



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 BPH90123

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 ROBERTA WAGNER
 304-558-0067

VENDOR *222113321 02 877-832-6337
 HUTTON COMMUNICATIONS INC
 4046 MOUND RD
 JOLIET IL 60436

RECEIVED

2009 APR 15 A 8:20

SHIP TO HEALTH AND HUMAN RESOURCES
 BPH - TRAUMA & EMERGENCY CARE
 SYSTEM - NOROP CENTER
 190 HART FIELD ROAD
 MORGANTOWN, WV
 26505 304-285-3332

PURCHASING DIVISION

DATE PRINTED	TERMS OF SALE	STATE OF WV	FOB	FREIGHT TERMS
03/13/2009	NET 30	BEST WAY	DESTINATION	PPD+ALLOWED

BID OPENING DATE: 04/22/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	64	EA	906-29	CONNECTOR, ANDREW P/N 252DE, NON-TUNABLE, FLANGE NEW PART # 252SE TYPE CPR137G FOR EW52 WAVEGUIDE.	188.94	12,092.16
0002	10	EA	906-29	CONNECTOR, ANDREW P/N 163DE, NON-TUNABLE, FLANGE NEW PART # 163SE TYPE CPR137G FOR EW63 WAVEGUIDE.	122.02	1220.20
0003	14	EA	906-29	CONNECTOR, ANDREW P/N 190DE, NON-TUNABLE, FLANGE NEW PART # 190SE TYPE CPR90G FOR STANDARD EW90-107, 10.7 - 11.7 GHZ.	129.89	1818.46
0004	15	EA	906-29	DEHYDRATOR, WALL SHELF, ANDREW P/N AE01A-D1306-003, * NEW PART # AE01D-D1658-100 FOR MT-050 DEHYDRATOR, P/N: AE01A-D1306-003.	98.15	1472.25

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Sharon McDonald* TELEPHONE: 866-397-3357 DATE: 4-14-09
 TITLE: Govt Acct COORD FEIN: 751321231 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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0005	15	EA	906-29		1736.72	26,050.80
* DEHYDRATOR, ANDREW P/N MT050-81015, 115 VAC 60 HZ, OBSOLETE, REPLACED BY MT050A-81315 LP ALARM, PRESSURE FACTORY SET AT 5 PSI, SINGLE LINE INSTALL KIT INCLUDED.						
0006	1	EA	906-29		1417.79	1417.79
DISH 4 FT., ANDREW VALULINE VHLP4-11-6GR, HIGH PERFORMANCE, ANTENNA FOR 10.7-11.7 GHZ, CAT A, WITH SINGLE POL FEED CPR90G, GRAY WITH GRAY RADOME, FLASH, STANDARD PACK.						
0007	2	EA	906-29		3799.09	7598.18
DISH 6 FT., ANDREW HP6-107-PIA/H HIGH PERFORMANCE ANTENNA FOR 10.5-11.7 GHZ CAT A, SINGLE POL, CPR90G, GRAY WITH WHITE TEGLAR RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR.						
0008	1	EA	906-29		3799.09	3799.09
DISH 6 FT., ANDREW HP6-59, HIGH PERFORMANCE PART# HP6-59-PIA/K SM						

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TITLE Govt Acct Coord FEIN 757321231 ADDRESS CHANGES TO BE NOTED ABOVE

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0009	21	EA		906-29	1712.04	35,952.84
ANTENNA FOR 5.925-6.425 GHZ, CAT A SINGLE POL., CPR137G GRAY WITH WHITE TEGLAR RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR. DISH 6 FT., ANDREW PAR6-59-PXA, STANDARD ANTENNA FOR						
0010	5	EA		906-29	1684.19	8420.95
5.925-6.425 GHZ, CAT A, WITH SINGLE POL., CPR137G, GRAY WITH GRAY MOLDED RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR. DISH 6 FT., ANDREW PAR6-65-PXA, STANDARD ANTENNA FOR						
0011	3	EA		906-29	2348.15	7044.45
6.425-7.125 GHZ, CAT A, SINGLE POL., CPR137G, GRAY WITH GRAY MOLDED RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR. DISH 6 FT., ANDREW VALULINE, VHLP6-11-6GR, HIGH PERFORMANCE ANTENNA FOR 10.7-11.7 GHZ, CAT A, SINGLE POL, CPR90G, GRAY WITH GRAY RADOME, FLASH, STANDARD PACK.						

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0012	1	EA	906-29	DISH 8 FT., ANDREW HP8-107-P1A, HIGH PERFORMANCE ANTENNA FOR 10.7-11.7 GHZ, CAT A, SINGLE POL, CPR90G, GRAY WITH WHITE TEGLAR RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR.	4688.95	4688.95
0013	10	EA	906-29	DISH 8 FT., ANDREW PAR8-59-PXA, STANDARD ANTENNA FOR 5.925-6.425 GHZ, CAT A SINGLE POL., CPRI37G, GRAY WITH GRAY MOLDED RADOME, FLASH, GLOBAL STANDARD PACK - 1 PC REFLECTOR.	2415.77	24,157.70
0014	148	EA	906-29	GROUNDING KIT, ANDREW 241088-4, 24" LEAD, WITH 2-HOLE FACTORY ATTACHED LUG FOR 1-5/8" COAXIAL CABLE, EW52, AND EW63 HELIAX WAVEGUIDE.	17.50	2590.00
0015	28	EA	906-29	GROUNDING KIT, ANDREW 204989-2, 24" CABLE WITH NEW PART # 241088-2	16.44	460.32

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0016	32	EA		906-29	53.68	1,717.76
1-HOLE FACTORY ATTACHED LUG FOR 7/8" COAXIAL AND EW85, EW90, EW127A, AND EW132 WAVEGUIDE HELIAX.						
HANGERS, ANDREW EWSH-63, SNAP-IN HANGER KIT OF 10, FOR EW63 HELIAX WAVEGUIDE.						
0017	41	EA		906-29	45.72	1,874.52
HANGERS, ANDREW EWSH-90, SNAP-IN HANGER KIT OF 10, FOR EW90 HELIAX WAVEGUIDE.						
0018	4	EA		906-29	16.30	65.20
HANGERS, ANDREW 42396A-8, STAINLESS STEEL, HANGER KIT OF 10, FOR EW52 HELIAX WAVEGUIDE.						

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0019	190	EA		906-29	53.68	10,199.20
HANGERS, ANDREW EWSH-52, SNAP-IN HANGER KIT OF 10, FOR EW52 HELIAX WAVEGUIDE.						
0020	38	EA		906-29	23.20	881.60
HOISTING GRIP, ANDREW 24312-A, STANDARD, FOR 1 5/8" CABLE AND EW52, AND EW63 ELLIPTICAL WAVEGUIDES.						
0021	7	EA		906-29	17.89	125.23
HOISTING GRIP, ANDREW 29958, STANDARD, FOR EW85, EW90, EW127A, AND EW132 ELLIPTICAL WAVEGUIDES.						
0022	4	EA		906-29	346.26	1385.04
LINE MONITOR, ANDREW MH-8B-001, EIGHT LINES 3-8 PSI NEW PART # LM400-H (WILL NEED 4 pcs) INCLUDES TWO INSTALLATION KITS AEO1K-CO331.						

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RFQ 03/13/2009

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0023	13	EA		906-29 LINE MONITOR, ANDREW MH-4B-001, FOUR LINES 3-8 PSI NEW PART # LM400-H INCLUDES INSTALLATION KIT AEO1K-C0331.	346.26	4501.38
0024	3	EA		906-29 MANIFOLD, ANDREW P/N 6600D-6, SIX OUTLET GAS MANIFOLD WITH GAUGE AND SHUTOFF VALVE INCLUDES 3/8 TUBE INSTALLATION.	197.39	592.17
0025	12	EA		906-29 MANIFOLD, ANDREW P/N 6600D-4, FOUR OUTLET GAS MANIFOLD WITH GAUGE AND SHUTOFF VALVE INCLUDES 3/8 TUBE INSTALLATION.	141.77	1701.24
0026	7	EA		906-29 PRESSURE WINDOW, ANDREW 55001-90, FOR USE WITH FLANGE TYPE CPR90G.	35.27	246.89

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SIGNATURE <i>Sharm McDonald</i>	TELEPHONE 864-397-3357	DATE 4-14-09	
TITLE Govt Acct Coord	FEIN 751331231	ADDRESS CHANGES TO BE NOTED ABOVE	

