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United Kingdom

2<sup>nd</sup> April 2015

Telecommunication Certification Body  
UL VS Ltd  
Offices 18-26  
Grove House  
Lutyens Close  
Chineham Court  
Basingstoke  
Hampshire  
RG24 8AG  
United Kingdom

Subject: Test Rationale

Application for FCC ID: QWP-50450I

Applicant: Cambium Networks Ltd

Dear Examiner,

In accordance with the requirements of Part 15.204 (c)(2) Cambium Networks confirm that the test program which was carried out employed the highest gain antenna of each type supported by the PMP 4500i / PTP 450i.

In accordance with Part 15.204 (c)(3) the antenna types and gains used during the certification test are given in Table 1 below.

Antenna Type	Manufacturers Gain (dBi)	
	4.9GHz Band	5.8GHz Band
Parabolic Dish	37.2	38.1
Flat Plate	28.0	28.5
Sectorized	17.0	17.0
OMNI	13.0	13.0

**Table 1: Antenna Types and Gains tested for Certification**

Sincerely yours,



Donald W Reid  
Principal Regulatory Engineer  
Cambium Networks Ltd