Option #1 - No Antenna buttons

Possible antenna connections if Manpack PA in **SAT**Mode based on HH PA mode

N	PACK		HANDHELD				
MODE		ANT		MODE		A۱	IT.
SAT		SAT		SAT		SAT	\circ
WB (\supset	WB	\circ	WB	\circ	WB	\circ
LOS ()	LOS	$\overline{\bigcirc}$	LOS	$\overline{\bigcirc}$	LOS	

	MAN	PACK		HANDHELD			
MOD	ÞΕ	ANT		MODE		ANT	
SAT 🔵		SAT		SAT	0	SAT	0
WB	\bigcirc	WB	\circ	WB		WB	
LOS	Ŏ	LOS	Ŏ	LOS	Ŏ	LOS	Ō

MAN	PACK	HANDHELD			
MODE	ANT	MODE	ANT		
SAT 🔵	SAT 🔵	SAT 🔘	SAT 🔘		
WB 🔘	WB 🔘	WB 🔘	WB 🔘		
LOS 🔵	LOS 🔘	LOS 🌑	LOS 🔵		

Possible antenna connections if Manpack PA in **WB**Mode based on HH PA mode

М	ANPACK		HANDHELD			
MODE	ANT		MODE		ANT	
SAT (SAT	\circ	SAT		SAT	
WB (WB		WB	\bigcirc	WB	\bigcirc
LOS C	LOS	Ō	LOS	Ŏ	LOS	Ŏ

	MAN	PACK		HANDHELD			
MODE		ANT		MODE		ANT	
SAT	0	SAT	0	SAT	0	SAT	0
WB		WB		WB		WB	
LOS	Ó	LOS	Ŏ	LOS		LOS	

	PACK		HANDHELD				
MODE		ANT		MODE		ANT	
SAT	0	SAT	0	SAT	0	SAT	0
WB		WB		WB	\bigcirc	WB	\bigcirc
LOS	\bigcirc	LOS	\bigcirc	LOS		LOS	

Possible antenna connections if Manpack PA in **LOS**Mode based on HH PA mode

	MAN	PACK		HANDHELD				
МО	DE	ANT		MODE		ANT		
SAT	\circ	SAT	\circ	SAT		SAT		
WB	\bigcirc	WB	\bigcirc	WB	\circ	WB	\bigcirc	
LOS		LOS		LOS	Ŏ	LOS	Ō	

	MAN	PACK		HANDHELD			
MOD	MODE		ANT		MODE		١T
SAT	0	SAT	0	SAT	0	SAT	0
WB	\circ	WB	\circ	WB		WB	
LOS		LOS		LOS	\circ	LOS	\circ

	MAN	PACK		HANDHELD			
MODE		ANT		MODE		ANT	
SAT	$\overline{}$	SAT	$\overline{}$	SAT	0	SAT	$\overline{}$
WB	\bigcirc	WB		WB	\circ	WB	
LOS		LOS		LOS		LOS	Ŏ

Default antenna connections with **Either or Both Manpack and HH PAs powered OFF**

MANI	PACK	HAND	HELD
MODE	ANT	MODE	ANT
SAT 🚫	SAT	SAT 🚫	SAT 🔵
WB 🚫	WB	WB ⊗	WB 🔘
LOS 🚫	LOS 🗍	LOS 🚫	LOS

Note that when the Manpack PA is OFF, the Manpack SAT antenna connection path is 30-512 MHz and that Manpack WB antenna connection path is 30 MHz to 2.0 GHz. When the Handheld PA is OFF, the Handheld LOS antenna connection is 30 MHz to 2.0 GHz, otherwise the Handheld LOS antenna connection is 30-512 MHz.

Option #2 - Antenna Button on Hand Held only - Allows selecting any open antenna port for the handheld.

