

Report on the Radio Testing of: SmartTAG

Model(s): STG-875W(P1)

In accordance with
47 CFR FCC Part 15C

Cadi Scientific Pte Ltd
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Singapore 408694



PSB Singapore

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FCC ID: VPE-STG-875W

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Project Management	Foo Kai Maun	08 Apr 2020	
Authorised Signatory	Quek Keng Huat	07 Apr 2020	

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD PSB document control rules.

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with the mentioned standard(s).



LA-2007-0380-A LA-2007-0385-E
LA-2007-0381-F LA-2007-0386-C
LA-2007-0382-B LA-2010-0464-D
LA-2007-0383-G LA-2018-0702-B
LA-2007-0384-G LA-2018-0703-G

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.

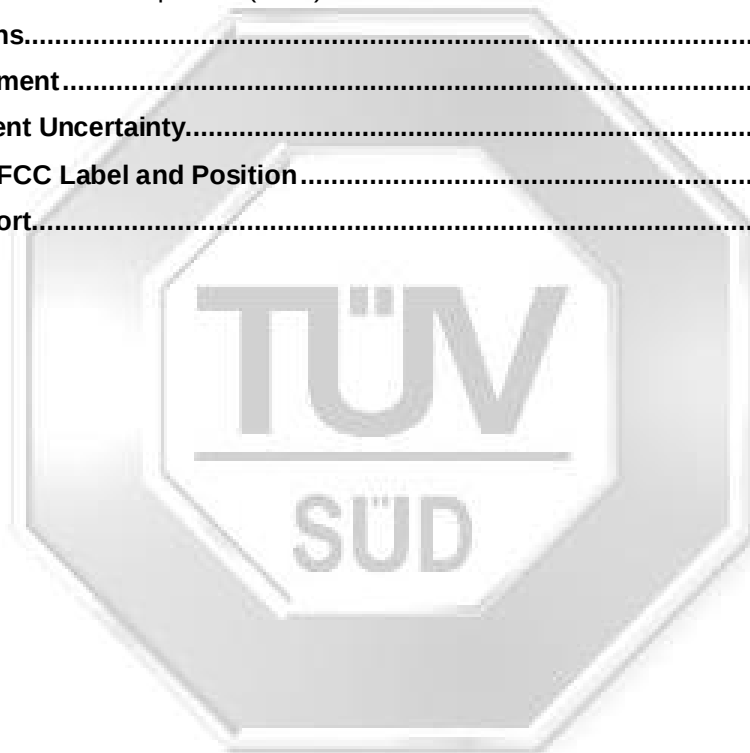
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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	08 Apr 2020





1.2 Introduction

Applicant	:	Cadi Scientific Pte Ltd 31 Ubi Road 1 #07-01A Aztech Building Singapore 408694
Manufacturer	:	Same as applicant
Factory	:	Same as applicant
Model Number(s)	:	STG-875W(P1)
Serial Number(s)	:	94F55103611E
Number of Samples Tested	:	1
Test Sample(s) Condition	:	Good
Quotation Reference	:	5278517
Test Specification/Issue/Date	:	FCC 47 CFR 15C
Test Sample(s) Received Date	:	19 Feb 2020
Start of Test	:	19 Feb 2020
Finish of Test	:	17 Mar 2020

1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with specifications as shown below.

Specification Clause	Test Description	Result	Comments/Base Standard
47 CFR FCC Part 15			
15.107(a), 15.207	Conducted Emissions	Not Applicable *See Note 3	ANSI C63.4: 2014 ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2018
15.109(a), 15.205, 15.209	Radiated Emissions (Spurious Emissions Inclusive Restricted Bands Requirement)	Pass	ANSI C63.4: 2014 ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(a)(2)	Spectrum Bandwidth (6dB Bandwidth Measurement)	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(b)(3)	Maximum Peak Power	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(d)	RF Conducted Spurious Emissions (Non-Restricted Bands)	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(d)	RF Conducted Spurious Emissions (Restricted Bands)	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(d)	Band Edge Compliance (Conducted)	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(d)	Band Edge Compliance (Radiated)	Pass	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.247(e)	Peak Power Spectral Density	Not Tested *See Note 6	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
15.35(c)	Duty Cycle Factor Computation	Not Applicable *See Note 4	ANSI C63.10: 2013 KDB 558074 D01 DTS Measurement Guidance V05R02: 2019
2.1091	Maximum Permissible Exposure	Pass	

Notes

1. All the measurements in section 15.247 were done based on conducted measurements except Band Edge Compliance (Radiated) test.
2. The EUT is a Class B device when in non-transmitting state and meets the 47 CFR FCC Part15B Class B requirements.
3. The Equipment Under Test (EUT) is a battery-operated device and contains no provision for public utility connections.
4. The EUT was operated in continuous transmission, ie 100% duty cycle.
5. The EUT was tested using fully charged batteries with DC voltage of 3.6V.
6. The Wi-Fi module of the Equipment Under Test (EUT) is a FCC certified module bearing FCC ID: YOPGS2200M. The module was integrated into the EUT without any modifications to the hardware or firmware. Refer to Bay Area Compliance Labs Corp, issued test report, R1606202-247 dated 17 Aug 2016 for more details.