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RODNEY V. HUTTON

*222113321 02 877-832-6337
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0027	35	EA		906-29 PRESSURE WINDOW, ANDREW 55001-137, 5.925 - 7.125 GHZ, SIM FOR USE WITH FLANGE TYPE CPR137G.	35.27	1234.45
0028	5	EA		906-29 STRUT KIT, ANDREW 520570-1, ADJUSTABLE INBOARD OPTIONAL SIDE STRUT FOR 4' AND 6' MICROWAVE ANTENNAS.	139.16	695.80
0029	11	EA		906-29 STRUT KIT, ANDREW 520570-3, OUTBOARD STRUT KIT FOR 8' - 12' MICROWAVE ANTENNAS, INCLUDES U-JOINT & HARDWARE FOR ATTACHMENT TO REFLECTOR STRUT BRACKET, STRUT COLLAR ASSEMBLY INCLUDED, PIPE IS SCHEDULE 80 AND 10.5 FT.	155.06	1705.66
0030	7	EA		906-29 TWIST-FLEX, 35", ANDREW F090PC0360CS, WR90 10.7-11.7 NEW PART # F090CC35 GHZ, SIZE EIA WR90, CONNECTORS CPR90G EA. END.	219.82	1538.74

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0031	37	EA		906-29 TWIST-FLEX, 36", ANDREW F137PC0360CB, 5.85-8.200 GHZ New part# F137CCB3 SIZE EIA WR137, FLANGE TYPE CPR137G EA. END.	288.83	10,686.71
0032	3,715	FT		906-29 WAVEGUIDE, MAIN PATH, ANDREW EW52, HELIAX ELLIPTICAL WAVEGUIDE, STANDARD TYPE EW52, 5.60 - 6.425 GHZ.	10.69	39,713.35
0033	909	FT		906-29 WAVEGUIDE, MAIN PATH, ANDREW EW63, HELIAX ELLIPTICAL WAVEGUIDE, STANDARD TYPE EW63, 5.925-7.125 GHZ.	9.12	8,290.08
0034	730	FT		906-29 WAVEGUIDE, MAIN PATH, ANDREW EW90, HELIAX ELLIPTICAL WAVEGUIDE, STANDARD TYPE EW90, 10.2 - 11.7 GHZ.	8.68	6,336.40

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Sharon McDonald	866-397-3357	4-14-09	
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Govt Acct COORD	751321231		

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0035	26	EA		906-29 RADOME, 6FT., STANDARD MOUNT, ANDREW P/N R6E.	425.44	11,061.44
0036	10	EA		906-29 RADOME, 8FT., STANDARD MOLDED, ANDREW P/N R8F.	644.10	6,441.00
0037	1	EA		906-29 STEP-TWIST, 90-DEGREE, CPR137G, ANDREW P/N 65230-137 NEW PART # D137CCSG	171.25	171.25
0038	1,960	FT		906-29 WAVEGUIDE, DIVERSITY PATH, ANDREW EW52, HELIAX ELLIPITCAL WAVEGUIDE, STANDARD TYPE EW52, 5.60-6.425 GHZ.	10.69	20,952.40

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0039	450	FT		906-29	8.68	3906.00
WAVEGUIDE, DIVERSITY PATH, ANDREW EW90, HELIAX ELLIPTICAL WAVEGUIDE, STANDARD TYPE EW90, 10.2 - 11.7 GHZ. THE WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES (DHHR), STATE TRAUMA AND EMERGENCY CARE SYSTEM (STEC) DESIRES TO PURCHASE THE FOLLOWING COMMUNICATIONS SYSTEM HARDWARE INCLUDING MICROWAVE ANTENNAS AND TRANSMISSION LINES, AND OTHER PARTS AND ACCESSORIES FOR THE STATEWIDE MEDICAL COMMAND COMMUNICATIONS SYTEMS. VENDOR MUST MEET THE FOLLOWING SPECIFICATIONS: CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. INQUIRIES: WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH CLOSE OF BUSINESS ON 4/6/2009. QUESTIONS MAY BE SENT VIA USPS, FAX, COURIER OR E-MAIL. IN ORDER TO ASSURE NO						

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BID OPENING DATE: 04/22/2009 BID OPENING TIME 01:30PM

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<p>VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. IF POSSIBLE, E-MAIL QUESTIONS ARE PREFERRED. ADDRESS INQUIRIES TO:</p> <p>ROBERTA WAGNER DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25311</p> <p>FAX: 304-558-4115 E-MAIL: ROBERTA.A.WAGNER@WV.GOV</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Sharon McDonald</i>	TELEPHONE 866-397-3357	DATE 4-14-09	
TITLE Govt Acct Coord	FEIN 751321231	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
BPH90123

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13

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

VENDOR

*222113321 02 877-832-6337
 HUTTON COMMUNICATIONS INC
 4046 MOUND RD
 JOLIET IL 60436

SHIP TO

HEALTH AND HUMAN RESOURCES
 BPH - TRAUMA & EMERGENCY CARE
 SYSTEM - NOROP CENTER
 190 HART FIELD ROAD
 MORGANTOWN, WV
 26505 304-285-3332

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/13/2009	NET 30	BEST WAY	DESTINATION	PPID & ALLOWED

BID OPENING DATE: 04/22/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 PLEASE NOTE: A CONVENIENCE COPY WOULD BE APPRECIATED. THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER:-----RW/FILE 22----- RFQ. NO.:-----BPH90123----- BID OPENING DATE:-----4/22/2009----- BID OPENING TIME:-----1:30 PM----- PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: -----815-744-6066----- CONTACT PERSON (PLEASE PRINT CLEARLY): -----SHARON McDONALD-----						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Sharon McDonald</i>	TELEPHONE 815-397-3357	DATE 4-14-09	
TITLE Govt Acct Coord	FEIN 751321231	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
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 Post Office Box 50130
 Charleston, WV 25305-0130

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RFQ NUMBER
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ADDRESS CORRESPONDENCE TO ATTENTION OF
 ROBERTA WAGNER
 304-558-0067

VENDOR
 *222113321 02 877-832-6337
 HUTTON COMMUNICATIONS INC
 4046 MOUND RD
 JOLIET IL 60436

SHIP TO
 HEALTH AND HUMAN RESOURCES
 BPH - TRAUMA & EMERGENCY CARE
 SYSTEM - NOROP CENTER
 190 HART FIELD ROAD
 MORGANTOWN, WV
 26505 304-285-3332

DATE PRINTED 03/13/2009	TERMS OF SALE Net 30	SHIP VIA Best Way	F.O.B. Destination	FREIGHT TERMS PPD + Allowed
BID OPENING DATE: 04/22/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ BPH90123 ***** TOTAL:						\$274,807.65 SM

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Sharon McDonald* TELEPHONE: 866-397-3357 DATE: 4-14-09

TITLE: Govt Acct Coord FEIN: 757321231 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Specifications

The West Virginia Department of Health and Human Resources (DHHR), State Trauma and Emergency Care System (STECS) desires to purchase the following communications system hardware including microwave antennas and transmission lines, and other parts and accessories for the Statewide Medical Command communications system. Vendor must meet the following specifications:

1. Vendor quoted amounts shall include freight and shipping costs F.O.B. to destination to any West Virginia location. Specifically, no additional charges should be quoted for shipping.
2. Vendor must complete the entire price list quote sheet for each path and shall package and label each path prior to shipping.
3. Each path must be shipped complete. No partial shipment of a specific path will be accepted.
4. Vendor must insure delivery of all equipment within eight (8) weeks of order date.
5. All dishes and transmission line must be Andrews "or equal" to assure match with existing system.
6. Vendor must provide at least 48 hours notice to STECS of shipment dates.
7. Payment will be made once all order/path's are received at the address specified by State Medical Command Communications Director.
8. All parts must be compatible with Andrews part numbers with no deviations, or equal.