Possible antenna connections if Manpack PA in **SAT** Mode based on HH PA mode

Γ		MAN	PACK		HANDHELD				
Г	МО	DE	ANT		MODE		AN	IT	
Г	SAT		SAT	1	SAT		SAT		
	WB	Ŏ	WB	Ō	WB	Ŏ	WB	3	
ı	LOS		LOS	\bigcirc	LOS		LOS	2	

	MAN	PACK			HANI	HELD	
MODE		ANT		MODE		A۱	١T
SAT		SAT	1	SAT	0	SAT	0
WB	O	WB	\circ	WB		WB	2
LOS	\bigcirc	LOS		LOS		LOS	3

	MAN	PACK			HANI	OHELD	
МО	DE	A۱	IT	МО	DE	AN	Т
SAT		SAT	1	SAT	\circ	SAT	0
WB	Ŏ	WB	Ō	WB	Ŏ	WB	3
LOS	\circ	LOS	\bigcirc	LOS		LOS	2

Possible antenna connections if Manpack PA in **WB** Mode based on HH PA mode

	MAN	PACK			HANI	DHELD	
MOD	MODE ANT MODE			DE	AN	Т	
SAT	0	SAT	0	SAT		SAT	2
WB		WB	1	WB	Ŏ	WB	Ŏ
LOS	\bigcirc	LOS		LOS		LOS	3

IAM	NPACK			HANI	DHELD	
MODE	ANT		МО	DE	ANT	
SAT 🔘	SAT	0	SAT	0	SAT	3
WB 🔵	WB	1	WB		WB	0
LOS 🔘	LOS	Ō	LOS		LOS	2

		MAN	PACK		HANDHELD					
	MODE		ANT		MODE		AN	T		
S.	AT	0	SAT	\circ	SAT	$\overline{}$	SAT	3		
٧	VB		WB	1	WB	\circ	WB	0		
L	OS	\bigcirc	LOS	\bigcirc	LOS		LOS	2		

Possible antenna connections if Manpack PA in **LOS** Mode based on HH PA mode

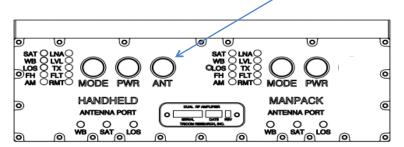
	MAN	IPACK			HANI	DHELD	
МО	DE	A۱	IT.	МО	DE	AN	IT
SAT	0	SAT	0	SAT		SAT	
WB		WB	\circ	WB	\circ	WB	
LOS		LOS	1	LOS	Ō	LOS	O

	MAN	PACK			HANI	OHELD	
MOI	DE	A۱	T	МО	DE	AN	Т
SAT	0	SAT	0	SAT	0	SAT	3
WB	\circ	WB		WB		WB	2
LOS		LOS	1	LOS	Ó	LOS	Ō

	MAN	IPACK		HANDHELD					
МО	DE	ΑN	IT.	МО	DE	AN	IT		
SAT	$\overline{}$	SAT	0	SAT	$\overline{}$	SAT	3		
WB	Ŏ	WB	Ó	WB	Ŏ	WB	2		
LOS		LOS	1	LOS		LOS			

Notes:

- 3 Black 3 📗 3 is the Secondary Handheld position of available antennas accessed by pressing the Handheld antenna button. Pressing the ANT button toggles between 2 and 3.



Default antenna connections with BOTH Manpack and HH PAs powered OFF

	MAN	PACK			HAND	HELD	
MO	MODE ANT		MO	DE	AN	Т	
SAT	\otimes	SAT		SAT	\otimes	SAT	\circ
WB	\otimes	WB (WB	\otimes	WB	\circ
LOS	\otimes	LOS (Ō	LOS	\otimes	LOS	

Antenna connections with Manpack-ON & Handheld-OFF

Refer to possible combinations per chart .
Note that Mode will NOT be indicated on the Handheld PA.

