Test Report No. 7191155156-EEC17/01 dated 07 Feb 2017



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FORMAL REPORT ON TESTING IN ACCORDANCE WITH 47 CFR FCC Parts 15B & C OF AN E-Log And Fleet Management Device [Model : DC200] [Contains FCC ID : A4C01005A & QIPPXS8]

TEST FACILITY	TÜV SÜD PSB Pte Ltd Electrical & Electronics Centre (EEC), P 13 International Business Park #01-01, 3	
FCC REG. NO.	160581 (3m and 10m Semi-Anechoic Cha	amber, International Business Park)
IND. CANADA REG. NO.	2932N-1 (10m Semi-Anechoic Chamber,	International Business Park)
PREPARED FOR	PCI Limited 35 Pioneer Road North Singapore 628475	
	Tel : +65 666 8312	Fax : +65 6362 6682
QUOTATION NUMBER	2191055485	
JOB NUMBER	7191155156	
TEST PERIOD	24 Jan 2017 – 25 Jan 2017	
PREPAR	ED BY SUD	APPROVED BY
Guek Ker Higher Associa	g Huat te Engineer	Foo Kai Maun Executive Engineer



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Laboratory: TÜV SÜD PSB Pte. Ltd. No.1 Science Park Drive Singapore 118221 Phone : +65-6885 1333 Fax : +65-6776 8670 E-mail: enquiries@tuv-sud-psb.sg www.tuv-sud-psb.sg Co. Reg : 199002667R

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Regional Head Office: TÜV SÜD Asia Pacific Pte. Ltd. 1 Science Park Drive, #02-01 Singapore 118221

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LA-2007-0385-E LA-2007-0386-C

LA-2010-0464-D

LA-2007-0380-A

LA-2007-0381-F

LA-2007-0382-B LA-2007-0383-G The results reported herein have been performed in accordance with the

Increasing report incluin and 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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The product was tested in accordance with the customer's specifications.

Test Results Summary

Test Standard	Description	Pass / Fail			
47 CFR FCC Part 15					
15.107(a), 15.207	Conducted Emissions	Not Applicable *See Note 4			
15.109(a), 15.205, 15.209	Radiated Emissions (Spurious Emissions inclusive Restricted Bands Requirement)	Pass			
15.247(a)(1)	Carrier Frequency Separation	Not Tested *See Note 6			
	Spectrum Bandwidth (20dB Bandwidth Measurement)	Not Tested *See Note 6			
15.247(a)(1)(iii)	Number of Hopping Frequencies	Not Tested *See Note 6			
	Average Frequency Dwell Time	Not Tested *See Note 6			
15.247(b)(1)	Maximum Peak Power	Not Tested *See Note 6			
15.247(d)	RF Conducted Spurious Emissions	Not Tested *See Note 6			
15.247(d)	Band Edge Compliance (Conducted)	Not Tested *See Note 6			
15.247(d)	Band Edge Compliance (Radiated)	Pass			
15.247(e)	Peak Power Spectral Density	Not Tested *See Note 6			
1.1310	Maximum Permissible Exposure	Pass			



Notes

1. Three channels as listed below, which respectively represent the lower, middle and upper channels of the Equipment Under Test (EUT) were chosen and tested. For each channel, the EUT was configured to operate in the test mode.

Transmit Channel	Frequency (GHz)
Channel 0	2.402
Channel 39	2.441
Channel 78	2.480

- 2. The EUT is a Class B device when in non-transmitting state and meets the 47 CFR FCC Part15B Class B requirements.
- 3. All test measurement procedures are according to ANSI C63.4: 2014 and ANSI C63.10: 2013.
- 4. The Equipment Under Test (EUT) is a battery operated device / DC operated device and contains no provision for public utility connections.
- 5. The EUT was tested using fully charged batteries with DC voltage of 12.2V.
- PCI Limited declares that the Bluetooth Module (Model: ODIN-W2) used in the product is a FCC & IC certified module (FCC ID: PVH0965, IC: 5325A-0965). The module was integrated into the main board without modifications in hardware nor firmware and this Bluetooth Module used was tested and reported in Report Number F151496E7 issued by PHOENIX TESTLAB GmbH dated 16 October 2015.
- 7. The EUT was operated in simultaneous multiplie transmission (co-transmission) mode during the assessment. i.e. Cellular + WiFi + Bluetooth transmission.