1.4 Product Information

1.4.1 Technical Description

Description	:	The Equipment Under Test(s) (EUT(s)) is a SmartTAG . It is a location tracking tag.
Microprocessor	:	PIC18LF46K22
Operating Frequency	:	125kHz (LF Receiver) 38kHz (IR Receiver) 2.4GHz (Wi-Fi)
Clock / Oscillator Frequency	:	32.768kHz external crystal oscillator 16MHz internal RC oscillator
Modulation	:	Direct Sequence Spread Spectrum (Wi-Fi 802.11b) Orthogonal Frequency Division Multiplexing (Wi-Fi 802.11g/n) Amplitude Shift Keying (RFID)
Antenna Gain	:	3.35dBi
Port / Connectors	:	Nil
Rated Power	:	3.6Vdc battery operated
Accessories	:	Nil

1.4.2 Test Configuration and Modes of Operation

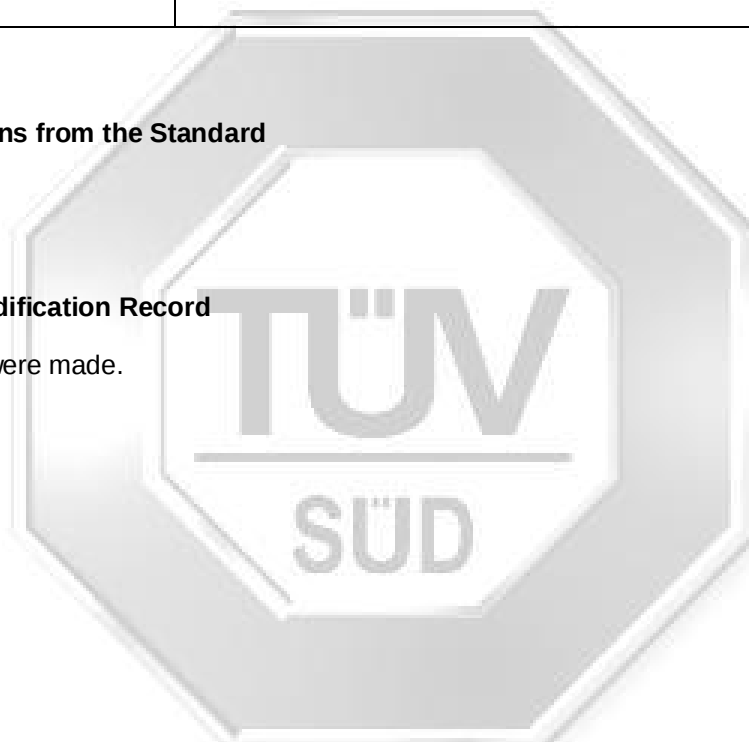
Mode(s)	Description								
Maximum RF power transmission	The EUT was exercised in the mode, transmitting at lower, middle and upper channels as shown below one at a time with all supported modulation schemes were evaluated. For Band Edge Compliance, only lower and upper channels were evaluated.								
	<table><tr><th><u>Transmit Channel</u></th><th><u>Frequency (GHz)</u></th></tr><tr><td>Channel 1 (Lower Channel)</td><td>2.412</td></tr><tr><td>Channel 6 (Middle Channel)</td><td>2.437</td></tr><tr><td>Channel 11 (upper Channel)</td><td>2.462</td></tr></table>	<u>Transmit Channel</u>	<u>Frequency (GHz)</u>	Channel 1 (Lower Channel)	2.412	Channel 6 (Middle Channel)	2.437	Channel 11 (upper Channel)	2.462
	<u>Transmit Channel</u>	<u>Frequency (GHz)</u>							
	Channel 1 (Lower Channel)	2.412							
	Channel 6 (Middle Channel)	2.437							
Channel 11 (upper Channel)	2.462								

1.5 Deviations from the Standard

Nil.

1.6 EUT Modification Record

No modifications were made.