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 Charleston, WV 25305-0130

Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

VENDOR	*222113321 02 877-832-6337
	HUTTON COMMUNICATIONS INC 4046 MOUND RD
	JOLIET IL 60436

SHIP TO	HEALTH AND HUMAN RESOURCES
	BPH - TRAUMA & EMERGENCY CARE
	SYSTEM - NOROP CENTER
	190 HART FIELD ROAD
	MORGANTOWN, WV 26505 304-285-3332

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/16/2009	NET 30	Best Way	Destination	PPD + Allowed

BID OPENING DATE:	04/15/2009	BID OPENING TIME	01:30PM
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. TO CHANGE THE BID OPENING DATE AS FOLLOWS: FROM: 4/22/09 TO: 4/15/09						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: BPH90123						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO. S: NO. 1 ... <i>SM</i> ... NO. 2 ... <i>SM</i> ... NO. 3 NO. 4 NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	<i>Sharon McDonald</i>	TELEPHONE	866-397-3357	DATE	4-14-09
TITLE	Grove Acct Coord	FEIN	751321231	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
BPH90123

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2

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

VENDOR

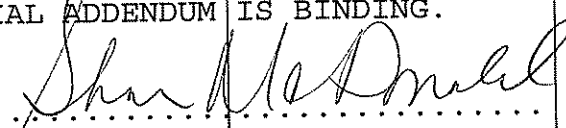
*222113321 02 877-832-6337
 HUTTON COMMUNICATIONS INC
 4046 MOUND RD
 JOLIET IL 60436

SHIP TO

HEALTH AND HUMAN RESOURCES
 BPH - TRAUMA & EMERGENCY CARE
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 190 HART FIELD ROAD
 MORGANTOWN, WV
 26505 304-285-3332

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/16/2009	NET 30	BEST WAY	DESTINATION	PPD + ALLOWED

BID OPENING DATE:	BID OPENING TIME
04/15/2009	01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;">  SIGNATURE HUTTON COMM. INC COMPANY 4-14-09 DATE </p> <p>REV. 11/96</p> <p style="text-align: center;">NO OTHER CHANGES</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	866-397-3357	4-14-09
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Govt Acct Coord.	757321231	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

request for Quotation

RFQ NUMBER
BPH90123

PAGE
1

ADDRESS: CORRESPONDENCE OR ATTENTION
ROBERTA WAGNER
304-558-0067

*222113321 02 877-832-6337
HUTTON COMMUNICATIONS INC
4046 MOUND RD

JOLIET IL 60436

ATTN: SHARON McDONALD

HEALTH AND HUMAN RESOURCES
BPH - TRAUMA & EMERGENCY CARE
SYSTEM - NOROP CENTER
190 HART FIELD ROAD
MORGANTOWN, WV
26505 304-285-3332

DATE PRINTED	TERMS OF SALE	SHIP VIA	RFQ	REIG TERMS
04/07/2009	NET 30	BESTWAY	DESTINATION	PRD + ALLOWED

BID OPENING DATE	BID OPENING TIME
04/15/2009	01:30PM

LINE	QUANTITY	UOM	UNIT PRICE	AMOUNT
ADDENDUM NO. 2				
1. QUESTIONS AND ANSWERS ARE ATTACHED.				
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.				
EXHIBIT 10				
REQUISITION NO.: BPH90123				
ADDENDUM ACKNOWLEDGEMENT				
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.				
ADDENDUM NO. S:				
NO. 1	SM			
NO. 2	SM			
NO. 3				
NO. 4				
NO. 5				
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.				

SEE REVERSE SIDE FOR TERMS AND CONDITIONS	
SIGNATURE <i>Sharon McDonald</i>	TELEPHONE 800-397-3357
TITLE Govt Acct Coord	DATE 4-14-09
FAX 751 321 231	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

APR. 7.2009 12:46PM

HUTTON COMMUNICATIONS SECT Fax 304-558-4115

RFQ NO. 222151344P.2004/UNS



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

request for Quotation

RFQ NUMBER	PAGE
BPH90123	2

ADDRESS FOR CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER
304-558-0067

*222113321 02 877-832-6337
HUTTON COMMUNICATIONS INC
4046 MOUND RD

JOLIET IL 60436

HEALTH AND HUMAN RESOURCES
BPH - TRAUMA & EMERGENCY CARE
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MORGANTOWN, WV
26505 304-285-3332

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS		
04/07/2009	NET 30	BEST WAY	Destination	PPD+ALLOWED		
BID OPENING DATE	BID OPENING TIME					
04/15/2009	02:30PM					
LINE	QUANTITY	UNIT	SA NO	ITEM NUMBER	UNIT PRICE	AMOUNT

VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

Shan McDonald
SIGNATURE
Hutton Comms Inc
COMPANY
4-14-09
DATE

REV. 11/96

END OF ADDENDUM NO. 2

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Shan McDonald</i>	TELEPHONE 866-397-3357	DATE 4-14-09
TITLE <i>Grant Acct Coord</i>	REIN 751321231	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

BPH90123 Addendum 2

To respond to vendor questions as follows:

1. Question: Is this an Andrew only bid or will equivalents be accepted. We only provide Andrew but I need to know please.
Response: We prefer Andrew, but if equivalent is used it must match the Andrew part number spec exactly to assure integration into the existing system. No deviation will be acceptable in this case due to the very tight engineering specs on this part of the project.
2. Question: Line items 4, 5, 22-23 and 30-31 have changed product numbers as the old numbers are obsolete. I am going to bid with the new part # pricing. I just wanted to make you aware.
Response: Line items 4, 5, 22-23 and 30-31. The newer part numbers may be used as long as the spec is the same.
3. Question: Line 37 is obsolete with no Andrew replacement according to the factory.
Response: Line 37 can be deleted from this bid.
4. Question: Is freight to be included or added? What is the expected FOB? and Does this bid need to be broken out by individual site?
Response: The last question concerning freight and the break out by individual site is already clearly answered in the specifications section of the bid under #1 (one) and #2(two). It clearly states the quoted prices must include freight, NO separate additional charges for freight can be quoted. Namely, the prices they quote must include the freight as part of the cost. The likely destination will be Shinnston or Charleston. Also as clearly stated in #2 of the specifications sheet, each path shall be packaged and labeled prior to shipping. Each path quote sheet must be completed and then the summary sheet completed to show the overall total cost.

Phase 10 MW Antenna Parts Summary Sheet

Qty	Unit	Part Number	Description	Quoted Price/Unit	Quoted Price Total
NOTE: ALL PARTS MUST BE COMPATIBLE WITH ANDREWS PART NUMBERS WITH NO DEVIATIONS. OR EQUAL.					
64	Ea	252DE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide (or equal)	188.94	\$ 12,089.76
10	Ea	163DE	Connector, Andrew P/N (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide (or equal)	122.02	\$ 1,220.20
14	Ea	190DE	Connector, Andrew P/N (190DE) non-tunable, Flange Type CPR90G for standard EW90-107, 10.7 - 11.7 GHz (or equal)	129.89	\$ 1,818.46
15	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator (or equal)	98.15	\$ 1,472.25
15	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl (or equal) OBSOLETE NEW PART # MTO50B-81315	1736.72	\$ 26,050.80
1	Ea	VHLP4-11-6GR	Dish 4 ft, Andrew ValiLine (VHLP4-11-6GR) high performance antenna for 10.7-11.7 GHz, Cat A, with single pole feed, CPR90G, Gray With Gray Radome, Flash, Standard Pack (or equal)	1447.79	\$ 1,447.79
2	Ea	HP6-107-P1A/H	Dish 6 ft, Andrew (HP6-107) high performance antenna for 10.5-11.7 GHz Cat A, single pole, CPR90G, Gray With White Teglar Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	3799.09	\$ 7,598.18
1	Ea	HP6-59-P1A/K	Dish 6 ft, Andrew (HP6-59) high performance antenna for 5.925-6.425 GHz, Cat A single pole, CPR137G, Gray With White Teglar Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	3799.09	\$ 3,799.09
21	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pole, CPR137G, Gray With Gray Molded Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	172.04	\$ 3,592.84
5	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 6.425-7.125 GHz, Cat A, single pole, CPR137G, Gray With Gray Molded Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	1684.19	\$ 8,420.95
3	Ea	VHLP6-11-6GR	Dish 6 ft, Andrew ValiLine (VHLP6-11) high performance antenna for 10.7-11.7 GHz, Cat A, single pole, CPR90G, Gray With Gray Radome, Flash, Standard Pack (or equal)	2348.15	\$ 7,044.45
1	Ea	HP8-107-P1A	Dish 8 ft, Andrew (HP8-107) high performance antenna for 10.7-11.7 GHz, Cat A, single pole, CPR90G, Gray With White Teglar Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	4688.95	\$ 46,889.50
10	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pole, CPR137G, Gray With Gray Molded Radome, Flash, Global Standard Pack - 1 PC Reflector (or equal)	2445.77	\$ 24,457.70
148	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63 Heliax waveguide (or equal)	17.50	\$ 2,590.00
28	Kit	204989-2	Grounding kit, Andrew (204989-2), 24" cable, with 1-hole factory attached lug for 7/8" coaxial and EW85, EW90, EW127A, and EW132 waveguide HELIAX (or equal) NEW PART # 241088-2	14.44	\$ 400.32
32	Pkg	EW5H-63	Hangers, Andrew (EW5H-63) Snap-in hangar kit of 10, for EW63 Heliax waveguide (or equal)	53.68	\$ 1,717.96
41	Pkg	EW5H-90	Hangers, Andrew (EW5H-90) Snap-in hangar kit of 10, for EW90 Heliax waveguide (or equal)	45.72	\$ 1,874.52
4	Pkg	42396A-8	Hangers, Andrew (42396A-8) Stainless steel, hangar kit of 10, for EW52 Heliax waveguide (or equal)	16.30	\$ 65.20
190	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide (or equal)	53.68	\$ 10,199.20
38	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides (or equal)	23.20	\$ 881.60
7	Ea	29958	Hoisting Grip, Andrew (29958) Standard, for EW85, EW90, EW127A, and EW132 elliptical waveguides (or equal)	17.89	\$ 125.23
42	Kit	MH-5B-001	Line Monitor, Andrew, Eight Lines 3-8 Psi Includes Two Installation Kits AED1K-C0331 (or equal)	346.24	\$ 14,540.88
13	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AED1K-C0331 (or equal)	346.24	\$ 4,501.32
3	Ea	6600D-6	Manifold, Andrew P/N 6600D-6, Six outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation	197.39	\$ 592.17
12	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation	17.11	\$ 205.32
7	Ea	55001-90	Pressure window, Andrew (55001-90) for use with flange type CPR90G (or equal)	35.27	\$ 246.89
35	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G (or equal)	35.27	\$ 1,234.45
5	Ea	520570-1	Strut Kit, Andrew (520570-1) Adjustable Inboard optional side strut for 4' and 6' microwave antennas (or equal)	139.16	\$ 695.80
11	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for attachment to reflector strut bracket, Strut collar assembly included. Pipe is schedule 80 and 10.5 ft. (or equal)	155.06	\$ 1,705.66
7	Ea	F090PC0360CS	Twist-Flex, 35", Andrew (F090PC0360CS) WR90 10.7-11.7 GHz, Size EIA WR90, Connectors CPR90G ea end (or equal)	214.82	\$ 1,503.74
37	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end (or equal)	358.83	\$ 13,286.71

