

Appendix D. Photographs

D.1. Host Platform and Antenna Placement



Figure D-1 Front View



Figure D-2 Back View



Figure D-3 Left View



Figure D-4 Right View



Figure D-5 Top View



Figure D-6 Bottom View

D.2. Host Platform Descriptions, Antenna Placement, RF Exposure Conditions, and SAR Test Exclusion

The following information is eligible for Short-Term Confidentiality together with internal and external photos.

Host Platform Descriptions

	Host Platform <small>*The DUT is installed in this host.</small>
Type of Equipment	Remote Controller
Model No.	RCR-VH1
Test Sample Condition	<input type="checkbox"/> Prototype <input checked="" type="checkbox"/> Pre-production <input type="checkbox"/> Mass-production
	* Not for sale: The sample is equivalent to mass-production items. * No modification by the test lab.
Serial No.	9000028
Rating	Li-ion Battery DC 7.34 V/ 2550 mAh * 2 Units <input checked="" type="checkbox"/> Not user accessible.
Head/Body-Worn Accessories (supplied with the device)	n/a
Device Dimension (W x H x D)	Refer to Figure D-7
Device Category	Portable
Exposure Category	General population/ Uncontrolled environment

Antenna Placement

Antenna	Minimum Distance from Edges or Sides of Host Platform (mm)								
	Front	Back	Back-Tilt	Left	Right	Right-Tilt	Top	Top-Tilt	Bottom
Chain 0	65.3	2.6	4.7	145.7	66.2	≈ 4.6	≈ 2.6	≈ 2.6	134.3
Chain 1	32.0	16.3	≈ 16.3	142.1	48.0	≈ 48.0	5.4	5.4	143.6

* Please refer to Figure D-7 for more details.

RF Exposure Conditions

Wireless Technologies	RF Exposure Conditions	User-to-Host Distance (mm)	Test Position	Host-to-Ant. Distance (mm)		SAR Required	Note(s)
				Chain 0	Chain 1		
Original protocol	Body-Worn	10	Front	65.3	32.0	N/A	*2
			Back	2.6	16.3	N/A	*2
			Back-Tilt	4.7	≈ 16.3	N/A	*2
			Left	145.7	142.1	N/A	*2
			Right	66.2	48.0	N/A	*2
			Right-Tilt	≈ 4.6	≈ 48.0	N/A	*2
			Top	≈ 2.6	5.4	N/A	*2
			Top-Tilt	≈ 2.6	5.4	N/A	*2
	Bottom	134.3	143.6	N/A	*2		
	Extremity	0	Front	65.3	32.0	N/A	*2
			Back	2.6	16.3	N/A	*2
			Back-Tilt	4.7	≈ 16.3	N/A	*2
			Left	145.7	142.1	N/A	*2
			Right	66.2	48.0	N/A	*2
			Right-Tilt	≈ 4.6	≈ 48.0	N/A	*2
			Top	≈ 2.6	5.4	N/A	*2
Top-Tilt			≈ 2.6	5.4	N/A	*2	
Bottom	134.3	143.6	N/A	*2			
Wi-Fi	Body-Worn	10	Front	65.3	32.0	Yes	*3
			Back	2.6	16.3	Yes	*3
			Back-Tilt	4.7	≈ 16.3	Yes	*3
			Left	145.7	142.1	Yes	*3
			Right	66.2	48.0	Yes	*3
			Right-Tilt	≈ 4.6	≈ 48.0	Yes	*3
			Top	≈ 2.6	5.4	Yes	*3
			Top-Tilt	≈ 2.6	5.4	Yes	*3
	Bottom	134.3	143.6	Yes	*3		
	Extremity	0	Front	65.3	32.0	Yes	*3
			Back	2.6	16.3	Yes	*3
			Back-Tilt	4.7	≈ 16.3	Yes	*3
			Left	145.7	142.1	Yes	*3
			Right	66.2	48.0	Yes	*3
			Right-Tilt	≈ 4.6	≈ 48.0	Yes	*3
			Top	≈ 2.6	5.4	Yes	*3
Top-Tilt			≈ 2.6	5.4	Yes	*3	
Bottom	134.3	143.6	Yes	*3			

Note(s):

*2 SAR measurements were performed in "Wi-Fi", because "Wi-Fi" is more "Frame Average power" higher than "Original protocol". Please refer to clause 1.4 for more details.