1.7 Test Location(s)

TÜV SÜD PSB Pte Ltd
Electrical & Electronics Centre (EEC), Product Services,
No. 1 Science Park Drive, Singapore 118221

TÜV SÜD PSB Pte Ltd
Electrical & Electronics Centre (EEC), Product Services,
15 International Business Park #01-01, Singapore 609937

1.8 Test Facilities Registrations

Requirements	Registration Numbers
FCC	994109 (Test Firm Registration Number) SG0002 (Designation Number)
ISED	SGAP01 (CAB Identifier) <u>Science Park</u> 2932I-1 (3m and 10m Semi-Anechoic Chamber) <u>International Business Park</u> 2932N-1 (10m Semi-Anechoic Chamber)
VCCI	<u>Science Park</u> R-1335 (10m ANC) C-2306 (C.E @ Lab 3) T-1471 (Telecom Ports @ Lab 3) <u>International Business Park</u> R-3324 (10m ANC), G-10203 (10mANC) C-4933 (C.E @ CEIBP) T-2403 (Telecom Ports @ CEIBP)
BSMI	SL2-IS-E-6001R [CNS-13803 (ISM Equipment)] SL2-IN-E-6001R [CNS-13438 (IT Equipment)] SL2-R1/R2-E-6001R [CNS-13439 (Broadcast Receivers)] SL2-A1-E-6001R [CNS-13783-1 (Household Appliances)] SL2-L1-E-6001R [CNS-14115 (Lighting Equipment)]
SABS	SABS/A-LAB/0029/2018



1.9 Supporting Equipment

Equipment Description (Including Brand Name)	Model, Serial & FCC ID Number	Cable Description (List Length, Type & Purpose)
GW Laboratory DC Power Supply	M/N: GPS-3030D S/N: 8120428 FCC ID: Nil	1.80 m unshielded power cable



2 Test Details

2.1 Radiated Emissions (Spurious Emissions Inclusive Restricted Bands Requirement)

2.1.1 Test Limits

Frequency Range (MHz)	Quasi-Peak Limit Values (dBμV/m)
0.009 - 0.490 *	20 log [2400 / F (kHz)] @ 300m
0.490 - 1.705	20 log [24000 / F (kHz)] @ 30m
1.705 - 30.0	30.0 @ 30m
30 – 88	40.0 @ 3m
88 – 216	43.5 @ 3m
216 – 960	46.0 @ 3m
Above 960 *	54.0 @ 3m

* For frequency bands 9kHz – 90kHz, 110kHz – 490kHz and above 1GHz, average detector was used. A peak limit of 20dB above the average limit does apply.

Restricted Bands

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	Above 38.6
13.36 - 13.41			

2.1.2 Test Setup

- 2.1.2.1 The EUT and supporting equipment were set up in accordance with the requirements of the standard as shown in the setup photos.
- 2.1.2.2 The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- 2.1.2.3 The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.

2.1.3 Test Method

- 2.1.3.1 The EUT was switched on and allowed to warm up to its normal operating condition.
- 2.1.3.2 A prescan was carried out to pick the worst emission frequencies from the EUT. For EUT which is a portable device, the prescan was carried out by rotating the EUT through three orthogonal axes to determine which altitude and equipment arrangement produces such emissions.
- 2.1.3.3 The test was carried out at the selected frequency points obtained from the pre-scan. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
 - a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
 - b. The EUT was then rotated to the direction that gave the maximum emission.
 - c. Finally, the antenna height was adjusted to the height that gave the maximum emission
- 2.1.3.4 A Quasi-peak measurement was made for that frequency point if it was less than or equal to 1GHz. For frequency point in range of 9kHz – 90kHz, 110kHz – 490kHz and above 1GHz, both Peak and Average measurements were carried out.
- 2.1.3.5 The measurements were repeated for the next frequency point, until all selected frequency points were measured.
- 2.1.3.6 The frequency range covered was from the lowest radio frequency signal generated from the EUT, without going below 9kHz to 10th harmonics of the EUT fundamental frequency, using the loop antenna for frequency below 30MHz, Bi-log antenna for frequencies from 30MHz up to 1GHz, and the Horn antenna above 1GHz.

Sample Calculation Example

At 300 MHz

Q-P limit = 46.0 dB μ V/m

Log-periodic antenna factor & cable loss at 300 MHz = 18.5 dB

Q-P reading obtained directly from EMI Receiver = 40.0 dB μ V/m

(Calibrated level including antenna factors & cable losses)

Therefore, Q-P margin = 46.0 - 40.0 = 6.0

i.e. 6.0 dB below Q-P limit

2.2.5 Test Results

Test Input Power	3.6Vdc	Temperature	23°C
Test Distance	3m (30MHz – 25GHz)	Relative Humidity	55%
Data Rate	802.11g @ 6Mbps (Worst)	Atmospheric Pressure	1029mbar
		Tested By	Chelmin Li Dylan Lin
		Test Date	23 Feb 2020

