Detector = Peak
 - Trace = Maxhold
 - RBW = 1 MHz
 - VBW $\geq 3 \times$ RBW
 - (ii) Measurement Type(Average): Duty cycle $\geq 98\%$,
 - Measured Frequency Range : 2310 MHz ~ 2390 MHz / 2483.5 MHz ~ 2500 MHz
 - Detector = RMS
 - Averaging type = power (i.e., RMS)
 - RBW = 1 MHz
 - VBW $\geq 3 \times$ RBW
 - Sweep time = auto.
 - Trace mode = average (at least 100 traces).

(iii) Measurement Type(Average): Duty cycle < 98 %, duty cycle variations are less than ± 2 %

- Measured Frequency Range : 2310 MHz ~ 2390 MHz / 2483.5 MHz ~ 2500 MHz
- Detector = RMS
- Averaging type = power (i.e., RMS)
- RBW = 1 MHz
- VBW $\geq 3 \times$ RBW
- Sweep time = auto.
- Trace mode = average (at least 100 traces).
- Correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 % duty cycle.
- Duty Cycle Factor (dB) : Please refer to the please refer to section 9.1.

9) Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

10) Distance extrapolation factor = $20\log(\text{test distance} / \text{specific distance})$ (dB)

11) Total (Measurement Type : Peak)

= Peak Measured Value

Total(Measurement Type : Average, Duty cycle ≥ 98 %)

= Average Measured Value

Total(Measurement Type : Average, Duty cycle < 98 %)

= Average Measured Value + Duty Cycle Factor

- We apply to the offset in the range 1 GHz - 18 GHz.
- The offset = Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)

7.7 AC Power line Conducted Emissions

Limit

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56 ^(a)	56 to 46 ^(a)
0.50 to 5	56	46
5 to 30	60	50

^(a)Decreases with the logarithm of the frequency.

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Annex A for the actual connections between EUT and support equipment.

Test Procedure

- 1) The EUT is placed on a wooden table 80 cm above the reference ground plane.
- 2) The EUT is connected via LISN to a test power supply.
- 3) The measurement results are obtained as described below:
- 4) Detectors : Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Measured Value + Correction Factor

7.8 Worst case configuration and mode

Radiated test

- 1) All modes of operation were investigated and the worst case configuration results are reported.
- 2) All Antennas of operation were investigated and the worst case results are reported
- 3) All EUT axes were investigated, and the worst-case results are reported for all axes.
- 4) All test was performed with continuous signal.(Duty Cycle $\geq$ 98%)
- 5) All data rate of operation were investigated and the test results are worst case in lowest data rate of each mode.
 - 802.11b : 1 Mbps
 - 802.11g : 6 Mbps
 - 802.11n(HT20): MCS0
- 6) All position of loop antenna were investigated and the test result is a no critical peak found at all positions.
 - Position : Horizontal, Vertical, Parallel to the ground plane
- 7) Radiated Spurious Emission
 - All modes of operation were investigated and the worst case results are reported.
 - Mode: 802.11b, 802.11g, 802.11n(HT20)

Conducted test

- 1) The EUT was configured with data rate of highest power.
- 2) All test was performed with continuous signal.(Duty Cycle $\geq$ 98%)

8. SUMMARY OF TEST RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result	Status
6 dB Bandwidth	§ 15.247(a)(2)	> 500 kHz	Conducted	PASS	Not Tested
Conducted Maximum Output Power	§ 15.247(b)(3)	< 1 Watt		PASS	Comply ^{Note2}
Power Spectral Density	§ 15.247(e)	< 8 dBm / 3 kHz Band		PASS	Not Tested
Band Edge (Out of Band Emissions)	§ 15.247(d)	Conducted > 20 dBc		PASS	Not Tested
AC Power line Conducted Emissions	§ 15.207	cf. Section 7.7		PASS	Not Tested
Radiated Spurious Emissions	15.205, 15.209, § 15.247(d),	cf. Section 7.6	Radiated	PASS	Comply ^{Note3}
Radiated Restricted Band Edge	15.205, 15.209, § 15.247(d),	cf. Section 7.6		PASS	Comply ^{Note3}

Notes:

1. The decision rule applies ‘simple acceptance’
2. Output power was verified to be within the expected tune up tolerances prior to performing spot checks for radiated spurious emissions and band edge emissions, in order to confirm that the proposed changes to the digital circuitry did not adversely affect the values previously reported in the original filing. In addition, the conducted output power measurement was performed using the same PLS settings as the original(FCC ID: XPYLILYW1) test. However, the measured values reflect the trace loss observed at the antenna terminal.
3. The data from that application has been verified through appropriate spot checks to demonstrate this device’s compliance, as shown in the test results of Section 9.

