FCC/IC Test Report

Product Name	： Analog GPS Speedometer
Trade Name	： Omata
Model No.	： one
FCC ID.	： 2AOIMOMATA1
Equipment authorization required	： SDoC
IC ID	： 23478 OMATA1

Applicant ： Haltian Products Oy

Address ： Yrttipellontie 1D, 90230 Oulu, Finland

Date of Receipt ： Nov. 15, 2017

Issued Date ： Dec. 26, 2017

Report No. ： 17B0248R-RFUSP12V00

Report Version ： V2.0

Testing Laboratory
3024

Test Report Certification

Issued Date : Dec. 26, 2017
Report No. : 17B0248R-RFUSP12V00

Product Name	:	Analog GPS Speedometer
Applicant	:	Haltian Products Oy
Address	:	Yrttipellontie 1D, 90230 Oulu, Finland
Manufacturer	:	Haltian Products Oy
Model No.	:	one
FCC ID.	:	2AOIMOMATA1
Equipment authorization required	:	SDoC
IC ID	:	23478 OMATA1
EUT Voltage	:	DC 3.7V(power by battery) DC 5V(Power by PC)
Testing Voltage	:	DC 3.7V(power by battery) DC 5V(Power by PC)
Trade Name	:	Omata
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2016 Class B, ICES-003 Issue: 6: 2016 Class B
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By : Dem-Chang

(Demi Chang / Senior Engineering Adm. Specialist)

Tested By : clemens fang

(Clemens Fang / Engineer)

Approved By : Roy Wang

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
17B0248R-RFUSP12V00	V2.0	Initial issue of report	Dec. 26, 2017

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Analog GPS Speedometer
Trade Name	Omata
Model No.	one
Frequency Range/ Channel Number	2402~2480MHz / 79 Channels for ANT+ 2402~2480MHz / 40 Channels for BT 4.0
Type of Modulation	GFSK

Antenna Information	
Antenna Type	PIFA Antenna
Antenna Gain	0.8dBi

Accessories Information	
USB Cable	Shielded, 0.23m

ANT+

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 20	2422 MHz	Channel 40	2442 MHz	Channel 60	2462 MHz
Channel 01	2403 MHz	Channel 21	2423 MHz	Channel 41	2443 MHz	Channel 61	2463 MHz
Channel 02	2404 MHz	Channel 22	2424 MHz	Channel 42	2444 MHz	Channel 62	2464 MHz
Channel 03	2405 MHz	Channel 23	2425 MHz	Channel 43	2445 MHz	Channel 63	2465 MHz
Channel 04	2406 MHz	Channel 24	2426 MHz	Channel 44	2446 MHz	Channel 64	2466 MHz
Channel 05	2407 MHz	Channel 25	2427 MHz	Channel 45	2447 MHz	Channel 65	2467 MHz
Channel 06	2408 MHz	Channel 26	2428 MHz	Channel 46	2448 MHz	Channel 66	2468 MHz
Channel 07	2409 MHz	Channel 27	2429 MHz	Channel 47	2449 MHz	Channel 67	2469 MHz
Channel 08	2410 MHz	Channel 28	2430 MHz	Channel 48	2450 MHz	Channel 68	2470 MHz
Channel 09	2411 MHz	Channel 29	2431 MHz	Channel 49	2451 MHz	Channel 69	2471 MHz
Channel 10	2412 MHz	Channel 30	2432 MHz	Channel 50	2452 MHz	Channel 70	2472 MHz
Channel 11	2413 MHz	Channel 31	2433 MHz	Channel 51	2453 MHz	Channel 71	2473 MHz
Channel 12	2414 MHz	Channel 32	2434 MHz	Channel 52	2454 MHz	Channel 72	2474 MHz
Channel 13	2415 MHz	Channel 33	2435 MHz	Channel 53	2455 MHz	Channel 73	2475 MHz
Channel 14	2416 MHz	Channel 34	2436 MHz	Channel 54	2456 MHz	Channel 74	2476 MHz
Channel 15	2417 MHz	Channel 35	2437 MHz	Channel 55	2457 MHz	Channel 75	2477 MHz
Channel 16	2418 MHz	Channel 36	2438 MHz	Channel 56	2458 MHz	Channel 76	2478 MHz
Channel 17	2419 MHz	Channel 37	2439 MHz	Channel 57	2459 MHz	Channel 77	2479 MHz
Channel 18	2420 MHz	Channel 38	2440 MHz	Channel 58	2460 MHz	Channel 78	2480 MHz
Channel 19	2421 MHz	Channel 39	2441 MHz	Channel 59	2461 MHz		

Bluetooth 4.0

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 10	2422 MHz	Channel 20	2442 MHz	Channel 30	2462 MHz
Channel 01	2404 MHz	Channel 11	2424 MHz	Channel 21	2444 MHz	Channel 31	2464 MHz
Channel 02	2406 MHz	Channel 12	2426 MHz	Channel 22	2446 MHz	Channel 32	2466 MHz
Channel 03	2408 MHz	Channel 13	2428 MHz	Channel 23	2448 MHz	Channel 33	2468 MHz
Channel 04	2410 MHz	Channel 14	2430 MHz	Channel 24	2450 MHz	Channel 34	2470 MHz
Channel 05	2412 MHz	Channel 15	2432 MHz	Channel 25	2452 MHz	Channel 35	2472 MHz
Channel 06	2414 MHz	Channel 16	2434 MHz	Channel 26	2454 MHz	Channel 36	2474 MHz
Channel 07	2416MHz	Channel 17	2436 MHz	Channel 27	2456 MHz	Channel 37	2476 MHz
Channel 08	2418 MHz	Channel 18	2438 MHz	Channel 28	2458 MHz	Channel 38	2478 MHz
Channel 09	2420 MHz	Channel 19	2440 MHz	Channel 29	2460 MHz	Channel 39	2480 MHz

Note: This device is Analog GPS Speedometer supports BT4.0 and ANT+ transmitting and BT4.0, ANT+ and GPS receiving function.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

RX	Mode 1: RX_ANT+_Power by PC Mode 2: RX_ANT+_Power by Battery Mode 3: RX_BT_Power by PC Mode 4: RX_BT_Power by Battery Mode 5: Normal Link_Power by PC Mode 6: Normal Link_Power by Battery

Test Items	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6
Conducted Emission	No	No	No	No	No	No
Radiated Emission (Below 1GHz)	Yes	Yes	Yes	Yes	Yes	Yes
Radiated Emission (Above 1GHz)	Yes	No	Yes	No	Yes	No

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Test Mode		Mode 1: RX_ANT+_Power by PC Mode 3: RX_BT_Power by PC				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	DELL	PP26L	66TLZ1S	DoC	Non-Shielded, 1.8m

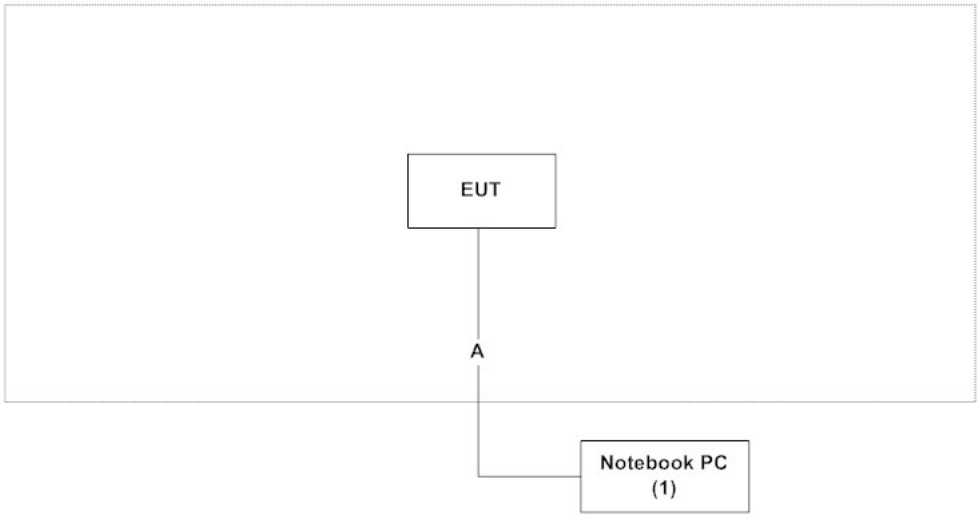
Test Mode		Mode 5: Normal Link_Power by PC				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	B590	WB1529782	DoC	Non-Shielded, 1.8m, one ferrite core bonded
2	USB Mouse	ASUS	MOARUOA	XB1000KM00070	DoC	Non-Shielded, 2m
3	Printer	HP	deskiet 5652	SG935131NN	DoC	Non-Shielded, 1.8m, one ferrite core bonded

Test Mode	Mode 2: RX_ANT+_Power by Battery Mode 4: RX_BT_Power by Battery Mode 6: Normal Link_Power by Battery				
Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
N/A					

1.4. Configuration of tested System

Test Mode	Mode 1: RX_ANT+_Power by PC Mode 3: RX_BT_Power by PC

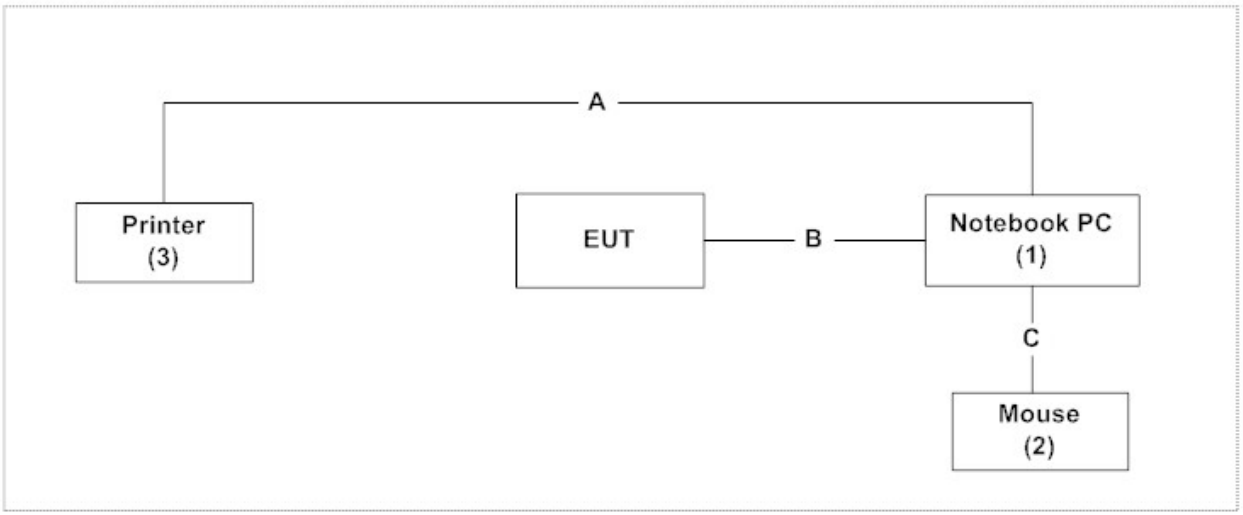
Connection Diagram



Signal Cable Type		Signal cable Description
A	USB Cable	Non-Shielded, 2m

Test Mode	Mode 5: Normal Link_Power by PC

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB CDD Cable	Shielded, 1.5m
B	USB Charging Cable	Non-Shielded, 0.5m
C	USB Mouse Cable	Non-Shielded, 2m

Test Mode	Mode 2: RX_ANT+_Power by Battery Mode 4: RX_BT_Power by Battery Mode 6: Normal Link_Power by Battery
Connection Diagram	

1.5. EUT Exercise Software

For RX mode

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “HEAT.exe”.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start” to start the continuous transmitting.
5	Verify that the EUT works properly.

For Normal Link mode

1	Test system is according to EUT user manual.
2	Connect the device and laptop.
3	Data will communicate by connect USB port.
4	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 B 15.107 Conducted Emission	15 - 35	25	--
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 B 15.109 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	65	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test Site information refers to Laboratory Information.

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

1 No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : info.tw@dekra.com

2 No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

3 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

2. Conducted Emission

2.1. Test Equipment

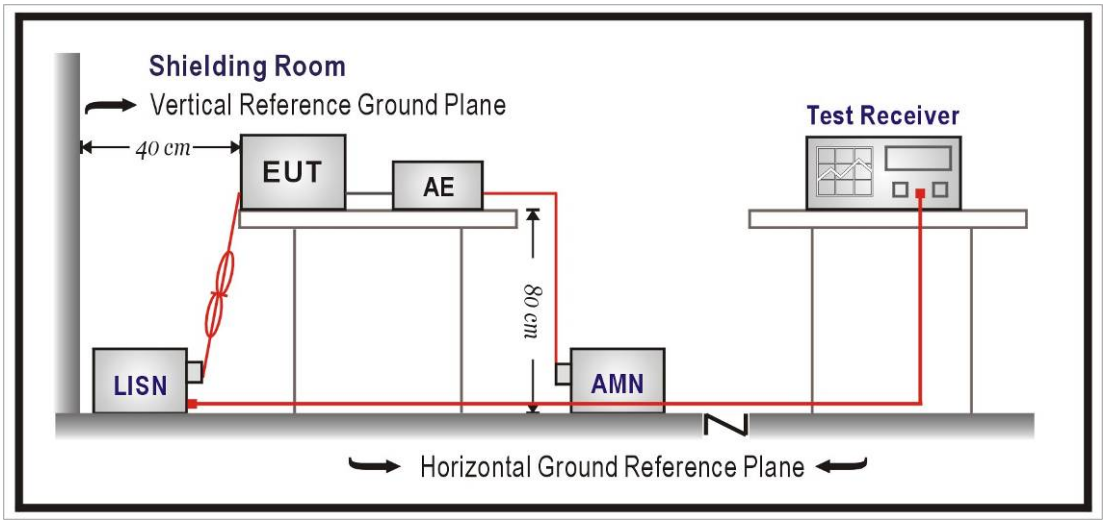
The following test equipment are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

Note: All equipment that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart B Paragraph 15.107 Limits (dBuV)				
Frequency MHz	Class A		Class B	
	QP	AV	QP	AV
0.15 - 0.50	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30	73	60	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9KHz.