Spurious Emissions ranging from 30MHz – 1GHz

Frequency (MHz)	Q-P Value (dBμV/m)	Q-P Limit (dBμV/m)	Q-P Margin (dB)	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Channel
32.2150	20.3	40.0	19.7	100	301	V	11
38.6840	17.8	40.0	22.2	400	38	V	11
43.6690	11.3	40.0	28.7	193	49	V	11
49.3740	9.9	40.0	30.1	100	151	V	11
49.5220	10.4	40.0	29.6	100	40	V	11
94.9920	19.7	43.5	23.8	100	157	H	11

Spurious Emissions above 1GHz – 25GHz

Freq (GHz)	Peak Value (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
1.9122	48.0	74.0	26.0	--	54.0	6.0	101	216	V	1
2.1078	48.2	74.0	25.8	--	54.0	5.8	101	157	V	1
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Spurious Emissions above 1GHz – 25GHz

Freq (GHz)	Peak Value (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
2.0745	48.3	74.0	25.7	--	54.0	5.7	101	5	H	6
2.0916	48.3	74.0	25.7	--	54.0	5.7	101	50	H	6
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Spurious Emissions above 1GHz – 25GHz

Freq (GHz)	Peak Value (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
1.9550	48.5	74.0	25.5	--	54.0	5.5	101	59	H	11
2.1034	48.0	74.0	26.0	--	54.0	6.0	101	84	V	11
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Notes

1.	All possible modes of operation were investigated. Only the worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
2.	As the measured peak shows compliance to the average limit, as such no average measurement was required.
3.	The average margin indicates the margin of the measured peak value below the average limit.
4.	-- indicates no emissions were found and shows compliance to the limits
5.	Quasi-peak measurement was used for frequency measurement up to 1GHz. Average and peak measurements were used for emissions above 1GHz. The average measurement was done by averaging over a complete cycle of the pulse train, including the blanking interval as the pulse train duration does not exceed 0.1 second.
6.	A "positive margin" indicates a PASS as it refers to the margin present below the limit line at the particular frequency. Conversely, a "negative margin" indicates a FAIL.
7.	EMI receiver Resolution Bandwidth (RBW) and Video Bandwidth (VBW) settings: <u>30MHz - 1GHz</u> RBW: 120kHz VBW: 1MHz <u>>1GHz</u> RBW: 1MHz VBW: 3MHz
8.	The upper frequency of radiated emission investigations was according to requirements stated in Section 15.33 (a) for intentional radiators & Section 15.33 (b) for unintentional radiators.
9.	The channel in the table refers to the transmit channel of the EUT.

2.2 Band Edge Compliance (Radiated)

2.2.1 Test Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands shall comply to the radiated emission limits specified in 15.209.

2.2.2 Test Setup

2.2.2.1 The EUT and supporting equipment were set up as shown in the setup photo.

2.2.2.2 The power supply for the EUT was connected to a filtered mains.

2.2.2.3 The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz to show compliance of spurious at band edges are at least 20dB below the carriers. For restricted band spurious at band edges, peak and average measurement plots were taken using the following setting:

- a. Peak Plot:
RBW = 1MHz, VBW = 3RBW
- b. Average Plot
RBW = 1MHz, VBW = 10Hz

2.2.2.4 All other supporting equipment were powered separately from another filtered mains.

2.2.3 Test Method

2.2.3.1 The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode.

2.2.3.2 The frequency span of the spectrum analyser was set to wide enough to capture the lower band edge of the transmission band, 2.400GHz and any spurious emissions at the band edge.

2.2.3.3 The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.

2.2.3.4 The measurements were repeated if the EUT supports more than one modulation and data rate.

2.2.3.5 The measurements were repeated with the frequency span of the spectrum analyser was set to wide enough to capture the upper band edge frequency of the transmission band, 2.4835GHz and the any spurious emissions at the band-edge.