9. TEST RESULT

9.1 OUTPUT POWER

Peak Power

Mode	Frequency [MHz]	Channel No.	Data Rate	Conducted Peak Power [dBm]	Limit [dBm]
802.11b	2412	1	1M	2.69	30
	2437	6	1M	2.66	30
	2462	11	1M	4.64	30
802.11g	2412	1	6M	4.20	30
	2437	6	6M	6.14	30
	2462	11	6M	5.98	30
802.11n	2412	1	MCS0	3.49	30
	2437	6	MCS0	6.40	30
	2462	11	MCS0	3.99	30

Average Power

Mode	Frequency [MHz]	Channel No.	Data Rate	Conducted Average Power [dBm]	Limit [dBm]
802.11b	2412	1	1M	-0.35	30
	2437	6	1M	-0.37	30
	2462	11	1M	1.64	30
802.11g	2412	1	6M	-3.55	30
	2437	6	6M	-1.62	30
	2462	11	6M	-1.77	30
802.11n	2412	1	MCS0	-4.43	30
	2437	6	MCS0	-1.54	30
	2462	11	MCS0	-3.91	30

9.2 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Value	A.F+C.L+D.F	Ant. POL	Total	Limit	Margin
[MHz]	[dBμV/m]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]

No Critical peaks found

Notes:

1. The Measured value of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40\log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBμV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

Frequency	Measured Value	A.F+C.L	Ant. POL	Total	Limit	Margin
[MHz]	[dBμV/m]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]

No Critical peaks found

Note:

Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

[Tilt: Off]

Band : DTS			Operation Mode :		802.11b			
CH.1 2412 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	47.02	0.00	-0.84	V	46.18	73.98	27.80	PK
4824	34.81	0.00	-0.84	V	33.97	53.98	20.01	AV
7236	46.52	0.00	4.72	V	51.24	73.98	22.74	PK
7236	34.15	0.00	4.72	V	38.87	53.98	15.11	AV
4824	46.73	0.00	-0.84	H	45.89	73.98	28.09	PK
4824	35.06	0.00	-0.84	H	34.22	53.98	19.76	AV
7236	45.83	0.00	4.72	H	50.55	73.98	23.43	PK
7236	34.16	0.00	4.72	H	38.88	53.98	15.10	AV

Band : DTS			Operation Mode :		802.11b			
CH.6 2437 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4874	46.29	0.00	-0.80	V	45.49	73.98	28.49	PK
4874	34.01	0.00	-0.80	V	33.21	53.98	20.77	AV
7311	45.24	0.00	4.87	V	50.11	73.98	23.87	PK
7311	33.41	0.00	4.87	V	38.28	53.98	15.70	AV
4874	46.47	0.00	-0.80	H	45.67	73.98	28.31	PK
4874	34.10	0.00	-0.80	H	33.30	53.98	20.68	AV
7311	45.41	0.00	4.87	H	50.28	73.98	23.70	PK
7311	33.49	0.00	4.87	H	38.36	53.98	15.62	AV

Band : DTS			Operation Mode :		802.11b			
CH.11 2462 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4924	45.76	0.00	-0.47	V	45.29	73.98	28.69	PK
4924	33.39	0.00	-0.47	V	32.92	53.98	21.06	AV
7386	45.79	0.00	4.89	V	50.68	73.98	23.30	PK
7386	32.94	0.00	4.89	V	37.83	53.98	16.15	AV
4924	45.36	0.00	-0.47	H	44.89	73.98	29.09	PK
4924	33.39	0.00	-0.47	H	32.92	53.98	21.06	AV
7386	44.46	0.00	4.89	H	49.35	73.98	24.63	PK
7386	33.07	0.00	4.89	H	37.96	53.98	16.02	AV

Band : DTS			Operation Mode :		802.11g			
CH.1 2412MHz			Transfer Rate :		6 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	46.57	0.00	-0.84	H	45.73	73.98	28.25	PK
4824	34.79	0.00	-0.84	H	33.95	53.98	20.03	AV
7236	45.74	0.00	4.72	H	50.46	73.98	23.52	PK
7236	33.99	0.00	4.72	H	38.71	53.98	15.27	AV