Antenna connections with Manpack-OFF & HandHeld -ON

	MANI	PACK			HAND	HELD				
MO	DE	ANT		МО	DE	ANT	Ī			
SAT	\otimes	SAT		SAT	\otimes	SAT	0		$\overline{)}$	$\overline{)}$
WB	\otimes	WB	\circ	WB	\otimes	WB	0			
LOS	\otimes	105		LOS	\otimes	105		\bigcirc () (

Notes:

1 Black is the default position without pressing the antenna button.

Purple

Orange

- 2 First press of the antenna button sets antennas to position as shown in chart above.
- 3 Second press of the antenna button sets antennas to position as shown in chart above.
- 4 Third press of the antenna button sets antennas to position as shown in chart above.
- 5 Fourth press of the antenna button sets antennas back to the default Black position as shown in chart above.

Note that when the Manpack PA is OFF, the Manpack LOS and SAT connection paths are 30-512 MHz and that Manpack WB connection path is 30 MHz to 2.0 GHz. When the Handheld PA is OFF, the Handheld to LOS connection is 30 MHz to 2.0 GHz, otherwise the Handheld antenna connections are 30-512 MHz.

Option #3 - Antenna Button on ManPack only. Allows Manpack to select any antenna port.

Possible antenna connections if Manpack PA in **SAT**Mode based on HH PA mode

MAN	IPACK	HAN	DHELD		
MODE	ANT	MODE	MODE ANT		
SAT 🔵	SAT 🔵	SAT 🔵	SAT 🔵		
WB 🔘	WB 🔵	WB 🔘	WB 🔘	\circ	
LOS 🔿	LOS 🛑	LOS 🔿	LOS	\bigcirc	

Possible antenna connections if Manpack PA in **WB**Mode based on HH PA mode

	MAN	PACK		HANI	DHELD			
MODE		ANT	MODE		ANT			
SAT	0	SAT	SAT		SAT			$\overline{}$
WB		WB	WB	\circ	WB	\circ	\circ	\circ
LOS	O	LOS	LOS	Ŏ	LOS	Ŏ	Ŏ	

Possible antenna connections if Manpack PA in **LOS** Mode based on HH PA mode

MAN	PACK			HANI	OHELD			
MODE	AN	Г	МО	DE	A	١T		
SAT 🔘	SAT		SAT		SAT		\overline{O}	
WB 🔘	WB		WB	\circ	WB		\bigcirc	\circ
LOS 🔵	LOS		LOS	Ō	LOS	O		Ŏ

М		HAN	DHELD					
MODE	AN	T	MODE		ANT			
SAT (SAT		SAT	0	SAT	\circ	0	\circ
WB () WB		WB		WB		Ŏ	
LOS (LOS		LOS	Ŏ	LOS	Ŏ		Ŏ

ı	PACK		HANI	DHELD					
MODE		ANT		MODE		ANT			
SAT (\circ	SAT		SAT	\circ	SAT	0	\circ	\circ
WB (WB		WB		WB	Ŏ		
LOS (Ŏ	LOS		LOS		LOS		Ŏ	Ŏ

	MAN	IPACK	HANI	DHELD	
	MODE	ANT	MODE	ANT	
	SAT 🔘	SAT 🔵	SAT 🔘	SAT 🔘	\circ
	WB 🔘	WB 💮	WB 🔵	WB	
	LOS 🔵	LOS 🔵	LOS 🔘	LOS 🔘	Ō
,					

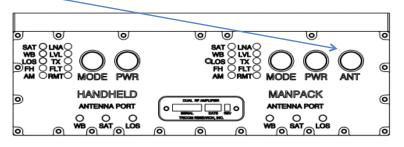
M	ANPACK			HANI	OHELD			
MODE	AN	Т	MODE		ANT			
SAT (SAT		SAT	\overline{O}	SAT	$\overline{}$	\overline{O}	0
WB C) WB		WB	\bigcirc	WB	\bigcirc	\bigcirc	
LOS C	LOS		LOS		LOS			\circ

	MAN	PACK		HANDHELD				
MODE		ANT	MODE		ANT			
SAT	0	SAT	SAT	0	SAT	\overline{O}	$\overline{}$	\circ
WB		WB	WB	\circ	WB	\circ		\circ
LOS	\bigcirc	LOS	LOS		LOS		\circ	