Phase 10 MW Antenna Parts Summary Sheet

32	F1	EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz (or equal)	10.69	\$ 39,713.35
33	F1	EW63	Waveguide, Main Path, Andrew (EW63) Helix elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz " "	9.12	\$ 2,190.08
34	F1	EW90	Waveguide, Main Path, Andrew (EW90) Helix elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz (or equal)	8.10	\$ 635.44
35	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E (or equal)	235.44	\$ 11,014.44
36	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F " "	644.10	\$ 16,441.00
37	Ea	65230-137 U6	Step-Twist, 90-degree, CPR137G, Andrew P/N 65230-137 For 6.425-7.125 GHz (or equal)	171.25	\$ 171.25
38	F1	EW52	Waveguide, Diversity Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz (or equal)	10.69	\$ 20,952.40
39	F1	EW90	Waveguide, Diversity Path, Andrew (EW90) Helix elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz " "	8.68	\$ 3,406.00
			TOTAL		\$ 274,807.65

ORDER/Path Name ROM-KEY

Qty	Unit	Part Number	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SE	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
2	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1762.04	\$ 3484.08
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
9	Kit	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 483.12
2	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.95-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
150	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1603.50
2	Ea	R6E	Radome, 6ft, Standard Molded, Andrew PIN R6E	425.44	\$ 850.88
120	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.09	\$ 1210.80
Path Total					\$ 9234.70

ORDER/Path Name KEY-ROM

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
4	Ea 252DE-52	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
2	Ea PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	172.04	\$ 344.08
8	Kit 241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
9	Pkg EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 483.12
2	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AEO1K-C0331 no bid	346.26	\$ 346.26
1	Ea 6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.50
2	Ea F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EJA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
150	Ft EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1603.50
2	Ea R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 850.88
120	Ft EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1282.80
		Path Total		\$ 11,199.76

ORDER/Path Name WMG-CAR

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
4	Ea 252DE52	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.16
1	Ea AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
2	Ea PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.04	\$ 3424.08
8	Kit 241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
9	Pkg EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hangar kit of 10, for EW52 Helix waveguide	53.08	\$ 483.12
2	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea 6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
2	Ea F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
150	Ft EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1603.50
2	Ea R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	405.44	\$ 850.88
120	Ft EW52	Waveguide, Diversity Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1282.80
		Path Total		\$ 11,557.124

ORDER/Path Name CAR-WMG

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
4	Ea 252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
1	Ea AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-05D dehydrator	98.15	\$ 98.15
1	Ea MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
2	Ea PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.04	\$ 3424.08
8	Kit 241088-4	Hangers, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
9	Pkg EWSH-52	Grounding kit, Andrew (EWSH-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 483.12
2	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea 6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
2	Ea F137PC0360CB	Twist-Flex, 36" Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
150	Ft EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1603.50
2	Ea R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 850.88
120	Ft EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	70.69	\$ 8482.80
		Path Total		\$ 9844.32

ORDER/Path Name KOP-LIC

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
2	Ea 252DE SE	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea HP6-59 - P/A-K	Dish 6 ft, Andrew (HP6-59) high performance antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With	3799.09	\$ 3799.09
4	Kit 241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
4	Pkg 42396A-8	Hangers, Andrew (42396A-8) Stainless steel, hangar kit of 10, for EW52, Helix waveguide	16.30	\$ 65.20
1	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea.end	288.83	\$ 288.83
110	Fl EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1175.90
		Path Total		\$ 5835.37

ORDER/Path Name LIC-KOP

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
2	Ea 252DE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.00	\$ 1712.00
4	Kit 241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EWS2, and EW63	17.50	\$ 70.00
3	Pkg EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 161.04
1	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Kit IMH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit, AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea 6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
1	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
80	Ft EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 855.20
1	Ea R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 425.44
		Path Total		\$ 2271.80

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ORDER/Path Name MAL-GAU

Qty	Unit Part Number	Description	Quoted Price/Unit	Quoted Price Total
2	Ea 252DE-Σ	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 371.88
1	Ea PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol, CPR137G, Gray With Gray	245.77	\$ 245.77
4	Kit 241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
5	Pkg EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 268.40
1	Ea 24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea 55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea 520570-3	Siruit Kit, Andrew (520570-3) Outboard Siruit Kit for 8" - 12" microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
130	Fl EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1390.70
1	Ea R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
		Path Total		\$ 5168.21

ORDER/Path Name GAU-MAL

Qty	Unit	Part Number	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE-SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.78	\$ 1736.78
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	2415.77	\$ 2415.77
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
5	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Helix waveguide	53.68	\$ 268.40
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
130	F1	EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1389.70
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
			Path Total		\$ 7991.11

ORDER/Path Name WAY-DUN

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE SS	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	2415.77	\$ 2415.77
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
8	Pkg	EMSH-52	Hangers, Andrew (EMSH-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 429.44
2	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	520570-3	Sirut Kit, Andrew (520570-3) Outboard Sirut Kit for 8 - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
225	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2405.25
1	Ea	R8F	Radome, 8ft., Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
Path Total					\$ 10808.00

ORDER/Path Name **DUN-WAY**

Qty	Unit	Path Name	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE SC	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	AE01A-D1306-0B3	Dehydrator wall shelf Andrew P/N (AE01A-D1306-0B3) for MT-050 dehydrator	48.15	\$ 48.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	2415.77	\$ 2415.77
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
7	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Helix waveguide	53.68	\$ 375.76
2	Ea	24312-A	Holisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	141.77	\$ 141.77
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	520570-3	Pressure window, Andrew (520570-3) Outboard Sirut Kit for 8" - 12" microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea	F137PC0360CB	Sirut Kit, Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
205	Ft	EW52	Twist-Flex, 36" Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.64	\$ 2191.44
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
			Path Total		\$ 8923.42

ORDER/Path Name **DUN-WAR**

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE-SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
1	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.04	\$ 1712.04
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	245.77	\$ 245.77
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
16	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 858.88
2	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	1234.45	\$ 2468.90
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Smit Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.04	\$ 155.04
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-6.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
250	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2672.50
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 425.44
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
210	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2244.60
				Path Total	\$ 15,117.35

ORDER/Path Name WAR-DUN

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.09	\$ 1712.09
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	2415.77	\$ 2415.77
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
13	Pkg	EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 697.84
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.93	\$ 577.86
210	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2244.90
1	Ea	R8E	Radome, 6ft, Standard Molded, Andrew P/N R8E	425.44	\$ 425.44
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
180	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1924.20
			Path Total		\$ 14,086.24

ORDER/Path Name WAR-HOR

Qty	Unit	Rotary Park	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol., CPR137G, Gray With Gray	2415.77	\$ 2415.77
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
1	Pkg	EW52-52	Hangers, Andrew (EW52-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 53.68
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
120	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1,282.80
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
			Path Total		\$ 5,507.04