Band : DTS			Operation Mode :		802.11n			
CH.1 2412MHz			Transfer Rate :		MCS0			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	46.88	0.00	-0.84	H	46.04	73.98	27.94	PK
4824	34.88	0.00	-0.84	H	34.04	53.98	19.94	AV
7236	45.82	0.00	4.72	H	50.54	73.98	23.44	PK
7236	33.92	0.00	4.72	H	38.64	53.98	15.34	AV

[Tilt: On]

Band : DTS			Operation Mode :		802.11b			
CH.1 2412 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	47.08	0.00	-0.84	V	46.24	73.98	27.74	PK
4824	34.82	0.00	-0.84	V	33.98	53.98	20.00	AV
7236	45.82	0.00	4.72	V	50.54	73.98	23.44	PK
7236	34.22	0.00	4.72	V	38.94	53.98	15.04	AV
4824	46.91	0.00	-0.84	H	46.07	73.98	27.91	PK
4824	35.39	0.00	-0.84	H	34.55	53.98	19.43	AV
7236	45.66	0.00	4.72	H	50.38	73.98	23.60	PK
7236	34.18	0.00	4.72	H	38.90	53.98	15.08	AV
Band : DTS			Operation Mode :		802.11b			
CH.6 2437 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4874	46.33	0.00	-0.80	V	45.53	73.98	28.45	PK
4874	34.04	0.00	-0.80	V	33.24	53.98	20.74	AV
7311	45.40	0.00	4.87	V	50.27	73.98	23.71	PK
7311	33.51	0.00	4.87	V	38.38	53.98	15.60	AV
4874	45.92	0.00	-0.80	H	45.12	73.98	28.86	PK
4874	34.28	0.00	-0.80	H	33.48	53.98	20.50	AV
7311	45.34	0.00	4.87	H	50.21	73.98	23.77	PK
7311	33.51	0.00	4.87	H	38.38	53.98	15.60	AV
Band : DTS			Operation Mode :		802.11b			
CH.11 2462 MHz			Transfer Rate :		1 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4924	45.28	0.00	-0.47	V	44.81	73.98	29.17	PK
4924	33.44	0.00	-0.47	V	32.97	53.98	21.01	AV
7386	44.77	0.00	4.89	V	49.66	73.98	24.32	PK
7386	32.99	0.00	4.89	V	37.88	53.98	16.10	AV
4924	45.46	0.00	-0.47	H	44.99	73.98	28.99	PK
4924	33.39	0.00	-0.47	H	32.92	53.98	21.06	AV
7386	44.85	0.00	4.89	H	49.74	73.98	24.24	PK
7386	33.01	0.00	4.89	H	37.90	53.98	16.08	AV

Band : DTS			Operation Mode :		802.11g			
CH.1 2412MHz			Transfer Rate :		6 Mbps			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	47.58	0.00	-0.84	H	46.74	73.98	27.24	PK
4824	34.80	0.00	-0.84	H	33.96	53.98	20.02	AV
7236	45.54	0.00	4.72	H	50.26	73.98	23.72	PK
7236	33.92	0.00	4.72	H	38.64	53.98	15.34	AV