Modifications

No modifications were made.



PRODUCT DESCRIPTION

Description	:	The Equipment Under Test (EUT) is an E-Log And Fleet Management Device.
Applicant	:	A4C-RM Acquisition LLC 855 Woods Drive Skokies IL 60077 USA
Manufacturer	:	PCI Limited 35 Pioneer Road North Singapore 628475
Factory (ies)	:	Pt PCI Elektronik Internasional Panbil Industrial Estate Factory C Lot 2-3 Jalan Ahmad Yani Muka Kuning, Batam 29433 Indonesia
Model Number	:	DC200
Contains FCC ID		A4C01005A & QIPPXS8
Serial Number		Nil
Microprocessor	i	STMicroelectronics STM32F746ZGT6 & IC ARM CORTEX M7 STM32 32-Bit LQFP144
Operating / Transmitting Frequency	:	Bluetooth 2402MHz (lower channel) to 2480MHz (upper channel) 79 channels
		Bluetooth LE 2402MHz (lower channel) to 2480MHz (upper channel) 40 channels
		<u>WiFi 802.11b/g/n</u> 2412MHz (lower channel) to 2462MHz (upper channel) 11 channels
Clock / Oscillator Frequency	:	16MHz
Modulation	:	Gaussian Frequency Shift Keying (GFSK) π/4 Differential-Quadrature Phase Shift Keying (DQPSK) 8 Differential Phase-Shift Keying (8DPSK)
Antenna Gain	:	3.0 dBi (Max)
Port / Connectors	:	Refer to manufacturer's user manual / operating manual
Rated Input Power	:	12Vdc / 24Vdc
Accessories	:	Nil



SUPPORTING EQUIPMENT DESCRIPTION

Equipment Description (Including Brand Name)	Model, Serial & FCC ID Number	Cable Description (List Length, Type & Purpose)
Rohde & Schwarz Universal Radio Communication Tester	M/N: CMU200 S/N: 112123	2.00m unshielded power cable
	FCC ID: Nil	





EUT OPERATING CONDITIONS

47 CFR FCC Part 15

- 1. Radiated Emissions (Spurious Emissions inclusive Restricted Bands Requirement)
- 2. Band Edge Compliance (Radiated)
- 3. Maximum Permissible Exposure

The EUT was exercised by operating in maximum continuous transmission with frequency hopping off, i.e transmitting at lower, middle and upper channels respectively at one time. For Band Edge Compliance, only lower and upper channels were evaluated.





47 CFR FCC Part 15.205 Restricted Bands

Ν	ИHz			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	- 1	167.17	3260	1	3267	23.6	-	24.0
12.29	-	12.293	167.72	- 1	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	1	335.4	3600	-	4400	Above 38.6		8.6
13.36	-	13.41		/							

47 CFR FCC Parts 15.109(a) and 15.209 Radiated Emission 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 - 49	0kHz and above 1GHz, average detector was used. A
peak limit of 20dB above the average limit does apply	Ι.

47 CFR FCC Parts 15.109(a) and 15.209 Radiated Emission Test Instrumentation

Instrument	Model	S/No	Cal Due Date
Rohde & Schwarz EMI Test Receiver	ESMI	849182/003	22 Apr 2017
(20Hz – 26.5GHz)		848926/007	
TDK RF Solutions Hybrid Log Periodic Antenna	HLP-3003C	130238	22 Feb 2017
(30MHz-3GHz)			
Sonoma Preamplifier (9kHz – 1GHz)	310N	270640	27 Dec 2017
Eletro-Metrics Double Ridged Antenna (Horn)	EM-6961	6525	24 Jan 2018
Antenna (1-18GHz)			
R&S Preamplifier (1GHz -18GHz)	SCU18	102191	11 Mar 2017
ETS Horn Antenna(18GHz-40GHz)(Ref)	3116	0004-2474	18 Oct 2017
Agilent Preamplifier(1GHz-26.5GHz) (PA18)	8449D	3008A02305	12 Oct 2017
Micro-tronics Bandstop Filter (2.4GHz)	BRM50701-02	007	13 Aug 2017
Micro-tronics Bandstop Filter (900MHz)	BRM14753	002	13 Aug 2017



47 CFR FCC Parts 15.109(a) and 15.209 Radiated Emission Test Setup

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table for measurement up to 1GHz. For measurement above 1GHz, 1.5m height table was used.
- measurement above 1GHz, 1.5m height table was used.
 The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- 3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.