ORDER/Path Name HOR-WAR

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.78	\$ 1736.78
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol, CPR137G, Gray With Gray	245.77	\$ 245.77
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
4	Pkg	EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hangar kit of 10, for EW52 Helix waveguide	53.68	\$ 214.72
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8" tube installation kit	141.77	\$ 141.77
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	520570-3	Shut Kit, Andrew (520570-3) Outboard Shut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
120	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1282.80
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	144.10	\$ 144.10
			Path Total		\$ 7190.11

ORDER/Path Name COL-BUC

Qty	Unit	Rotary Park	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	163DE 5E	Connector, Andrew P/N (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide	122.02	\$ 244.04
1	Ea	AE01A-D1306-0D3	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 5.425-7.125 GHz, Cat A, single pol., CPR137G, Gray With Gray	1684.19	\$ 1684.19
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
5	Pkg	EWSH-63	Hangers, Andrew (EWSH-63) Snap-in hangar kit of 10, for EW63 Heliax waveguide	53.68	\$ 268.40
1	Ea	24312-A	Hbisting Grp, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-6	Manifold, Andrew P/N 6600D-6, Six outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	197.39	\$ 197.39
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.87	\$ 35.87
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
130	Ft	EW63	Waveguide, Main Path, Andrew (EW63) Heliax elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz	9.12	\$ 1185.60
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	485.44	\$ 485.44
			Path Total		\$1600.34

ORDER/Path Name BUC-COAL

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
1	Ea	65230-137 U6	Step-Twist, 90-degree, CPR137G, Andrew P/N 65230-137 For 6.425-7.125 GHz	171.25	\$ 171.25
				Path Total	\$ 171.25

ORDER/Path Name CAB-WHE

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	190DE	Connector, Andrew P/N (190DE) non-tunable, Flange Type CPR90G for standard EW90-107, 10.7 - 11.7 GHz	124.85	\$ 254.78
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1734.72	\$ 1734.72
1	Ea	VHLP6-11-6GR	Dish 6 ft, Andrew VailuLine (VHLP6-11) high performance antenna for 10.7- 11.7 GHz, Cat A, single pot., CPR90G, Gray	2348.15	\$ 2348.15
4	Kit	204989-2	Grounding kit, Andrew (202989-2), 24" cable with 4-hole factory attached lug for 7/8" coaxial and EW85, EW90, EW127A,	16.44	\$ 65.76
7	Pkg	EW90	Hangers, Andrew (EW90) Snap-in hangar kit of 10, for EW90 Helix waveguide	46.78	\$ 327.46
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
1	Ea	55001-80	Pressure window, Andrew (55001-80) for use with flange type CPR90G	35.27	\$ 35.27
1	Ea	520570-1	Strut Kit, Andrew (520570-1) Adjustable Inboard optional side strut for 4' and 6' microwave antennas	139.16	\$ 139.16
1	Ea	F090P-C0360CS	Twist-Flex, 35", Andrew (F090P-C0360CS) WR90 10.7-11.7 GHz, Size EIA-WR90, Connectors CPR90G ea end	219.88	\$ 219.88
190	Ft	EW90	Waveguide, Main Path, Andrew (EW90) Helix elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1649.20
			Path Total	1300.00	\$ 1300.00

ORDER/Path Name MOU-CAB

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	163DE S-Z	Connector, Andrew P/N (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide	128.02	\$ 244.04
1	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 6.425-7.125 GHz, Cat A, single pol., CPR137G, Gray With Gray	1684.19	\$ 1684.19
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
7	Pkg	EW5H-63	Hangers, Andrew (EW5H-63) Snap-in hanger kit of 10, for EW63 Hellax waveguide	53.68	\$ 375.76
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
197	Ft	EW63	Waveguide, Main Path, Andrew (EW63) Hellax elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz	9.12	\$ 1796.64
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.94	\$ 425.94
			Path Total		\$ 4993.31

ORDER/Path Name CAB-MOU

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	163DE SC	Connector, Andrew PIN (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide	122.02	\$ 244.04
1	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 6.425-7.125 GHz, Cat A, single pol, CPR137G, Gray With Gray	1684.19	\$ 1684.19
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
7	Pkg	EW5H-63	Hangers, Andrew (EW5H-63) Snap-in hanger kit of 10, for EW63 Heliax waveguide	53.68	\$ 375.76
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F-137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
197	Ft	EW63	Waveguide, Main Path, Andrew (EW63) Heliax elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz	9.12	\$ 1796.44
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 425.44
			Path Total		\$ 4443.41

ORDER/Path Name CAB-WES

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	163DE 52	Connector, Andrew P/N (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide	188.44	\$ 377.88
1	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 6.425-7.125 GHz, Cat A, single pol., CPR137G, Gray With Gray	1084.19	\$ 1084.19
4	Kil	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
7	Pkg	EW5H-63	Hangers, Andrew (EW5H-63) Snap-in hangar kit of 10, for EW63 Helix waveguide	53.68	\$ 375.76
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137P0360CB	Twist-Flex, 36" Andrew (F137P0360CB) 5.85-8.280 GHz, Size EIA WR 137, Flange Type CPR137G ea end	288.83	\$ 288.83
205	Fl	EW63	Waveguide, Main Path, Andrew (EW63) Helix elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz	9.12	\$ 1869.60
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	435.91	\$ 435.91
			Path Total		\$ 5150.17

ORDER/Path Name WES-CAB

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	163DE SE	Connector, Andrew P/N (163DE) non-tunable, Flange Type CPR137G for EW63 waveguide	122.02	\$ 244.04
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	PAR6-65-PXA	Dish 6 ft, Andrew (PAR6-65) standard antenna for 6.425-7.125 GHz, Cat A, single pole, CPR137G, Gray With Gray	1684.19	\$ 1684.19
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
6	Pkg	EWSH-63	Hangers, Andrew (EWSH-63) Snap-in hanger kit of 10, for EW63 Heliax waveguide	53.68	\$ 322.08
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
180	Fl	EW63	Waveguide, Main Path, Andrew (EW63) Heliax elliptical waveguide, Standard Type EW63, 5.925 - 7.125 GHz	9.12	\$ 1641.60
1	Ea	R6E	Radome 6ft Standard Molded, Andrew P/N R6E	425.00	\$ 425.00
			Path Total		\$ 7057.55

ORDER/Path Name CON-WEB

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SE	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.44	\$ 755.76
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew PIN (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew PIN (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	PAR8-59-PXA	Dish 6 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol, CPR137G, Gray With Gray	1712.00	\$ 1712.00
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A single pol, CPR137G, Gray With Gray	245.77	\$ 245.77
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
23	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.68	\$ 1234.04
4	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 92.80
1	Kit	MH-8B-001	Line Monitor, Andrew, Eight Lines 3-8 Psi Includes Two Installation Kits AE01K-C033 (no bid)	346.26	\$ 346.26
1	Ea	6600D-6	Manifold, Andrew PIN 6600D-6, Six outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	197.39	\$ 197.39
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	153.06	\$ 153.06
2	Ea	F137PC0380CB	Twist-Flex, 36", Andrew (F137PC0380CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
350	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 3741.50
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew PIN R6E	435.94	\$ 435.94
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew PIN R8F	644.10	\$ 644.10
320	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 3420.80
			Path Total		\$ 10,874.87

ORDER/Path Name WEB-CON

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.78	\$ 1736.78
1	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1763.04	\$ 1763.04
1	Ea	PAR8-59-PXA	Dish 8 ft, Andrew (PAR8-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	245.79	\$ 245.79
8	Kit	241088-4	Grounding kit, Andrew (241088-4); 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
13	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Heliax waveguide	53.608	\$ 697.84
2	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes L-joint & hardware for	155.06	\$ 155.06
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	288.83	\$ 577.66
205	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2191.45
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	125.74	\$ 125.74
1	Ea	R8F	Radome, 8ft, Standard Molded, Andrew P/N R8F	644.10	\$ 644.10
175	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1870.75
			Path Total		\$ 14,135.75

ORDER/Path Name CLE-MAL

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.44	\$ 755.76
1	Ea	AE01A-D1306-003	Dehydrator wall shelf Andrew P/N (AE01A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
2	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.04	\$ 3424.08
6	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
13	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hangar kit of 10, for EW52 Hellax waveguide	53.68	\$ 697.84
2	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 46.40
1	Kit	MH-4B-001	Line Monitor, Andrew, Four Lines 3-8 Psi Includes Installation Kit AE01K-C0331 no bid	346.26	\$ 346.26
1	Ea	6600D-4	Manifold, Andrew P/N 6600D-4, Four outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	141.77	\$ 141.77
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
205	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Hellax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2191.45
2	Ea	R6E	Radome, 6ft, Standard Mbided, Andrew P/N R6E	435.44	\$ 870.88
175	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Hellax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1870.75
			Path Total		\$ 12,948.20

