İŞBU BELGE, ASLINDAN - FOTOKOPİ - FAX, METNİNDEN
TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR
EMRAH BÜKE YEMİNLİ MÜTERCİM

OTICON | **Real**

Teknik veri sayfası

miniRITE R

60 85 100 105

		Real 1	Real 2	Real 3
Konuşmayı Anlama	MoreSound Intelligence™ 2.0	Seviye 1	Seviye 2	Seviye 3
	- Ortam yapılandırması	5 Seçenek	5 Seçenek	3 Seçenek
	- Sanal Dış Kulak	3 Yapılandırma	1 Yapılandırma	1 Yapılandırma
	- Uzamsal Dengeleyici	100%	60%	60%
	- Nöral Gürültü Bastırma, Zor / Kolay	10 dB / 4 dB	6 dB / 2 dB	6 dB / 0 dB
	- Ses Güçlendirici	3 Yapılandırma	2 Yapılandırma	1 Yapılandırma
	- Wind & Handling Stabilizer	•	•	•
	MoreSound Amplifier™ 2.0	•	•	•
	- SuddenSound Stabilizer	6 Yapılandırma	5 Yapılandırma	4 Yapılandırma
	Feedback Önleme	MoreSound Optimizer™ ve Feedback kalkanı	MoreSound Optimizer™ ve Feedback kalkanı	MoreSound Optimizer™ ve Feedback kalkanı
	Spatial Sound™	4 Tahmin Edici	2 Tahmin Edici	2 Tahmin Edici
	Hafif Konuşma Yükseltici	•	•	•
	Frekans düşürme	Speech Rescue™	Speech Rescue™	Speech Rescue™
Ses Kalitesi	Temiz Dinamikler	•	•	-
	Daha İyi Kulak Önceliği	•	•	-
	Uygulama Bant Genişliği[1]	10 kHz	8 kHz	8 kHz
	Bas Artırma (ses iletiminde)	•	•	•
	Sinyal İşleme Kanalları	64	48	48
Kişiselleştirme ve Optimum Uygulama	Uygulama Bantları	24	20	18
	Çoklu Direksiyonalite Seçenekleri	•	•	•
	Adaptasyon Yönetimi	•	•	•
	Uygulama Formülleri	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5
Dünya'ya Bağlantı	Oticon Companion app	•	•	•
	Hands-free iletişim[2]	•	•	•
	Doğrudan akış[3]	•	•	•
	ConnectClip	•	•	•
	EduMic	•	•	•
	Remote Control 3.0	•	•	•
	TV Adapter 3.0	•	•	•
	Phone Adapter 2.0	•	•	•
	Tinnitus SoundSupport™	•	•	•
	CROS/BiCROS desteği	•	•	•

1) Uygulama sırasındaki kazanç ayarlamaları için erişilebilir bant genişliği
2) Hands-free iletişim, iOS 15.2 veya üstünü çalıştıran iPhone 11 veya üstü ve iOS 15.2 veya üstünü çalıştıran iPad ile mümkündür
3) iPhone, iPad, iPod touch ve Audio Streaming for Hearing Aids (ASHA) protokolüne sahip belirli Android cihazlardan

Çalışma ve şarj koşulları
Sıcaklık: +5°C ile +40°C (41°F ile 104°F)
Nem: %5 ile %93 bağıl nem, yoğuşmasız
Atmosfer basıncı: 700 hPa ile 1060 hPa

Saklama ve taşıma koşulları
Sıcaklık ve nem, taşıma ve depolama sürecinde aşağıdaki sınırları uzun süreler için aşmamalıdır.

Taşıma
Sıcaklığı: -20°C ile +60°C (-4°F ile 140°F)
Nem: %5 ile %93 bağıl nem, yoğuşmasız
Atmosfer basıncı: 700 hPa ile 1060 hPa

Saklama
Sıcaklığı: -20°C ile +30°C (-4°F ile 86°F)
Nem: %5 ile %93 bağıl nem, yoğuşmasız
Atmosfer basıncı: 700 hPa ile 1060 hPa

Oticon Real™ miniRITE R gizli bir tasarım sunar. Şarj edilebilir lityumiyon pille çalışır ve bir çift basma düğmesi ve telecoil özelliklerini sunar. Bluetooth® Low Energy teknolojisi sayesinde, Made for iPhone işitme cihazıdır ve iPhone, iPad, iPod touch ve belirli Android™ cihazlar için hands-free iletişimi ve doğrudan ses akışını destekler.

MoreSound Intelligence™, daha net ve daha belirgin kontrastlarla, bireysel seslerin daha net ve doğal bir temsilini oluşturur.

Oticon Real, ses sahnesi içindeki çevresel seslerin duyula bilirliğini optimize etmek için kullanılan yeni buluşlara güç sağlamak için daha hızlı dedektörler kullanan Polaris R™ platformu üzerinde inşa edilmiştir.

Genel özellikler:
- Dijital Programlanabilir
- Otomatik veya manuel ses kontrolü
- Maksimum Çıkış Kontrol Sistemi
- MPO-Maksimum Güç Çıkışı
- GC-Kazanç Kontrolü
- AGC-Otomatik kazanç kontrolü
- Gürültü azaltıcı
- Feedback yönetimi
- Çift mikrofonlu
- FM uyumlu (Telecoil ile)
- 4 Programlı

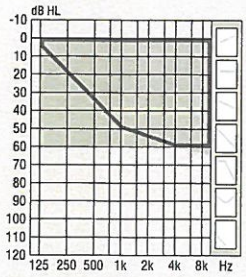
TwinLink NFMI + 2.4 GHz | Made for iPhone | iPad | iPod | android | IP68