47 CFR FCC Parts 15.109(a) and 15.209 Radiated Emission Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition.
- 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.
- 3. The test was carried out at the selected frequency points obtained from the prescan in step 2. 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.
- 4. A Quasi-peak measurement was made for that frequency point if it was less than or equal to 1GHz. For frequency point in the range of 9kHz 90kHz, 110kHz 490kHz and above 1GHz, both Peak and Average measurements were carried out.
- 5. Steps 3 and 4 were repeated for the next frequency point, until all selected frequency points were measured.
- 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 = $40.0 \text{ dB}\mu\text{V/m}$ (Calibrated level including anten	na factors & cable losses)
Therefore, Q-P margin = 46.0 - 40.0 = 6.0	i.e. 6.0 dB below Q-P limit



47 CFR FCC Parts 15.109(a), 15.205 and 15.209 Radiated Emission Results

Test Input Power	12Vdc	Temperature	24°C
Test Distance	3m (<30MHz) 3m (≥30MHz – 25GHz)	Relative Humidity	60%
Worst Modulation	GFSK @ 1Mbps	Atmospheric Pressure	1030mbar
		Tested By	Dylan Lin / Derrick Ng

Spurious Emissions ranging from 9kHz – 30MHz (for 9kHz – 90kHz, 110kHz – 490kHz) *See Note 5

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	:::::						
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	,		/		-		ł			

Spurious Emissions ranging from 9kHz – 30MHz *See Note 5

Frequency (MHz)	Q-P Value (dBµV/m)	Q-P Limit (dBµV/m)	Q-P Margin (dB)	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Channel
				//			
		- C			532 -		
	-						

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 (Worst)
38.7080	30.3	40.0	9.7	101	256	V	78
60.4800	29.3	40.0	10.7	201	18	V	78
90.9590	34.8	43.5	8.7	201	15	V	78
110.5530	33.0	43.5	10.5	201	18	V	78
391.4000	31.4	46.0	14.6	101	82	V	78
433.8540	30.1	46.0	15.9	101	102	V	78



47 CFR FCC Parts 15.109(a), 15.205 and 15.209 Radiated Emission Results

Spurious Emissions above 1GHz - 25GHz

Freq (GHz)	Peak Value (dBµV/m)	Peak Limit (dBµV/m)	Peak Margin (dB)	AV Value (dBµV/m) *See Note 2	AV Limit (dBμV/m)	AV Margin (dB) *See Note 3	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
1.6677	43.8	74.0	30.2		54.0	10.2	100	109	V	0
3.9346	46.9	74.0	27.1		54.0	7.1	100	340	Н	0
4.7370	53.3	74.0	20.7		54.0	0.7	100	107	V	0
7.0369	45.6	74.0	28.4		54.0	8.4	100	4	V	0
8.3971	47.4	74.0	26.6		54.0	6.6	100	7	V	0
8.8145	48.0	74.0	26.0		54.0	6.0	100	51	V	0

Spurious Emissions above 1GHz - 25GHz

Freq (GHz)	Peak Value (dBµV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)	AV Value (dBμV/m) *See Note 2	AV Limit (dBμV/m)	AV Margin (dB) *See Note 3	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
1.6621	42.3	74.0	31.7	2000 - 1 1 (0 (0	54.0	11.7	199	64	Н	39
4.4284	38.9	74.0	35.1		54.0	15.1	199	129	Н	39
4.9951	42.2	74.0	31.8		54.0	11.8	199	53	Н	39
5.4833	43.3	74.0	30.7	-	54.0	10.7	199	96	Н	39
5.6067	48.4	74.0	25.6		54.0	5.6	199	96	Н	39
5.8817	43.0	74.0	31.0		54.0	11.0	199	340	Н	39

