

Guidelines for Installing Aleev Helical Dual band antenna.

1. Connect the FME connector as shown in Figure 1 to the pigtail provided with the module.

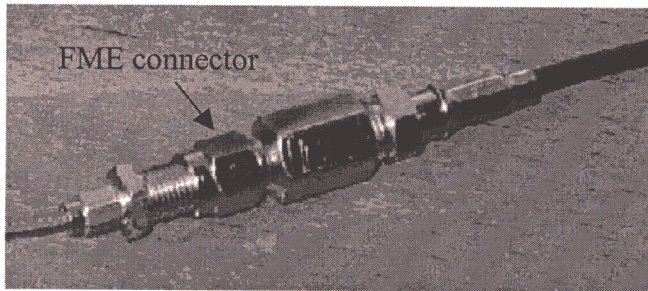


Figure 1: FME connector of Aleev Helical Dual band antenna with module pigtail.

2. After connecting the antenna to the module pigtail the setup should look as shown in Figure 2.

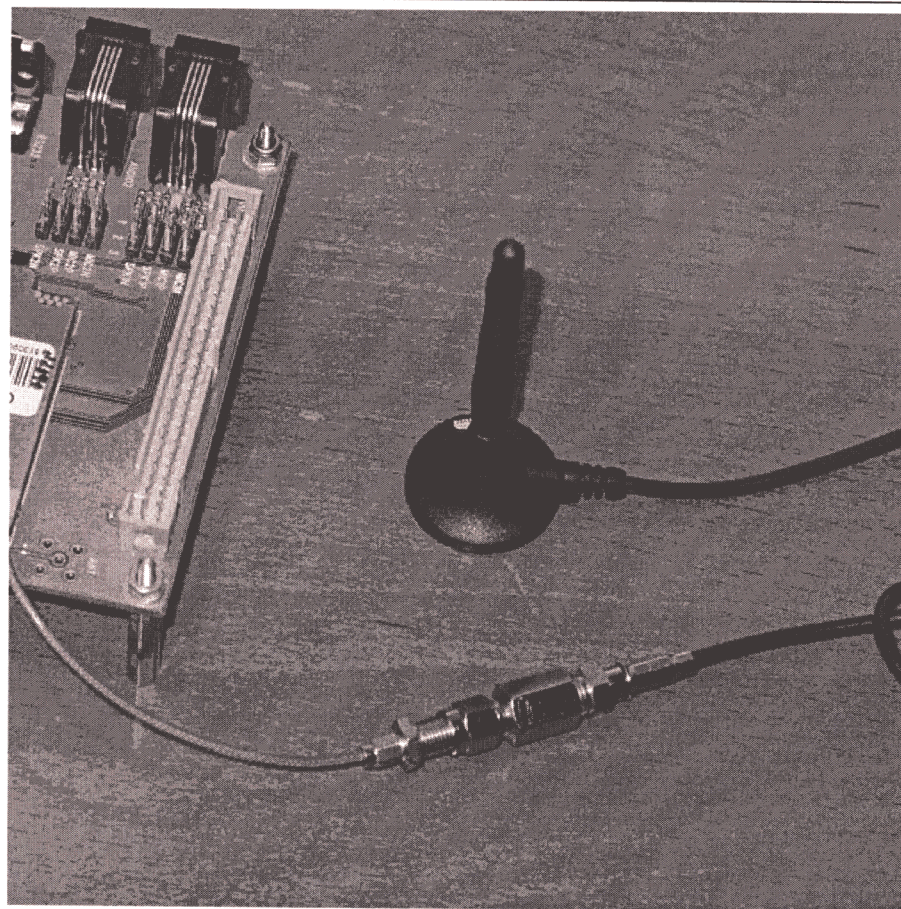
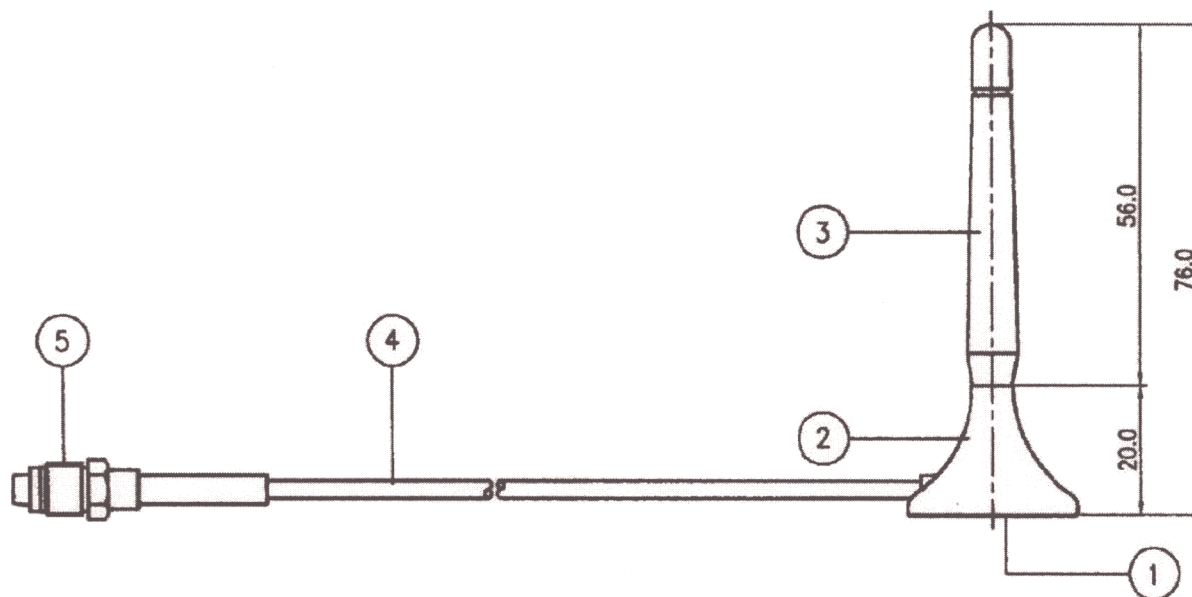


Figure 2: Complete setup of FME connector of Aleev Helical Dual band antenna with module pigtail.

3. For more details on the antenna see the antenna specs in the next pages.

AleEv™

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5	FME CONNECTOR	Bs	
4	RG-174 CABLE	2.5 m ± 5 cm	BLACK COLOR
3	SLEEVE	URETHANE	BLACK COLOR
2	BASE CASE	ABS	BLACK COLOR
1	TAPE		BLACK COLOR
NO.	PARTS NAME	MATERIAL	FINISH

Aleev. Inc.

816 Secretary drive, Arlington, Texas 76015 Telephone: (817) 265-0333 FAX: (800) 775-5843

Product: ANTENNA, Helical Dual-Band

Part No.: 80154

Unit: mm

Engineer:

Rev.:

Date: 8/05/02



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SPECIFICATION SHEET

MODEL: 80154

ELECTRICAL

ITEM	SPECIFICATIONS	REMARKS
Type of antenna	Dual Helical antenna	
Frequency	824 ~ 894 MHz 1850 ~ 1990 MHz	
Electrical length	$\frac{1}{4}\lambda$	
Impedance	50 Ω	Nominal
V.S.W.R	Less then 1 : 2.0	Frequency range
Polarization	Vertical	
Gain	-1 dBi	

MECHANICAL

ITEM	SPECIFICATIONS	REMARKS
Element		
Cable	RG-174	2.5 M
Sleeve	Urethane	Black
Connector	FME- female	
Antenna total length	76 \pm 3 mm	

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