Uyumluluk hakkında daha fazla bilgi için lütfen www.oticon.global/compatibility adresini ziyaret edin

oticon
life-changing technology

Oticon Real 1

miniRITE R 60

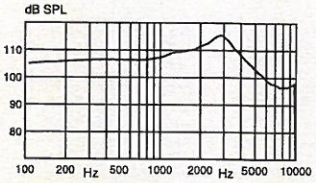
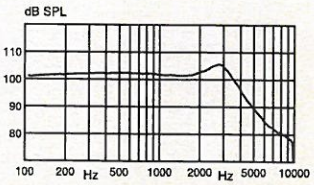
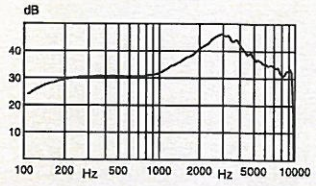
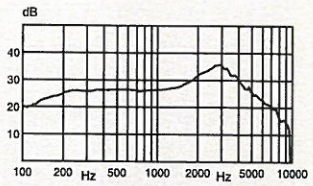
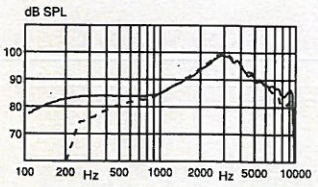
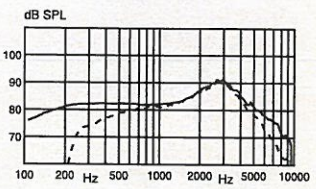


60

Kalıp, Bas ve Power kubbe

OpenBass kubbe

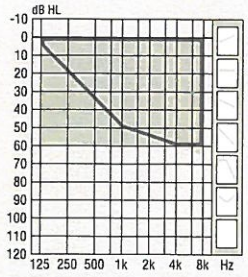
Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	2CC Coupler Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
		OSPL90 	OSPL90 
		Tam Kazanç 	Tam Kazanç 
		Frekans Yanıtı 	Frekans Yanıtı 
		Akustik giriş: 60 dB SPL Manyetik giriş: 31.6 mA/m	
OSPL90	Tepe (dB SPL)	116	106
	1600 Hz (dB SPL)	110	102
	HFA-OSPL90 (dB SPL)	110	103
Tam Kazanç[1]	Tepe (dB)	46	36
	1600 Hz (dB)	37	29
	HFA-FOG (dB)	38	30
Referans test kazancı (dB)		31	26
Frekans aralığı (Hz)		100-9600	100-9400
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	68	
	10 mA/m alanı (1600 Hz) (dB SPL)	88	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		83/83
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<3	<2
	1600 Hz (%)	<2	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	18	17
	Dir (dB SPL)	26	28
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Oticon Real 2 & 3

miniRITE R 60



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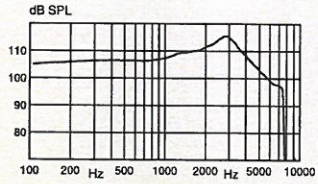
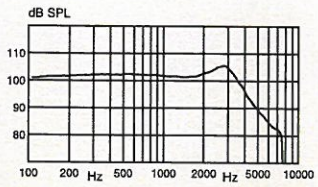
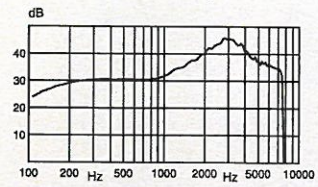
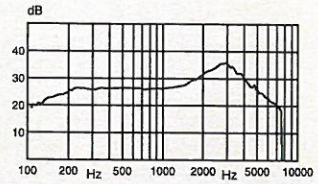
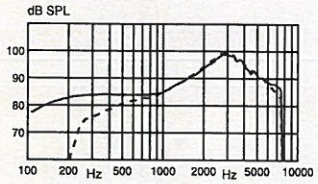
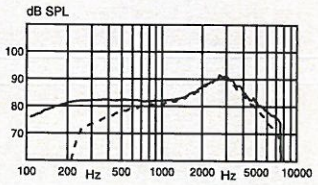
Kalıp, Bas ve Power kubbe

OpenBass kubbe

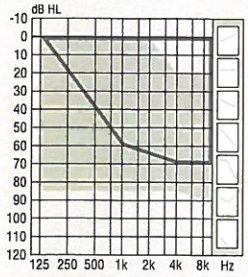
Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	2CC Coupler Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
		OSPL90 	OSPL90 
		Tam Kazanç 	Tam Kazanç 
		Frekans Yanıtı 	Frekans Yanıtı 
		Akustik giriş: 60 dB SPL Manyetik giriş: 31.6 mA/m	
OSPL90	Tepe (dB SPL)	116	106
	1600 Hz (dB SPL)	110	102
	HFA-OSPL90 (dB SPL)	110	103
Tam Kazanç[1]	Tepe (dB)	46	36
	1600 Hz (dB)	37	29
	HFA-FOG (dB)	38	30
Referans test kazancı (dB)		31	26
Frekans aralığı (Hz)		100-7500	100-7500
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	68	
	10 mA/m alanı (1600 Hz) (dB SPL)	88	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		83/83
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<3	<2
	1600 Hz (%)	<2	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	19	17
	Dir (dB SPL)	26	29
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Oticon Real 1

miniRITE R 85



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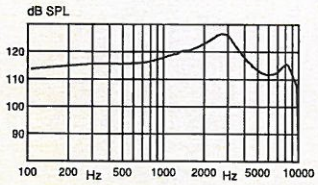
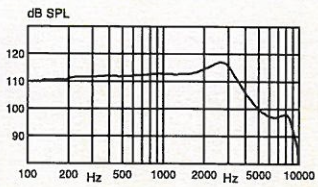
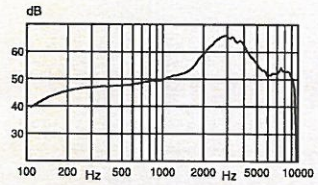
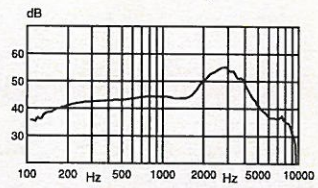
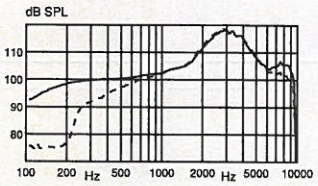
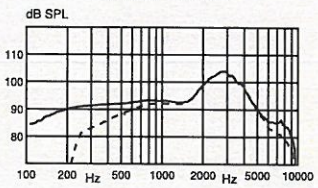
Kalıp, Bas ve Power kubbe