*3 SAR test was applied a separation distance of 10 mm for Body-Worn 1-g SAR and of 0 mm for extremity (hand) 10-g SAR as per KDB 941225 D07.

Body-Worn SAR (1-g SAR) Test Exclusion as per KDB 447498 D01 - Chain0

Freq. Band	Freq. (MHz)	Test Position	User-to-Host Distance (mm)	Host-to-Ant Distance (mm)	User-to-Ant Distance (mm)	Min. Test Sep. Distance (mm)	Max. Possible Power				Exclusion Threshold	SAR Required (> 3.0)
							Chain0 (dBm)	Chain1 (dBm)	Total (mW)	rounded (mW)		
2.4 GHz (Chain0)	2450	Front	10	65.3	75.3	75	18.0	18.0	126.2	126	2.6	No
	2450	Back	10	2.6	12.6	13	18.0	18.0	126.2	126	15.2	Yes
	2450	Back-Tilt	10	4.7	14.7	15	18.0	18.0	126.2	126	13.1	Yes
	2450	Left	10	145.7	155.7	156	18.0	18.0	126.2	126	1.3	No
	2450	Right	10	66.2	76.2	76	18.0	18.0	126.2	126	2.6	No
	2450	Right-Tilt	10	4.6	14.6	15	18.0	18.0	126.2	126	13.1	Yes
	2450	Top	10	2.6	12.6	13	18.0	18.0	126.2	126	15.2	Yes
	2450	Top-Tilt	10	2.6	12.6	13	18.0	18.0	126.2	126	15.2	Yes
5 GHz (Chain0)	5800	Front	10	65.3	75.3	75	14.5	14.5	56.4	56	1.8	No
	5800	Back	10	2.6	12.6	13	14.5	14.5	56.4	56	10.4	Yes
	5800	Back-Tilt	10	4.7	14.7	15	14.5	14.5	56.4	56	9.0	Yes
	5800	Left	10	145.7	155.7	156	14.5	14.5	56.4	56	0.9	No
	5800	Right	10	66.2	76.2	76	14.5	14.5	56.4	56	1.8	No
	5800	Right-Tilt	10	4.6	14.6	15	14.5	14.5	56.4	56	9.0	Yes
	5800	Top	10	2.6	12.6	13	14.5	14.5	56.4	56	10.4	Yes
	5800	Top-Tilt	10	2.6	12.6	13	14.5	14.5	56.4	56	10.4	Yes
5800	Bottom	10	134.3	144.3	144	14.5	14.5	56.4	56	0.9	No	

Body-Worn SAR (1-g SAR) Test Exclusion as per KDB 447498 D01 - Chain1

Freq. Band	Freq. (MHz)	Test Position	User-to-Host Distance (mm)	Host-to-Ant Distance (mm)	User-to-Ant Distance (mm)	Min. Test Sep. Distance (mm)	Max. Possible Power				Exclusion Threshold	SAR Required (> 3.0)
							Chain0 (dBm)	Chain1 (dBm)	Total (mW)	rounded (mW)		
2.4 GHz (Chain1)	2450	Front	10	32.0	42	42	18.0	18.0	126.2	126	4.7	Yes
	2450	Back	10	16.3	26.3	26	18.0	18.0	126.2	126	7.6	Yes
	2450	Back-Tilt	10	16.3	26.3	26	18.0	18.0	126.2	126	7.6	Yes
	2450	Left	10	142.1	152.1	152	18.0	18.0	126.2	126	1.3	No
	2450	Right	10	48.0	58.0	58	18.0	18.0	126.2	126	3.4	Yes
	2450	Right-Tilt	10	48.0	58.0	58	18.0	18.0	126.2	126	3.4	Yes
	2450	Top	10	5.4	15.4	15	18.0	18.0	126.2	126	13.1	Yes
	2450	Top-Tilt	10	5.4	15.4	15	18.0	18.0	126.2	126	13.1	Yes
5 GHz (Chain1)	5800	Front	10	32.0	42	42	14.5	14.5	56.4	56	3.2	Yes
	5800	Back	10	16.3	26.3	26	14.5	14.5	56.4	56	5.2	Yes
	5800	Back-Tilt	10	16.3	26.3	26	14.5	14.5	56.4	56	5.2	Yes
	5800	Left	10	142.1	152.1	152	14.5	14.5	56.4	56	0.9	No
	5800	Right	10	48.0	58.0	58	14.5	14.5	56.4	56	2.3	No
	5800	Right-Tilt	10	48.0	58.0	58	14.5	14.5	56.4	56	2.3	No
	5800	Top	10	5.4	15.4	15	14.5	14.5	56.4	56	9.0	Yes
	5800	Top-Tilt	10	5.4	15.4	15	14.5	14.5	56.4	56	9.0	Yes
5800	Bottom	10	143.6	153.6	154	14.5	14.5	56.4	56	0.9	No	