ORDER/Path Name CLE-FLO

Qty	Unit	Rotary Park	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE	Connector, Andrew P/N (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
2	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	172.04	\$ 342.40
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 140.00
15	Pkg	EWSH-52	Hangers, Andrew (EWSH-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 805.20
3	Ea	29958	Hoisting Grip, Andrew (29958) Standard, for EW85, EW90, EW127A, and EW132 elliptical waveguides	17.89	\$ 53.67
2	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 70.54
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
234	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2501.46
2	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	135.04	\$ 850.88
204	Ft.	EW52	Waveguide, Diversity Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2180.76
			Path Total		\$ 11360.01

ORDER/Path Name MAL-GAR

Qty	Unit	Rotary Park	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	190DE	Connector, Andrew PIN (190DE) non-tunable, Flange Type CPR90G for standard EW90-107, 10.7 - 11.7 GHz	122.02	\$ 488.08
1	Ea	HP6-107-P1A	Dish 6 ft, Andrew (HP6-107) high performance antenna for 10.5-11.7 GHz Cat A, single pol., CPR90G, Gray With White	4688.95	\$ 4688.95
1	Ea	VHLP6-11-6GR	Dish 6 ft, Andrew VailuLine (VHLP6-11) high performance antenna for 10.7 - 11.7 GHz, Cat A, single pol., CPR90G, Gray	2348.15	\$ 2348.15
8	Kit	204989-2	Grounding kit, Andrew (202989-2), 24" cable with 1-hole factory attached lug for 7/8" coaxial and EW85, EW90, EW127A.	16.44	\$ 131.52
11	Pkg	EW90	Hangers, Andrew (EW90) Snap-in hangar kit of 10, for EW90 Heliax waveguide	45.72	\$ 502.92
2	Ea	29958	Hoisting Grip, Andrew (29958) Standard, for EW85, EW90, EW127A, and EW132 elliptical waveguides	17.89	\$ 35.78
2	Ea	55001-90	Pressure window, Andrew (55001-90) for use with flange type CPR90G	35.37	\$ 70.74
2	Ea	520570-1	Sirut Kit, Andrew (520570-1) Adjustable Inboard optional side strut for 4' and 6' microwave antennas	139.16	\$ 278.32
2	Ea	F090PC0360CS	Twist-Flex, 35", Andrew (F090PC0360CS) WR90 10.7-11.7 GHz, Size EIA WR90, Connectors CPR90G ea end	219.82	\$ 439.64
170	Ft	EW90	Waveguide, Main Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1475.60
140	Ft	EW90	Waveguide, Diversity Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1215.20
Path Total					\$11,014.70

ORDER/Path Name GAR-MAL

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	190DE	Connector, Andrew P/N (190DE) non-tunable, Flange Type CPR90G for standard EW90-107, 10.7 - 11.7 GHz	124.89	\$ 514.56
1	Ea	HP6-107-P1A	Dish 6 ft, Andrew (HP6-107) high performance antenna for 10.5-11.7 GHz Cat A, single pol., CPR90G, Gray With White	3799.04	\$ 3799.04
1	Ea	VHLP6-11-6GR	Dish 6 ft, Andrew ValuLine (VHLP6-11) high performance antenna for 10.7- 11.7 GHz, Cat A, single pol., CPR90G, Gray	2348.15	\$ 2348.15
8	Kit	204989-2	Grounding kit, Andrew (202989-2), 24" cable with 1-hole factory attached lug for 7/8" coaxial and EW85, EW90, EW127A.	16.44	\$ 131.52
10	Pkg	EWSH-90	Hangers, Andrew (EWSH-90) Snap-in hanger kit of 10, for EW90 Heliax waveguide	45.72	\$ 457.20
2	Ea	29958	Holding Grip, Andrew (29958) Standard, for EW85, EW90, EW127A, and EW132 elliptical waveguides	17.84	\$ 35.68
2	Ea	55001-90	Pressure window, Andrew (55001-90) for use with flange type CPR90G	35.27	\$ 70.54
2	Ea	520570-1	Strut Kit, Andrew (520570-1) Adjustable Inboard optional side strut for 4' and 6' microwave antennas	139.16	\$ 278.32
2	Ea	F090PC0360CS	Twist-Flex, 35", Andrew (F090PC0360CS) WR90 10.7-11.7 GHz, Size EIA WR90, Connectors CPR90G ea end	219.82	\$ 439.64
165	Fl	EW90	Waveguide, Main Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1432.20
135	Fl	EW90	Waveguide, Diversity Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1171.80
Path Total					\$ 10 683.75

ORDER/Path Name COL-BAR

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	252DE SZ	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 755.76
2	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	178.04	\$ 3424.08
8	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 170.00
15	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hanger kit of 10, for EW52 Helix waveguide	53.68	\$ 805.20
3	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW62, and EW63 elliptical waveguides	23.20	\$ 109.60
2	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 577.66
246	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2629.74
2	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	485.44	\$ 850.88
216	Ft	EW52	Waveguide, Diversity Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 2309.04
Path Total					\$ 11,561.96

ORDER/Path Name COL-GAR

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
4	Ea	190DE S E	Connector, Andrew P/N (190DE) non-tunable, Flange Type CPR90G for standard EW90-107, 10.7 - 11.7 GHz	124.84	\$ 519.50
1	Ea	AED1A-D1306-003	Dehydrator wall shelf Andrew P/N (AED1A-D1306-003) for MT-050 dehydrator	98.15	\$ 98.15
1	Ea	MT050-81015	Dehydrator, Andrew P/N (MT050-81015) 115 Vac 60 Hz, LP alarm, Pressure factory set at 5 psi, single line install kit incl	1736.72	\$ 1736.72
1	Ea	VHLP4-11-6GR	Dish 4 ft, Andrew Valul,Line (VHLP4-11-6GR) high performance antenna for 10.7-11.7 GHz, Cat A, with single pol feed,	1417.79	\$ 1417.79
1	Ea	HP8-107-F1A	Dish 8 ft, Andrew (HP8-107) high performance antenna for 10.7-11.7 GHz, Cat A, single pol., CPR90G, Gray With White	4688.95	\$ 4688.95
8	Kit	204989-2	Grounding kit, Andrew (202989-2), 24" cable with 1-hole factory attached lug for 7/8" coaxial and EW85, EW90, EW127A,	16.44	\$ 131.52
13	Pkg	EWSH-90	Hangers, Andrew (EWSH-90) Snap-in hanger kit of 10, for EW90 Heliax waveguide	45.72	\$ 594.36
2	Kit	MH-8B-001	Line Monitor, Andrew, Eight Lines 3-8 Psi Includes Two Installation Kits AE01K-C033 no bid	346.24	\$ 692.48
1	Ea	6600D-6	Manifold, Andrew P/N 6600D-6, Six outlet gas manifold with gauge and shutoff valve includes 3/8 tube installation kit	197.34	\$ 197.34
2	Ea	55001-90	Pressure window, Andrew (55001-90) for use with flange type CPR90G	35.27	\$ 70.54
1	Ea	520570-3	Strut Kit, Andrew (520570-3) Outboard Strut Kit for 8' - 12' microwave antennas, includes U-joint & hardware for	155.06	\$ 155.06
2	Ea	F090PC0360CS	Twist-Flex, 35', Andrew (F090PC0360CS) WR90 10.7-11.7 GHz, Size EIA WR90, Connectors CPR90G ea end	219.82	\$ 439.64
205	Ft	EW90	Waveguide, Main Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1779.40
175	Ft	EW90	Waveguide, Diversity Path, Andrew (EW90) Heliax elliptical waveguide, Standard Type EW90, 10.2 - 11.7 GHz	8.68	\$ 1519.00
			Path Total		\$13,826.78

ORDER/Path Name HGR-SAN

Qty	Unit	Rotary Park	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE 5Z	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	172.04	\$ 172.04
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
5	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hanger kit of 10, for EW52 Helix waveguide	53.68	\$ 268.40
1	Ea	24312-A	Hoisting Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW62, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
140	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Helix elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.69	\$ 1496.60
1	Ea	IR6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 425.44
			Path Total		\$4097.60