MAN	PACK		HAN	DHELD			
MODE	ANT	MODE		ANT			
SAT 🔘	SAT	SAT	0	SAT	\overline{O}	\overline{O}	0
WB O	WB	WB	\circ	WB		\bigcirc	\circ
LOS 🔵	LOS	LOS		LOS	0		

Notes:

- 1 Black is the default antenna position when MODE is changed.
- 2 First press of Manpack antenna button moves antennas to the Green position (as shown in chart above).
- 3 Second press of Manpack antenna button moves antennas to the Purple position (as shown in chart above).
- 4 Third press of Manpack antenna button returns to the default Black position.



Default antenna connections with BOTH Manpack and HH PAs powered OFF

	MANPACK				HANDHELD				
MO	MODE ANT		МО	DE	AN'	Т			
SAT	\otimes	SAT		SAT	\otimes	SAT	\circ		
WB	\otimes	WB		WB	\otimes	WB	\circ		
LOS	\otimes	LOS	Ō	LOS	\otimes	LOS			

Antenna connections with Manpack-ON & Handheld-OFF

Refer to possible combinations per chart
Note that Mode wil NOT be indicated on the Handheld PA.

Antenna connections with Manpack-OFF & HandHeld -ON

	HANDHELD					MANPACK					
	Т	AN ⁻	DE	MO			ANT	DE	МО		
	\bigcirc	SAT	\otimes	SAT			SAT	\otimes	SAT		
	Ŏ (WB	\otimes	WB			WB	\otimes	WB		
\bigcirc		LOS	\otimes	LOS			LOS	\otimes	LOS		

Notes :

Black is the default position without pressing the antenna button.

Purple

- 2 First press of the antenna button sets antennas to Green position as shown in chart above.
- 3 Second press of the antenna button sets antennas to position as shown in chart above.
 - Third press of the antenna button sets antennas to position as shown in chart above.
- 5 Fourth press of the antenna button sets antennas back to the default Black position as shown in chart above.

Note that when the Manpack PA is OFF, the Manpack LOS and SAT connection paths are 30-512 MHz and that Manpack WB connection path is 30 MHz to 2.0 GHz. When the Handheld PA is OFF, the Handheld to LOS connection is 30 MHz to 2.0 GHz, otherwise the Handheld antenna connections are 30-512 MHz.

Option #4 - Antenna Buttons on both Manpack and Hand Held. Allows Manpack to select any antenna port and handheld to select any available antenna port.

Possible antenna connections if Manpack PA in **SAT** Mode based on HH PA mode

MAN		HANDHELD						
MODE	MODE ANT		MODE		A۱	IT		
SAT 🔵	SAT	1	SAT		SAT		2	2
WB 🔘	WB	1	WB	\circ	WB	3	\circ	3
LOS 🔘	LOS	1	LOS	0	LOS	2	3 (

Possible antenna connections if Manpack PA in **WB** Mode based on HH PA mode

	MAN	PACK			HAN	DHELD	
MODE		ANT		MODE		ANT	
SAT	0	SAT	1	SAT		SAT	2 2 2
WB		WB	1	WB	\circ	WB	3 3 3
LOS	\circ	LOS	1	LOS	\circ	LOS	3 2

Possible antenna connections if Manpack PA in LOS Mode
based on HH PA mode

MAN	PACK			HANI	DHELD	
MODE ANT			МО	DE	AN	IT
SAT 🔘	SAT	1	SAT		SAT	2 2 2
WB 🔘	WB (1	WB		WB	3 3 3
LOS 🔵	LOS	1	LOS	\circ	LOS	2 3