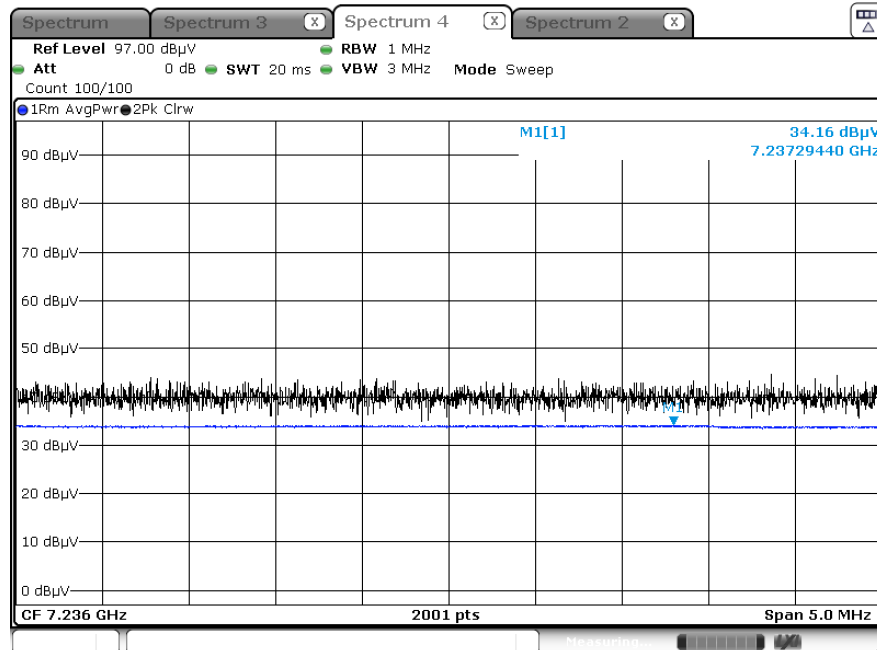
Band : DTS			Operation Mode :		802.11n			
CH.1 2412MHz			Transfer Rate :		MCS0			
Frequency [MHz]	Measured value [dBμV]	D.C.F [dB]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
4824	47.31	0.00	-0.84	H	46.47	73.98	27.51	PK
4824	34.73	0.00	-0.84	H	33.89	53.98	20.09	AV
7236	45.72	0.00	4.72	H	50.44	73.98	23.54	PK
7236	33.86	0.00	4.72	H	38.58	53.98	15.40	AV

Test Plots

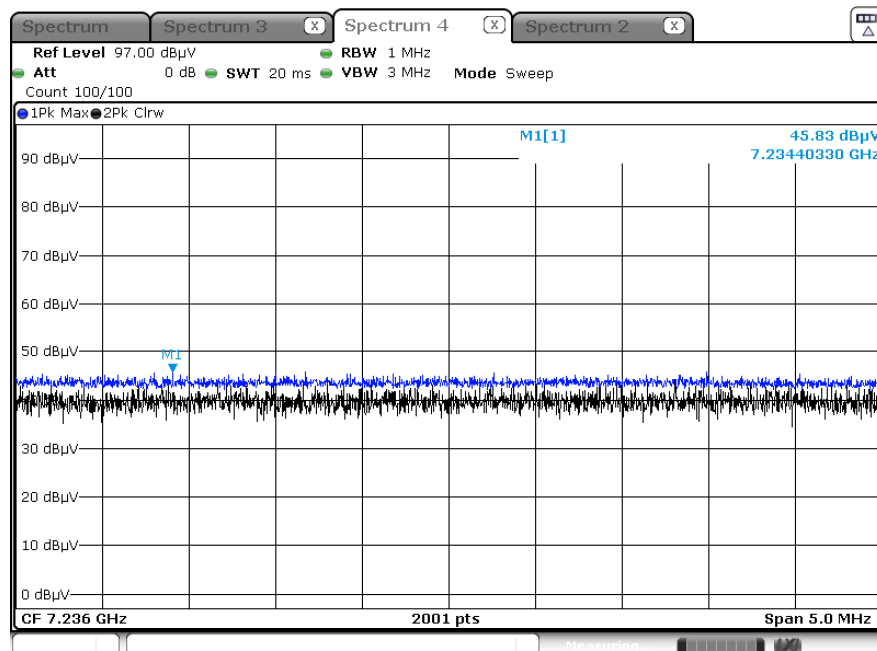
Note: In order to simplify the report, Plots of worst case are only reported.

[Tilt: Off]

Radiated Spurious Emissions plot – Average Result (802.11b_1 Mbps, Ch.1 3rd Harmonic, Y-H)

