

## 200 kHz-BB

Power rating: 250 W<sub>rms</sub> @ 2% duty cycle  
 28mm (1.1") BT  
 Active Area: 6.1cm<sup>2</sup>  
 Layered Plastic Epoxy Window

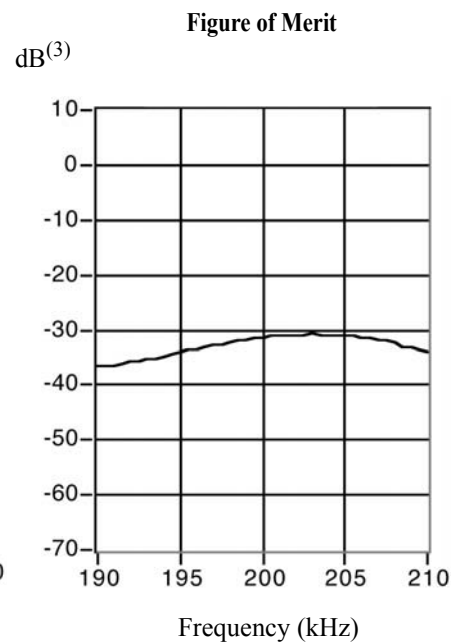
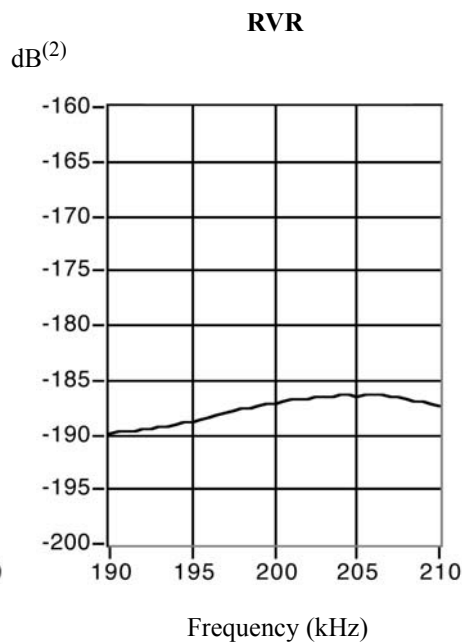
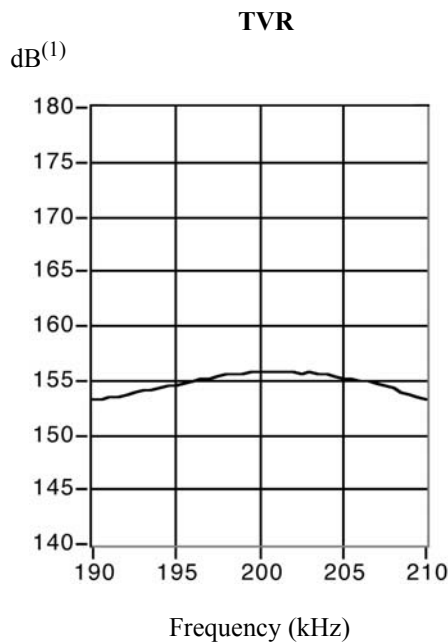
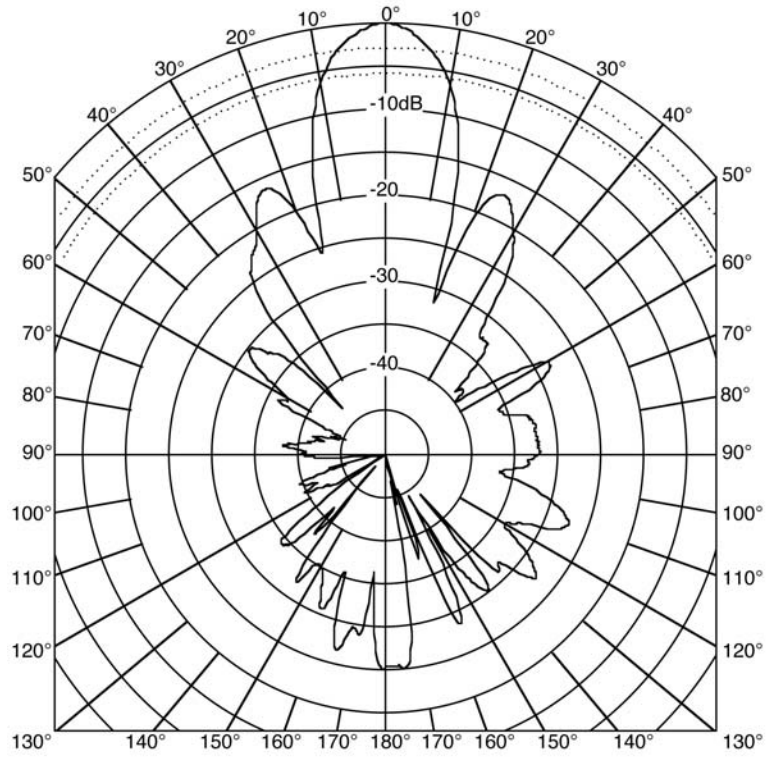
Beamwidth:  
 -3dB: 14°  
 -6dB: 19°  
 -10dB: 24°

