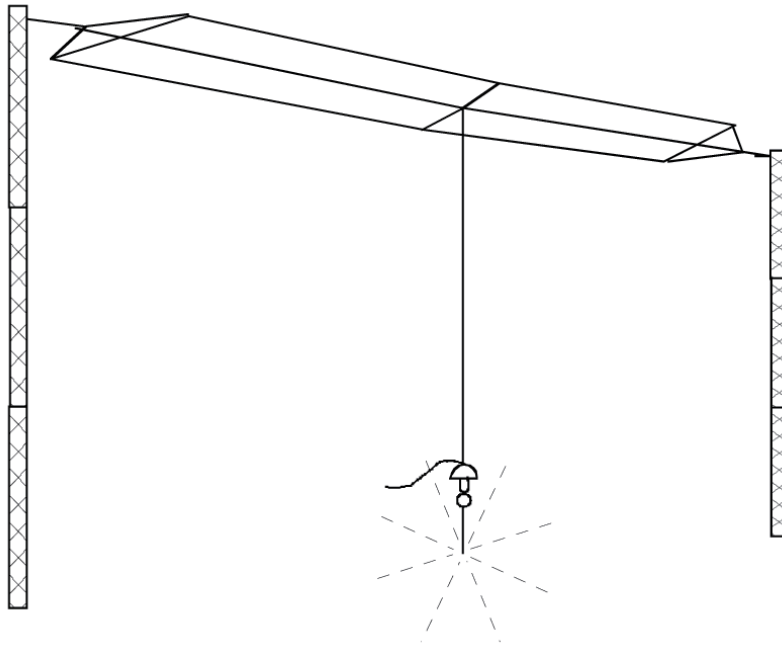


REV	MODIFICATIONS	DRAWN BY	CHECKED BY	DATE
A	CREATION	GI	GI	2/26/2013



Frequency Range	250-600 KHz (with suitable ATU)
Support Structure	Overall Height: 27m (88.6 ft); Distance Apart 80m (260 ft)
Effective Antenna Height	21.5 metres (70.5 ft)
Pattern	Omnidirectional
Polarisation	Vertical
Wind Survival	Antenna survival : 240 km/h (150 mph), no ice
Earth Mat Radials	60 radials – length to be determined by site conditions
Operating Frequency	320 KHz
Effective Base Capacitance	1390.00 pf
System Efficiencies	Antenna only 30.0%; system (incl. coupler) 13.0%
Coupler Coil	Q
	200.00 Inductance Reactance Resistance
Earth Resistance	1.0Ω 173μHy 352Ω 1.76Ω
System Bandwidth	4.5 KHz at -3 dB
Power Capability	1kW CW plus 100% amplitude modulation
Calculated Power for 1kW input	Losses: coupler coil 360w, earth 204w, antenna wire 307w; Radiated Power: 129w
Unattenuated Field Intensity	1km 1 N/Mile 50 N/Miles
perfect ground, 1kW input	107.2 mv/M 58.3 mv/M 1.166 mv/M +61.3 dB ref 1Ωv
Packed Weight (Antenna/Earth System)	Approx 700kg, depending on earth system specifications

UNLESS OTHERWISE SPECIFIED DIMENSIONS : mm ANGLES : d.		<b>NEARSON INC.</b>	
CUSTOMER N°	TITLE : Professional tower supported wire MF NDB antenna system		
FILE N°			
	SIZE	<b>NMO-01-0065</b>	
	A4		
SCALE : N.D.			REV A Prod. Doc. SHEET 1 of 1