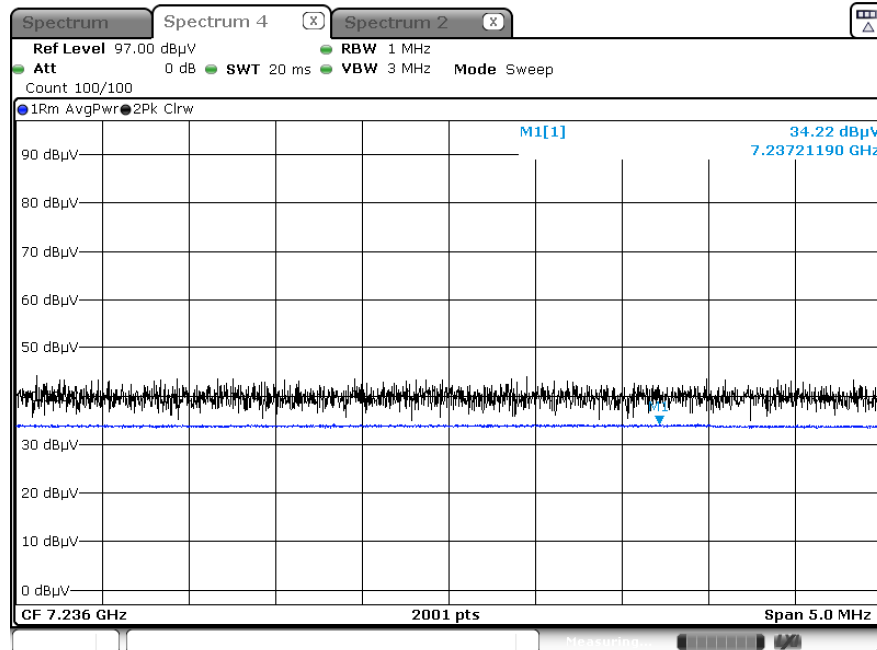


Radiated Spurious Emissions plot – Peak Result (802.11b_1 Mbps, Ch.1 3rd Harmonic, Y-H)

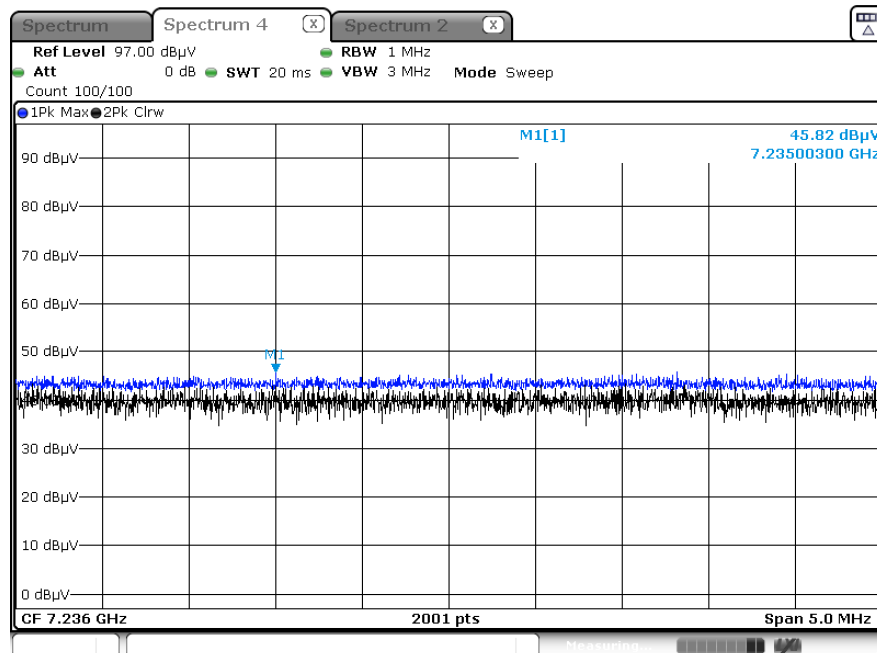


[Tilt: On]

Radiated Spurious Emissions plot – Average Result (802.11b_1 Mbps, Ch.1 3rd Harmonic, X-V)



Radiated Spurious Emissions plot – Peak Result (802.11b_1 Mbps, Ch.1 3rd Harmonic, X-V)



9.3 RADIATED RESTRICTED BAND EDGES

[Tilt: Off]

802.11b	Channel	01 Ch	Freq	2412 MHz		Transfer Rate	1 Mbps
Frequency	Measured Value	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	47.27	3.35	H	50.62	73.98	23.36	PK
2390.0	34.92	3.35	H	38.27	53.98	15.71	AV

802.11b	Channel	11 Ch	Freq	2462 MHz		Transfer Rate	1 Mbps
Frequency	Measured Value	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	45.82	3.55	H	49.37	73.98	24.61	PK
2483.5	34.46	3.55	H	38.01	53.98	15.97	AV

802.11g		Channel	01 Ch	Freq	2412 MHz		Transfer Rate	6 Mbps
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	47.37	0.00	3.35	H	50.72	73.98	23.26	PK
2390.0	35.37	0.00	3.35	H	38.72	53.98	15.26	AV