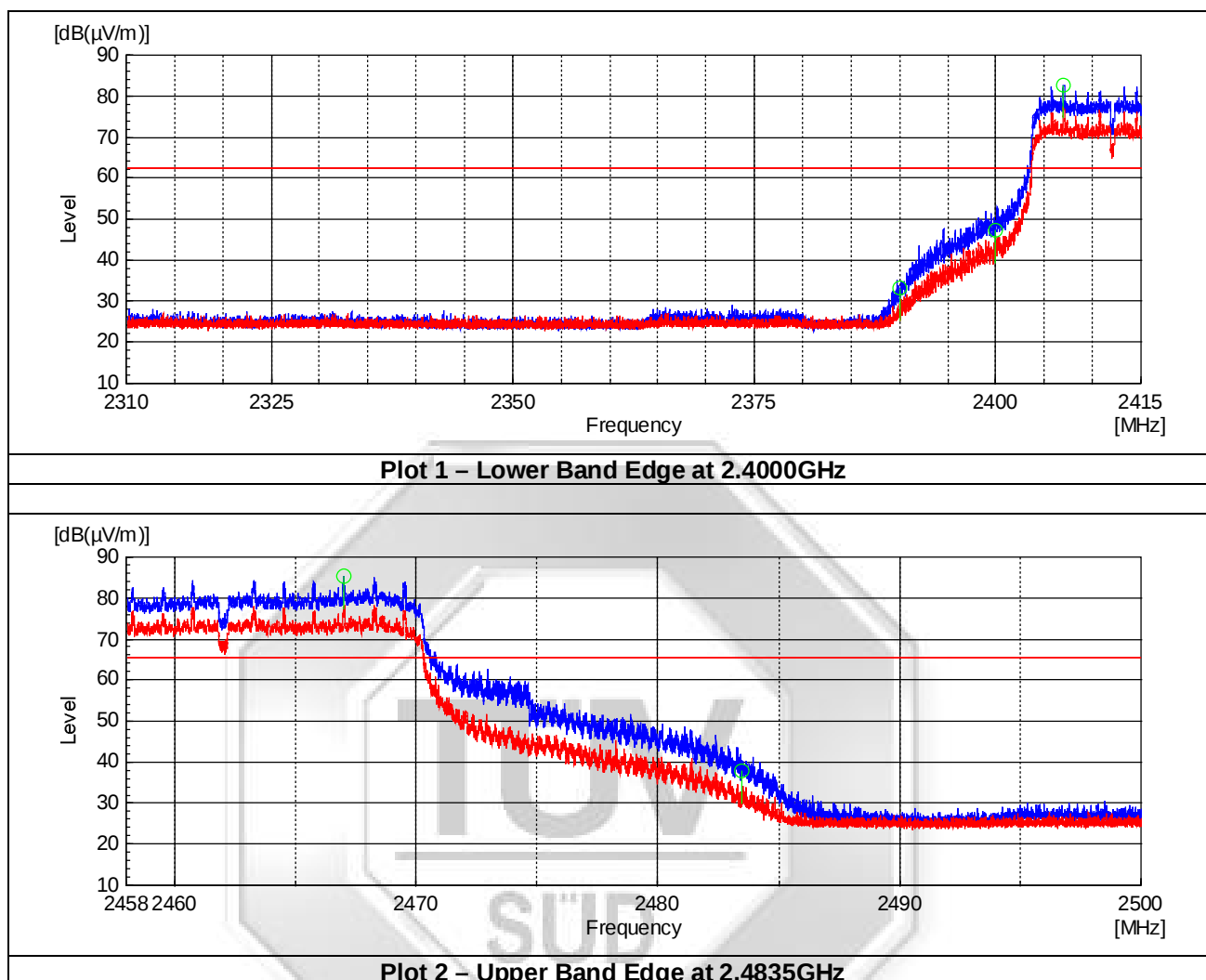
2.2.4 Test Results

Test Input Power	3.6Vdc	Temperature	23°C
Attached Plots	1 – 6	Relative Humidity	55%
	802.11g @ 6Mbps (Worst)	Atmospheric Pressure	1029mbar
		Tested By	Li Chaoming Dylan Lin
		Test Date	23 Feb 2020

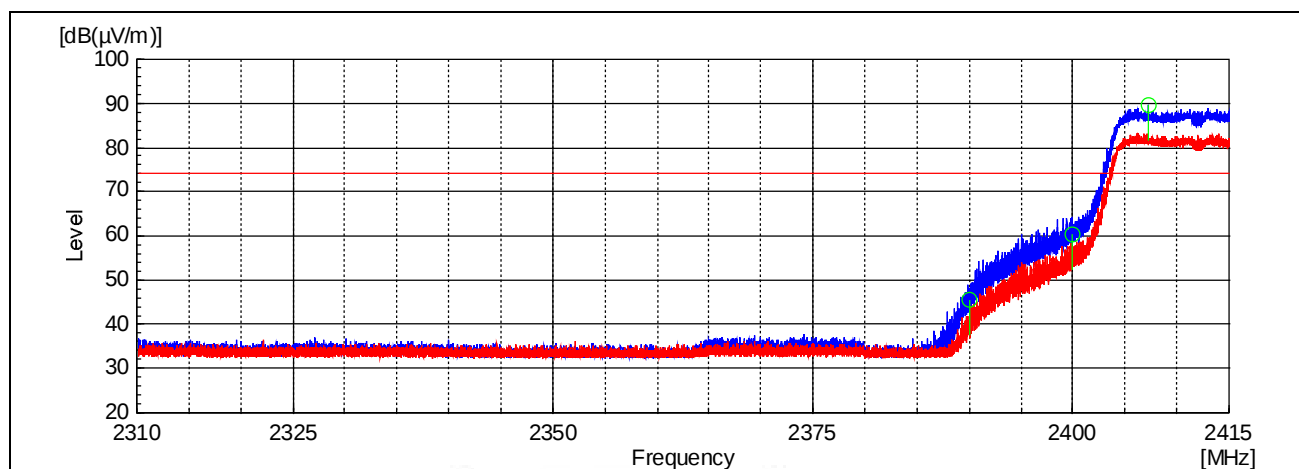
No significant signal was found and they were below the specified limit.



