

Inspections for Compliance criteria

Reference to the mandatory report: G0M20909-2538-C1_rev01

Technical specification:

Frequency band(s)	1920 – 1930 MHz (Base station)
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name			nature value	log value
max conducted power			24,72 mW	13,93 dBm
max Antenna gain			1,78	2,50 dBi
calculated radiated power		EIRP	43,95 mW	16,43 dBm
measured radiated power		EIRP	50,58 mW	17,04 dBm
Tx frequency				
	1928,448 MHz			
duty cycle factor				
duty cycle factor	10log(dwell time/100 ms)	declared	50,0%	-3,01 dB
max source-based time-averaged power				
conducted power			12,36 mW	10,92 dB
calculated radiated power		EIRP	21,98 mW	13,42 dB
measured radiated power		EIRP	25,29 mW	14,03 dB
M P E				
$S = \frac{PG}{4\pi R^2}$		calculated with max source-based time-averaged power measured conducted power		
	r [cm]	20	2,5	1,5
	S [mW/cm ²]	0,004	0,280	0,778
Limit general population	[mW/cm ²]	1,0	for f = 1928,448 MHz	
Limit occupational population	[mW/cm ²]	5,0		
$S = \frac{EIRP}{4\pi R^2} = \frac{1.64 ERP}{4\pi R^2} = \frac{0.41 ERP}{\pi R^2}$		calculated with max source-based time-averaged power measured radiated power		
	r [cm]	20	2,5	1,5
	S [mW/cm ²]	0,005	0,322	0,895