2.5. Test Specification

According to FCC Part 15 Subpart B: 2016

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

EUT using DC input voltage, so the project does not have to test for this item.

3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the test:

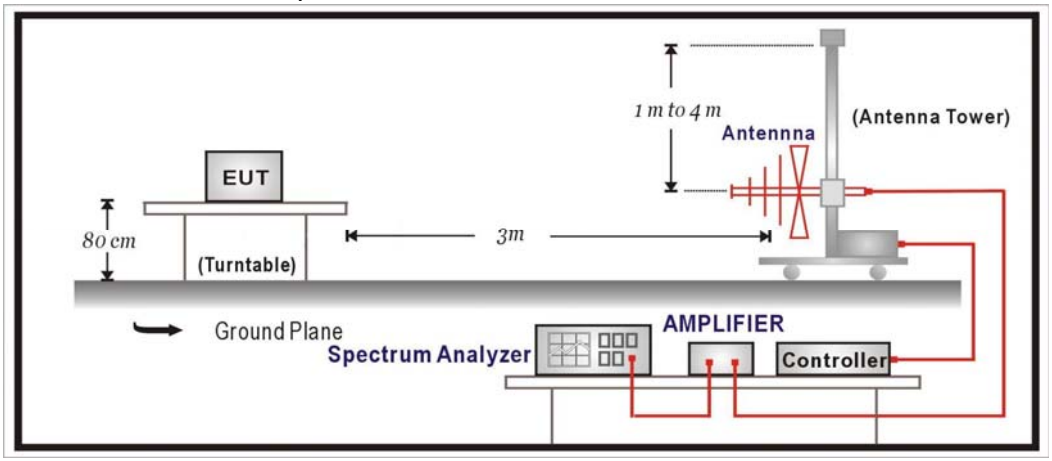
Radiated Emission / CB4-H, CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2017/02/15	2018/02/14
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

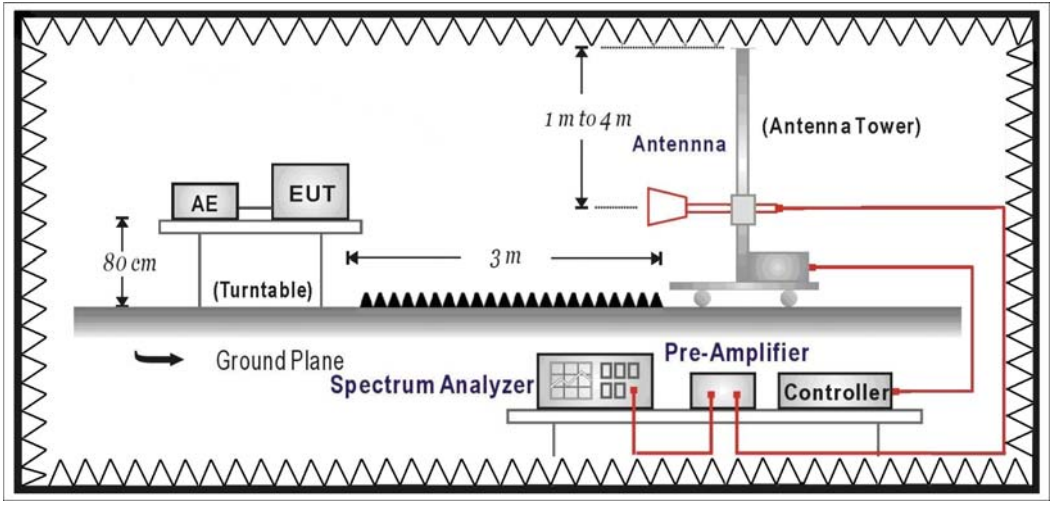
Note: All equipment that need to calibrate are with calibration period of 1 year.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limits

CISPR 22 Limits (dBuV/m)				
Frequency MHz	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 – 230	10	40	10	30
230 – 1000	10	47	10	37

Remark: 1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

FCC Part 15 Subpart B Paragraph 15.109 Limits				
Frequency MHz	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 - 88	10	39	3	40
88 - 216	10	43.5	3	43.5
216 - 960	10	46.4	3	46
Above 960	10	49.5	3	54

Remark: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Carrier current systems used as unintentional radiators or other unintentional radiators that are designed to conduct their radio frequency emissions via connecting wires or cables and that operate in the frequency range of 9 KHz to 30 MHz, including devices that deliver the radio frequency energy to transducers, such as ultrasonic devices not covered under part 18 of this chapter, shall comply with the radiated emission limits for intentional radiators provided in §15.209 for the frequency range of 9 KHz to 30 MHz. As an alternative, carrier current systems used as unintentional radiators and operating in the frequency range of 525 KHz to 1705 KHz may comply with the radiated emission limits provided in §15.221(a).

3.4. Test Procedure

Under 30MHz Test:

The EUT and its simulators are placed on a turn table which is 1.0 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum electric field strength. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna which is 1.0 meter above ground. All X-axis, Y-axis and Z-axis polarization of the antenna are set on measurement.

The bandwidth below 30MHz setting on the field strength meter is 200Hz and above 30MHz is 9 KHz.

The emission limit shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emission limit in these three bands are based on measurements employing an average detector.

Above 30MHz Test:

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

For class A, the EUT was positioned such that the distance from antenna to the EUT was 10 meters for under 1GHz and above 1GHz.

For class B, the EUT was positioned such that the distance from antenna to the EUT was 3 or 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz and above 1GHz is 1MHz.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission.

All of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

3.5. Test Specification

According to FCC Part 15 Subpart B: 2016

3.6. Uncertainty

The measurement uncertainty

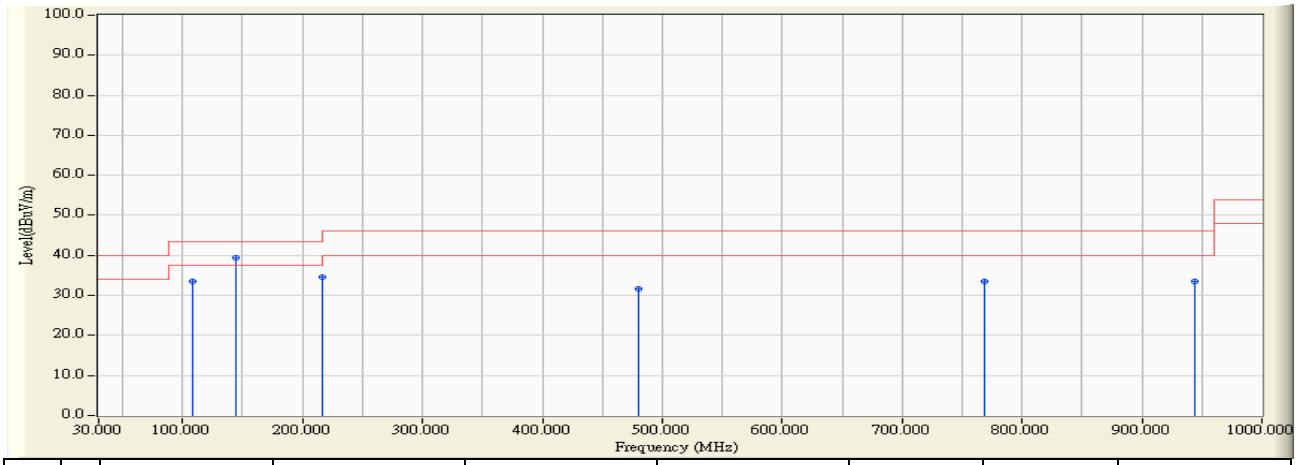
30MHz～1GHz as ±3.43dB

1GHz～26.5GHz as ±3.65dB

3.7. Test Result

30MHz-1GHz Spurious:

Site : CB4-H	**Time : 2017/12/02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2441MHz**

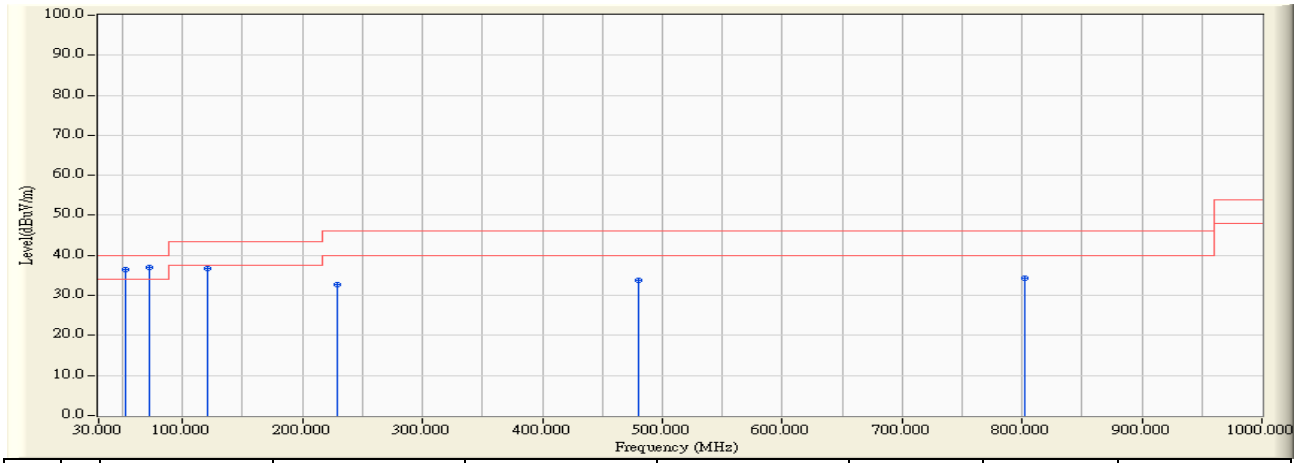


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		108.085	-21.967	55.477	33.510	-9.990	43.500	QUASIPEAK
2	*	143.975	-21.910	61.360	39.450	-4.050	43.500	QUASIPEAK
3		216.240	-22.300	56.855	34.554	-11.446	46.000	QUASIPEAK
4		479.595	-14.674	46.324	31.650	-14.350	46.000	QUASIPEAK
5		769.140	-11.281	44.772	33.492	-12.508	46.000	QUASIPEAK
6		944.225	-9.100	42.684	33.584	-12.416	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2441MHz**

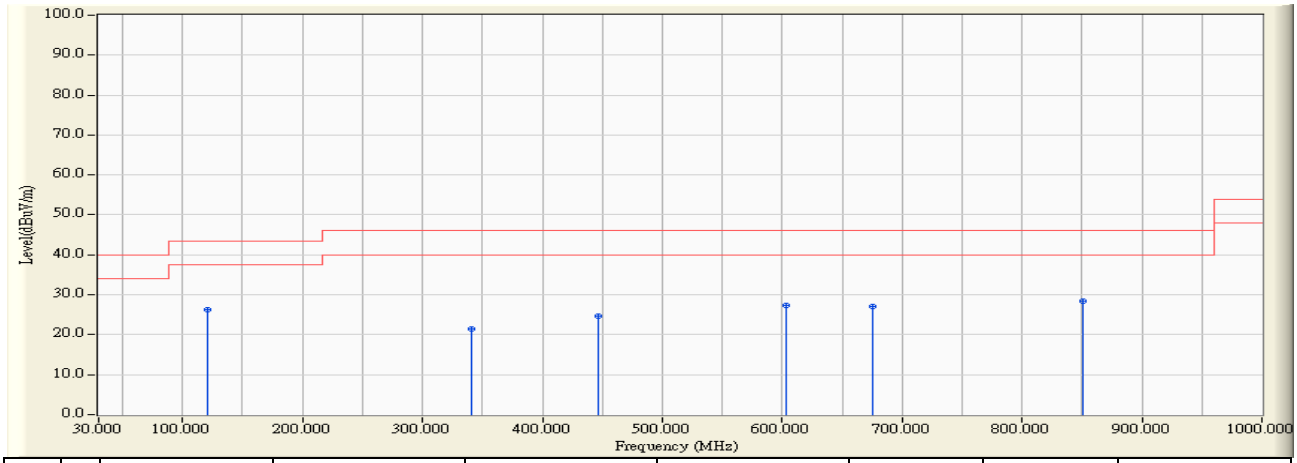


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.310	-25.908	62.437	36.529	-3.471	40.000	QUASIPEAK
2	*	72.195	-27.949	65.062	37.114	-2.886	40.000	QUASIPEAK
3		120.210	-20.943	57.553	36.609	-6.891	43.500	QUASIPEAK
4		228.850	-21.642	54.250	32.608	-13.392	46.000	QUASIPEAK
5		479.595	-14.674	48.375	33.701	-12.299	46.000	QUASIPEAK
6		802.120	-10.868	45.269	34.401	-11.599	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 2: RX_ANT+_Power by Battery_2441MHz**