Directivity Index: 21.6  
 Frequency Tolerance: ±4kHz  
 Peak TVR<sup>(1)</sup>, nominal: 156dB  
 Peak TVR<sup>(1)</sup>, minimum: 154dB  
 Q (transmit): 10  
 Peak Source Level<sup>(4)</sup>: 212dB  
 Peak RVR<sup>(2)</sup>, nominal: -186dB  
 Peak Figure of Merit<sup>(3)</sup>: -31dB

Notes:

- (1) dB re 1 μPa per volt at 1 meter
- (2) dB re 1 volt per μPa
- (3) sum of transmitting voltage response and receiving voltage response
- (4) Nominal peak TVR, rated power, and no cavitation

Transmit Radiation Pattern



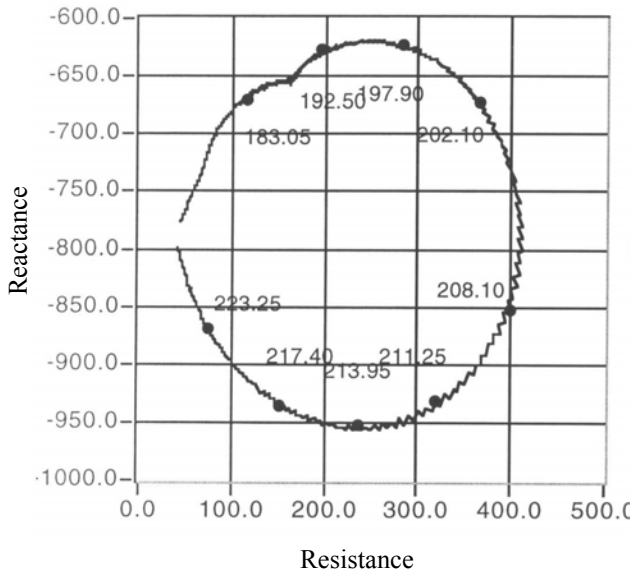
# Technical Data Catalog

## 200 kHz-BB

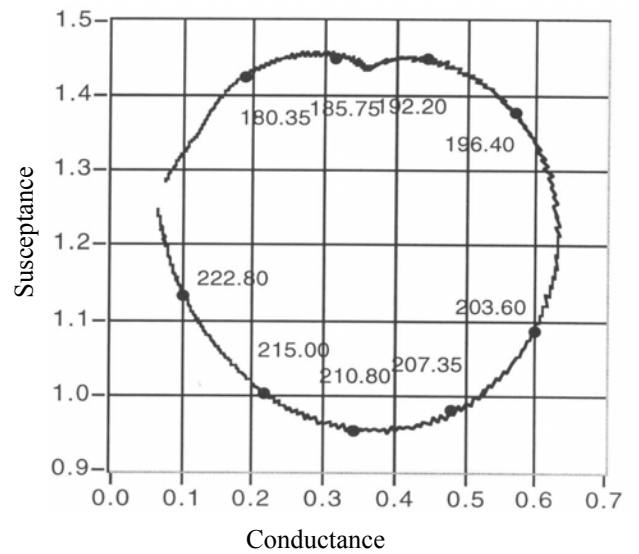
28mm (1.1") BT  
 Cable Type: C2  
 Cable Length: 7.6m (25')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	1580 ohms-20%, +40%	1585 ohms-20%, +40%
Parallel: Cp. (nominal)	990pF	990pF
Series [R - jX] (nominal)	325 - 640 ohms	315 - j635 ohms
1 kHz Capacitance	1060±20%	1070±20%

