

Request for Quotation / 報價請求

Subject:	Improve TMRS Signal Coverage (EWR/045/ITC/20)		
From/由:	Mr. Kim Wong / Mr. Patrick So	E-mail/電郵	kimwong@aims.com.mo
Tel/電話:	853-8598 8717 / 88982 369	Fax/傳真:	853-8598 8711
Date/日期:	28-Sep-2020	Ref:	033-2020-Q

煩請按下列要求報價：

No.	Item / Model / Description	Qty.
1.	<p>Improve TMRS signal coverage at TWY C3 by means of installing additional DBA, UHF antenna and accessories in Main Fire Station in order to extend and enhance the TMRS signal coverage at TWY C3 with reference to the TMRS signal received at SS5 station no less than -85dBm. Details as per attachment</p> <ul style="list-style-type: none"> - Provide a solution to improve current TMRS handheld radios signal coverage in TWY C3, SS5 station and DVOR station by means of installing but not limit to additional BDA, UHF antenna & accessories, cabling works, provision of standalone UPS and power sockets. - The extended resulting TMRS signal coverage in TWY C3 & SS5 shall be expected greater than -85dBm after enhancement. - Sealant must be applied while drilling in the outer walls for cable running in order to ensure waterproofing on the building structure. - Antenna Structure mounting should be approved by DSSOPT registered structural engineer with endorsement on the design structure drawings as well as the calculation on sustain of adverse weather. - Lightning protecting must also be considered for the antenna mounting at Main Fire Station wherever applicable. - Method statement must be submitted for assessment and approval prior to the application of work permit and site installation - T&C should also be included in this work with site measurement results in TWY C3, SS5 station and DVOR station. 	1

Location	2013-Aug Spectrum Signal Receive PTB Repeaters (dBm)	2016-May Spectrum Signal Receive PTB Repeaters (dBm)	2017-May Spectrum Signal Receive PTB Repeaters (dBm)	2018-Aug Spectrum Signal Receive PTB Repeaters (dBm)	2019-May Spectrum Signal Receive PTB Repeaters (dBm)	2020-May Spectrum Signal Receive PTB Repeaters (dBm)
Localizer Station	-85.0	-67.0	-71.5	-79.5	-77.1	-97.2
DVOR Station	-83.0	-80.6	-82.0	-87.7	-89.4	-103.1
Main Fire Station	-83.0	-64.7	-79.0	-71.8	-72.0	-87.5

Date: 12-Jun-2020	MFS	SS5	DVOR
PTB Repeater #1 - RSSI Signal Level	-73.1 dBm	-98.6 dBm	-93.5 dBm
PTB Repeater #4 - RSSI Signal Level	-69.4 dBm	-98.5 dBm	-95.5 dBm
Spectrum Signal Receive PTB Repeaters	N/A	-101.0 dBm	-100.0 dBm
Spectrum Signal Receive ATC Repeater	N/A	-93.6 dBm	-96.7 dBm

條款:

1. 報價時請列明所有條款
2. 報價請以澳門幣結算及付款方式
3. 註明完成項目週期