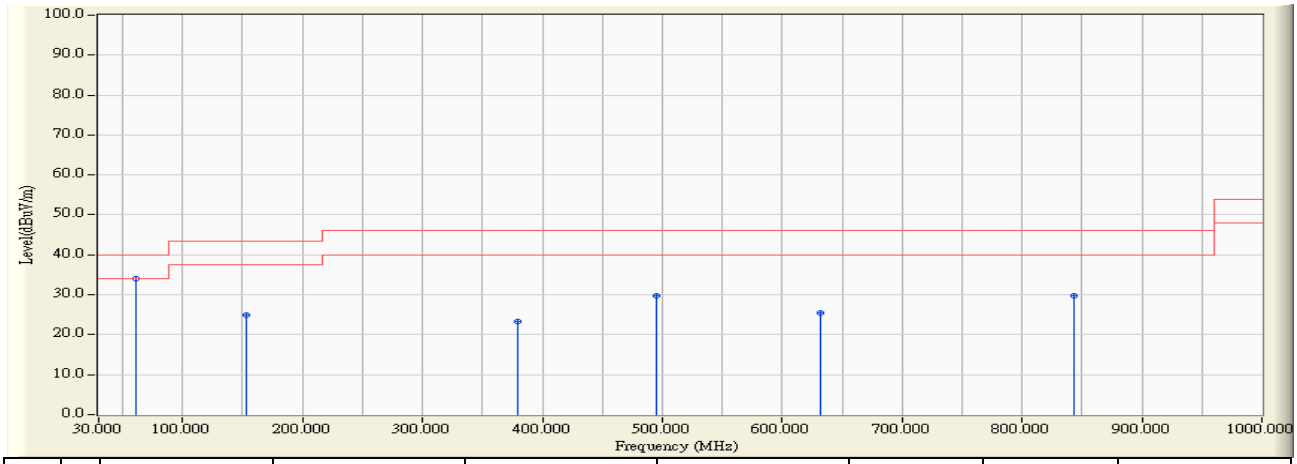


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	120.210	-20.178	46.466	26.288	-17.212	43.500	QUASIPEAK
2		340.400	-18.077	39.626	21.549	-24.451	46.000	QUASIPEAK
3		446.130	-15.708	40.253	24.544	-21.456	46.000	QUASIPEAK
4		603.270	-13.242	40.674	27.432	-18.568	46.000	QUASIPEAK
5		675.535	-12.603	39.752	27.149	-18.851	46.000	QUASIPEAK
6		850.620	-10.522	39.073	28.551	-17.449	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 2: RX_ANT+_Power by Battery_2441MHz**

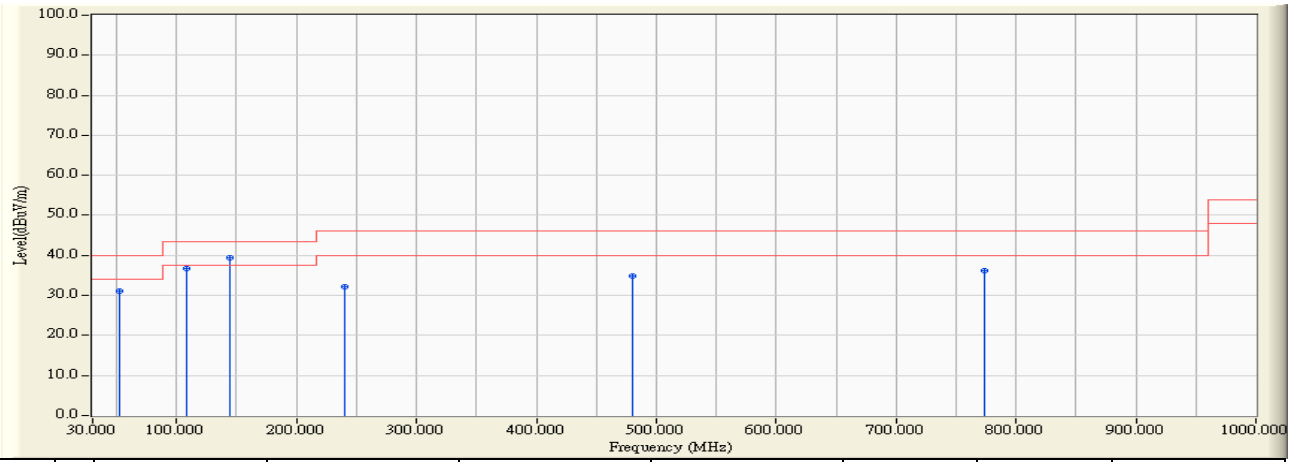


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	61.525	-27.680	61.776	34.096	-5.904	40.000	QUASIPEAK
2		153.675	-22.518	47.389	24.872	-18.628	43.500	QUASIPEAK
3		379.200	-17.022	40.403	23.380	-22.620	46.000	QUASIPEAK
4		494.630	-14.793	44.569	29.775	-16.225	46.000	QUASIPEAK
5		632.370	-12.982	38.415	25.434	-20.566	46.000	QUASIPEAK
6		843.345	-10.563	40.385	29.822	-16.178	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2440MHz**

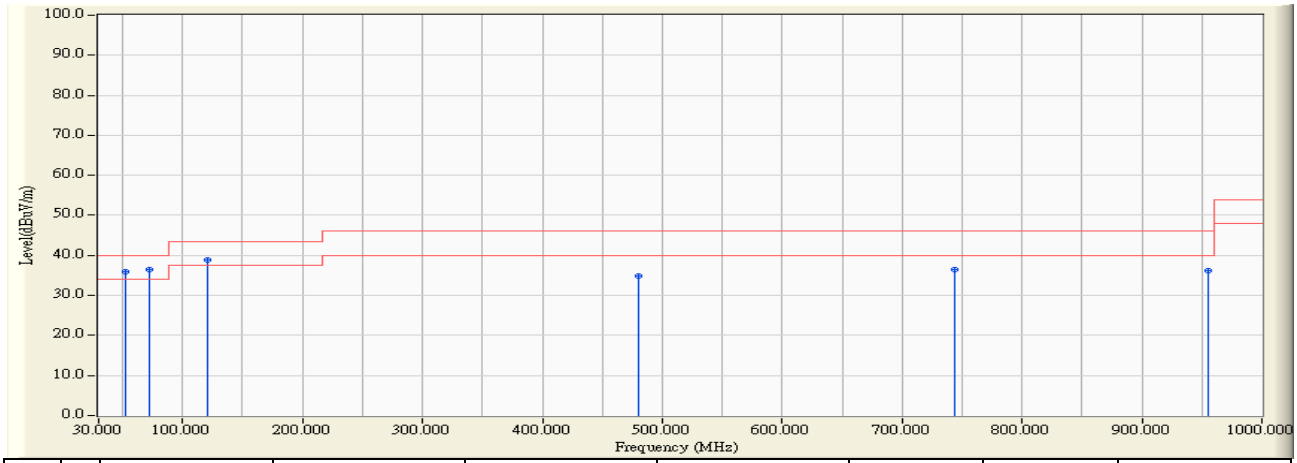


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.310	-25.908	56.987	31.079	-8.921	40.000	QUASIPEAK
2		108.085	-21.967	58.823	36.856	-6.644	43.500	QUASIPEAK
3	*	143.975	-21.910	61.292	39.382	-4.118	43.500	QUASIPEAK
4		240.005	-21.058	53.155	32.098	-13.902	46.000	QUASIPEAK
5		480.080	-14.639	49.447	34.808	-11.192	46.000	QUASIPEAK
6		773.505	-11.189	47.408	36.218	-9.782	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2440MHz**

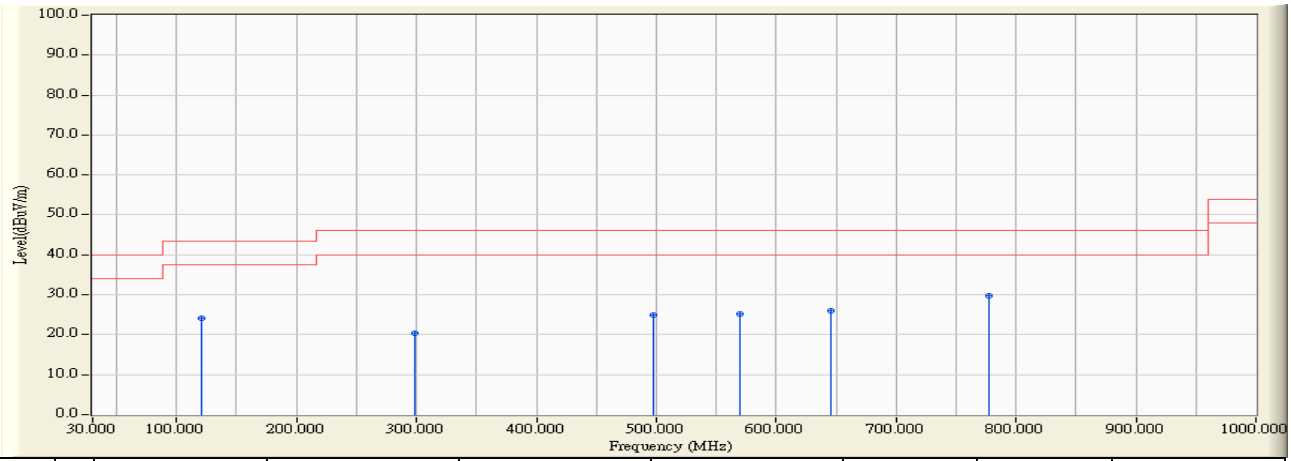


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.310	-25.908	61.782	35.874	-4.126	40.000	QUASIPEAK
2	*	71.710	-27.652	64.081	36.429	-3.571	40.000	QUASIPEAK
3		120.210	-20.943	59.937	38.993	-4.507	43.500	QUASIPEAK
4		479.595	-14.674	49.659	34.985	-11.015	46.000	QUASIPEAK
5		744.405	-11.662	48.027	36.365	-9.635	46.000	QUASIPEAK
6		954.895	-8.940	45.030	36.090	-9.910	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 4: RX_BT_Power by Battery_2440MHz**

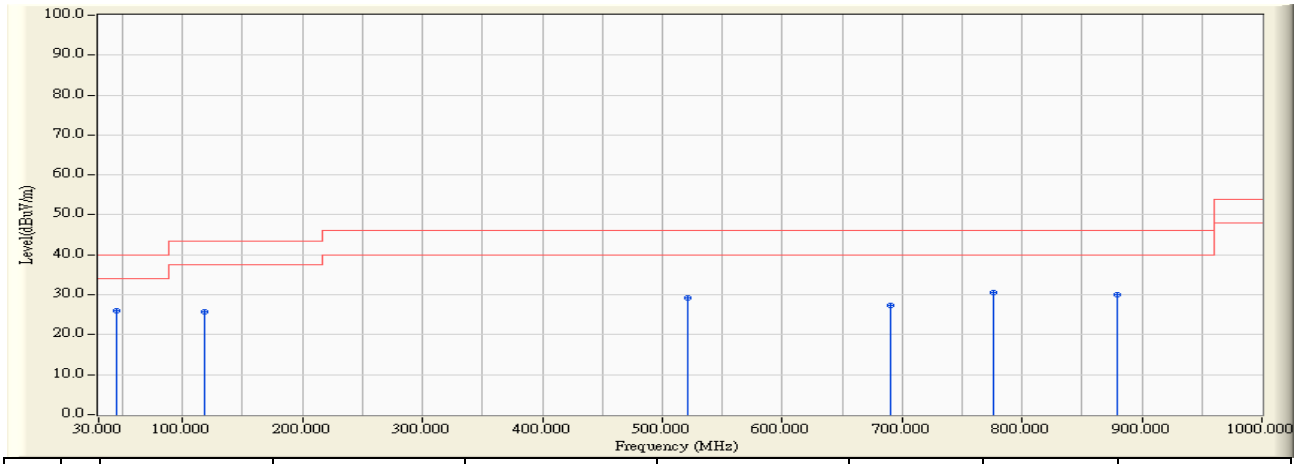


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		120.210	-20.178	44.200	24.022	-19.478	43.500	QUASIPEAK
2		298.205	-19.483	39.845	20.362	-25.638	46.000	QUASIPEAK
3		497.540	-14.848	39.901	25.053	-20.947	46.000	QUASIPEAK
4		569.320	-13.678	38.794	25.116	-20.884	46.000	QUASIPEAK
5		644.980	-13.045	39.026	25.981	-20.019	46.000	QUASIPEAK
6	*	776.900	-11.395	41.277	29.882	-16.118	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 4: RX_BT_Power by Battery_2440MHz**

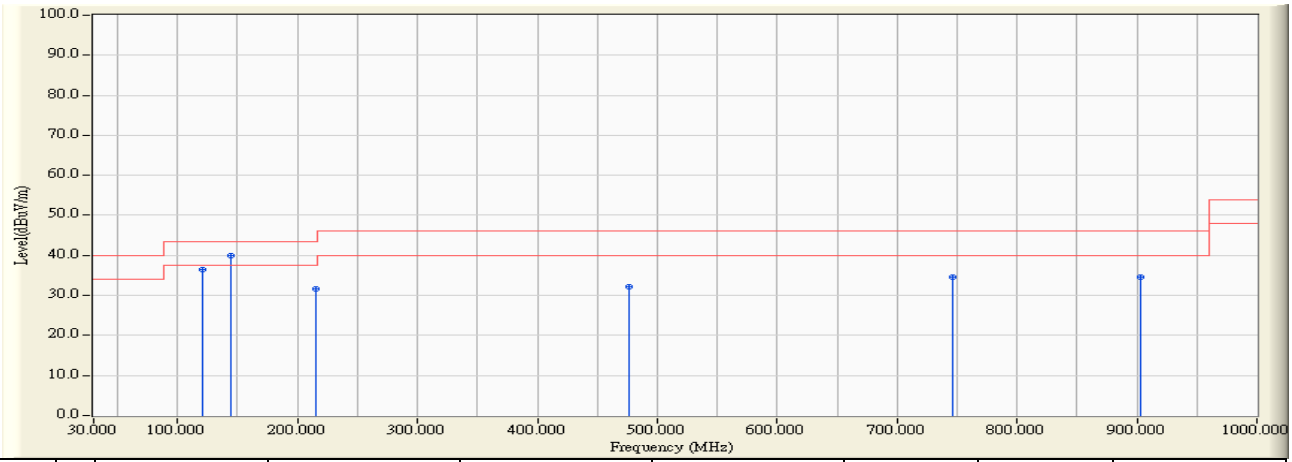


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.520	-21.705	47.806	26.101	-13.899	40.000	QUASIPEAK
2		118.270	-20.310	45.977	25.667	-17.833	43.500	QUASIPEAK
3		520.820	-14.098	43.368	29.271	-16.729	46.000	QUASIPEAK
4		690.085	-12.497	39.884	27.387	-18.613	46.000	QUASIPEAK
5		776.415	-11.327	41.820	30.492	-15.508	46.000	QUASIPEAK
6		878.750	-10.132	40.127	29.996	-16.004	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 5: Normal Link_Power by PC**