OpenBass kubbe

Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	2CC Coupler Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
		OSPL90 	OSPL90 
		Tam Kazanç 	Tam Kazanç 
		Frekans Yanıtı  Akustik giriş: 60 dB SPL Manyetik giriş: 31.6 mA/m	Frekans Yanıtı 
OSPL90	Tepe (dB SPL)	127	117
	1600 Hz (dB SPL)	121	113
	HFA-OSPL90 (dB SPL)	122	114
Tam Kazanç[1]	Tepe (dB)	66	55
	1600 Hz (dB)	53	45
	HFA-FOG (dB)	56	48
Referans test kazancı (dB)		46	37
Frekans aralığı (Hz)		100-9500	100-8900
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	84	
	10 mA/m alanı (1600 Hz) (dB SPL)	104	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		94/94
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<4	<2
	1600 Hz (%)	<5	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	21	18
	Dir (dB SPL)	29	28
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
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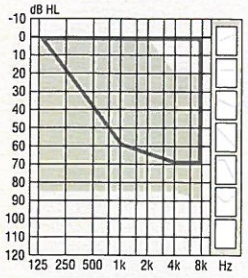
Oticon Real 2 & 3

miniRITE R 85



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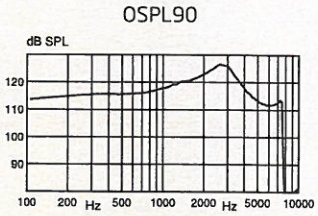
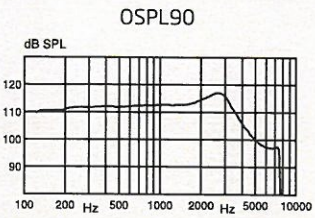
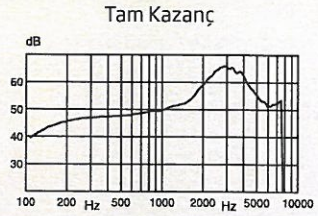
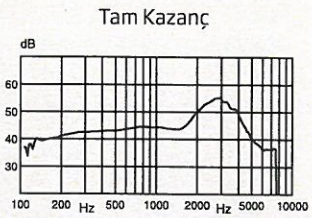
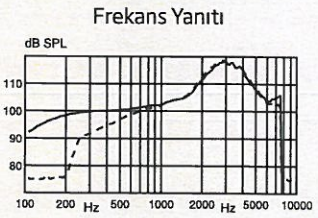
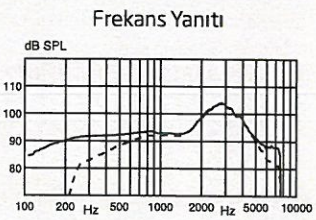
Kalıp, Bas ve Power kubbe

OpenBass kubbe

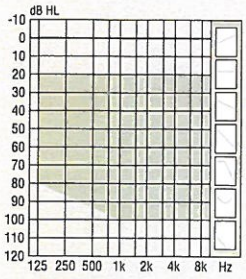
Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	**2CC Coupler** Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
OSPL90			
Tam Kazanç[1]			
Frekans Yanıtı			
		——— Akustik giriş: 60 dB SPL - - - - Manyetik giriş: 31.6 mA/m	
OSPL90	Tepe (dB SPL)	127	117
	1600 Hz (dB SPL)	121	113
	HFA-OSPL90 (dB SPL)	122	114
Tam Kazanç[1]	Tepe (dB)	66	55
	1600 Hz (dB)	53	45
	HFA-FOG (dB)	56	48
Referans test kazancı (dB)		46	37
Frekans aralığı (Hz)		100-7500	100-7500
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	84	
	10 mA/m alanı (1600 Hz) (dB SPL)	104	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		94/94
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<4	<2
	1600 Hz (%)	<5	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	22	18
	Dir (dB SPL)	29	27
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Oticon Real 1

miniRITE R 100



100

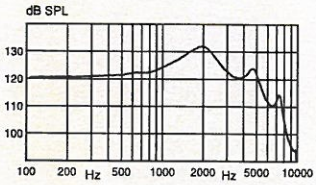
Power fl ex kalıp, Bass ve Power kubbe

Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

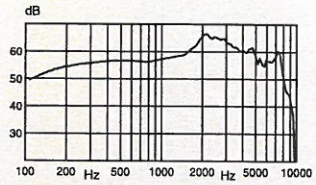
İşitme cihazı dağıtıcısına uyarı
İşitme cihazının maksimum çıkış kapasitesi 132 dB SPL'yi aşabilir (IEC711). İşitme cihazı kullanıcısının geri kalan işitme yeteneğine zarar verme riski bulunduğundan dolayı ürün seçimi ve uygulama sırasında büyük bir özen gösterilmelidir.

