

Radio equipment interface requirement 2012			
Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) operating in the 5150–5350 MHz, 5470–5725 MHz, 17.1–17.3 GHz and 57-66 GHz frequency bands			
Normative (1-9)			
1	Frequency/Bands	5150–5350 MHz	
		5470–5725 MHz	
		17.1–17.3 GHz	
		57-66 GHz	
2	Radio service		
3	Application	Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) In the 5150-5350 MHz frequency band use is limited to indoors.	
4	Channelling/modulation	Channel spacing not specified – The entire stated frequency band may be used	
5	Maximum transmit power level	5150–5350 MHz	Max. mean e.i.r.p. ^{1,2} 200 mW
		5470–5725 MHz	Max. mean e.i.r.p. 1 W ³
		17.1–17.3 GHz	100 mW e.i.r.p. ⁴
		57-66 GHz	40 dBm e.i.r.p. and 13 dBm/MHz e.i.r.p. density (use is limited to indoors) 25 dBm e.i.r.p and density -2 dBm/MHz e.i.r.p. (fixed installations outdoors not permitted)
6	Channel occupation rules	No restriction on duty cycle	
7	Duplex type/separation		
8	Licensing regime	Exemption from individual licensing	
9	Additional essential requirements	The device may be operated provided that: (1) it cannot cause harmful interference and (2) protection cannot be requested from interference where the device is still subject to interference which causes undesired operations.	
Informative (10-13)			
10	Frequency planning assumptions		
11	References	EN 301 893 ⁵	
12	Remarks	The function is permitted in implementation of reference E46 in the National Frequency Band Allocation Regulation and Commission Decision	

¹ Mean e.i.r.p. refers to weighted average e.i.r.p. in the transmission burst at the highest power if transmitter power control is implemented.

² The maximum mean e.i.r.p. density should not exceed 10 mW/MHz in any 1 MHz band.

³ The maximum mean e.i.r.p. density should not exceed 50 mW/MHz in any 1 MHz band.

⁴ This refers to e.i.r.p. peak envelope power.

⁵ WAS/RLANs operating in the 5250-5350 MHz and 5470-5725 MHz bands should use mitigation techniques that provide at least the same protection as the detection, operational, and response requirements described in EN 301 893 to ensure compatible operation use with Radiodetermination systems. Such mitigation techniques should equalise the probability of selecting a specific channel for all available channels so as to ensure, on average, a near-uniform spread of spectrum loading.

		2009/381/EC
13	Notification number	