Component	Signal Level		Manufacturer	Part Number	Notes
			GPS Received Signal		-110 to -149 dBm (-130dBm typ)
Repeater Regulated Output	-79	dBm	GLI-METRO Auto Regulated at -84dBm		
Cable Loss	-5	dB	Line Loss from Repeater to Tx Antenna		
GPS Transmit Power	-84	dBm	L1-Band XMT Antenna RF Input Power		
Repeater Antenna Gain	3	dB	Antcom 3G15		
Ptmax	-81	dBm			
Path Loss @ 43m	-69.1	dB	Path Loss = 20 Log F (MHz) + 20 Log d (m) - 27.55		
EIRP @ 43m from Bldg	-150.1	dBm/24 MHz	1575.42	MHz	Frequency L1
			30	m	Outside Bldg
			13	m	Antenna to Bldg Walls
			43	m	Total Distance
P ₂ (FIRP) – Pt - 20log	f_20log (30 ±	d) +27 5581- <i>(</i>	63.95 - 32.67 + 27.55 = -150.1	dRm/24 M Hz	