Kulak Simülatörü
Şuna göre ölçülmüştür
IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010

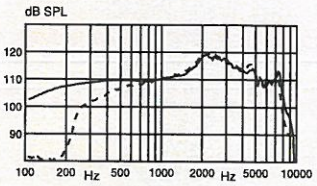
OSPL90



Tam Kazanç

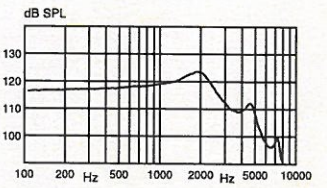


Frekans Yanıtı

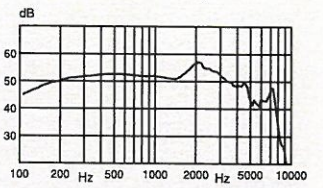


2CC Coupler
Şuna göre ölçülmüştür
ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006

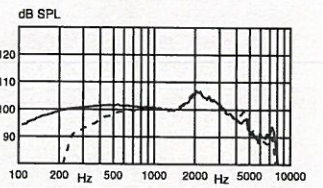
OSPL90



Tam Kazanç



Frekans Yanıtı



——— Akustik giriş: 60 dB SPL
- - - - Manyetik giriş: 31.6 mA/m

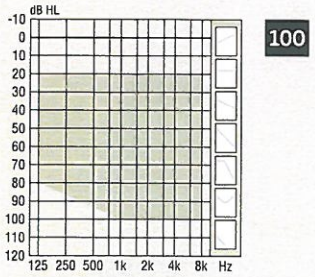
		Kulak Simülatörü	2CC Coupler
OSPL90	Tepe (dB SPL)	132	124
	1600 Hz (dB SPL)	130	122
	HFA-OSPL90 (dB SPL)	127	120
Tam Kazanç[1]	Tepe (dB)	66	57
	1600 Hz (dB)	60	52
	HFA-FOG (dB)	61	53
Referans test kazancı (dB)		53	42
Frekans aralığı (Hz)		100-8900	100-7500
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	91	
	10 mA/m alanı (1600 Hz) (dB SPL)	111	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		100/100
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<9	<2
	800 Hz (%)	<6	<2
	1600 Hz (%)	<3	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	17	16
	Dir (dB SPL)	26	28
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

İSBU BELGE, ASLINDAN - FOTOKOPİ - FAX, METNİNDEN
TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR

Oticon Real 2 & 3

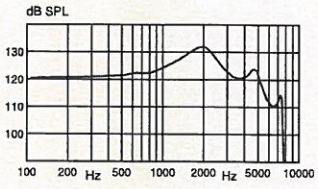
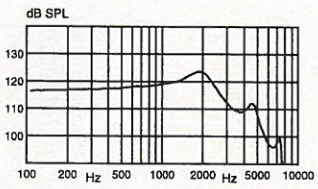
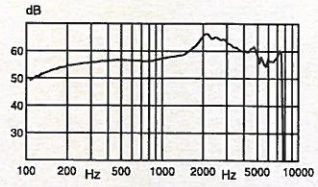
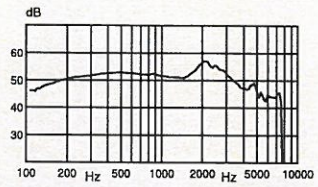
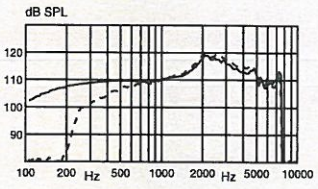
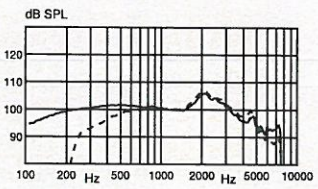
miniRITE R 100



Power fl ex kalıp, Bass ve Power kubbe

Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

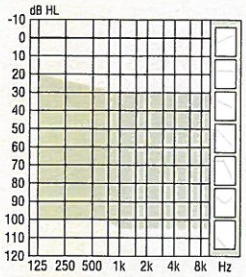
İşitme cihazı dağıtıcısına uyarı
İşitme cihazının maksimum çıkış kapasitesi 132 dB SPL'yi aşabilir (IEC711). İşitme cihazı kullanıcısının geri kalan işitme yeteneğine zarar verme riski bulunduğundan dolayı ürün seçimi ve uygulama sırasında büyük bir özen gösterilmelidir.

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	**2CC Coupler** Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
		OSPL90 	OSPL90 
		Tam Kazanç 	Tam Kazanç 
		Frekans Yanıtı  Akustik giriş: 60 dB SPL Manyetik giriş: 31.6 mA/m	Frekans Yanıtı 
OSPL90	Tepe (dB SPL)	132	124
	1600 Hz (dB SPL)	130	122
	HFA-OSPL90 (dB SPL)	127	120
Tam Kazanç[1]	Tepe (dB)	66	57
	1600 Hz (dB)	60	52
	HFA-FOG (dB)	61	53
Referans test kazancı (dB)		53	42
Frekans aralığı (Hz)		100-7500	100-7500
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	91	
	10 mA/m alanı (1600 Hz) (dB SPL)	111	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		100/100
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<9	<2
	800 Hz (%)	<6	<2
	1600 Hz (%)	<3	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	17	17
	Dir (dB SPL)	26	29
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Oticon Real 1

miniRITE R 105



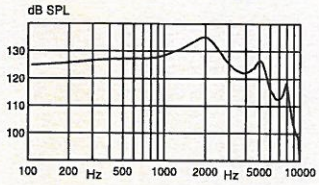
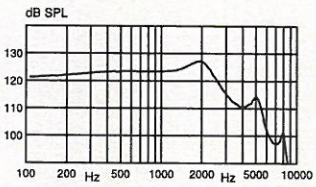
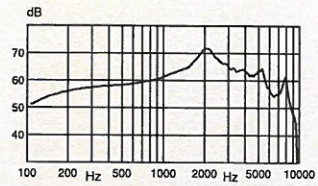
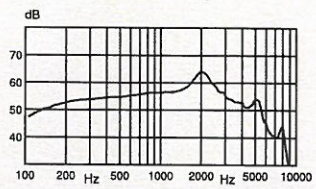
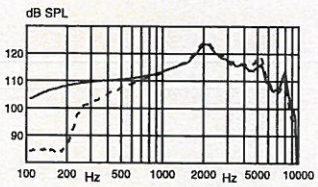
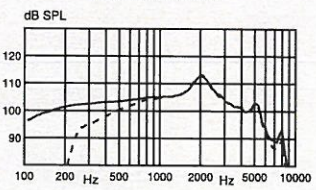
105

Power flex kalıp

Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

İşitme cihazı dağıtıcısına uyarı
İşitme cihazının maksimum çıkış kapasitesi 132 dB SPL'yi aşabilir (IEC711). İşitme cihazı kullanıcısının geri kalan işitme yeteneğine zarar verme riski bulunduğundan dolayı ürün seçimi ve uygulama sırasında büyük bir özen gösterilmelidir.