ORDER/Path Name SAN-HGR

Qty	Unit	ROTARY PARK	Description	Quoted Price/Unit	Quoted Price Total
2	Ea	252DE 52	Connector, Andrew PIN (252DE) non-tunable, Flange Type CPR137G for EW52 waveguide	188.94	\$ 377.88
1	Ea	PAR6-59-PXA	Dish 6 ft, Andrew (PAR6-59) standard antenna for 5.925-6.425 GHz, Cat A, with single pol., CPR137G, Gray With Gray	1712.04	\$ 1712.04
4	Kit	241088-4	Grounding kit, Andrew (241088-4), 24" lead, with 2-hole factory attached lug for 1-5/8" coaxial cable, EW52, and EW63	17.50	\$ 70.00
5	Pkg	EW5H-52	Hangers, Andrew (EW5H-52) Snap-in hanger kit of 10, for EW52 Heliax waveguide	53.68	\$ 268.40
1	Ea	24312-A	Holding Grip, Andrew (24312-A) Standard, for 1-5/8" cable and EW52, and EW63 elliptical waveguides	23.20	\$ 23.20
1	Ea	55001-137	Pressure window, Andrew (55001-137) 5.925 - 7.125 GHz, for use with flange type CPR137G	35.27	\$ 35.27
1	Ea	F137PC0360CB	Twist-Flex, 36", Andrew (F137PC0360CB) 5.85-8.200 GHz, Size EIA WR137, Flange Type CPR137G ea end	288.83	\$ 288.83
155	Ft	EW52	Waveguide, Main Path, Andrew (EW52) Heliax elliptical waveguide, Standard Type EW52, 5.60 - 6.425 GHz	10.09	\$ 1456.95
1	Ea	R6E	Radome, 6ft, Standard Molded, Andrew P/N R6E	425.44	\$ 425.44
			Path Total		\$ 4858.80

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (**West Virginia Code §61-5-3**), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: HUTTON COMMIS INC.
Authorized Signature: Sharon McDonald Date: 4-14-09

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

N/A

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
- 2. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 3. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 4. **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
- 5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
- 6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: HUTTON COMMS INC Signed: Sharon MacDonald
 Date: 4-14-09 Title: Govt Acct Coord.

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

Product Specifications



252SE

Fixed-tuned CPR137G for elliptical waveguide 52

CHARACTERISTICS

General Specifications

Body Style	Straight, fixed-tuned
Interface	CPR137G
Waveguide Size	WR137 WG14 R70
Brand	HELIAX®
Material Type	Brass

Electrical Specifications

Operating Frequency Band	5.0 – 6.425 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	92.00 kW @ 6.00 GHz

Mechanical Specifications

Attachment Method	Tab-flare Tool-flare
Inner Contact Plating	Unplated
Outer Contact Plating	Unplated
Pressurizable	Yes

Dimensions

Length	114.55 mm 4.51 in
Transition Length	75.69 mm 2.98 in
Weight	1.80 kg 3.97 lb
Width	88.90 mm 3.50 in

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)

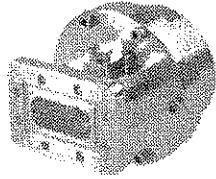


Product Specifications



163SE

Fixed-tuned CPR137G for elliptical waveguide 63



CHARACTERISTICS

General Specifications

Body Style	Straight, fixed-tuned
Interface	CPR137G
Waveguide Size	WR137 WG14 R70
Brand	HELIAX®
Material Type	Brass

Electrical Specifications

Operating Frequency Band	5.925 – 7.125 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	102.00 kW @ 6.78 GHz

Mechanical Specifications

Attachment Method	Tab-flare Tool-flare
Inner Contact Plating	Unplated
Outer Contact Plating	Unplated
Pressurizable	Yes

Dimensions

Length	85.34 mm 3.36 in
Transition Length	52.83 mm 2.08 in
Weight	1.70 kg 3.75 lb
Width	85.85 mm 3.38 in

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)

Regulatory Compliance/Certifications



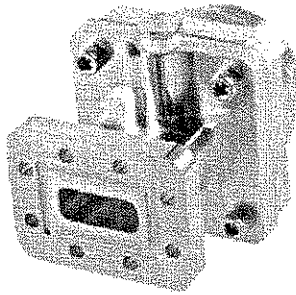
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Product Specifications



190SE

Fixed-tuned CPR90G for elliptical waveguide 90



CHARACTERISTICS

General Specifications

Body Style	Straight, fixed-tuned
Interface	CPR90G
Waveguide Size	WR90 WG16 R100
Brand	HELIAX®
Material Type	Brass

Electrical Specifications

Operating Frequency Band	10.2 – 11.7 GHz
Insertion Loss, typical	0.01 dB
Peak Power, maximum	44.90 kW @ 11.20 GHz

Mechanical Specifications

Attachment Method	Tab-flare Tool-flare
Inner Contact Plating	Unplated
Outer Contact Plating	Unplated
Pressurizable	Yes

Dimensions

Length	80.77 mm 3.18 in
Transition Length	46.23 mm 1.82 in
Weight	1.00 kg 2.20 lb
Width	72.39 mm 2.85 in

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)

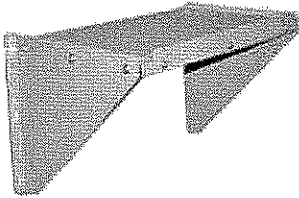


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Product Specifications



AE01D-D1658-100
Dehydrator Wall Shelf



CHARACTERISTICS

Dimensions

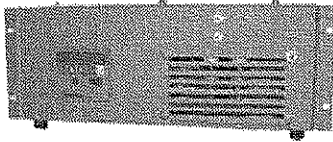
Gross Weight, Packed	7.27 kg		16.03 lb
Net Weight	0.20 kg		0.44 lb
Product Depth, Packed	48.26 cm		19.00 in
Product Height, Packed	7.62 cm		3.00 in
Product Width, Packed	48.26 cm		19.00 in

Product Specifications



MT050B-81315

DryLine® Dehydrator, Low-pressure membrane, 19 in rack mountable, 3.0–5.0 psig, with discrete alarm, 115/230 Vac, 50/60 Hz, auto-detecting



• See related products for dc options, sold separately

CHARACTERISTICS

Alarm Type

Excess-Run Alarm	10 minutes, factory set
High-Humidity Alarm	7.5% RH, factory set
Low-Pressure Alarm	68 mbar 7 kPa 1 psig
Power-Fail Alarm	Loss of input power

Dimensions

Gross Weight, Packed	17.73 kg 39.08 lb
Net Weight	16.04 kg 35.36 lb
Product Depth	355.60 mm 14.00 in
Product Depth, Packed	53.34 cm 21.00 in
Product Height	177.80 mm 7.00 in
Product Height, Packed	35.56 cm 14.00 in
Product Width	482.60 mm 19.00 in
Product Width, Packed	45.72 cm 18.00 in

Electrical Specifications

Power Cord	USA power cord Europe power cord with stripped leads
Alarm Contact Rating	Form C dry contacts, 2 amps at 30 Vdc
Operating Temperature	+1 °C to +40 °C (+33 °F to +104 °F)
Power Consumption	184.0 W
Power Frequency	60/50 Hz
Power Phase	Single
Voltage	115/230 Vac ±10%, auto detecting
Suggested Circuit Breaker Size	20 A
Circuit Breaker Requirement	Electrical connections require separate circuits for dehydrator installation

General Specifications

Dehydrator Type	Automatic Membrane
Volume Capacity, maximum	60.00 ft ³
Dew Point	Better than -45 °C (-50 °F) at 92% RH at +40 °C (+104 °F)



Product Specifications



ADP506-81114

Flow Rate	3.40 SLPM 0.12 SCFM
Includes	3/8 in polyurethane tubing 90° elbow fitting Instruction sheet Male connector fitting Needle valve Power cord Power cord connector lock PTFE tape Screws
Mount Type	Rack Floor Shelf Wall
Patent Number	4944776 5118327 5681368 5762690 5885329 6800114
Port Count	1
Port Type	3/8 in PE tube
Rack Type	EIA 19 in
Rack Units	4
Regulated Output Pressure Type	factory set
Regulated Output Pressure, maximum	5.0 psig
Volume Capacity, minimum	0.00 ft ³



Product Specifications



241088-2

Standard Grounding Kit for 5/8 in and 7/8 in corrugated coaxial cable and elliptical waveguide 85, 90, 127A, and 132



CHARACTERISTICS

Dimensions

Nominal Size	5/8 in 7/8 in
Waveguide Size	WR62 WG18 R140 WR75 WG17 R120 WR90 WG16 R100
Bonding Conductor Length	609.6 mm 24 in
Cable Jacketing Removal Length, maximum	59.1 mm 2.3 in
Cable Jacketing Removal Length, minimum	55.9 mm 2.2 in
Compatible Diameter, maximum	28.702 mm 1.130 in
Compatible Diameter, minimum	21.336 mm 0.840 in