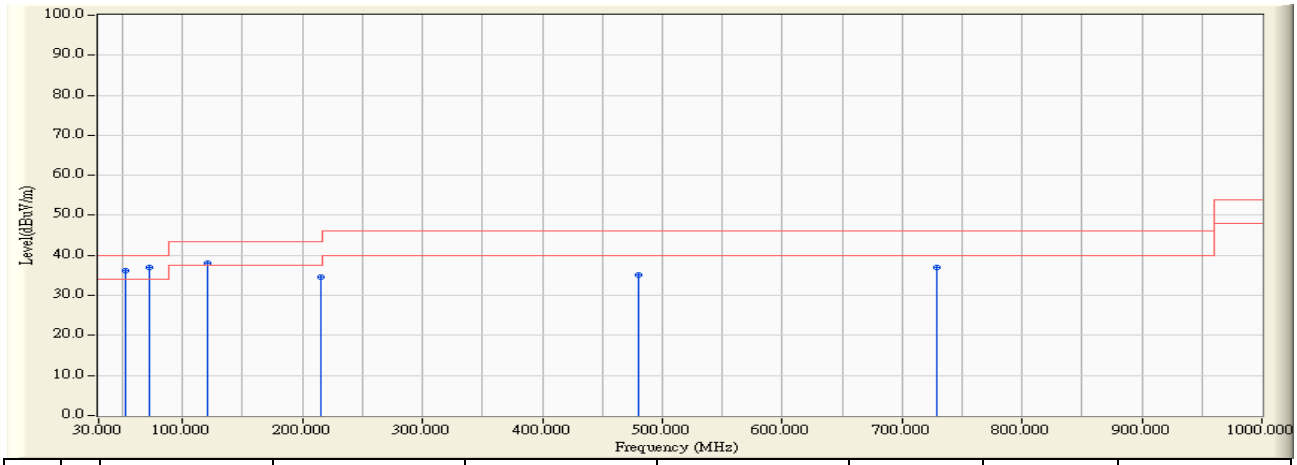


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		120.210	-20.943	57.484	36.540	-6.960	43.500	QUASIPEAK
2	*	143.975	-21.910	61.857	39.947	-3.553	43.500	QUASIPEAK
3		215.755	-22.277	54.042	31.766	-11.734	43.500	QUASIPEAK
4		476.200	-14.946	47.146	32.200	-13.800	46.000	QUASIPEAK
5		746.345	-11.554	46.124	34.570	-11.430	46.000	QUASIPEAK
6		903.485	-9.662	44.197	34.535	-11.465	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 5: Normal Link_Power by PC**

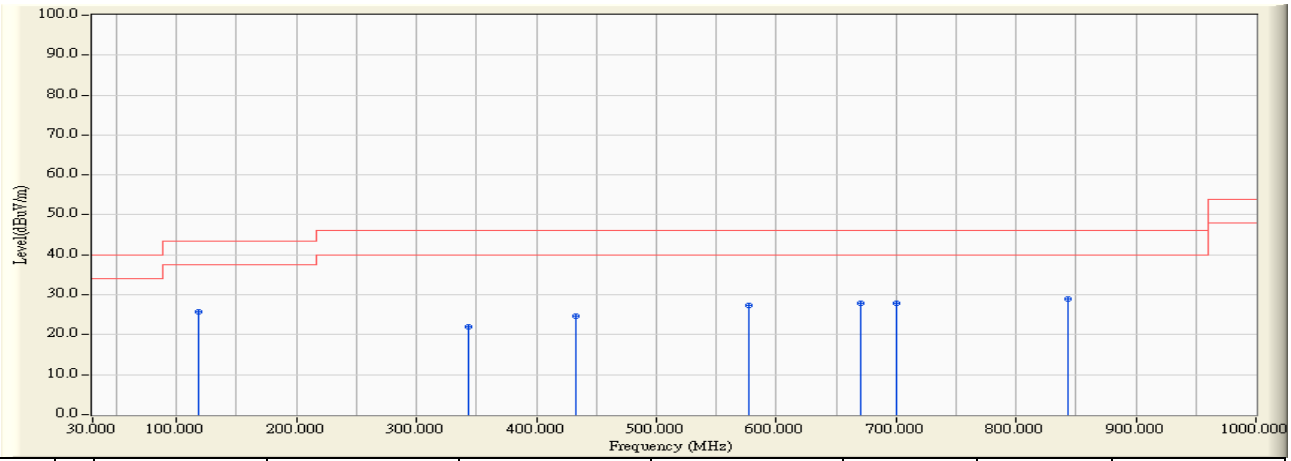


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		52.795	-25.968	62.182	36.214	-3.786	40.000	QUASIPEAK
2	*	72.195	-27.949	64.906	36.958	-3.042	40.000	QUASIPEAK
3		120.210	-20.943	59.083	38.139	-5.361	43.500	QUASIPEAK
4		215.755	-22.277	56.814	34.538	-8.962	43.500	QUASIPEAK
5		479.595	-14.674	49.826	35.152	-10.848	46.000	QUASIPEAK
6		728.885	-11.748	48.744	36.996	-9.004	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 6: Normal Link_Power by Battery**

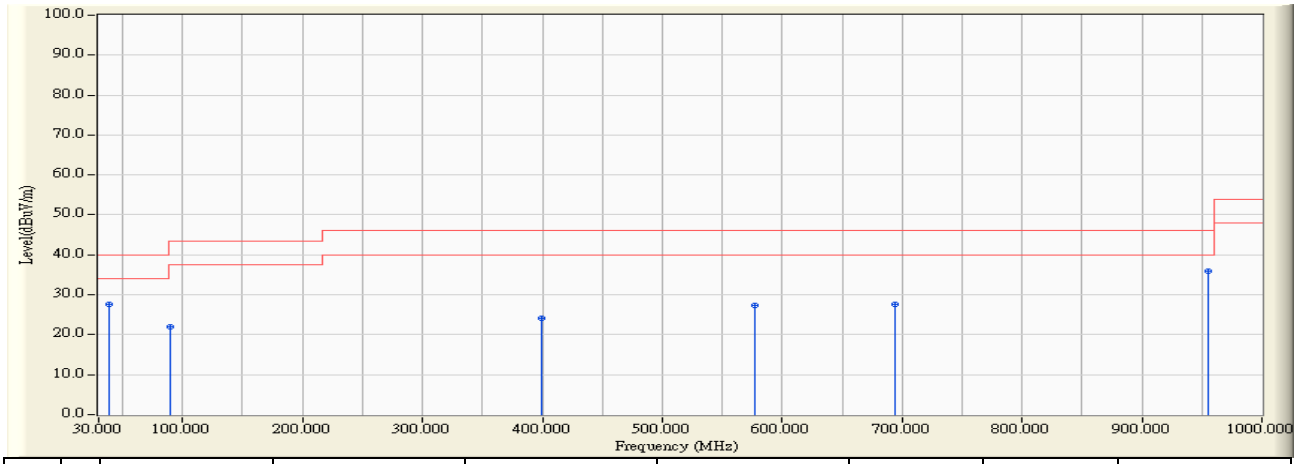


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		118.270	-20.310	45.977	25.667	-17.833	43.500	QUASIPEAK
2		343.310	-18.082	40.034	21.951	-24.049	46.000	QUASIPEAK
3		433.520	-15.651	40.306	24.655	-21.345	46.000	QUASIPEAK
4		577.565	-13.600	40.978	27.379	-18.621	46.000	QUASIPEAK
5		670.200	-12.631	40.424	27.793	-18.207	46.000	QUASIPEAK
6		700.270	-12.435	40.272	27.837	-18.163	46.000	QUASIPEAK
7	*	843.345	-10.563	39.417	28.854	-17.146	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	**Time : 2017/12/14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 3.7V(Battery)**
EUT : Analog GPS Speedometer	**Note : Mode 6: Normal Link_Power by Battery**



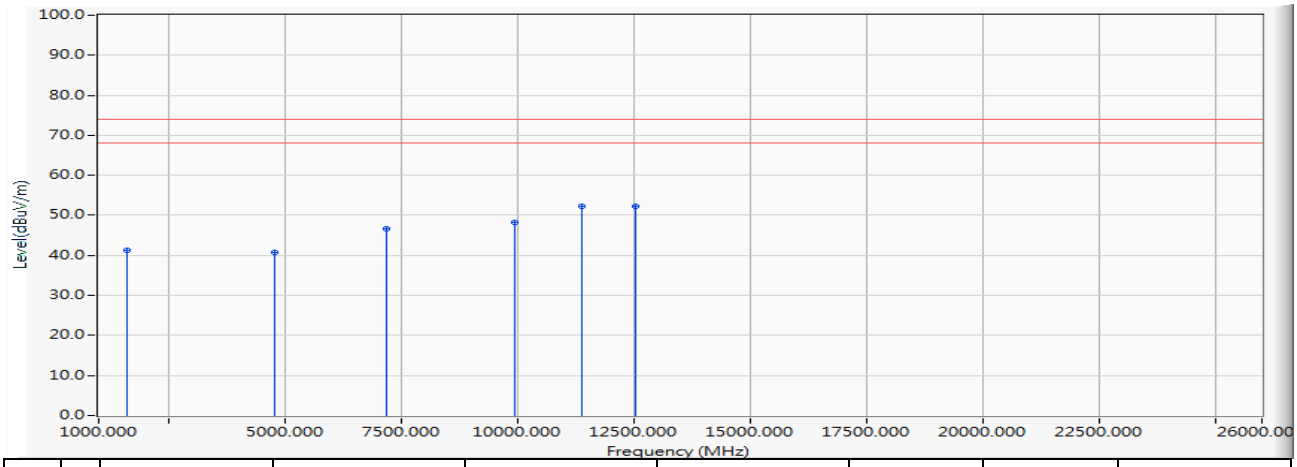
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.245	-13.717	41.319	27.602	-12.398	40.000	QUASIPEAK
2		90.140	-24.291	46.152	21.861	-21.639	43.500	QUASIPEAK
3		399.570	-16.344	40.403	24.059	-21.941	46.000	QUASIPEAK
4		577.565	-13.600	40.978	27.379	-18.621	46.000	QUASIPEAK
5		693.480	-12.413	40.130	27.717	-18.283	46.000	QUASIPEAK
6	*	954.895	-9.167	45.176	36.009	-9.991	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Above 1GHz Spurious:

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2402MHz**

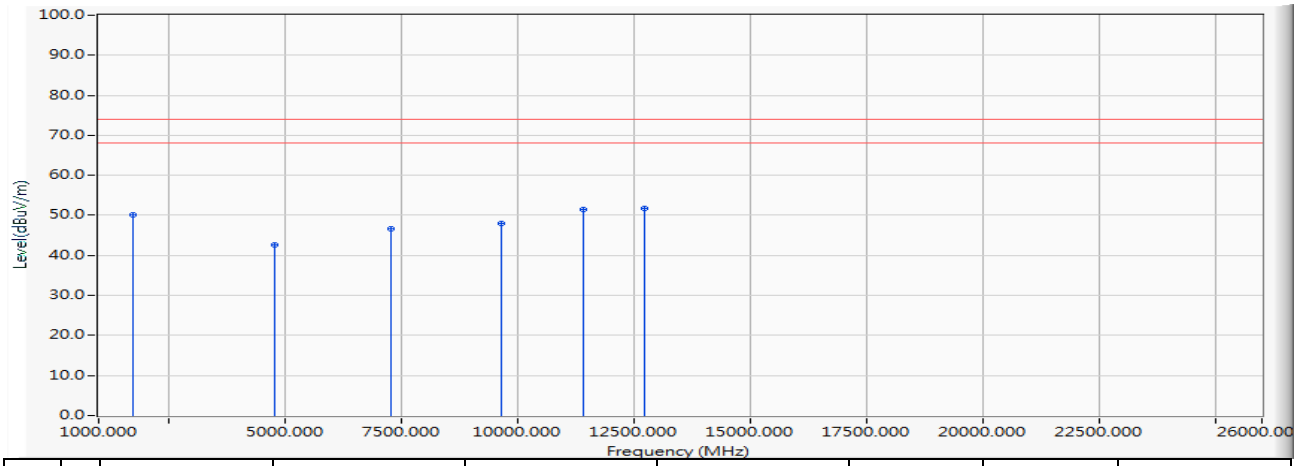


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	53.876	41.381	-32.619	74.000	PEAK
2		4795.000	-0.222	40.872	40.650	-33.350	74.000	PEAK
3		7192.500	6.922	39.819	46.742	-27.258	74.000	PEAK
4		9927.500	13.102	35.115	48.217	-25.783	74.000	PEAK
5	*	11390.000	16.335	36.007	52.343	-21.657	74.000	PEAK
6		12525.000	16.457	35.726	52.183	-21.817	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2402MHz**