Extremity-SAR (10-g SAR) Test Exclusion as per KDB 447498 D01 - Chain0

Freq. Band	Freq. (MHz)	Test Position	User-to-Host Distance (mm)	Host-to-Ant Distance (mm)	User-to-Ant Distance (mm)	Min. Test Sep. Distance (mm)	Max. Possible Power				Exclusion Threshold	SAR Required (> 7.5)
							Chain0 (dBm)	Chain1 (dBm)	Total (mW)	rounded (mW)		
2.4 GHz (Chain0)	2450	Front	0	65.3	65.3	65	18.0	18.0	126.2	126	3.0	No
	2450	Back	0	2.6	2.6	5	18.0	18.0	126.2	126	39.4	Yes
	2450	Back-Tilt	0	4.7	4.7	5	18.0	18.0	126.2	126	39.4	Yes
	2450	Left	0	145.7	145.7	146	18.0	18.0	126.2	126	1.4	No
	2450	Right	0	66.2	66.2	66	18.0	18.0	126.2	126	3.0	No
	2450	Right-Tilt	0	4.6	4.6	5	18.0	18.0	126.2	126	39.4	Yes
	2450	Top	0	2.6	2.6	5	18.0	18.0	126.2	126	39.4	Yes
	2450	Top-Tilt	0	2.6	2.6	5	18.0	18.0	126.2	126	39.4	Yes
5 GHz (Chain0)	5800	Front	0	65.3	65.3	65	14.5	14.5	56.4	56	2.1	No
	5800	Back	0	2.6	2.6	5	14.5	14.5	56.4	56	27.0	Yes
	5800	Back-Tilt	0	4.7	4.7	5	14.5	14.5	56.4	56	27.0	Yes
	5800	Left	0	145.7	145.7	146	14.5	14.5	56.4	56	0.9	No
	5800	Right	0	66.2	66.2	66	14.5	14.5	56.4	56	2.0	No
	5800	Right-Tilt	0	4.6	4.6	5	14.5	14.5	56.4	56	27.0	Yes
	5800	Top	0	2.6	2.6	5	14.5	14.5	56.4	56	27.0	Yes
	5800	Top-Tilt	0	2.6	2.6	5	14.5	14.5	56.4	56	27.0	Yes
5800	Bottom	0	134.3	134.3	134	14.5	14.5	56.4	56	1.0	No	