802.11g		Channel	11 Ch	Freq	2462 MHz		Transfer Rate	6 Mbps
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	53.41	0.00	3.55	H	56.96	73.98	17.02	PK
2483.5	37.42	0.00	3.55	H	40.97	53.98	13.01	AV

802.11n (HT20)		Channel	01 Ch	Freq	2412 MHz		Transfer MCS Index	MCS0
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	48.41	0.00	3.35	H	51.76	73.98	22.22	PK
2390.0	35.41	0.00	3.35	H	38.76	53.98	15.22	AV

802.11n (HT20)		Channel	11 Ch	Freq	2462 MHz		Transfer MCS Index	MCS0
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	51.24	0.00	3.55	H	54.79	73.98	19.19	PK
2483.5	36.56	0.00	3.55	H	40.11	53.98	13.87	AV

[Tilt: On]

802.11b	Channel	01 Ch	Freq	2412 MHz		Transfer Rate	1 Mbps
Frequency	Measured Value	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	47.57	3.35	H	50.92	73.98	23.06	PK
2390.0	35.03	3.35	H	38.38	53.98	15.60	AV

802.11b	Channel	11 Ch	Freq	2462 MHz		Transfer Rate	1 Mbps
Frequency	Measured Value	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	45.82	3.55	H	49.37	73.98	24.61	PK
2483.5	34.46	3.55	H	38.01	53.98	15.97	AV

802.11g		Channel	01 Ch	Freq	2412 MHz		Transfer Rate	6 Mbps
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	47.08	0.00	3.35	H	50.43	73.98	23.55	PK
2390.0	35.30	0.00	3.35	H	38.65	53.98	15.33	AV

802.11g		Channel	11 Ch	Freq	2462 MHz		Transfer Rate	6 Mbps
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	53.61	0.00	3.55	H	57.16	73.98	16.82	PK
2483.5	37.24	0.00	3.55	H	40.79	53.98	13.19	AV

802.11n (HT20)		Channel	01 Ch	Freq	2412 MHz		Transfer MCS Index	MCS0
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2390.0	47.51	0.00	3.35	H	50.86	73.98	23.12	PK
2390.0	35.27	0.00	3.35	H	38.62	53.98	15.36	AV

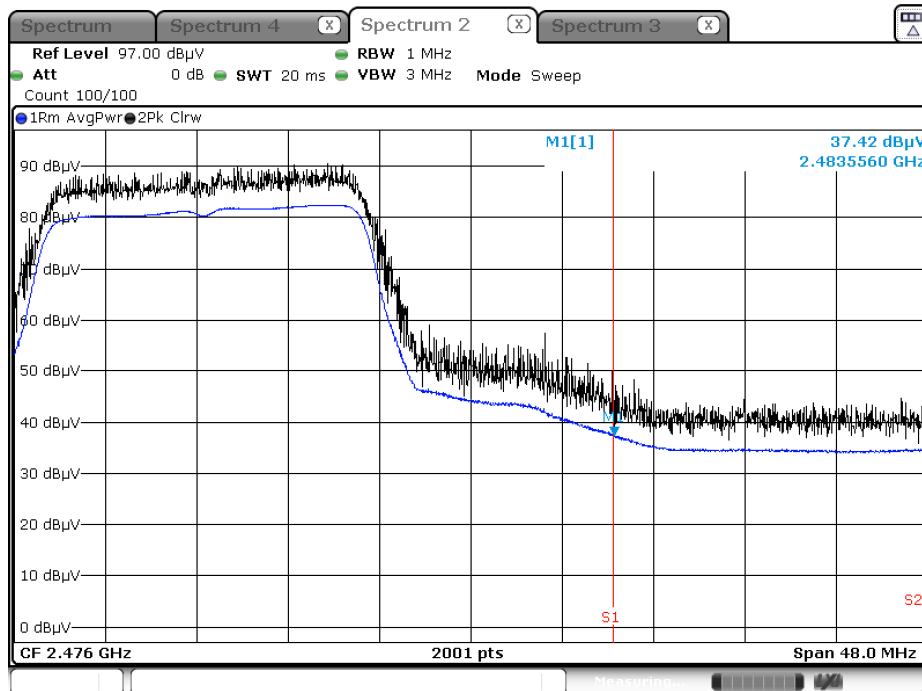
802.11n (HT20)		Channel	11 Ch	Freq	2462 MHz		Transfer MCS Index	MCS0
Frequency	Measured Value	Duty Cycle Factor	A.F.+CL +ATT-A.G	ANT. POL	Total	Limit	Margin	Measurement Type
[MHz]	[dBμV]	[dB]	[dB]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	
2483.5	50.17	0.00	3.55	H	53.72	73.98	20.26	PK
2483.5	36.09	0.00	3.55	H	39.64	53.98	14.34	AV