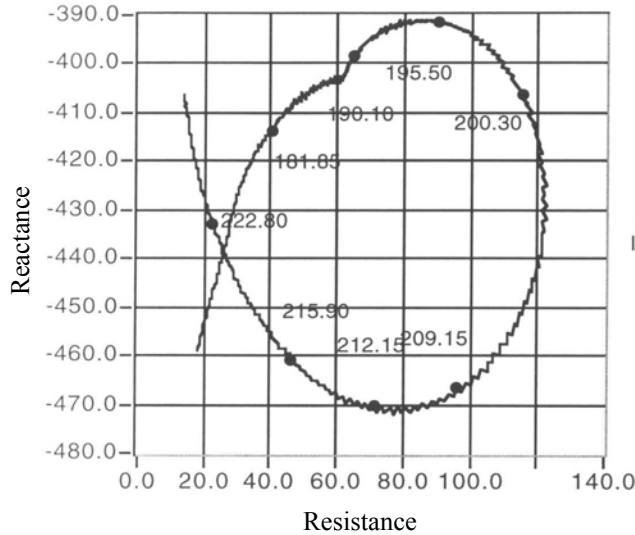
**Unbalanced Impedance**



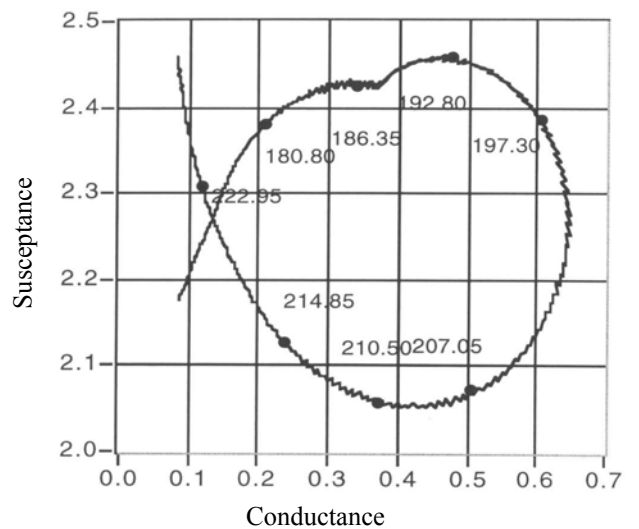
**Unbalanced Admittance**



**Balanced Impedance**



**Balanced Admittance**



## 200 kHz-BB

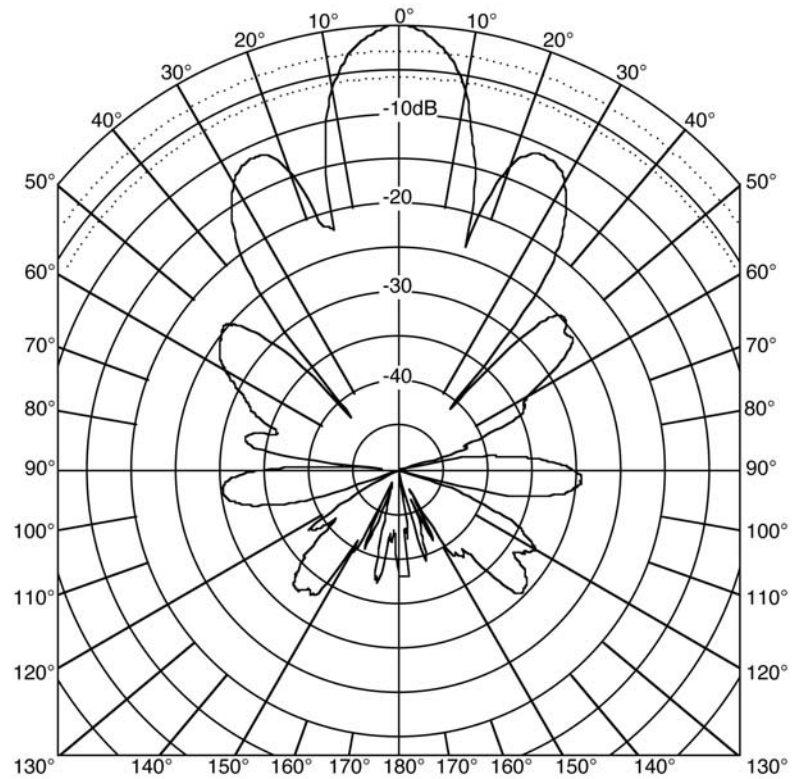
Power rating: 250 Wrms @ 2% duty cycle  
 28mm (1.1") BT  
 Active Area: 6.1cm<sup>2</sup>  
 Layered Plastic Urethane Window

Beamwidth:  
 -3dB: 14°  
 -6dB: 19°  
 -10dB: 24°

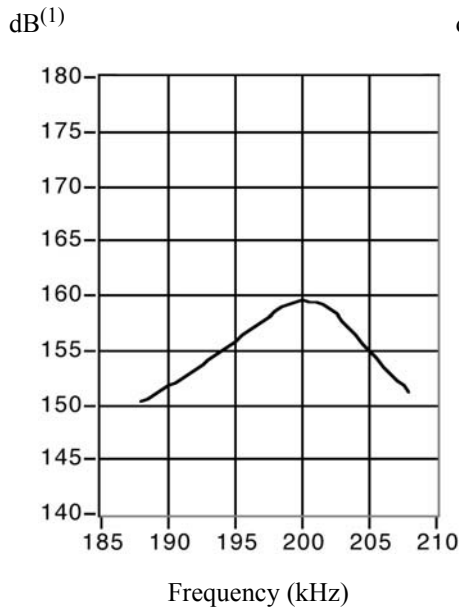
Directivity Index: 21.6  
 Frequency Tolerance: ±4kHz  
 Peak TVR<sup>(1)</sup>, nominal: 161dB  
 Peak TVR<sup>(1)</sup>, minimum: 159dB  
 Q (transmit): 41  
 Peak Source Level<sup>(4)</sup>: 212dB  
 Peak RVR<sup>(2)</sup>, nominal: -187dB  
 Peak Figure of Merit<sup>(3)</sup>: -29dB

Notes:  
 (1) dB re 1 μPa per volt at 1 meter  
 (2) dB re 1 volt per μPa  
 (3) sum of transmitting voltage response and receiving voltage response  
 (4) Nominal peak TVR, rated power, and no cavitation