Extremity-SAR (10-g SAR) Test Exclusion as per KDB 447498 D01 - Chain1

Freq. Band	Freq. (MHz)	Test Position	User-to-Host Distance (mm)	Host-to-Ant Distance (mm)	User-to-Ant Distance (mm)	Min. Test Sep. Distance (mm)	Max. Possible Power				Exclusion Threshold	SAR Required (> 7.5)
							Chain0 (dBm)	Chain1 (dBm)	Total (mW)	rounded (mW)		
2.4 GHz (Chain1)	2450	Front	0	32.0	32	32	18.0	18.0	126.2	126	6.2	No
	2450	Back	0	16.3	16.3	16	18.0	18.0	126.2	126	12.3	Yes
	2450	Back-Tilt	0	16.3	16.3	16	18.0	18.0	126.2	126	12.3	Yes
	2450	Left	0	142.1	142.1	142	18.0	18.0	126.2	126	1.4	No
	2450	Right	0	48.0	48.0	48	18.0	18.0	126.2	126	4.1	No
	2450	Right-Tilt	0	48.0	48.0	48	18.0	18.0	126.2	126	4.1	No
	2450	Top	0	5.4	5.4	5	18.0	18.0	126.2	126	39.4	Yes
	2450	Top-Tilt	0	5.4	5.4	5	18.0	18.0	126.2	126	39.4	Yes
5 GHz (Chain1)	5800	Front	0	32.0	32	32	14.5	14.5	56.4	56	4.2	No
	5800	Back	0	16.3	16.3	16	14.5	14.5	56.4	56	8.4	Yes
	5800	Back-Tilt	0	16.3	16.3	16	14.5	14.5	56.4	56	8.4	Yes
	5800	Left	0	142.1	142.1	142	14.5	14.5	56.4	56	0.9	No
	5800	Right	0	48.0	48.0	48	14.5	14.5	56.4	56	2.8	No
	5800	Right-Tilt	0	48.0	48.0	48	14.5	14.5	56.4	56	2.8	No
	5800	Top	0	5.4	5.4	5	14.5	14.5	56.4	56	27.0	Yes
	5800	Top-Tilt	0	5.4	5.4	5	14.5	14.5	56.4	56	27.0	Yes
5800	Bottom	0	143.6	143.6	144	14.5	14.5	56.4	56	0.9	No	

