

MOBILE COMPONENT (MC)

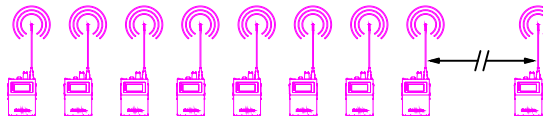
Multiple MOBILE COMPONENTS can receive the same IEM/IFB signal

RF CARRIER (RFC)

Optimized for:
Double Channel Capacity
Licensed Spectrum in 1G4

DIGITAL ANTENNA DIRECTIONAL (DAD)

1, 2, 3 or 4 DADs per Base Station
1x DAD (1G4) on RF CARRIER #1
1x DAD (1G4) on RF CARRIER #2



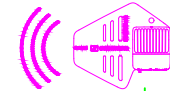
Up to 128 Mobile Components can be paired on RF Carrier #1

RF Carrier #1

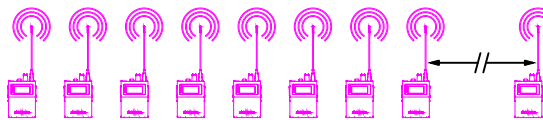


1.350 GHz 1.525 GHz

RF Carrier #1



Digital Antenna A
DAD (1G4)



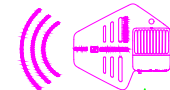
Up to 128 Mobile Components can be paired on RF Carrier #2

RF Carrier #2



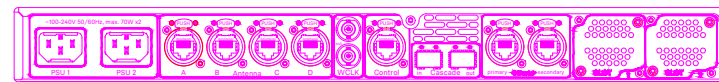
1.350 GHz 1.525 GHz

RF Carrier #2



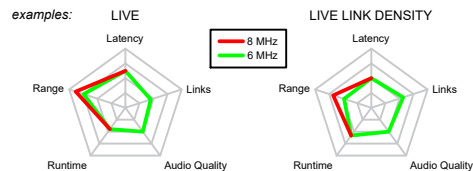
Digital Antenna B
DAD (1G4)

SPECTERA BASE STATION



Audio Link Modes:

- Up to 11 different modes for MICs and IEMs currently
- Independent for each Link
- Impacting the RF Channel Capacity



Clocking options:

- Individually selectable for each audio interface
- The Dante® Audio Network is set with Dante® Controller software

	MADI 1 Output	MADI 2 Output	Word clock BNC Output
Leader 48 kHz	✓	✓	✓
Leader 96 kHz	✓	✓	✓
Follow MADI 1 Input	✓	✓	✓
Follow MADI 2 Input	✓	✓	✓
Follow Word clock BNC Input	✓	✓	✓
Follow Audio Network (Dante®)	✓	✓	✓

Technical Application Engineering (TAE) System Drawings	
Drawing name SPECTERA Systems: N° 4	Rev. 1.0
Description 2x RFC, 1x DAD (1G4) per RFC	

Mobile Components

- SEK (UHF): 470 - 698 MHz
 - SEK (1G4): 1.350 - 1.525 GHz
- MICs and IEMs at the same time on any SEKs
- Audio Input: 3-pin audio socket, Mic & Instr.
- Audio Output: 3.5 mm stereo jack
- RF Power Output: Up to 50 mW
- Power supply: Single BA 70 battery pack
- Operating time: depending on selected Audio Link Mode

Antenna, RF Carrier & Cables

- DAD (UHF): 470 - 698 MHz
 - DAD (1G4): 1.350 - 1.525 GHz
- Both models can coexist on a Base Station
- Modes: - Single RF Carrier, 6 or 8 MHz
- Frequency Scan, Full Band
- Pairing Capacity: 128 Mobile Components per RF Carrier
- RF Power Output : Up to 100 mW
- Network: Proprietary, Layer 1, Home runs
- Power Input: POE (from Base Station)
- Connector: RJ45, etherCON compatible
- Cable: CAT 5e UTP / STP or better
- Optical: with layer 1 media converters

Base Station & Audio Interfaces

- INPUT Capacity (IEM/IFB)
Up to 32 Audio Links (16 stereo) can be assigned
- OUTPUT Capacity (MIC or Instrument)
Up to 32 Audio Links can be assigned
- SAMPLE RATE
48 or 96 kHz with SRC for each interface
Dante®, Primary & Secondary or Shared
Optional slots: 2 for MADI, BNC and Optical
Digital Antenna Ports: 4 on Base Station
RF Carrier: Up to 2 per Base Station

→ Please contact your local Sennheiser representative for SPECTERA availability in your market

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