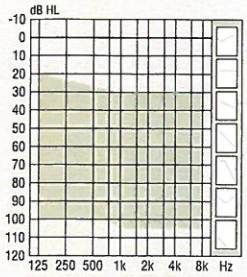
———	Akustik giriş: 60 dB SPL
- - - -	Manyetik giriş: 31.6 mA/m

		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	**2CC Coupler** Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
		OSPL90 	OSPL90 
		Tam Kazanç 	Tam Kazanç 
		Frekans Yanıtı 	Frekans Yanıtı 
OSPL90	Tepe (dB SPL)	135	127
	1600 Hz (dB SPL)	133	126
	HFA-OSPL90 (dB SPL)	131	123
Tam Kazanç[1]	Tepe (dB)	72	64
	1600 Hz (dB)	66	59
	HFA-FOG (dB)	65	58
Referans test kazancı (dB)		58	47
Frekans aralığı (Hz)		100-9100	100-7900
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	96	
	10 mA/m alanı (1600 Hz) (dB SPL)	116	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		105/105
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<2	<2
	1600 Hz (%)	<4	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	16	16
	Dir (dB SPL)	25	28
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Oticon Real 2 & 3

miniRITE R 105



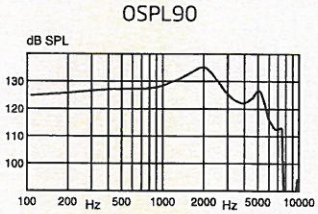
105

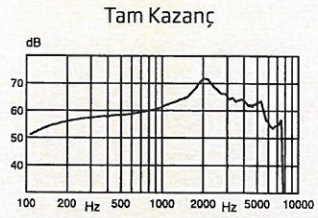
Power flex kalıp

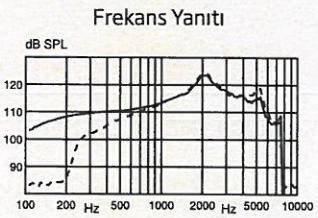
Teknik bilgi
Aksi belirtilmediği sürece çok yönlü mod kullanılmıştır.

İşitme cihazı dağıtıcısına uyarı
İşitme cihazının maksimum çıkış kapasitesi 132 dB SPL'yi aşabilir (IEC711). İşitme cihazı kullanıcısının geri kalan işitme yeteneğine zarar verme riski bulunduğundan dolayı ürün seçimi ve uygulama sırasında büyük bir özen gösterilmelidir.

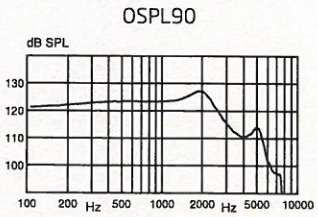
		Kulak Simülatörü Şuna göre ölçülmüştür IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV ve IEC 60318-4:2010	**2CC Coupler** Şuna göre ölçülmüştür ANSI S3.22-2014, IEC 60118-0:2015 ve IEC 60318-5:2006
OSPL90	Tepe (dB SPL)	135	127
	1600 Hz (dB SPL)	133	126
	HFA-OSPL90 (dB SPL)	131	123
Tam Kazanç[1]	Tepe (dB)	72	64
	1600 Hz (dB)	66	59
	HFA-FOG (dB)	65	58
Referans test kazancı (dB)		58	47
Frekans aralığı (Hz)		100-7500	100-7500
Telecoil çıkışı	1 mA/m alanı (1600 Hz) (dB SPL)	96	
	10 mA/m alanı (1600 Hz) (dB SPL)	116	
	HFA-SOL/SAĞ AYRIMI (dB SPL)		104/104
Toplam harmonik bozulma (Giriş 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<2	<2
	1600 Hz (%)	<4	<2
Eşdeğer gürültü giriş seviyesi	Omni (dB SPL)	16	16
	Dir (dB SPL)	25	28
Pil		Lityum-iyon	Lityum-iyon
Beklenen çalışma süresi, saat[2]			

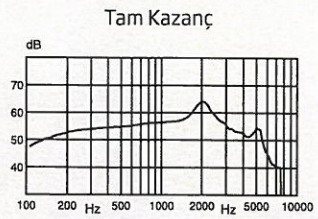


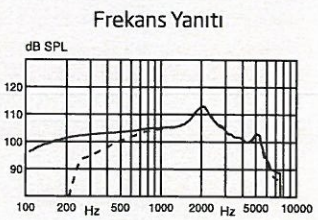




Akustik giriş: 60 dB SPL
Manyetik giriş: 31.6 mA/m







1) İşitme cihazının kazanç kontrolü tam ayarı eksi 20 dB'ye getirilmişken, 70 dB SPL girişi ile ölçülmüştür. Bu, ör. IEC 60118-0+A1:1994'ten, geri besleme etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.
2) Şarj edilebilir pil için çalışma süresi kullanım şekline, aktif özelliklere, işitme kaybına, ses ortamına, pil durumuna ve kablosuz bağlantı kullanımına bağlıdır.