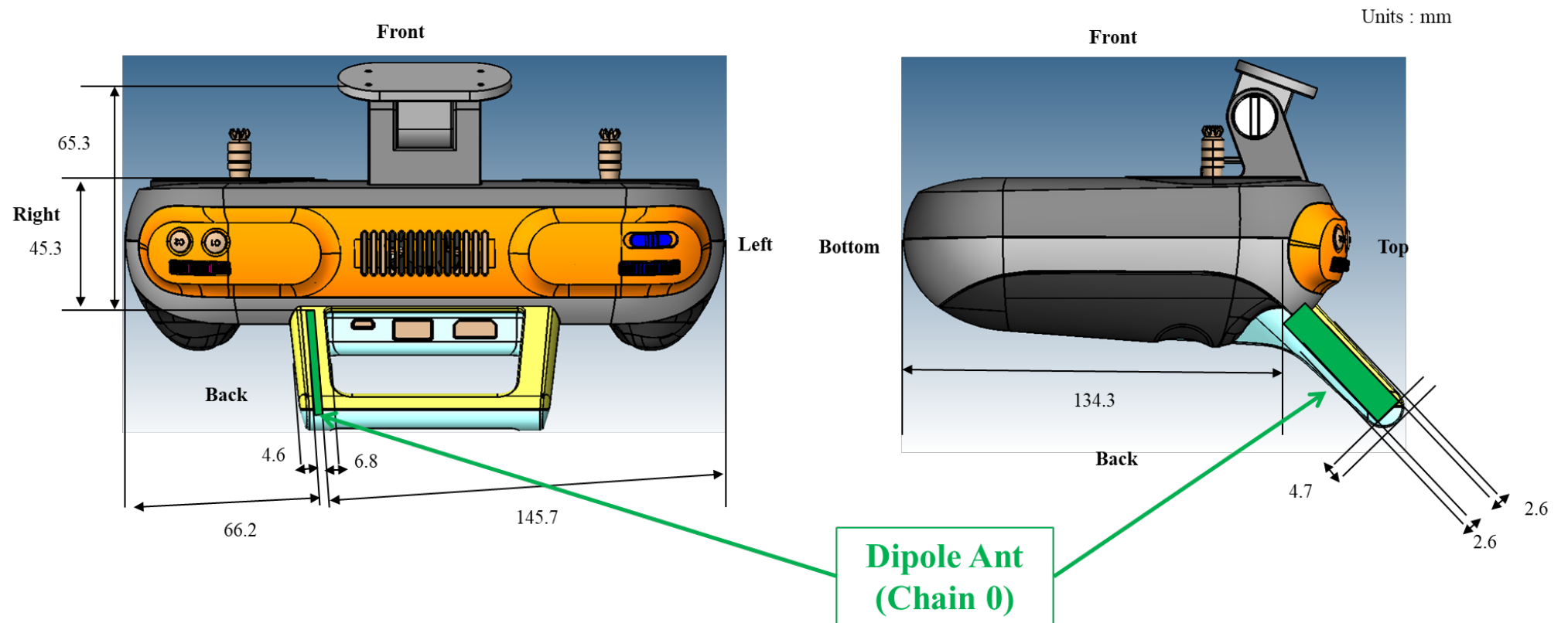


Figure D-7 Antenna Dimensions and Separation Distances

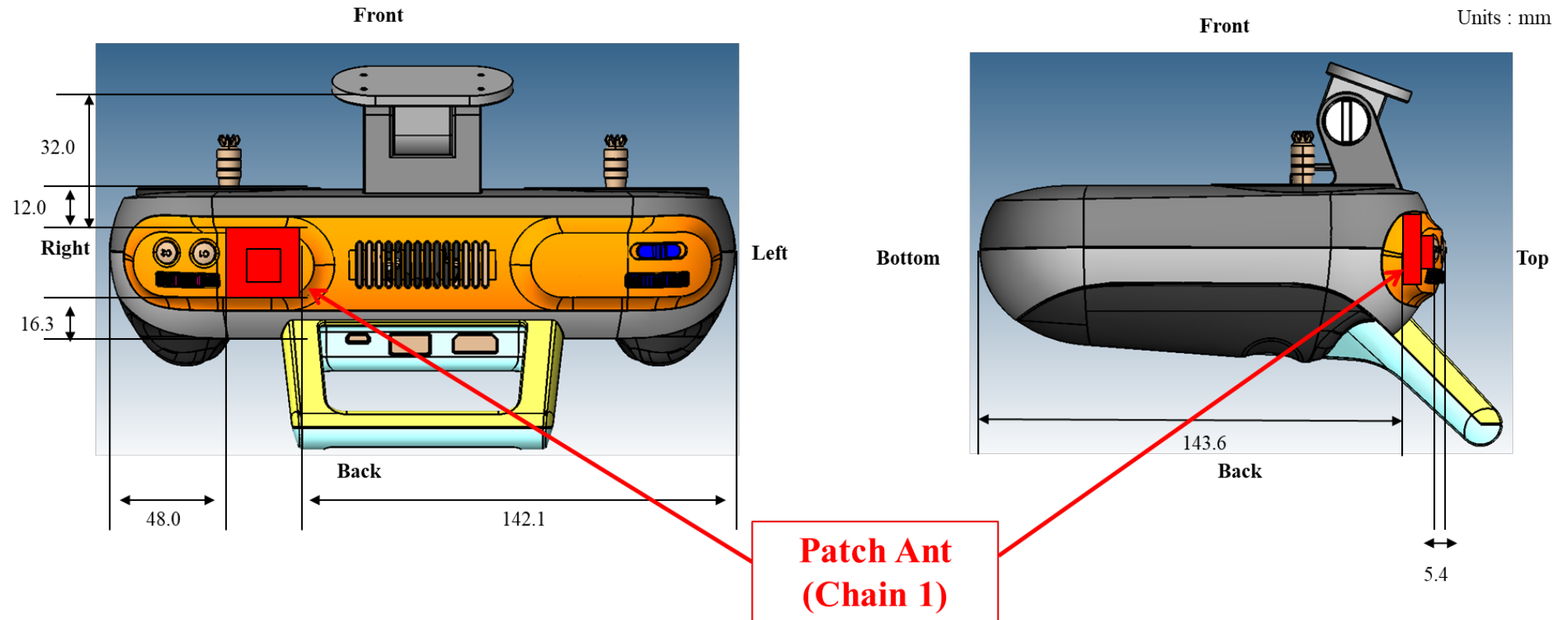


Figure D-7

Antenna Dimensions and Separation Distances (Continued)