Transmit Radiation Pattern



TVR



RVR

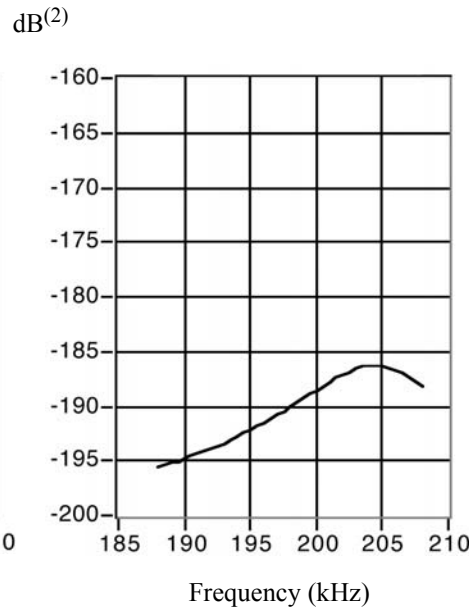
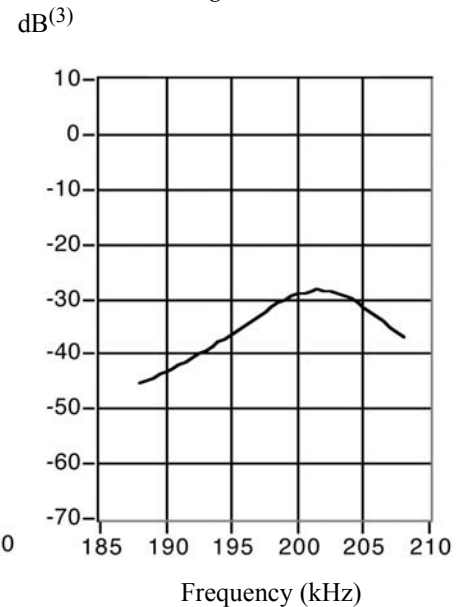


Figure of Merit



# Technical Data Catalog

## 200 kHz-BB

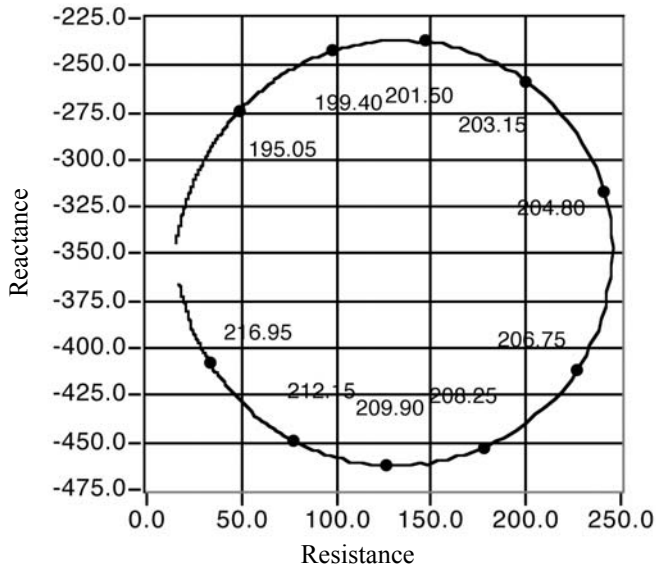
28mm (1.1") BT

Cable Type: C2  
Cable Length: 9.1m (30')