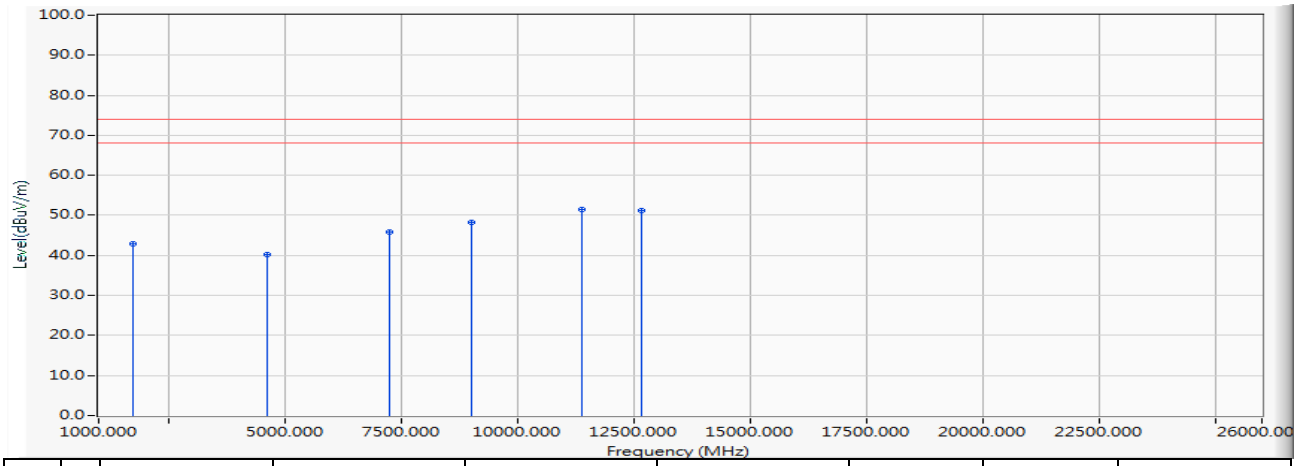


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1735.000	-12.009	62.136	50.127	-23.873	74.000	PEAK
2		4787.500	-0.233	42.925	42.692	-31.308	74.000	PEAK
3		7270.000	7.363	39.294	46.657	-27.343	74.000	PEAK
4		9642.500	12.602	35.505	48.108	-25.892	74.000	PEAK
5		11412.500	16.461	35.082	51.542	-22.458	74.000	PEAK
6	*	12717.500	16.444	35.338	51.783	-22.217	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2441MHz**

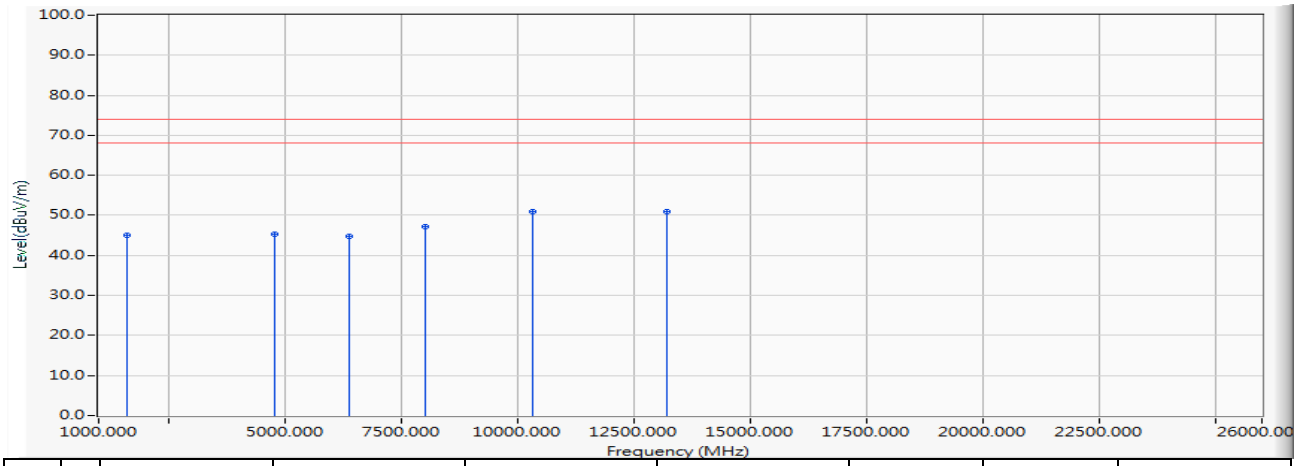


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1742.500	-11.984	54.838	42.855	-31.145	74.000	PEAK
2		4630.000	-1.059	41.342	40.283	-33.717	74.000	PEAK
3		7260.000	7.342	38.467	45.808	-28.192	74.000	PEAK
4		9022.500	11.777	36.563	48.340	-25.660	74.000	PEAK
5	*	11395.000	16.363	35.142	51.505	-22.495	74.000	PEAK
6		12675.000	16.447	34.872	51.319	-22.681	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2441MHz**

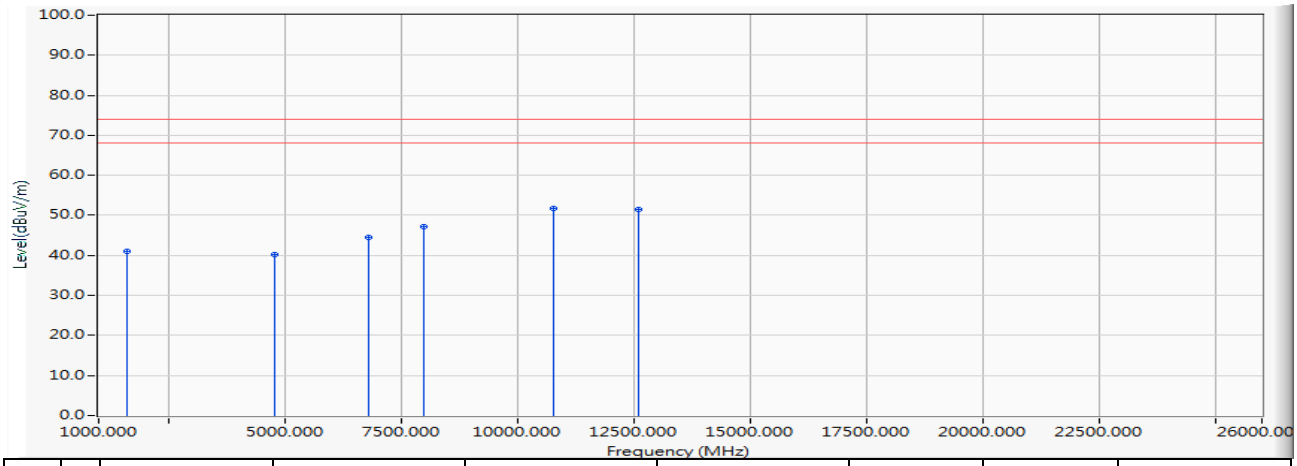


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	57.647	45.152	-28.848	74.000	PEAK
2		4795.000	-0.222	45.435	45.213	-28.787	74.000	PEAK
3		6397.500	3.925	40.789	44.714	-29.286	74.000	PEAK
4		8017.500	9.507	37.607	47.114	-26.886	74.000	PEAK
5		10342.500	14.222	36.596	50.818	-23.182	74.000	PEAK
6	*	13200.000	16.774	34.173	50.947	-23.053	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2480MHz**

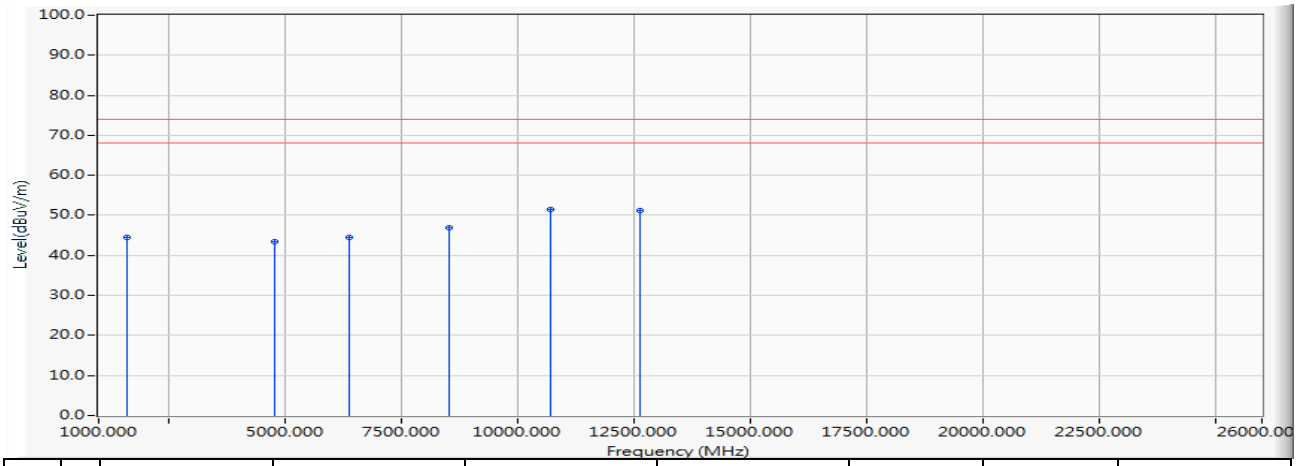


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	53.587	41.092	-32.908	74.000	PEAK
2		4787.500	-0.233	40.548	40.315	-33.685	74.000	PEAK
3		6800.000	5.518	38.924	44.442	-29.558	74.000	PEAK
4		7977.500	9.551	37.752	47.304	-26.696	74.000	PEAK
5	*	10782.500	15.657	35.978	51.635	-22.365	74.000	PEAK
6		12610.000	16.452	35.058	51.510	-22.490	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 1: RX_ANT+_Power by PC_2480MHz**

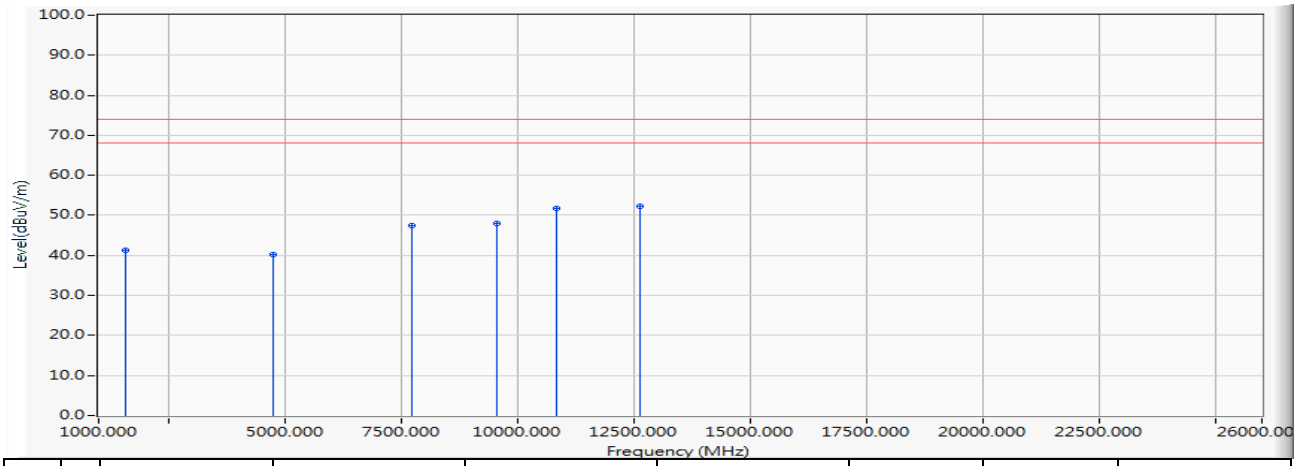


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	57.073	44.578	-29.422	74.000	PEAK
2		4792.500	-0.225	43.604	43.378	-30.622	74.000	PEAK
3		6370.000	3.799	40.812	44.611	-29.389	74.000	PEAK
4		8530.000	9.554	37.349	46.903	-27.097	74.000	PEAK
5	*	10717.500	15.540	35.941	51.481	-22.519	74.000	PEAK
6		12622.500	16.450	34.667	51.118	-22.882	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2402MHz**

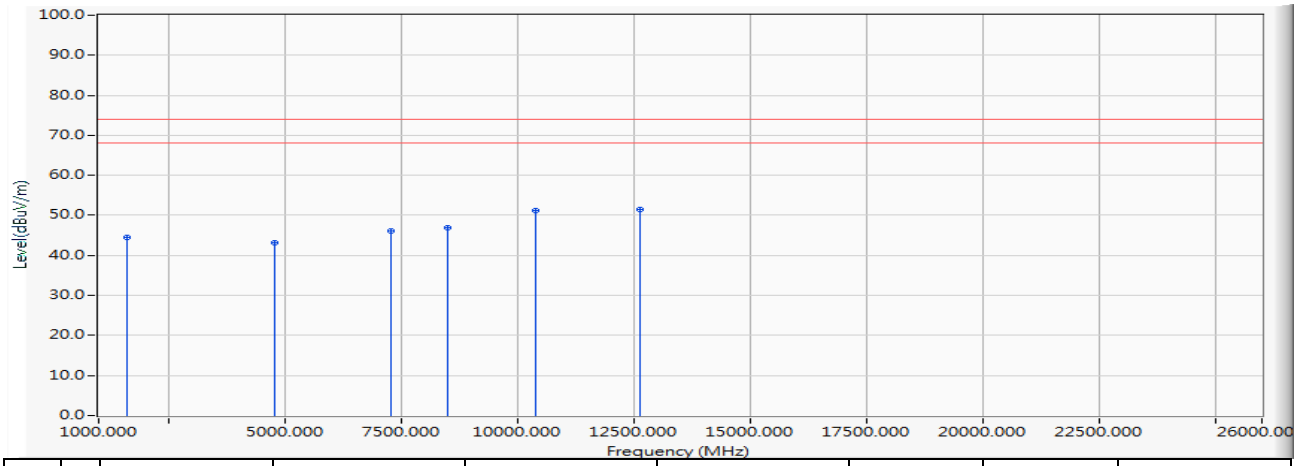


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1592.500	-12.505	53.896	41.392	-32.608	74.000	PEAK
2		4742.500	-0.345	40.622	40.277	-33.723	74.000	PEAK
3		7735.000	8.809	38.526	47.336	-26.664	74.000	PEAK
4		9547.500	12.367	35.551	47.918	-26.082	74.000	PEAK
5		10845.000	15.651	36.062	51.713	-22.287	74.000	PEAK
6	*	12622.500	16.450	35.742	52.193	-21.807	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2402MHz**