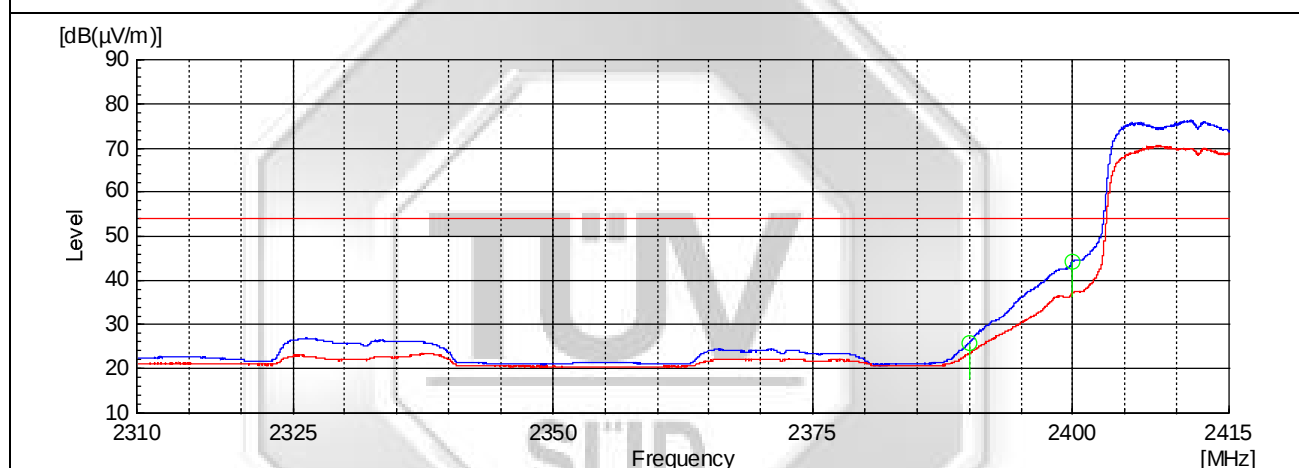
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



Band Edge Compliance (Radiated) Plots (Restricted Band)

