

In calculating RS, note that an antenna will remove the value of any listed physical obstacles between itself and other AllSolus devices. **IMPORTANT** Excessive signal noise from neighbouring wireless devices to the LiveBase may alter received signal strength. Metal obstacles, such as a cubicle, will require an external dome or whip antenna to overcome reduced signal.

CATEGORY	PARAMETERS		EXAMPLE		YOUR CALCULATION	
	DESCRIPTION	VALUE	QTY	SUBTOTAL	QTY	SUBTOTAL
TRANSMIT POWER	Long Range Version (Standard)	+130	1	+130	1	+130
ANTENNA 1 add value per antenna	Small Whip	0	0	-8		
	Large Whip	+2	0			
	Low profile dome	-8	1			
	External cabinet mount whip with 1m cable	0	0			
PATH DISTANCE	10m	-52	(80m path distance)	-72		
	100m	-72				
	1km	-92				
	10km	-112				
PHYSICAL OBSTACLES add value per obstacle	Glass 0.5" (13mm)	-2	1	-2		
	Brick 7" (178mm)	-5	1	-5		
	Tree	-8	2	-16		
	Concrete 4" (102mm)	-12	0	0		
	Masonry Brick 16"	-17	1	-17		
	Concrete 12" (305mm)	-35	0	0		
Antenna cancels listed obstacles SECTION SUBTOTAL			0	0		
ANTENNA 2 add value per antenna	Small Whip	0	0	+2		
	Large Whip	+2	1			
	Low Profile Dome with	-10	0			
	External whip with 1m cable	+3	0			
Add all the values in calculation column to reach total RSC.						
TOTAL				+52		

Total signal strength must be +20 or higher to ensure good signal.

This tool is a guide only.

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