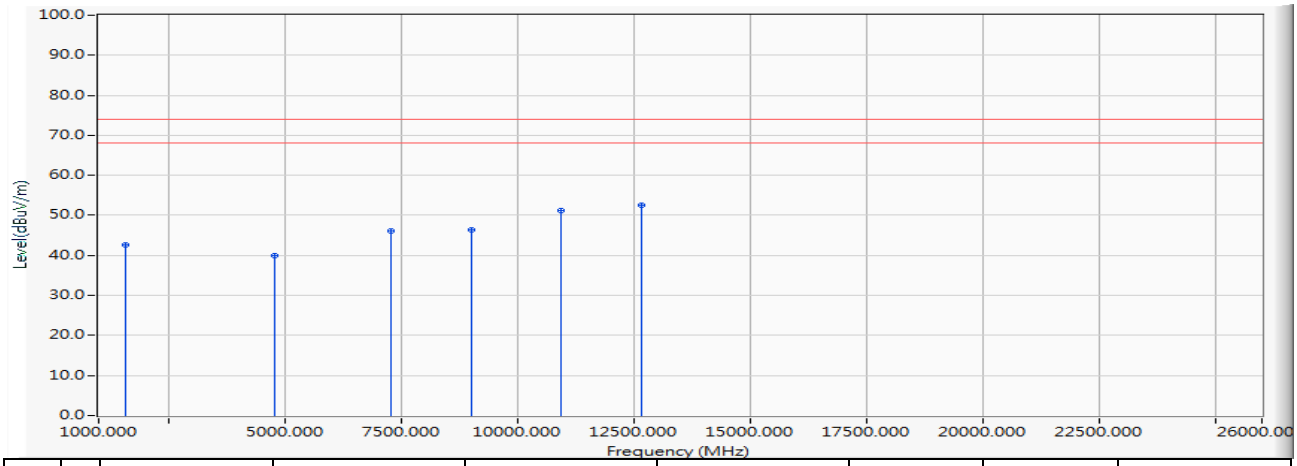


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	56.890	44.395	-29.605	74.000	PEAK
2		4790.000	-0.230	43.435	43.206	-30.794	74.000	PEAK
3		7282.500	7.347	38.717	46.063	-27.937	74.000	PEAK
4		8500.000	9.623	37.265	46.888	-27.112	74.000	PEAK
5		10375.000	14.362	36.740	51.102	-22.898	74.000	PEAK
6	*	12640.000	16.450	34.898	51.348	-22.652	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2440MHz**

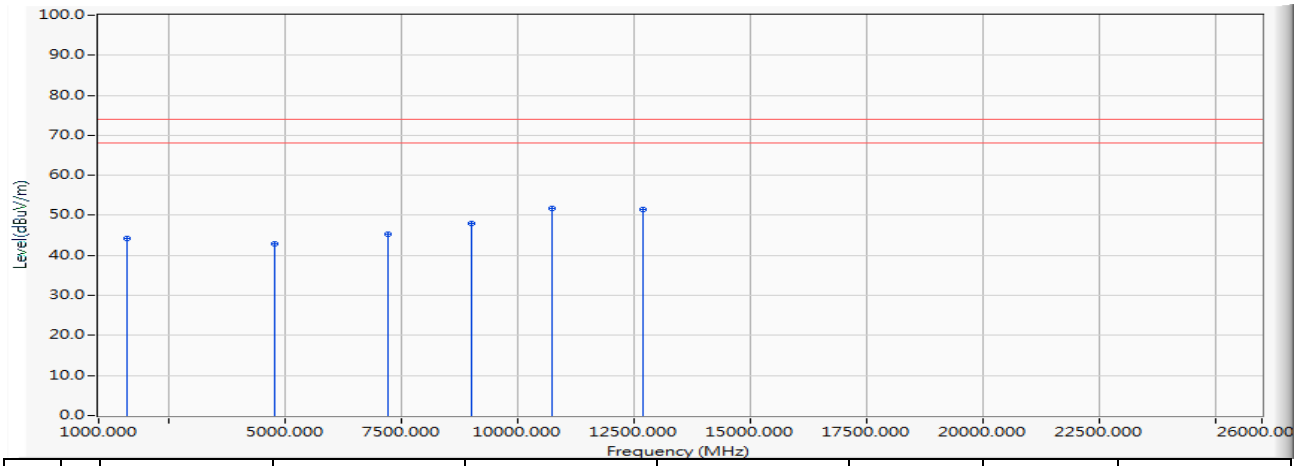


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1592.500	-12.505	55.050	42.546	-31.454	74.000	PEAK
2		4780.000	-0.245	40.140	39.895	-34.105	74.000	PEAK
3		7280.000	7.352	38.827	46.179	-27.821	74.000	PEAK
4		9007.500	11.744	34.768	46.512	-27.488	74.000	PEAK
5		10945.000	15.643	35.449	51.092	-22.908	74.000	PEAK
6	*	12665.000	16.448	36.012	52.460	-21.540	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2440MHz**

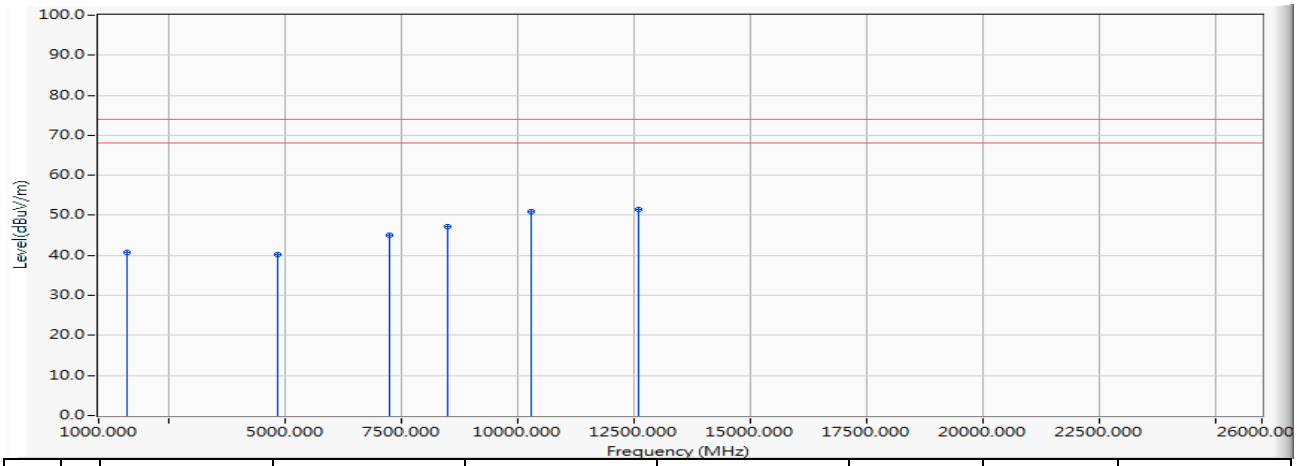


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	56.721	44.226	-29.774	74.000	PEAK
2		4795.000	-0.222	43.182	42.960	-31.040	74.000	PEAK
3		7207.500	6.985	38.236	45.221	-28.779	74.000	PEAK
4		9002.500	11.532	36.538	48.069	-25.931	74.000	PEAK
5	*	10750.000	15.646	36.117	51.762	-22.238	74.000	PEAK
6		12692.500	16.445	35.027	51.473	-22.527	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2480MHz**

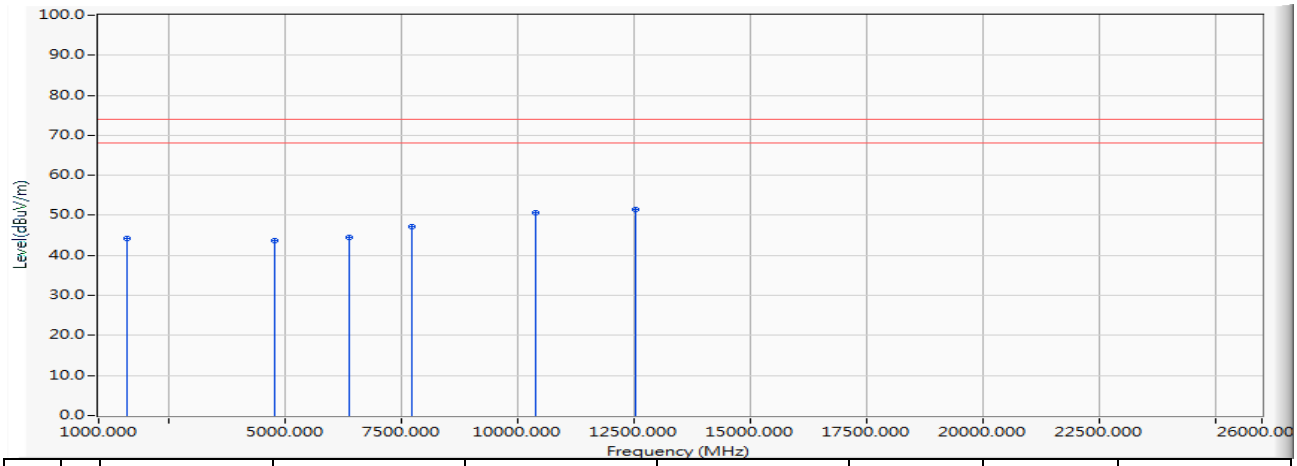


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	53.193	40.698	-33.302	74.000	PEAK
2		4832.500	-0.190	40.355	40.166	-33.834	74.000	PEAK
3		7247.500	7.228	37.801	45.030	-28.970	74.000	PEAK
4		8497.500	9.628	37.435	47.063	-26.937	74.000	PEAK
5		10297.500	14.021	36.810	50.832	-23.168	74.000	PEAK
6	*	12617.500	16.451	34.999	51.450	-22.550	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/11/30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 3: RX_BT_Power by PC_2480MHz**

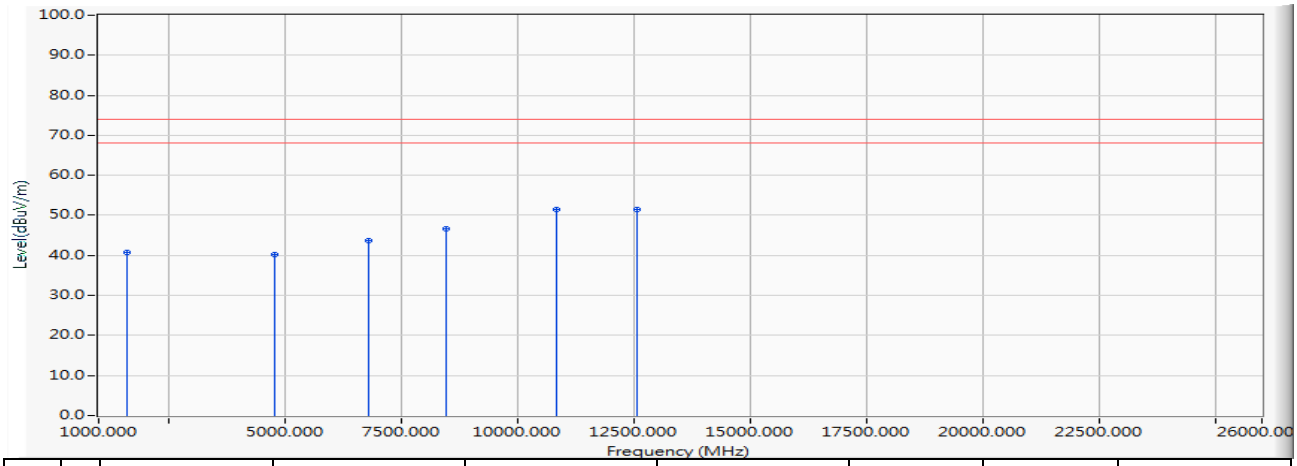


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1595.000	-12.496	56.836	44.341	-29.659	74.000	PEAK
2		4792.500	-0.225	44.023	43.797	-30.203	74.000	PEAK
3		6397.500	3.925	40.555	44.480	-29.520	74.000	PEAK
4		7732.500	8.802	38.279	47.081	-26.919	74.000	PEAK
5		10380.000	14.353	36.363	50.716	-23.284	74.000	PEAK
6	*	12547.500	16.455	35.112	51.568	-22.432	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/12/02**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 5: Normal Link_Power by PC**