Notlar

İŞBU BELGE, ASLINDAN - FOTOKOPİ - FAX, METNİNDEN
TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR
EMRAH BÜKE YEMİŞLİ MÜTERCİM

Notlar

İŞBU BELGE, ASLINDAN FOTOKOPİ - FAX. METNİNDEN
TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR
EMRAH BÜKE YEMİNLİ MÜTERCİM

Genel Merkez
Oticon A/S
Kongebakken 9
DK-2765 Smørum
Danimarka

SBO Hearing A/S
Kongebakken 9
DK-2765 Smørum
Danimarka

262668TR/2022.10.18/v1

OTICON | Real

Technical data sheet

miniRITE R

60 85 100 105

		Real 1	Real 2	Real 3
Speech understanding	MoreSound Intelligence™ 2.0	Level 1	Level 2	Level 3
	- Environment configuration	5 options	5 options	3 options
	- Virtual Outer Ear	3 configurations	1 configuration	1 configuration
	- Spatial Balancer	100%	60%	60%
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 2 dB	6 dB / 0 dB
	- Sound Enhancer	3 configurations	2 configurations	1 configuration
	- Wind & Handling Stabilizer	•	•	•
	MoreSound Amplifier™ 2.0	•	•	•
	- SuddenSound Stabilizer	6 configurations	5 configurations	4 configurations
	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
	Spatial Sound™	4 Estimators	2 Estimators	2 Estimators
	Soft Speech Booster	•	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™	Speech Rescue™
Sound quality	Clear Dynamics	•	•	-
	Better-Ear Priority	•	•	-
	Fitting Bandwidth[1]	10 kHz	8 kHz	8 kHz
	Bass Boost (streaming)	•	•	•
	Processing Channels	64	48	48
Personalisation & Optimising fitting	Fitting Bands	24	20	18
	Multiple Directionality options	•	•	•
	Adaptation Management	•	•	•
	Fitting Formulas	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5
Connecting to the world	Oticon Companion app	•	•	•
	Hands-free communication[2]	•	•	•
	Direct streaming[3]	•	•	•
	ConnectClip	•	•	•
	EduMic	•	•	•
	Remote Control 3.0	•	•	•
	TV Adapter 3.0	•	•	•
	Phone Adapter 2.0	•	•	•
	Tinnitus SoundSupport™	•	•	•
	CROS/BiCROS support	•	•	•

1) Bandwidth accessible for gain adjustments during fitting
2) Hands-free communication is available with iPhone 11 or later running iOS 15.2 or later, and iPad running iPadOS 15.2 or later
3) From iPhone, iPad, iPod touch, and selected Android devices with the Audio Streaming for Hearing Aids (ASHA) protocol

Operating and charging conditions
Temperature: +5°C to +40°C (41°F to 104°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.

Transport
Temperature: -20°C to +60°C (-4°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage
Temperature: -20°C to +30°C (-4°F to 86°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Oticon Real™ miniRITE R offers a discreet design. It is powered by a rechargeable lithium-ion battery and features telecoil and a double push-button. Based on Bluetooth® Low Energy technology, it is a Made for iPhone hearing aid and supports hands-free communication and direct streaming for iPhone, iPad, iPod touch and selected Android™ devices.

MoreSound Intelligence™ creates a more precise and natural representation of individual sounds with clearer and more distinct contrasts providing access to all relevant sounds.

Oticon Real is built on the Polaris R™ platform, which utilises faster detectors for powering new innovations used to optimise the audibility of the environmental sounds in the sound scene.

General features
- Digital Programmable
- Automatic or Manual Volume Control
- Maximum Output Control System
- MPO-Maximum Power Output
- GC-Gain Control
- AGC-Automatic Gain Control
- Noise Reduction
- Feedback Management
- Dual Microphone
- FM Compatible (with Telecoil)
- 4 Programs

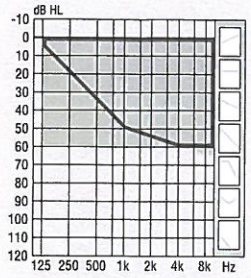
TwinLink NFMI + 2.4 GHz | Made for iPhone | iPad | iPod | Works with android | IP68

For information on compatibility, please visit www.oticon.global/compatibility

oticon life-changing technology

Oticon Real 1

miniRITE R 60

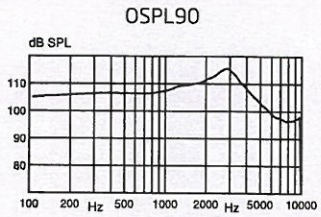
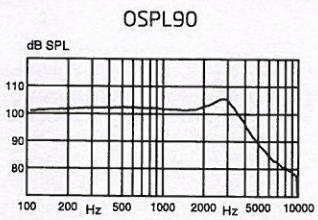
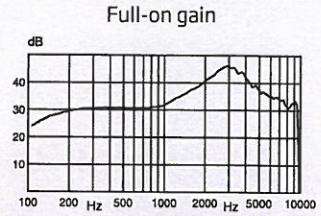
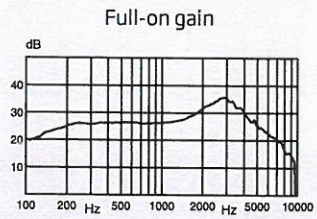
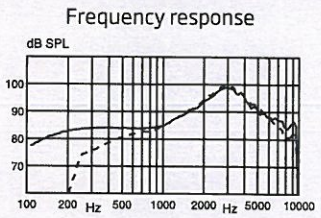
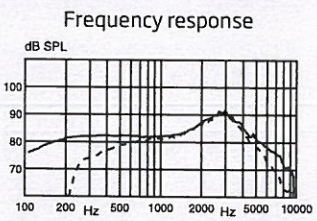


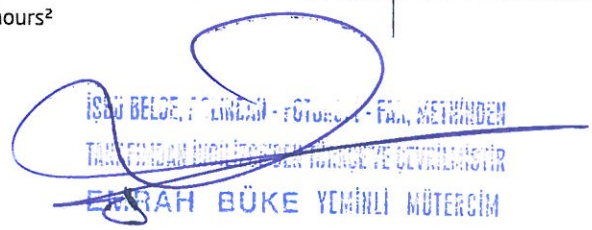
60

Mould, Bass & Power dome

OpenBass dome

Technical information
Omnidirectional mode is used unless otherwise stated.