MANPACK							
MODE		ANT		MODE		AN	T
SAT		SAT	1	SAT	0	SAT	3 3
WB		WB	1	WB		WB	2 2 2
LOS	Ŏ	LOS	1	LOS	Ō	LOS	3 2

	MAN	PACK			HAN	DHELD	
MODE		ANT		MODE		ANT	
SAT	0	SAT	1	SAT	0	SAT	3 3
WB		WB	1	WB		WB	2 2 2
LOS	Ō	LOS	1	LOS		LOS	2 3

MAN	IPACK		HAN		
MODE	ANT	N	/IODE	AN	IT
SAT 🔘	SAT 🔵 1	SA	Т	SAT	3 3
WB 🔘	WB 🛑 1	W	3	WB	2 2 2
LOS 🔵	LOS 🔵 1	LO	s 🔘	LOS	3 2

MAN	IPACK					
MODE	ANT		MODE		AN	NT .
SAT 🔵	SAT	1	SAT	0	SAT	3 3
WB O	WB	1	WB	Ŏ	WB	3 0 2
LOS 🔵	LOS	1	LOS		LOS	2 2 2

MANPACK					HANI	DHELD	
MODE		ANT		MODE		ANT	
SAT	0	SAT	1	SAT	0	SAT	3 3
WB		WB	1	WB	\bigcirc	WB	2 3
LOS	O	LOS	1	LOS		LOS	2 2

N	1ANPACK			HANI		
MODE	A	ANT		MODE		NT
SAT (SAT	1	SAT	0	SAT	3 3
WB () WB	1	WB	\circ	WB	2 3
LOS	LOS	1	LOS		LOS	2 2 2

Notes:

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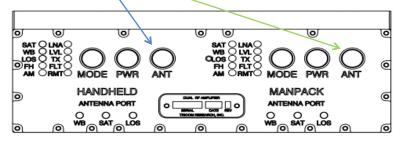
Purple 3

1	Black 1	1 is the default antenna position when MODE is changed
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- 3 Black 3 3 is the Secondary Handheld position of available antennas by pressing the Handheld antenna button.
- 4 Green 1 1 First press of Manpack antenna button sets antennas to Green 1 position as shown in chart above.
- 5 Green 2 2 is the default antenna position on the Handheld Antenna without pressing the Handheld antenna button.
- 6 Green 3 3 is the Secondary Handheld position of available antennas by pressing the Handheld antenna button.
- 7 Purple 1 1 Second press of Manpack antenna button sets antennas to Purple 1 position as shown in chart above.
- 8 Purple 2 2 is the default antenna position on the Handheld Antenna without pressing the Handheld antenna button.

a is the Secondary Handheld position of available antennas by pressing the Handheld antenna button.

10 Third press of the Manpack antenna button returns to the default Black position.



Default antenna connections with BOTH Manpack and HH PAs powered OFF

1	MANPACK					HANDHELD				
	MODE	E ANT		MODE		AN [*]	Т			
1	SAT (\otimes	SAT		SAT	\otimes	SAT	0		
	WB (\otimes	WB		WB	\otimes	WB	\circ		
	LOS (\otimes	LOS	Ō	LOS	\otimes	LOS			

Antenna connections with Manpack-ON & Handheld-OFF

Refer to possible combinations per chart
Note that Mode wil NOT be indicated on the Handheld PA.

Antenna connections with Manpack-OFF & HandHeld -ON

MANPACK					HANDHELD						
MOI	DE	ANT			MO	DE	ANT				
SAT	\otimes	SAT			SAT	\otimes	SAT	0		0	
WB	\otimes	WB			WB	\otimes	WB	Ō	O		
LOS	\otimes	LOS			LOS	\otimes	LOS				

Notes:

- Black is the default position without pressing any antenna button.
- First press of any antenna button sets antennas to position as shown in chart above.
- Second press of any antenna button sets antennas to purple position as shown in chart above.

Green

- 4 Third press of any antenna button sets antennas to Orange position as shown in chart above.
- 5 Fourth press of the antenna button sets antennas back to the default Black position as shown in chart above.

Note that when the Manpack PA is OFF, the Manpack LOS and SAT connection paths are 30-512 MHz and that Manpack WB connection path is 30 MHz to 2.0 GHz. When the Handheld PA is OFF, the Handheld to LOS connection is 30 MHz to 2.0 GHz, otherwise the Handheld antenna connections are 30-512 MHz.