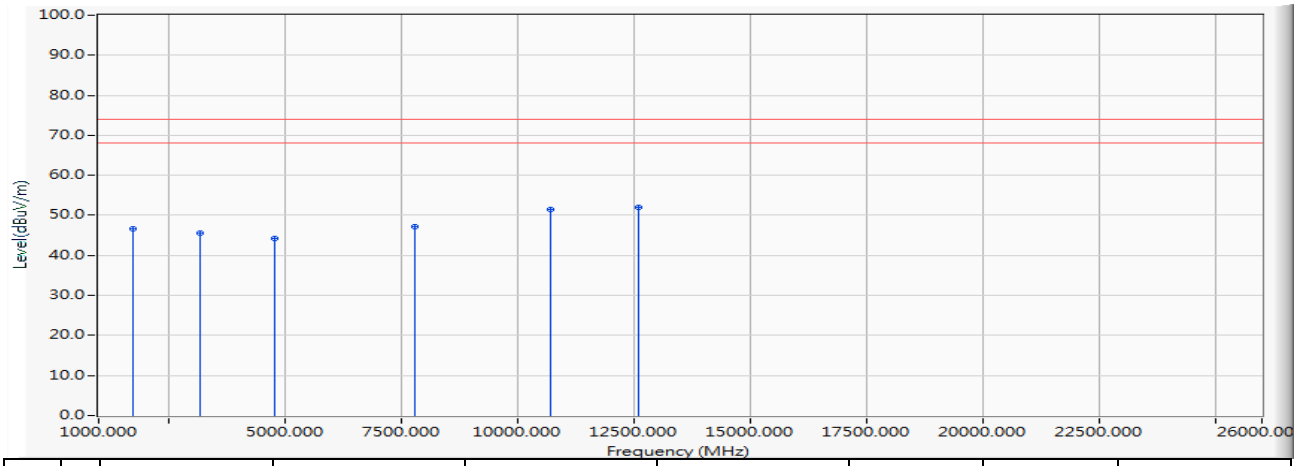


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1597.500	-12.487	53.192	40.705	-33.295	74.000	PEAK
2		4790.000	-0.230	40.563	40.334	-33.666	74.000	PEAK
3		6812.500	5.568	38.105	43.673	-30.327	74.000	PEAK
4		8482.500	9.638	37.051	46.689	-27.311	74.000	PEAK
5		10825.000	15.653	35.710	51.363	-22.637	74.000	PEAK
6	*	12582.500	16.453	35.127	51.580	-22.420	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : DEKRA Taiwan CB2-H	**Time : 2017/12/02**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Analog GPS Speedometer	**Note : Mode 5: Normal Link_Power by PC**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1735.000	-12.009	58.689	46.680	-27.320	74.000	PEAK
2		3190.000	-6.815	52.496	45.681	-28.319	74.000	PEAK
3		4795.000	-0.222	44.355	44.133	-29.867	74.000	PEAK
4		7797.500	9.000	38.211	47.211	-26.789	74.000	PEAK
5		10715.000	15.530	36.009	51.539	-22.461	74.000	PEAK
6	*	12595.000	16.453	35.571	52.024	-21.976	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

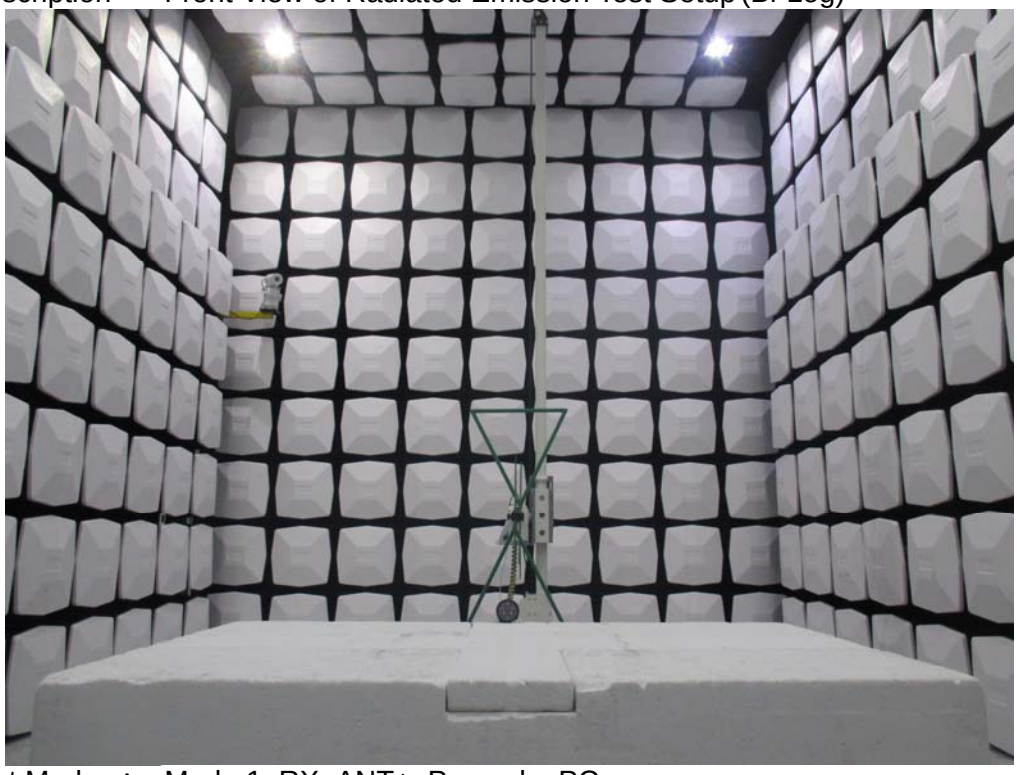
Attachment 1

- **Test Setup Photograph**

<Radiated Emission>

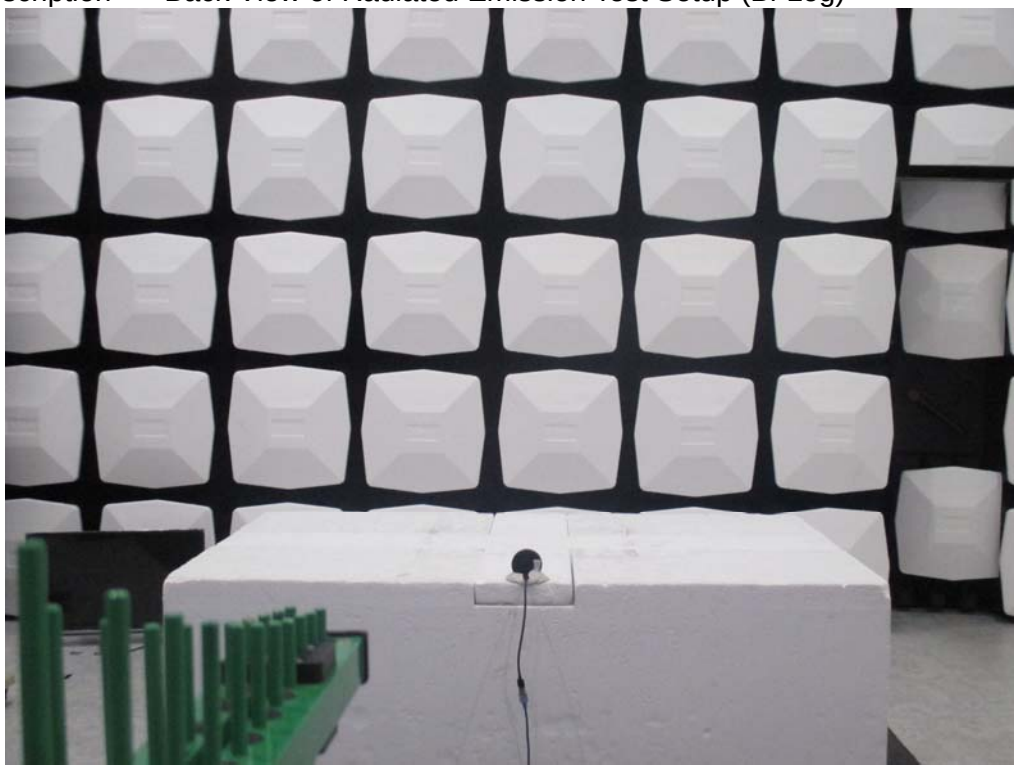
Test Mode ： Mode 1: RX_ANT+_Power by PC
Mode 3: RX_BT_Power by PC

Description： Front View of Radiated Emission Test Setup (Bi-Log)



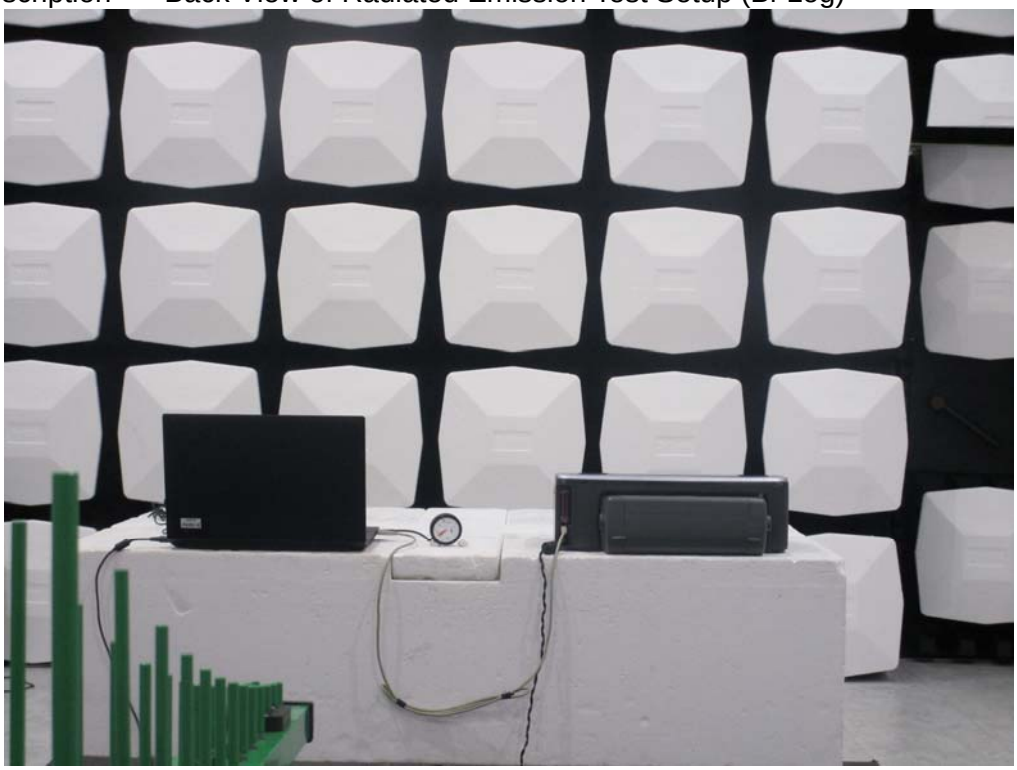
Test Mode ： Mode 1: RX_ANT+_Power by PC
Mode 3: RX_BT_Power by PC

Description： Back View of Radiated Emission Test Setup (Bi-Log)



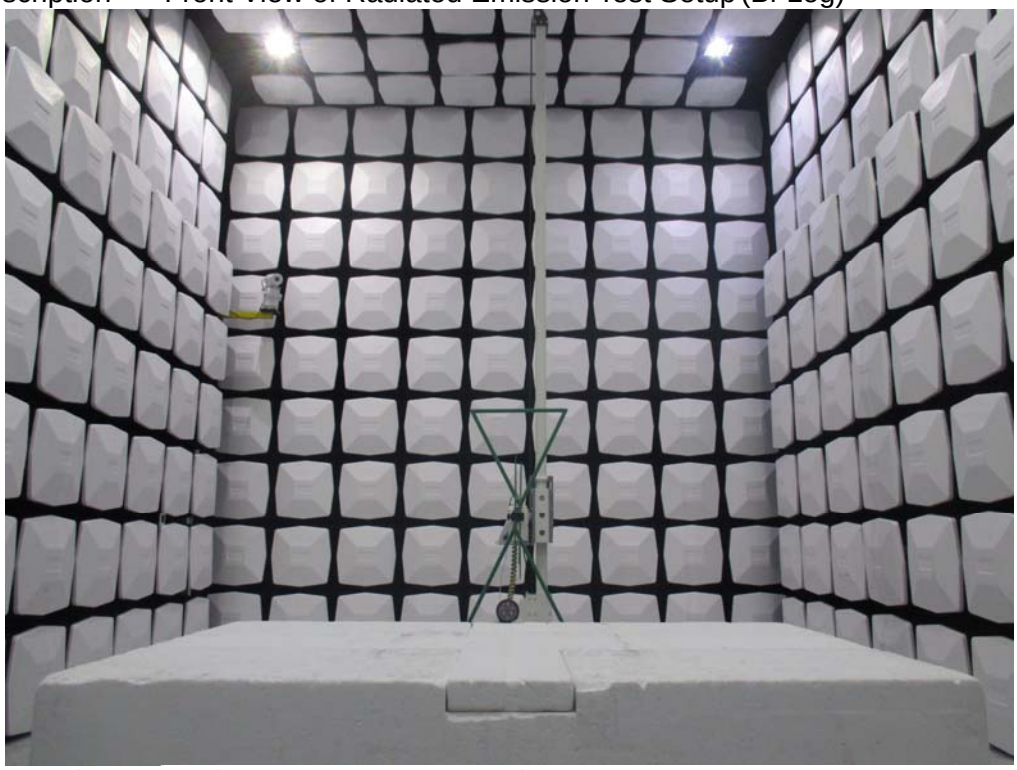
Test Mode ： Mode 5: Normal Link_Power by PC
Description： Front View of Radiated Emission Test Setup (Bi-Log)

Test Mode ： Mode 5: Normal Link_Power by PC
Description： Back View of Radiated Emission Test Setup (Bi-Log)