D.3. Body-Worn Exposure Conditions

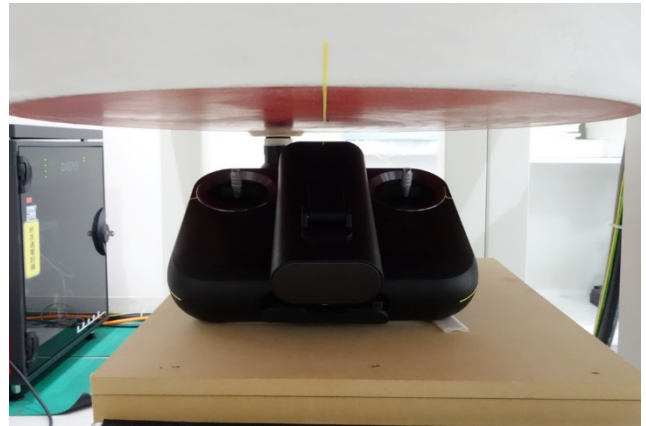


Figure D-8 Front

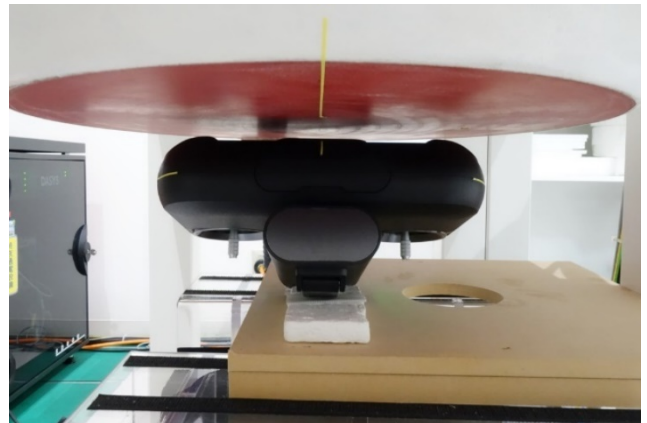


Figure D-9 Back

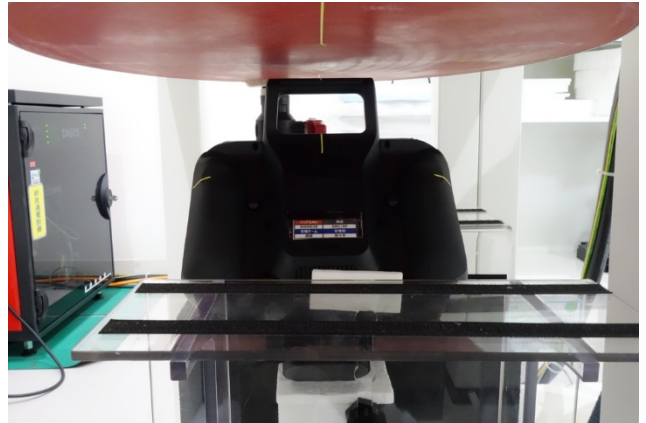


Figure D-10 Back-Tilt

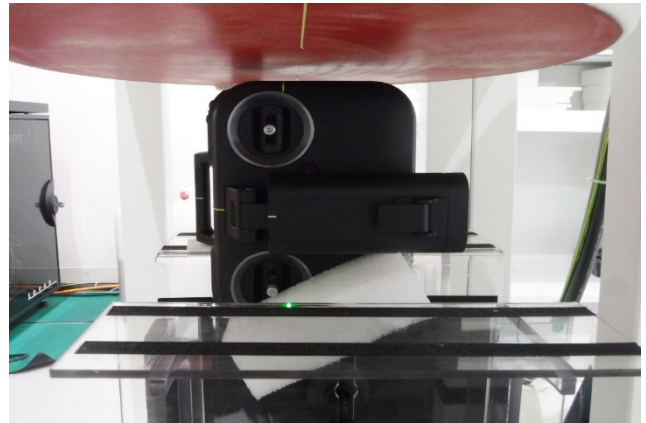


Figure D-11 Right



