

Equipment: Wireless interactive Presentation Gateway

Brand Name : wePresent

Model No. : WiPG-1000P

FCC ID : 2AAEDWP1KP16

Standard : IEEE C95.1
Applicant / : Barco NV

Manufacturer President Kennedypark 35, 8500 Kortrijk, Belgium

The product sample received on Nov. 21, 2016 and completely tested on Dec. 20, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in IEEE C95.1 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Kevin Liang / Assistant Manager

IIac-MRA



: 1 of 7

: Rev. 01

Report No.: FA6N1731

SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456

Report Version



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Revision History

Report No.	Version	Description	Issued Date
FA6N1731	Rev. 01	Initial issue of report	Jan. 13, 2017

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1 Human Exposure Assessment

1.1 Product Details

The difference between the report no. : N/A	
The Difference	N/A

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Evaluated Test Items N/A

1.2 Maximum Permissible Exposure

1.2.1 Limit of Maximum Permissible Exposure

	Limits for Occupational / Controlled Exposure						
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time E ², H ² or S (minutes)			
0.3-3.0	614	1.63	(100)*	6			
3.0-30	1842 / f	4.89 / f	(900 / f ²)*	6			
30-300	61.4	0.163	1.0	6			
300-1500	-	-	F/300	6			
1500-100,000	-	-	5	6			

Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time E ², H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	F/1500	30
1500-100,000	-	-	1.0	30

Note 1: f = frequency in MHz; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310

1.2.2 MPE Calculation Method

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

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1.2.3 Result of Maximum Permissible Exposure (2.4G)

RF General Information						
Frequency Range (MHz)	IEEE Std. 802.11 Protocol	Ch. Frequency (MHz)	Channel Number	Number of Transmit Chains (N _{TX})	RF Output Power (dBm)	
2400-2483.5	11b	2412-2462	1-11 [11]	2	18.45	
2400-2483.5	11g	2412-2462	1-11 [11]	2	16.93	
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	15.97	
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	15.82	
Note 1: RF output	t power specifies t	hat Maximum Con	ducted (Average)	Output Power.	•	

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		Worst Maximum I	RF Output Power	Result		
Exposure Environment General Population / Uncontrolled Exposure						
Separation Distance (cm) 20						
Condition		RF Output Power (dBm)				
Modulation Mode	N _{TX}	RF Output Power	DG (dBi)	EIRP Power	PD (S) (mW/cm²)	
11b	2	18.45	2.00	20.45	0.02207	
Maximum Permissible Exposure Limit (mW/cm²)					1	

Note 1: N_{TX} = Number of Transmit Chains

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1.2.4 Result of Maximum Permissible Exposure (5.2G)

	RF General Information						
Frequency Range (MHz)	IEEE Std. 802.11 Protocol	Ch. Frequency (MHz)	Channel Number	Number of Transmit Chains (N _{TX})	RF Output Power (dBm)		
5150-5250	11a	5180-5240	36-48 [4]	2	16.74		
5150-5250	n (HT20)	5180-5240	36-48 [4]	2	15.96		
5150-5250	n (HT40)	5190-5230	38-46 [2]	2	15.85		
Note 1. DE cutous	t nower enecifies t	hat Maximum Can	duated (Average)	Output Dower			

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Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.

Worst Maximum RF Output Power Result						
Exposure Environme	nt	General Population	n / Uncontrolled Ex	posure		
Separation Distance (cm)		20				
Condition		RF Output Power (dBm)				
Modulation Mode	N _{TX}	RF Output Power	DG (dBi)	EIRP Power	PD (S) (mW/cm²)	
11a	2	16.74	5.01	21.75	0.02977	
Maximum Permissible Exposure Limit (mW/cm²) 1						
Note 1: N _{TX} = Number of	Trans	mit Chains				

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1.2.5 Result of Maximum Permissible Exposure (5.8G)

	RF General Information						
Frequency Range (MHz)	IEEE Std. 802.11 Protocol	Ch. Frequency (MHz)	Channel Number	Number of Transmit Chains (N _{TX})	RF Output Power (dBm)		
5725-5850	11a	5745-5825	149-165 [5]	2	16.76		
5725-5850	n (HT20)	5745-5825	149-165 [5]	2	15.83		
5725-5850	n (HT40)	5755-5795	151-159 [2]	2	15.90		
Note 1: DE output	t nower enseities t	hat Maximum Can	duated (Averege)	Output Dower			

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Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.

		Worst Maximum	RF Output Power	Result		
Exposure Environme	ent	General Populatio	n / Uncontrolled Ex	kposure		
Separation Distance (cm)		20				
Condition		RF Output Power (dBm)				
Modulation Mode	N _{TX}	RF Output Power	DG (dBi)	EIRP Power	PD (S) (mW/cm²)	
11a	2	16.76	5.01	21.77	0.02990	
Maxim	um P	ermissible Exposu	ıre Limit (mW/cm	2)	1	
Note 1: N _{TX} = Number of	Trans	mit Chains				

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