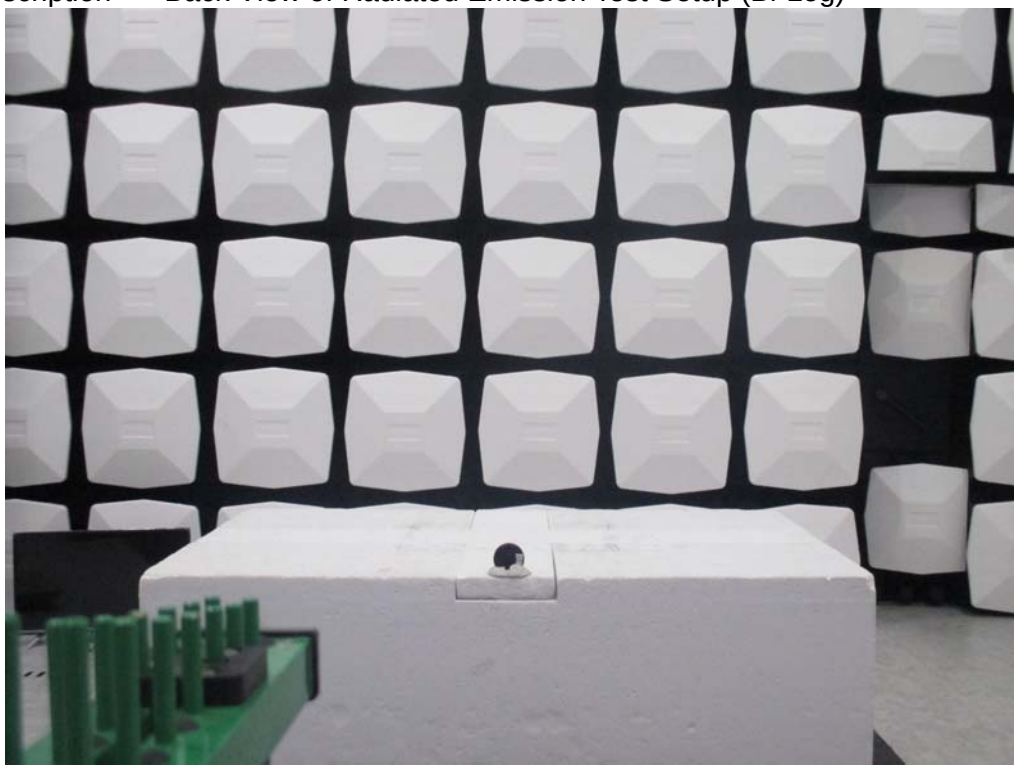
Test Mode ： Mode 2: RX_ANT+_Power by Battery
Mode 4: RX_BT_Power by Battery
Mode 6: Normal Link_Power by Battery

Description： Front View of Radiated Emission Test Setup (Bi-Log)

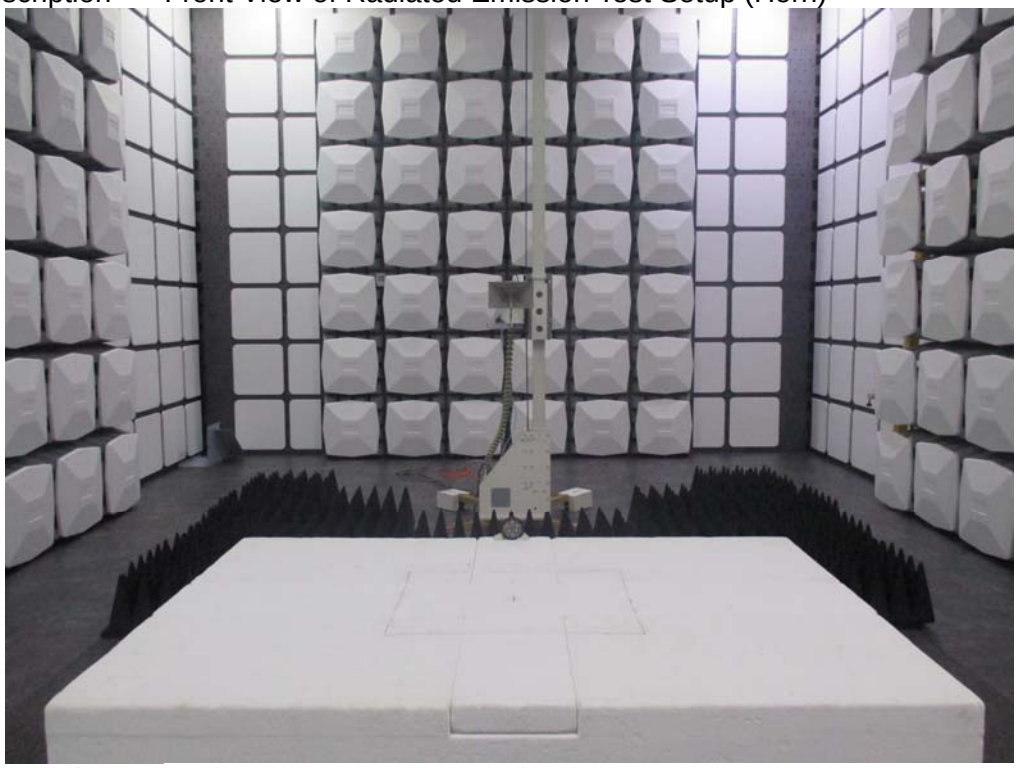


Test Mode ： Mode 2: RX_ANT+_Power by Battery
Mode 4: RX_BT_Power by Battery
Mode 6: Normal Link_Power by Battery

Description： Back View of Radiated Emission Test Setup (Bi-Log)

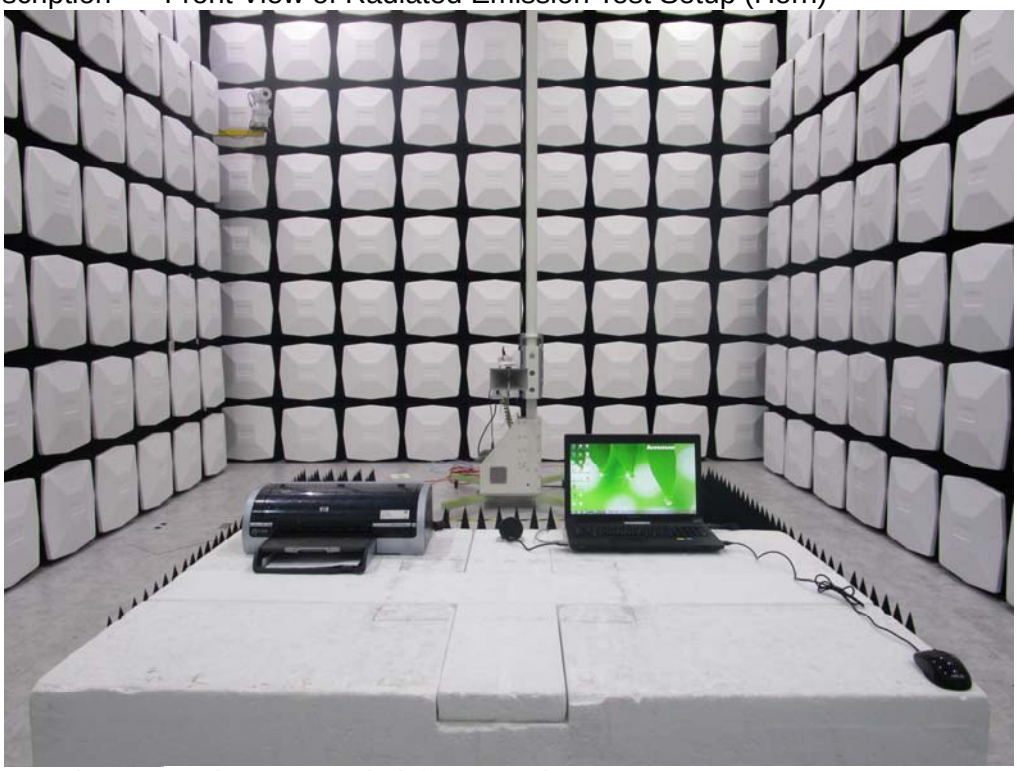


Test Mode ： Mode 1: RX_ANT+_Power by PC
Mode 3: RX_BT_Power by PC
Description： Front View of Radiated Emission Test Setup (Horn)

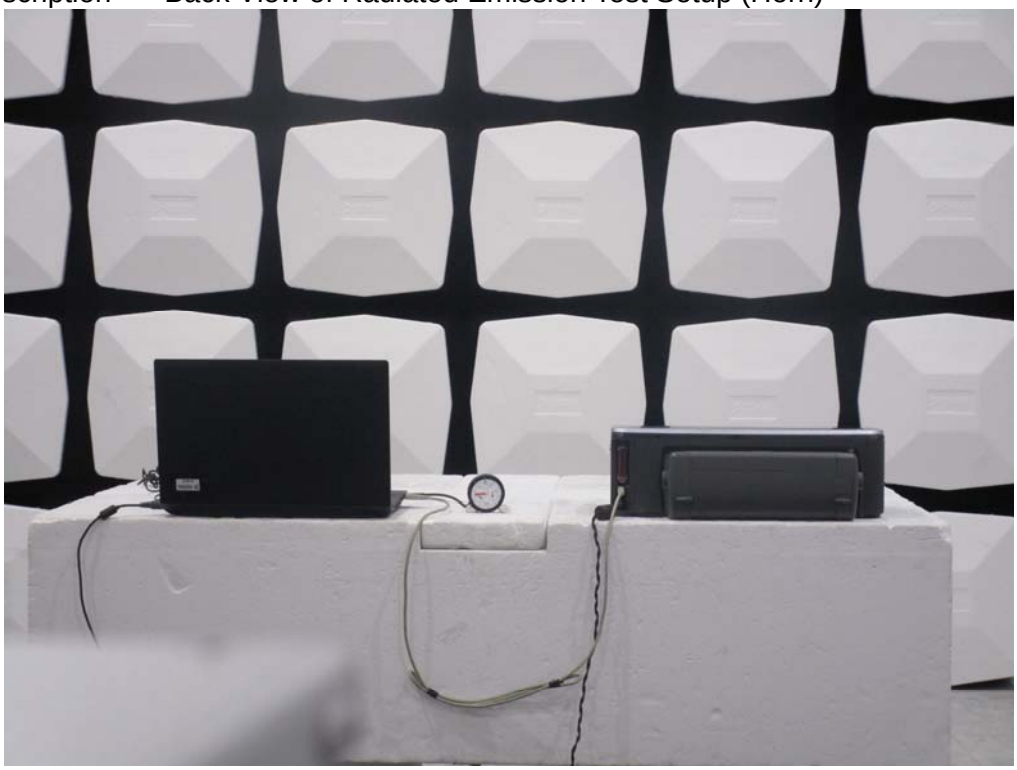


Test Mode ： Mode 1: RX_ANT+_Power by PC
Mode 3: RX_BT_Power by PC
Description： Back View of Radiated Emission Test Setup (Horn)

Test Mode ： Mode 5: Normal Link_Power by PC
Description： Front View of Radiated Emission Test Setup (Horn)



Test Mode ： Mode 5: Normal Link_Power by PC
Description： Back View of Radiated Emission Test Setup (Horn)



Attachment 2

➢ EUT External Photograph

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

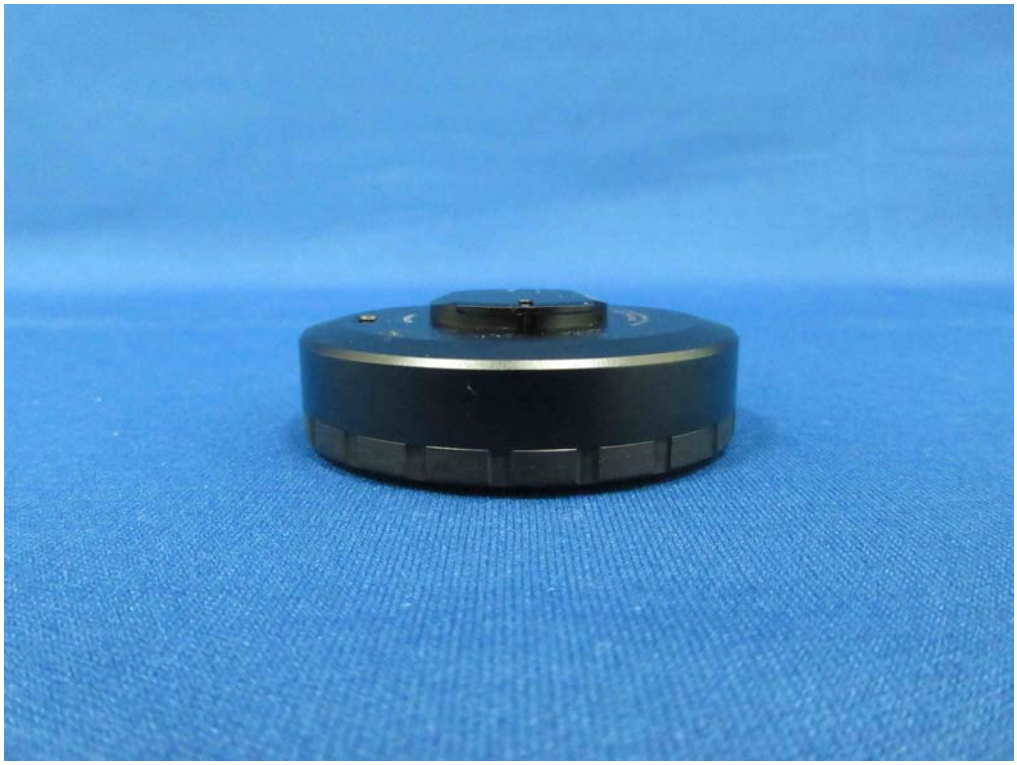
(4) EUT Photo

(5) EUT Photo

(6) EUT Photo

(7) EUT Photo

(8) EUT Photo



(9) EUT Photo