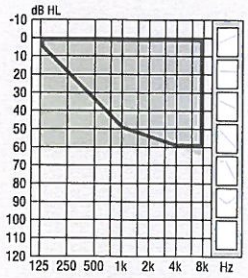
		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90			
Full-on gain			
Frequency response			
	Peak (dB SPL)	116	106
OSPL90	1600 Hz (dB SPL)	110	102
	HFA-OSPL90 (dB SPL)	110	103
	Peak (dB)	46	36
Full-on gain[1]	1600 Hz (dB)	37	29
	HFA-FOG (dB)	38	30
Reference test gain (dB)		31	26
Frequency range (Hz)		100-9600	100-9400
	1 mA/m field (1600 Hz) (dB SPL)	68	
Telecoil output	10 mA/m field (1600 Hz) (dB SPL)	88	
	HFA SPLITS L/R (dB SPL)		83/83
	500 Hz (%)	<2	<2
Total harmonic distortion (Input 70 dB SPL)	800 Hz (%)	<3	<2
	1600 Hz (%)	<2	<2
Equivalent input noise level	Omni (dB SPL)	18	17
	Dir (dB SPL)	26	28
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	



1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 2 & 3

miniRITE R 60



60

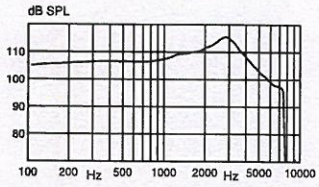
Mould, Bass & Power dome

OpenBass dome

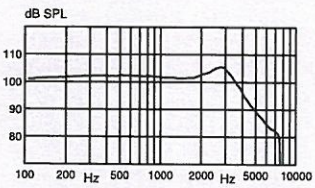
Technical information
Omnidirectional mode is used unless otherwise stated.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90	Peak (dB SPL)	116	106
	1600 Hz (dB SPL)	110	102
	HFA-OSPL90 (dB SPL)	110	103
Full-on gain[1]	Peak (dB)	46	36
	1600 Hz (dB)	37	29
	HFA-FOG (dB)	38	30
Reference test gain (dB)		31	26
Frequency range (Hz)		100-7500	100-7500
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	68	
	10 mA/m field (1600 Hz) (dB SPL)	88	
	HFA SPLITS L/R (dB SPL)		83/83
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<3	<2
	1600 Hz (%)	<2	<2
Equivalent input noise level	Omni (dB SPL)	19	17
	Dir (dB SPL)	26	29
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

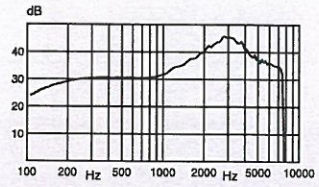
OSPL90



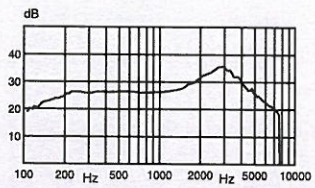
OSPL90



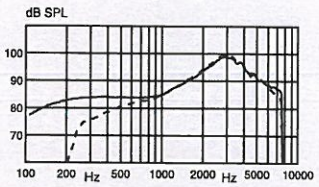
Full-on gain



Full-on gain

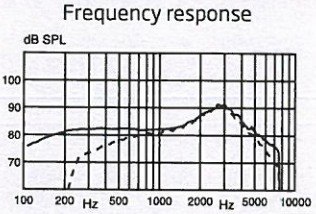


Frequency response



Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

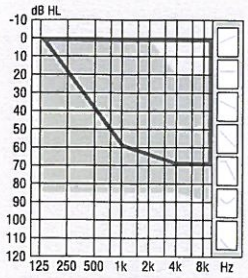
Frequency response



1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 1

miniRITE R 85

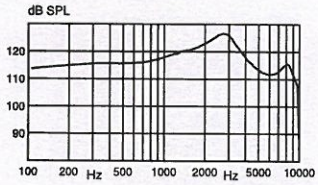
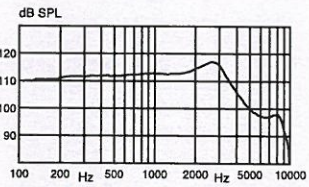
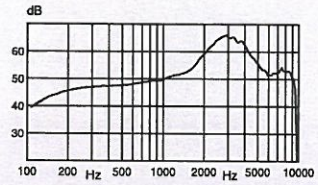
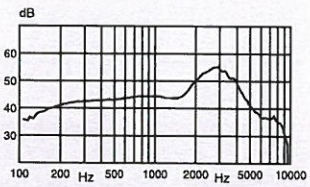
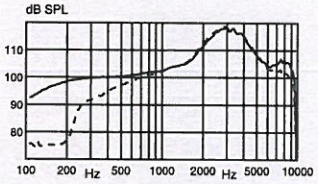
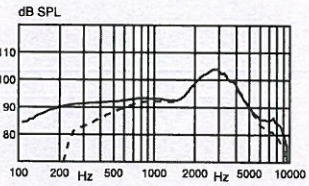


85

Mould, Bass & Power dome

OpenBass dome

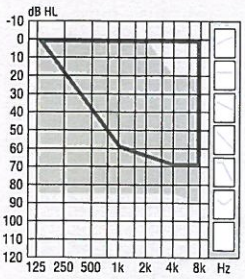
Technical information
Omnidirectional mode is used unless otherwise stated.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90			
Full-on gain			
Frequency response			
	Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m		
OSPL90	Peak (dB SPL)	127	117
	1600 Hz (dB SPL)	121	113
	HFA-OSPL90 (dB SPL)	122	114
Full-on gain[1]	Peak (dB)	66	55
	1600 Hz (dB)	53	45
	HFA-FOG (dB)	56	48
Reference test gain (dB)		46	37
Frequency range (Hz)		100-9500	100-8900
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	84	
	10 mA/m field (1600 Hz) (dB SPL)	104	
	HFA SPLITS L/R (dB SPL)		94/94
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<4	<2
	1600 Hz (%)	<5	<2
Equivalent input noise level	Omni (dB SPL)	21	18
	Dir (dB SPL)	29	28
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 2 & 3