Spurious Emissions above 1GHz - 25GHz

Freq (GHz)	Peak Value (dBµV/m)	Peak Limit (dBµV/m)	Peak Margin (dB)	AV Value (dBµV/m) *See Note 2	AV Limit (dBµV/m)	AV Margin (dB) *See Note 3	Height (cm)	Azimuth (Degrees)	Pol (H/V)	Ch
1.6621	45.8	74.0	28.2		54.0	8.2	101	152	Н	78
4.1254	50.0	74.0	24.0		54.0	4.0	101	353	V	78
5.0681	52.4	74.0	21.6		54.0	1.6	101	230	V	78
6.7811	45.6	74.0	28.4		54.0	8.4	100	68	V	78
6.9561	45.8	74.0	28.2		54.0	8.2	100	81	V	78
8.9223	48.1	74.0	25.9		54.0	5.9	100	35	V	78



<u>Notes</u>

- 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. The measurement was done at 3m. The measured results were extrapolated to the specified test limits as specified in § 15.209 (a) based on 40dB/decade.
- 6. 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.
- 7. 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.
- 8. EMI receiver Resolution Bandwidth (RBW) and Video Bandwidth (VBW) settings:

30MHz - 1GHz	/
RBW: 120kHz	VBW: 1MHz
<u>>1GHz</u>	
RBW: 1MHz	VBW: 3MHz

- 9. 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.
- 10. The channel in the table refers to the transmit channel of the EUT.
- 11. <u>Radiated Emissions Measurement Uncertainty</u> 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, in the range 30MHz – 25GHz is ±4.0dB.



47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) 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.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Instrumentation

Instrument	Model	S/No	Cal Due Date
Rohde & Schwarz EMI Test Receiver (20Hz – 26.5GHz)	ESMI	849182/003 848926/007	22 Apr 2017
Eletro-Metrics Double Ridged Antenna (Horn) Antenna (1-18GHz)	EM-6961	6525	24 Jan 2018
R&S Preamplifier (1GHz -18GHz)	SCU18	102191	11 Mar 2017
Micro-tronics Bandstop Filter (900MHz)	BRM14753	002	13 Aug 2017

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Setup

- 1. The EUT and supporting equipment were set up as shown in the setup photo.
- 2. The power supply for the EUT was connected to a filtered mains.
- 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:

b.

- RBW = 1MHz, VBW = 3RBW
- Average Plot
 - RBW = 1MHz, VBW = 10Hz
- 4. All other supporting equipment were powered separately from another filtered mains.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Method

- 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 with frequency hopping sequence on.
- 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.
- 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.
- 4. The steps 2 to 3 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.



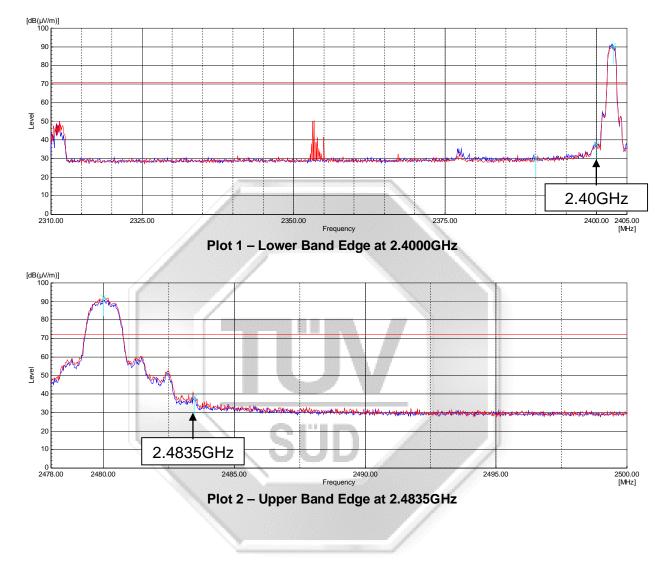
47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Results

Test Input Power	12Vdc	Temperature	24°C
Attached Plots	1-6	Relative Humidity	60%
Worst Modulation	8DPSK @ 3Mbps	Atmospheric Pressure	1030mbar
		Tested By	Nazrulhizat

