

Maximum Permissible Exposure

Equipment : OH-335 LTE Cat. 6 Outdoor CPE
Brand Name : Greenpacket
Model No. : OH-335
FCC ID : W9V-OH335-GP
Standard : IEEE C95.1
Applicant : **Green Packet Berhad, Taiwan**
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Manufacturer : **Green Packet Berhad, Taiwan**
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The product sample received on Nov. 11, 2016 and completely tested on Nov. 18, 2015. 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





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1 Human Exposure Assessment

1.1 Maximum Permissible Exposure

1.1.1 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/ cm ²)	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/ cm ²)	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				

1.1.2 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)



1.2 Reference Levels Evaluation (WWAN)

Worst Maximum RF Output Power Result					
Min. User Distance (cm)		20			
Evaluation Mode	N _{TX}	Tune-up Power (dBm)	Gain (dBi)	EIRP Power (dBm)	PD (S) (mW/cm ²)
LTE Band 41	1	25.00	10	35.00	0.62943
LTE Band 43	1	23.50	10	33.50	0.44538
Maximum Reference Level Limit (mW/cm ²)					1
Note 1: N _{TX} = Number of Transmit Chains					