Figure D-12 Right-Tilt

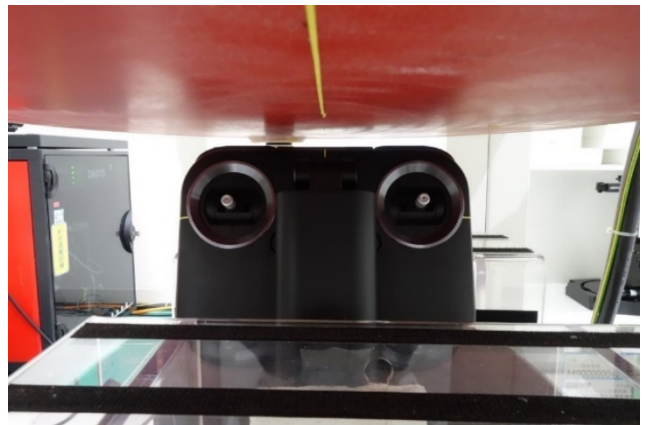


Figure D-13 Top

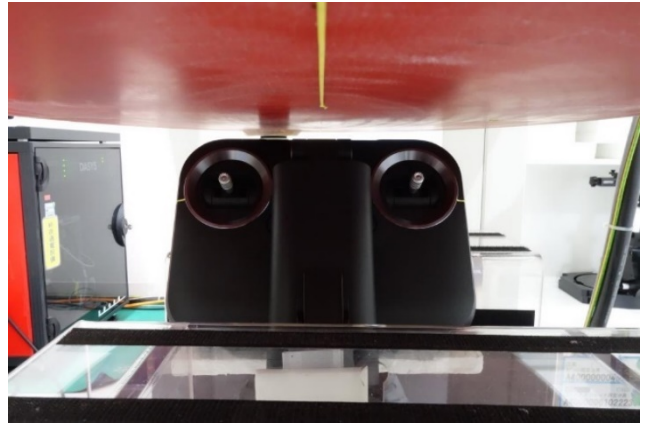


Figure D-14 Top-Tilt

D.4. Extremity-Hand Exposure Conditions

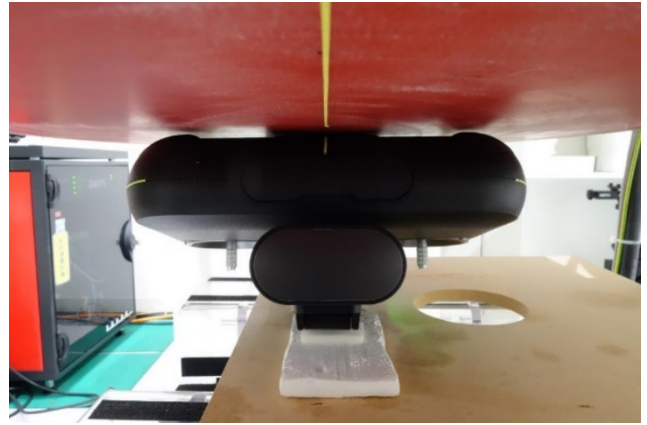
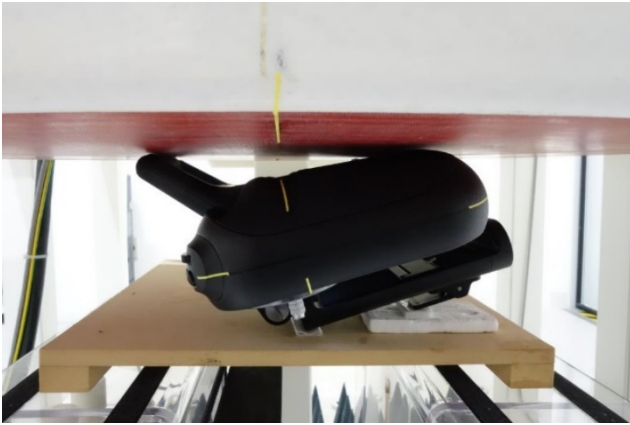