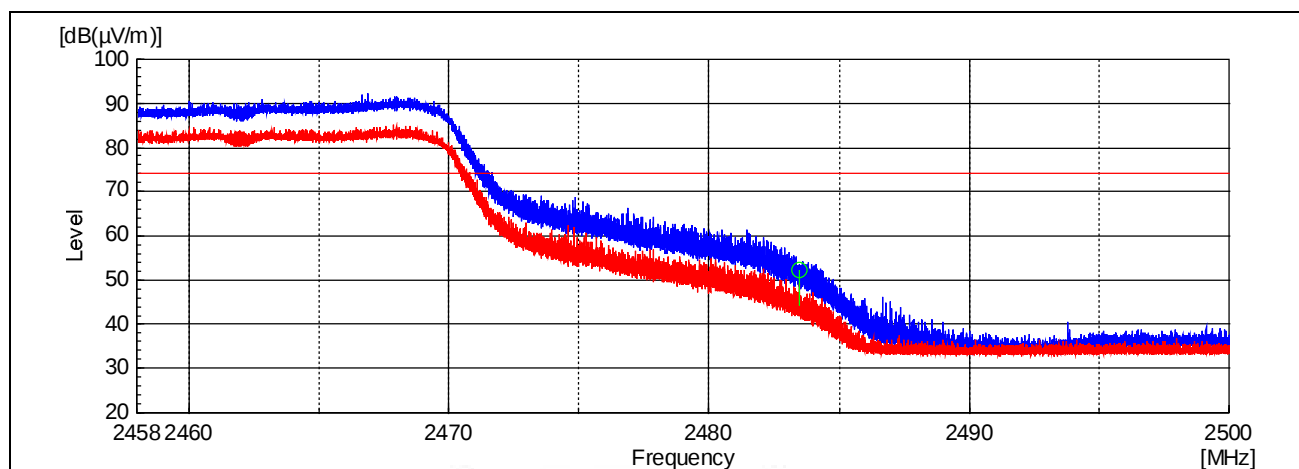


Plot 3 – Peak Plot at Lower Band Edge at 2.4000GHz

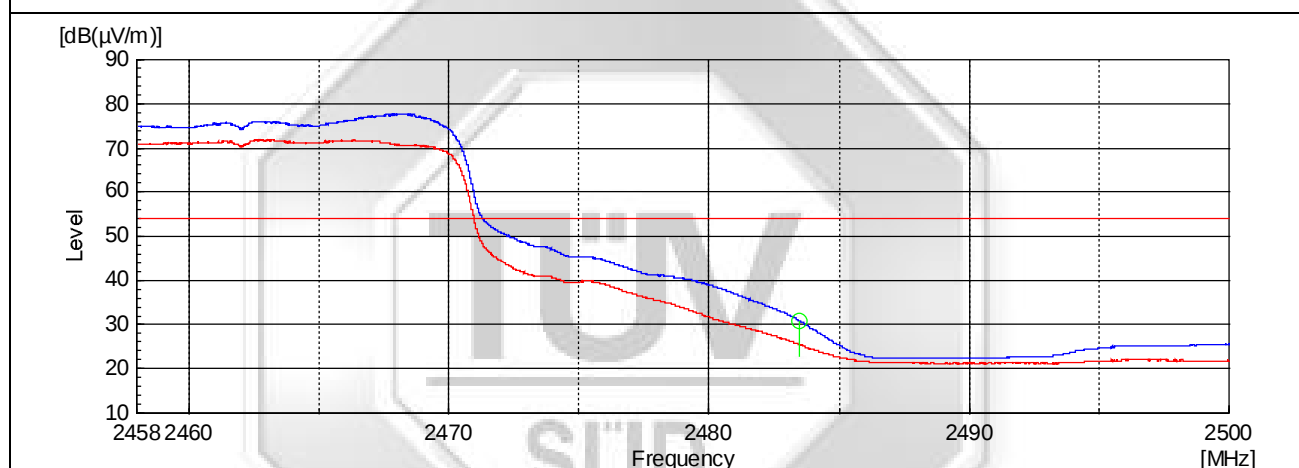


Plot 4 – Average Plot at Lower Band Edge at 2.4000GHz

Band Edge Compliance (Radiated) Plots (Restricted Band)



Plot 5 – Peak Plot at Upper Band Edge at 2.4835GHz



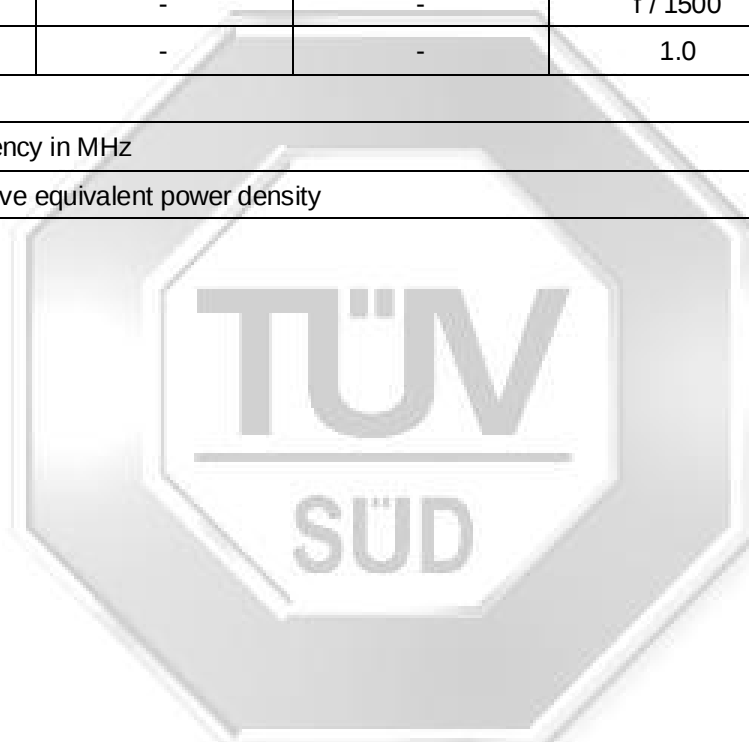
Plot 6 – Average Plot at Upper Band Edge at 2.4835GHz

2.3 Maximum Permissible Exposure (MPE)

2.3.1 Test Limits

The EUT shows compliance to the requirements of this section, which states the MPE limits for general population / uncontrolled exposure are as shown below:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (min)
0.3 - 1.34	614	1.63	100 ^{Note 2}	30
1.34 - 30	824 / f	2.19 / f	180 / f ² ^{Note 2}	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	-	-	f / 1500	30
1500 - 100000	-	-	1.0	30
Notes				
1. f = frequency in MHz				
2. Plane wave equivalent power density				



2.3.2 Test Setup

- 2.3.2.1 The EUT and supporting equipment were set up as shown on the setup photo.
- 2.3.2.2 The relevant field probe was positioned at least 20cm away from the EUT and supporting equipment boundary.