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

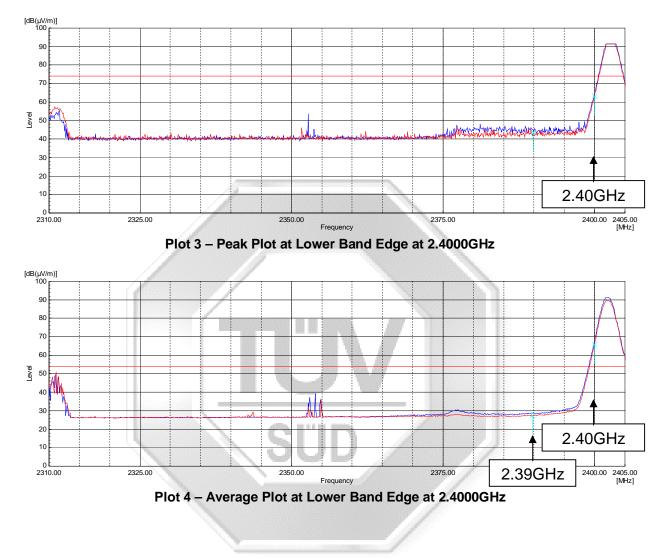






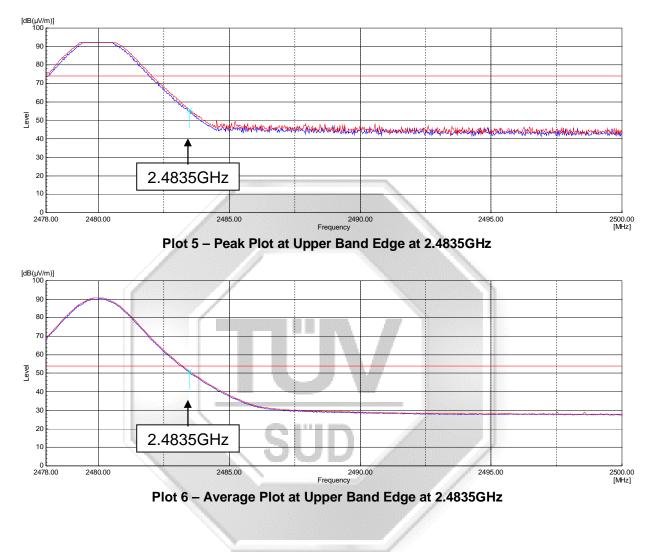
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)





Band Edge Compliance (Radiated) Plots (Restricted Band)





Band Edge Compliance (Radiated) Plots (Restricted Band)



MAXIMUM PERMISSIBLE EXPOSURE (MPE) TEST

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) 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	r in MHz							
2. Plane wave e								

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) Test Instrumentation

Instrument	Model	S/No	Cal Due Date
PMM 8053 Portable Field Meter	8053	0220J10308	20 Jan 2019
PMM EP330 Electric Field Probe	EP330	1010J10301	20 Jan 2019

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) Test Setup

- The EUT and supporting equipment were set up as shown on the setup photo. 1.
- The relevant field probe was positioned at least 20cm away from the EUT and supporting equipment 2. boundary.

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) Test Method

- The EUT was switched on and allowed to warm up to its normal operating condition. 1.
- 2.
- The test was first carried out at one of the positions / sides of the EUT. Power density measurement (mW/cm²) was made using the field meter set to the required averaging 3. time.
- 4. Steps 2 and 3 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 mW/cm^2

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

Therefore, margin = $0.3 - 1.0 = -0.7 \text{ mW/cm}^2$ i.e. 0.7 mW/cm² below limit



MAXIMUM PERMISSIBLE EXPOSURE (MPE) TEST

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) Results

Test Input Power	12Vdc	Temperature	24°C
Test Distance	20cm	Relative Humidity	60%
Worst Modulation	GFSK @ 1Mbps	Atmospheric Pressure	1030mbar
		Tested By	Chang Wai Kit

Channel	Channel Frequency (GHz)	Power Density Value (mW/cm ²)	Margin (mW/cm²)	Averaging Time (min)	Limit (mW/cm²)
0 (lower ch)	2.402	0.41	0.59	30	1.0
39 (mid ch)	2.441	0.44	0.56	30	1.0
78 (upper ch)	2.480	0.39	0.61	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.
- 3 <u>Maximum Permissible Exposure Measurement Uncertainty</u> 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, in the range 0.1MHz – 3GHz is ±15.0%.





Please note that this Report is issued under the following terms :

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