Figure D-15 Back

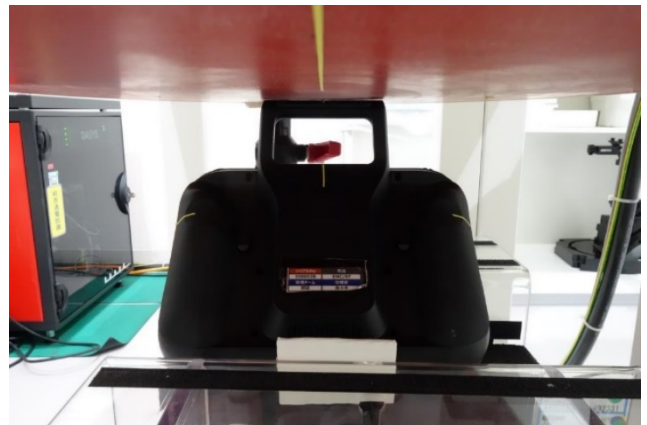
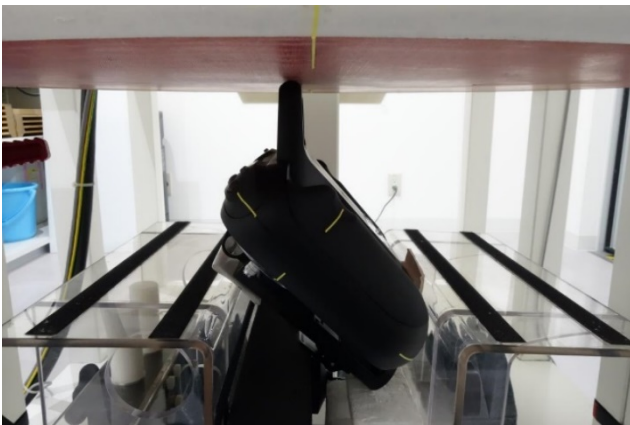


Figure D-16 Back-Tilt

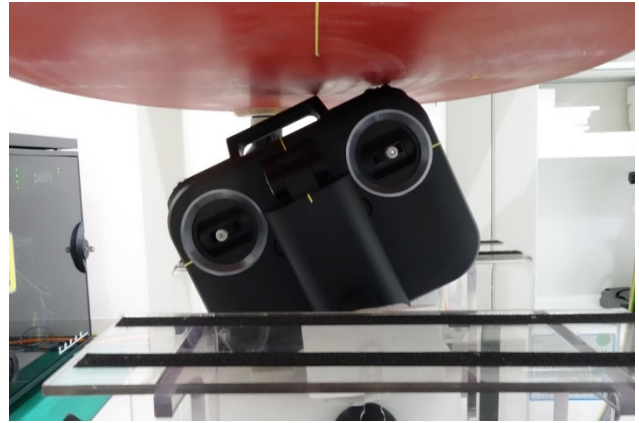


Figure D-17 Right-Tilt

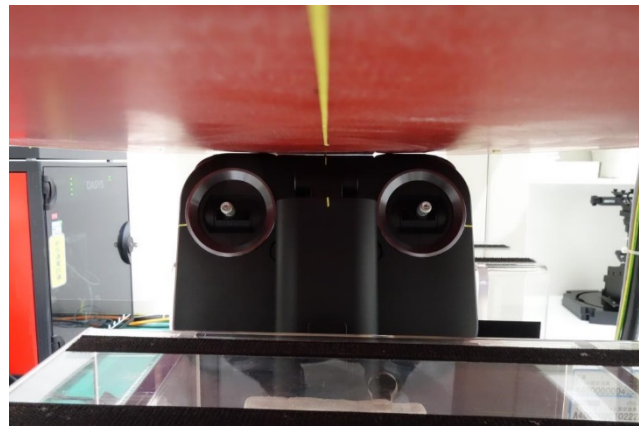


Figure D-18 Top

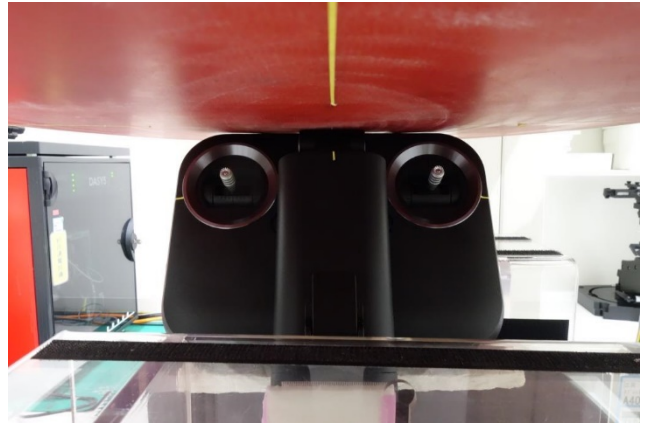


Figure D-19 Top-Tilt