Test Plots

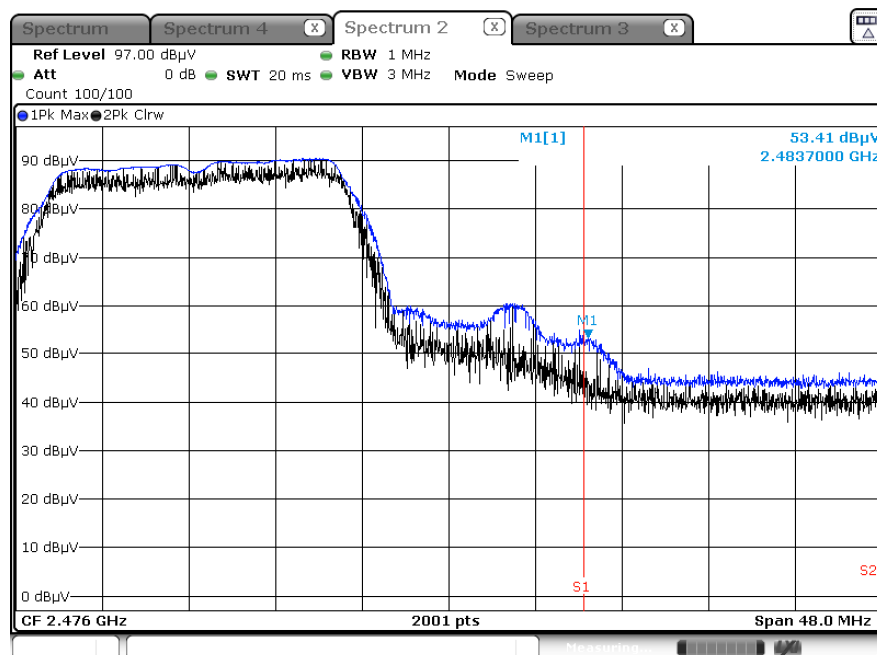
Note: In order to simplify the report, Plots of worst case are only reported.

[Tilt: Off]

Radiated Restricted Band Edges plot – Average Result (802.11g_6 Mbps, Ch.11, Y-H)

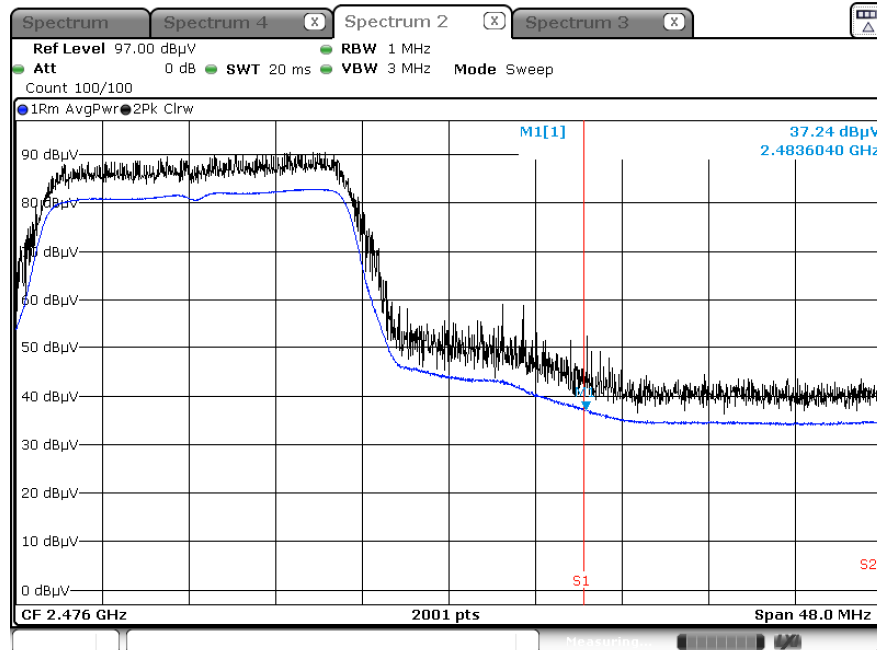


Radiated Restricted Band Edges plot – Peak Result (802.11g_6 Mbps, Ch.11, Y-H)