Electrical Specifications

Current Handling	Tested to withstand 100,000 amps peak current surge
Current Handling Test Method	MIL-STD-1757
Grounding, Bonding and Shielding Test Method	MIL-STD-188-124A
Lightning Protection Test Method	IEC 1024-1

General Specifications

Cable Type	Corrugated Elliptical waveguide
Grounding Kit Type	Standard Grounding Kits
Color	Black
Bonding Conductor Material	Copper
Bonding Conductor Wire Size	6 gauge
Bonding Conductor Jacketing Material	PE
Grounding Strap Material	Copper
Includes	Grounding kit Hardware Lug One roll of 2 in PVC tape One roll of 24 in butyl rubber tape
Lug Attachment	Factory attached
Lug Type	Two-hole lug
Package Quantity	1
Rivet Material	Copper
Weatherproofing Method	Butyl and electric tape



Product Specifications

0410002



Mechanical Specifications

Blowing Rain Test Method	MIL-STD-810, Method 506
Corrosion Test Method	MIL-STD-1344, Method 1001
Freezing Rain/Icing Test Method	MIL-STD-810, Method 521
Humidity Test Method	MIL-STD-1344, Method 1002
Immersion Test Method	IEC 60529:2001, IP68
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)
Thread Size	3/8 in
UV Resistance Test Method	MIL-STD-810, Method 505
Vibration Test Method	MIL-STD-202, Method 214

Packed Dimensions

Height	266.7 mm 10.5 in
Length	57.2 mm 2.3 in
Shipping Weight	0.72 kg 1.58 lb
Width	266.7 mm 10.5 in

* Footnotes

Grounding, Bonding and Shielding Test Method	Military Standard for Grounding, Bonding, and Shielding: Bond Resistance Requirement of a Maximum dc resistance of 0.001 ohms
Lightning Protection Test Method	Protection Against Lightning Electromagnetic Impulse, Table 1— Protection Level III–IV, 1995-02



Product Specifications



MH-8B-001

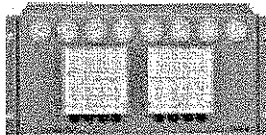
8-port Line Monitor, 19 in rack mountable, 0–15.0 psig, 25 ft of tubing per port, includes installation kit

OBSOLETE

This part number is supported until: **4/1/2013**

Replaced By:

LM400-H	4-port High-pressure Line Monitor, 19 in rack/wall mountable, 0–15.0 psig, 25 ft of tubing per port
LM400-L	4-port Low-pressure Line Monitor, 19 in rack/wall mountable, 0–2.0 psig, 25 ft of tubing per port
LM400-M	4-port Medium-pressure Line Monitor, 19 in rack/wall mountable, 0–5.0 psig, 25 ft of tubing per port



CHARACTERISTICS

Dimensions

Gross Weight, Packed	11.79 kg		26.00 lb
Net Weight	7.53 kg		16.60 lb
Product Depth, Packed	58.39 cm		22.99 in
Product Height, Packed	30.45 cm		11.99 in
Product Width, Packed	45.68 cm		17.98 in

General Specifications

Distribution System Monitor



Product Specifications



MH-4B-001

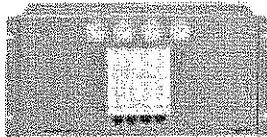
4-port Line Monitor, 19 in rack mountable, 0–15.0 psig, 25 ft of tubing per port, includes installation kit

OBSOLETE

This part number is supported until: **4/1/2013**

Replaced By:

LM400-H	4-port High-pressure Line Monitor, 19 in rack/wall mountable, 0–15.0 psig, 25 ft of tubing per port
LM400-L	4-port Low-pressure Line Monitor, 19 in rack/wall mountable, 0–2.0 psig, 25 ft of tubing per port
LM400-M	4-port Medium-pressure Line Monitor, 19 in rack/wall mountable, 0–5.0 psig, 25 ft of tubing per port



CHARACTERISTICS

Dimensions

Gross Weight, Packed	13.61 kg		30.00 lb
Net Weight	7.53 kg		16.60 lb
Product Depth, Packed	58.39 cm		22.99 in
Product Height, Packed	30.45 cm		11.99 in
Product Width, Packed	45.68 cm		17.98 in

General Specifications

Distribution System Monitor

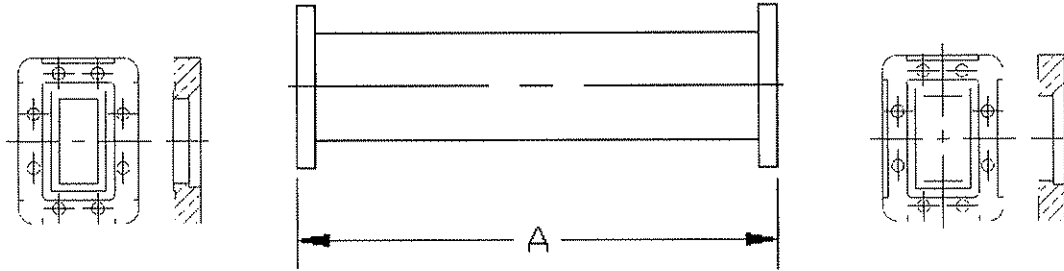


Rectangular Waveguide Components

ezGuide Product Specification

Rectangular Waveguide Components

Part Number: F090CCS3



Description

Product Type	Flexible Twist
Waveguide	WR90
Flange A	CPR90G
Flange B	CPR90G
Frequency	8.2 - 12.4 / VSWR: 1.10
Length	35.0 in / 900 mm

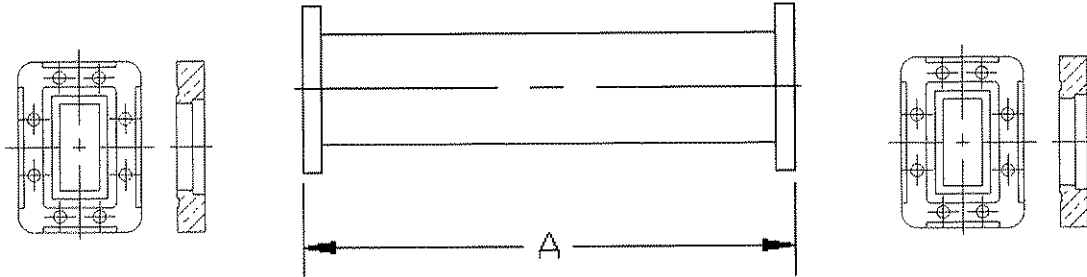
For all rigid parts the tolerance is ± 0.060 inches
 For flex it is +3% - 0
 No length or tolerance specified for Coax to WG transitions.

Rectangular Waveguide Components

ezGuide Product Specification

Rectangular Waveguide Components

Part Number: F137CCB3



Description

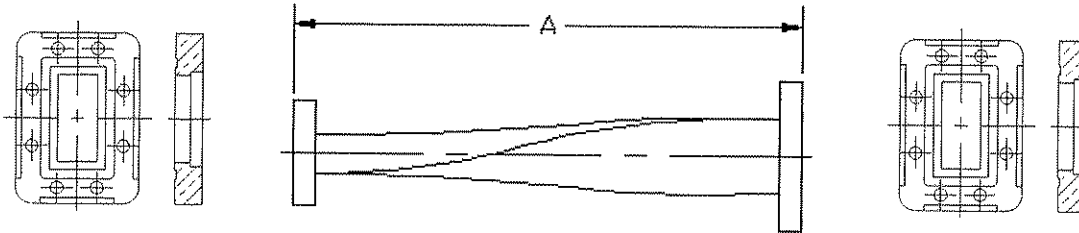
Product Type	Flexible Twist
Waveguide	WR137
Flange A	CPR137G
Flange B	CPR137G
Frequency	6.425 - 7.125 / VSWR: 1.03
Length	35.0 in / 900 mm

For all rigid parts the tolerance is ± 0.060 inches
 For flex it is +3% - 0
 No length or tolerance specified for Coax to WG transitions.

Rectangular Waveguide Components

ezGuide Product Specification

Part Number: D137CCSG



Description

Product Type	90° Twist
Waveguide	WR137
Flange A	CPR137G
Flange B	CPR137G
Frequency	5.850 - 8.200 / VSWR: 1.06
Finish	Gray

For all rigid parts the tolerance is ± 0.060 inches
 For flex it is +3% - 0
 No length or tolerance specified for Coax to WG transitions.