2.3.3 Test Method

- 2.3.3.1 The EUT was switched on and allowed to warm up to its normal operating condition.
- 2.3.3.2 The test was first carried out at one of the positions / sides of the EUT.
- 2.3.3.3 Power density measurement (mW/cm^2) was made using the field meter set to the required averaging time.
- 2.3.3.4 Measurements were repeated for the next position and its associate EUT operating mode, until all possible positions and modes were measured.

Sample Calculation Example

At 2400 MHz, limit = $1.0 \text{ mW}/\text{cm}^2$

Power density reading obtained directly from field meter = $0.3 \text{ mW}/\text{cm}^2$ averaged over the required 30 minutes.

Therefore, margin = $0.3 - 1.0 = -0.7 \text{ mW}/\text{cm}^2$ i.e. $0.7 \text{ mW}/\text{cm}^2$ below limit

2.3.4 Test Results

Test Input Power	3.6Vdc Battery Operated	Temperature	20°C
Test Distance	20cm	Relative Humidity	55%
Data Rate	802.11g @ 6Mbps (Worst)	Atmospheric Pressure	1029mbar
		Tested By	Chang Wai Kit
		Test Date	17 Mar 2020

Channel	Channel Frequency (GHz)	Power Density Value (mW/cm ²)	Margin (mW/cm ²)	Averaging Time (min)	Limit (mW/cm ²)
Lower	2.412	0.0064	0.9936	30	1.0
Middle	2.437	0.0061	0.9939	30	1.0
Upper	2.462	0.0063	0.9937	30	1.0

Notes

1.	All possible modes of operation were investigated. Only the worst case highest radiation levels were measured. Measurements were taken at the required averaging time. All other radiation levels were relatively insignificant.
2.	A "positive margin" indicates a PASS as it refers to the margin present below the limit line at the particular frequency. Conversely, a "negative margin" indicates a FAIL.

4 Test Equipment

Instrument	Model	S/No	Cal Due Date
<i>Radiated Emissions (Spurious Emissions Inclusive Restricted Bands Requirement)</i>			
R&S EMI Test Receiver	ESW44	101661	30 May 2020
Schaffner Bilog Antenna (30MHz-2GHz)	CBL6112B	2597	27 Jun 2020
Com-Power Preamplifier (1MHz-1GHz)	PAM-103	441056	07 May 2020
Electro-Metrics Horn Antenna(1GHz-18GHz)	EM-6961	6553	18 Nov 2020
R&S Preamplifier (1GHz -18GHz)	SCU18	102191	15 Jan 2021
ETS Horn Antenna (18GHz-40GHz)	3116	0004-2474	07 Jul 2020
Agilent Preamplifier (1GHz-26.5GHz)	8449D	3008A02305	26 Sep 2020
Toyo Preamplifier (26.5GHz-40GHz)	HAP26-40W	00000005	07 Jul 2020
Micro-tronics Bandstop Filter (2.4GHz)	BRM50701-02	007	13 Aug 2020
<i>Band Edge Compliance (Radiated)</i>			
R&S EMI Test Receiver	ESW44	101661	30 May 2020
Electro-Metrics Horn Antenna(1GHz-18GHz)	EM-6961	6553	18 Nov 2020
R&S Preamplifier (1GHz -18GHz)	SCU18	102191	15 Jan 2021
<i>Maximum Permissible Exposure</i>			
PMM 8053 Portable Field Meter	8053	0220J10308	07 Mar 2021
PMM Electric Field Probe	EP330	1010J10301	27 Mar 2021

5 Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95%, with a coverage factor of 2.

Test Name	Measurement Uncertainty
Conducted Emissions	9kHz to 30MHz, $\pm 2.4\text{dB}$
Radiated Emissions	9kHz to 30MHz @ 10m, $\pm 2.3\text{dB}$ 30MHz to 1GHz @ 10m, $\pm 4.0\text{dB}$ 30MHz to 1GHz @ 3m, $\pm 5.6\text{dB}$ >1GHz to 40GHz @ 3m, $\pm 5.0\text{dB}$
Maximum Permissible Exposure	0.1MHz – 3GHz is $\pm 15.0\%$





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July 2011





End of the Test Report