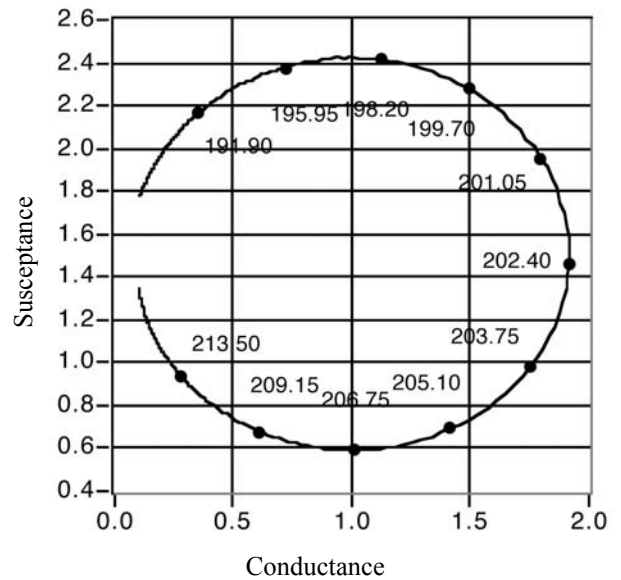
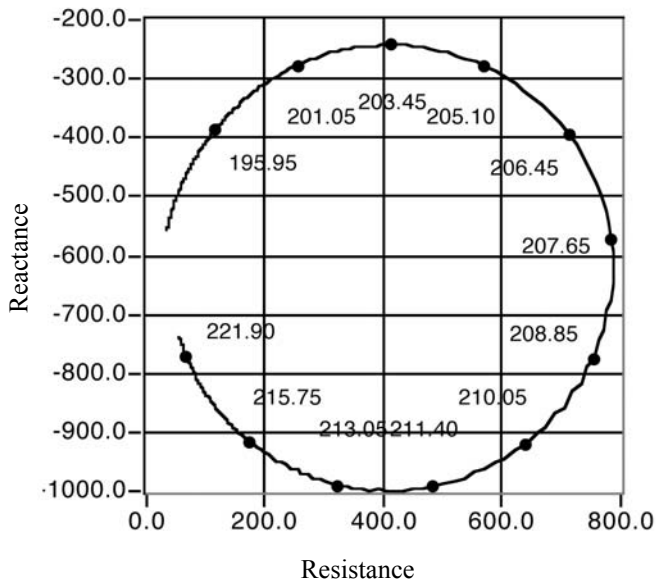
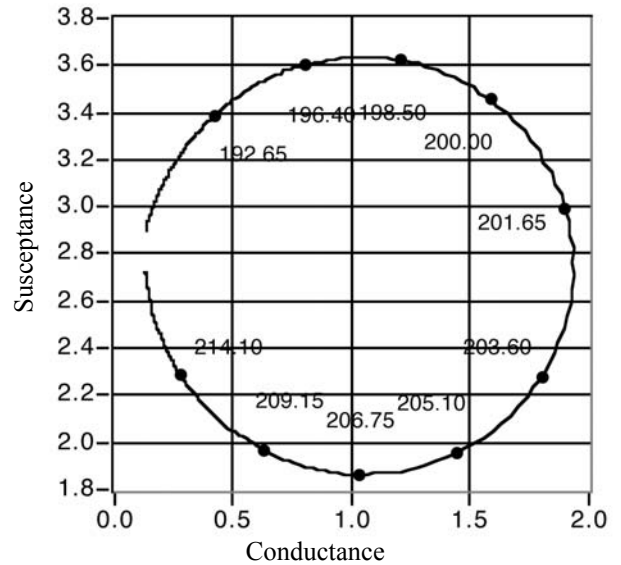
### Impedance Data

	Balanced	Unbalanced
Parallel: Rp.	405 ohms-20%, +40%	400 ohms-20%, +40%
Parallel: Cp. (nominal)	105pF	950pF
Series [R - jX] (nominal)	540 - j40 ohms	380 - j250 ohms
1 kHz Capacitance	1080±20%	1940±20%

Unbalanced Impedance



Unbalanced Admittance





## 200 kHz-BB

Power rating: 250 W<sub>rms</sub> @ 2% duty cycle  
 28mm (1.1") BT  
 Active Area: 6.1cm<sup>2</sup>  
 Urethane Window

Beamwidth:

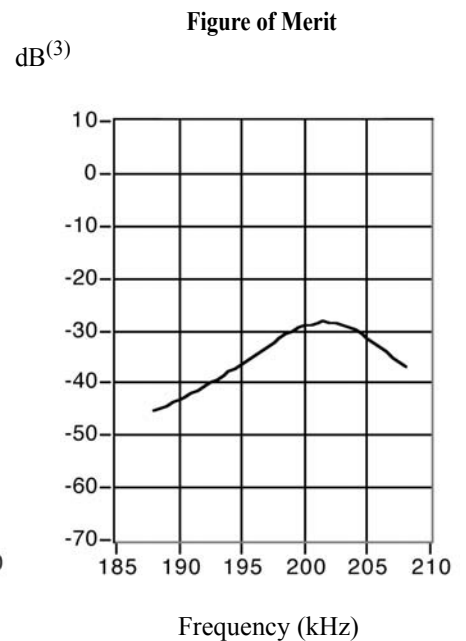
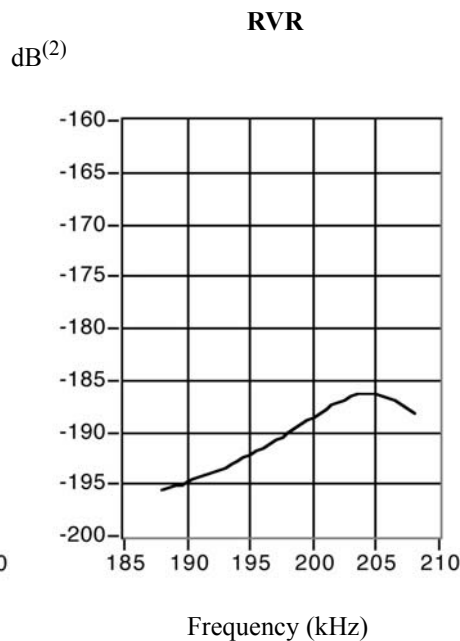
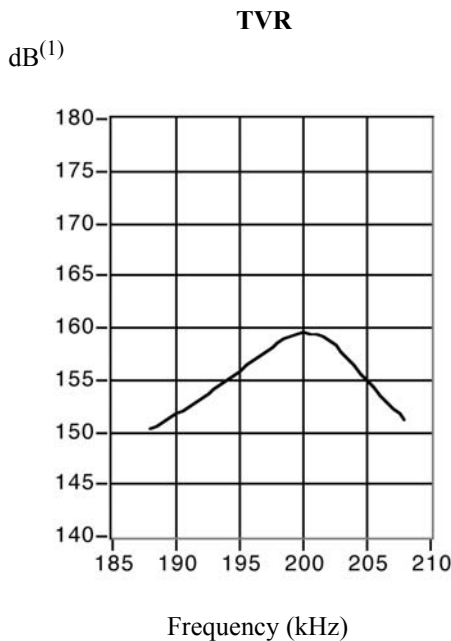
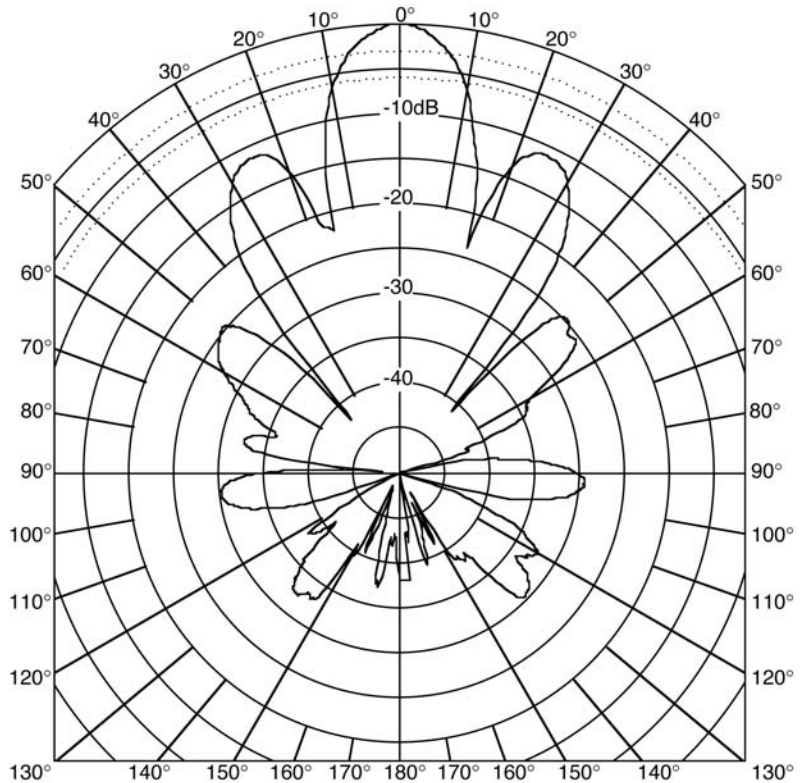
-3dB: 14°  
 -6dB: 19°  
 -10dB: 23°

Directivity Index: 21.6  
 Frequency Tolerance: ±4kHz  
 Peak TVR<sup>(1)</sup>, nominal: 159dB  
 Peak TVR<sup>(1)</sup>, minimum: 157dB  
 Q (transmit): 24  
 Peak Source Level<sup>(4)</sup>: 212dB  
 Peak RVR<sup>(2)</sup>, nominal: -187dB  
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Notes:

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Transmit Radiation Pattern

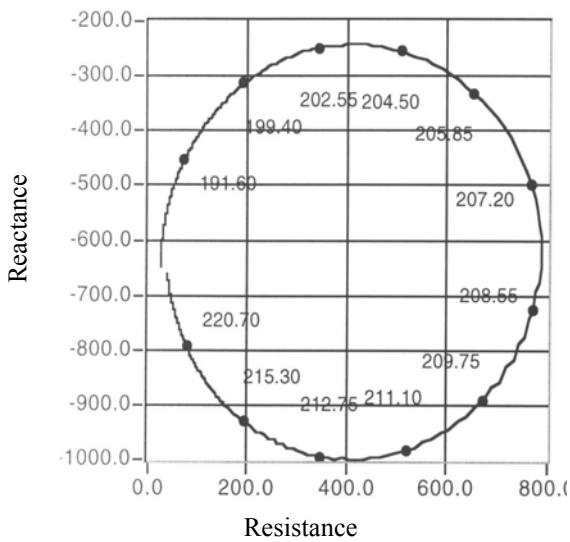


## 200 kHz-BB

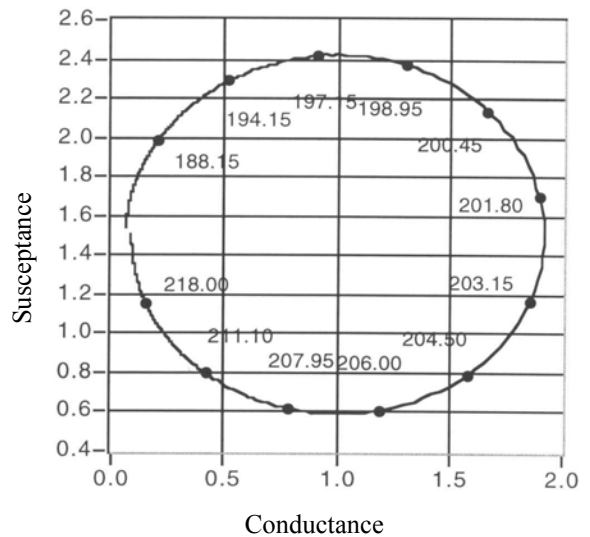
28mm (1.1") BT  
 Cable Type: C2  
 Cable Length: 9.1m (30')

Impedance Data		
	Balanced	Unbalanced
Parallel: Rp.	545 ohms-20%,+40%	525 ohms-20%,+40%
Parallel: Cp. (nominal)	1775pF	1680pF
Series [R - jX] (nominal)	210 - j300 ohms	300 - j250 ohms
1 kHz Capacitance	1300±20%	1300±20%

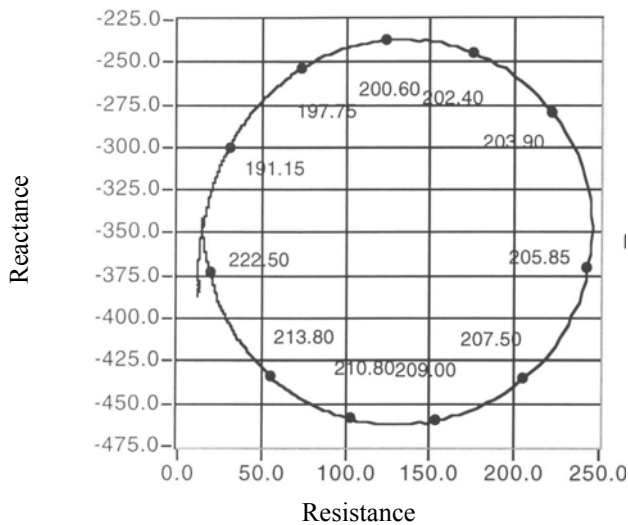
**Unbalanced Impedance**



**Unbalanced Admittance**



**Balanced Impedance**



**Balanced Admittance**