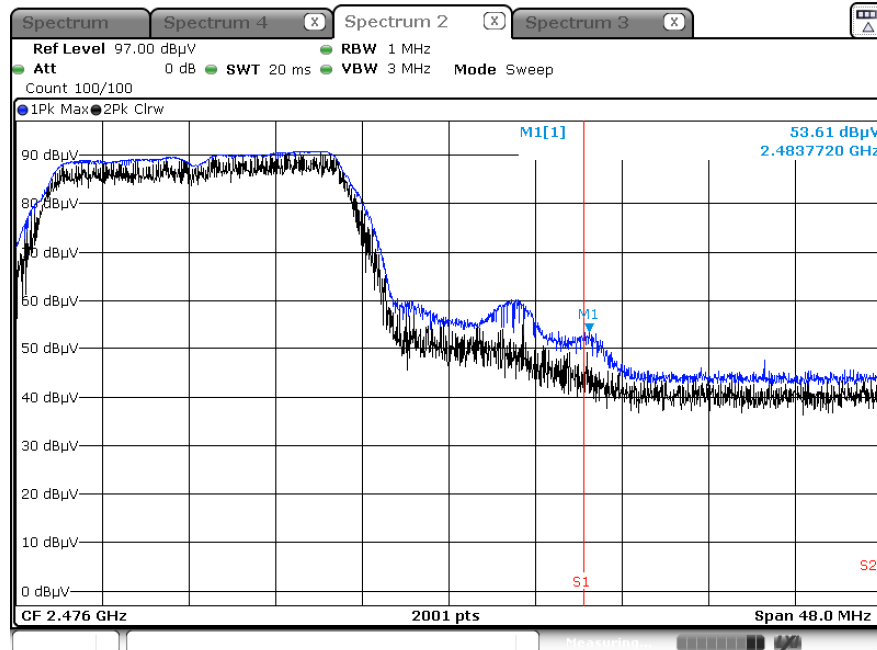


[Tilt: On]

Radiated Restricted Band Edges plot – Average Result (802.11g_6 Mbps, Ch.11, Y-H)



Radiated Restricted Band Edges plot – Peak Result (802.11g_6 Mbps, Ch.11, Y-H)



10. LIST OF TEST EQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	07/15/2026	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	08/20/2026	Annual
Signal Analyzer	N9020A	Keysight	MY46471250	08/04/2026	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	100935	07/24/2026	Annual
Power Meter	N1911A	Agilent	MY45100523	02/21/2026	Annual
Power Sensor	N1921A	Agilent	MY57820067	02/04/2026	Annual
DC Power Supply	E3632A	Agilent	KR75305528	12/24/2025	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C-010	Agilent	08285	05/19/2026	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	02/18/2026	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A

Notes:

- Equipment listed above that calibrated during the testing period was set for test after the calibration.
- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	S4AM	08/01/2026	Annual
Turn Table	1060	Innco system	N/A	N/A	N/A
Turn Table	N/A	Ets.	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	06/23/2027	Biennial
BILOG Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1191	11/07/2025	Biennial
Horn Antenna	BBHA9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	N/A
RF Switching System	FBSR-04C (3 GHz HPF + LNA)	TNM system	S4L1	03/12/2026	Annual
RF Switching System	FBSR-04C (10 dB ATT + LNA)	TNM system	S4L2	03/12/2026	Annual
RF Switching System	FBSR-04C (3 dB ATT + LNA)	TNM system	S4L3	03/12/2026	Annual
RF Switching System	FBSR-04C (LNA)	TNM system	S4L4	03/12/2026	Annual
RF Switching System	FBSR-04C (Thru)	TNM system	S4L6	03/12/2026	Annual
Spectrum Analyzer	FSV30 (10 Hz ~ 30 GHz)	Rohde & Schwarz	100746	07/01/2026	Annual
Spectrum Analyzer	FSW (2 Hz ~ 67 GHz)	Rohde & Schwarz	101736	05/27/2026	Annual

Notes:

- Equipment listed above that calibrated during the testing period was set for test after the calibration.
- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
- Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

11. Annex A_EUT AND TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2510-FC002-P