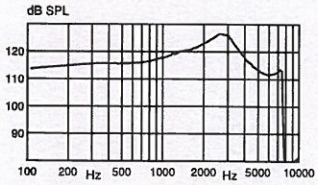
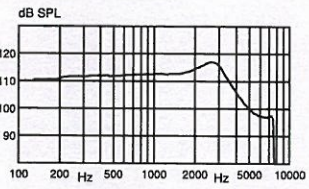
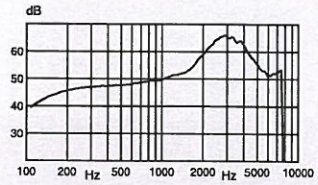
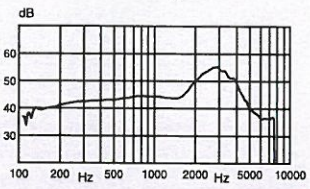
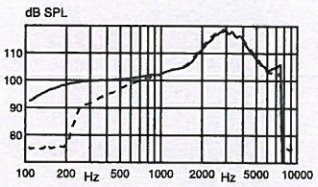
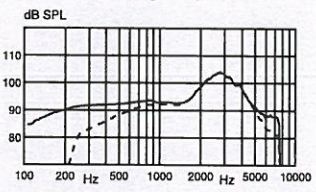
miniRITE R 85



Mould, Bass & Power dome

OpenBass dome

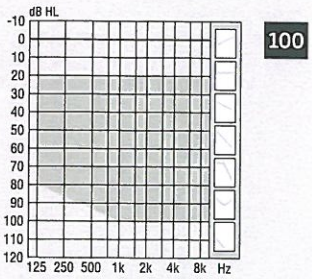
Technical information
Omnidirectional mode is used unless otherwise stated.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency response 	Frequency response 
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	
OSPL90	Peak (dB SPL)	127	117
	1600 Hz (dB SPL)	121	113
	HFA-OSPL90 (dB SPL)	122	114
Full-on gain[1]	Peak (dB)	66	55
	1600 Hz (dB)	53	45
	HFA-FOG (dB)	56	48
Reference test gain (dB)		46	37
Frequency range (Hz)		100-7500	100-7500
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	84	
	10 mA/m field (1600 Hz) (dB SPL)	104	
	HFA SPLITS L/R (dB SPL)		94/94
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<4	<2
	1600 Hz (%)	<5	<2
Equivalent input noise level	Omni (dB SPL)	22	18
	Dir (dB SPL)	29	27
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 1

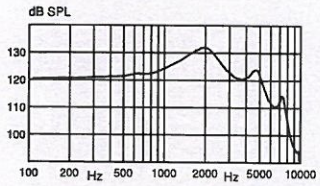
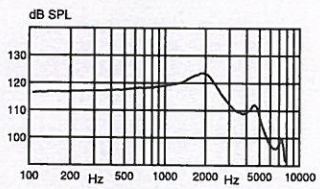
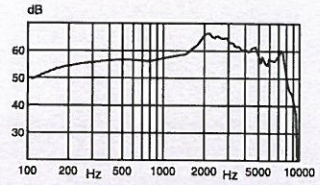
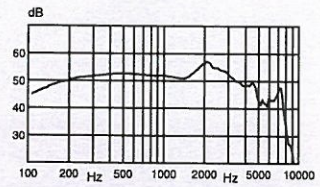
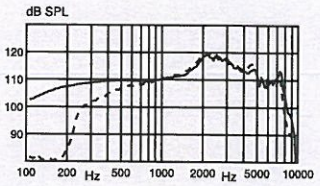
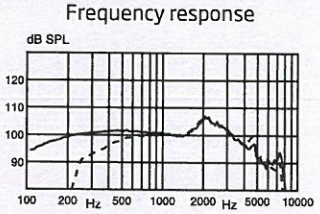
miniRITE R 100



Power flex mould, Bass & Power dome

Technical information
Omnidirectional mode is used unless otherwise stated.

Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

	Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90		
Full-on gain		
Frequency response		

——— Acoustic input: 60 dB SPL
- - - - Magnetic input: 31.6 mA/m

		Ear Simulator	2CC Coupler
OSPL90	Peak (dB SPL)	132	124
	1600 Hz (dB SPL)	130	122
	HFA-OSPL90 (dB SPL)	127	120
Full-on gain[1]	Peak (dB)	66	57
	1600 Hz (dB)	60	52
	HFA-FOG (dB)	61	53
Reference test gain (dB)		53	42
Frequency range (Hz)		100-8900	100-7500
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	91	
	10 mA/m field (1600 Hz) (dB SPL)	111	
	HFA SPLITS L/R (dB SPL)		100/100
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<9	<2
	800 Hz (%)	<6	<2
	1600 Hz (%)	<3	<2
Equivalent input noise level	Omni (dB SPL)	17	16
	Dir (dB SPL)	26	28
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 2 & 3

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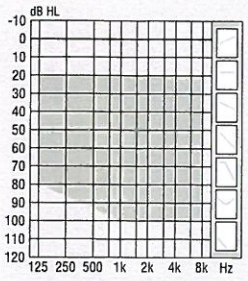
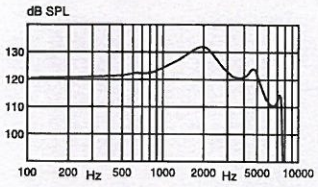
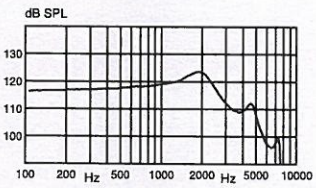
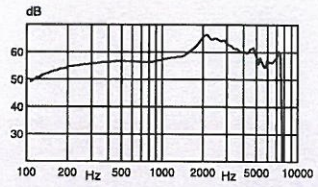
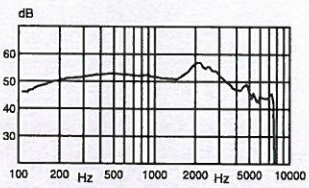
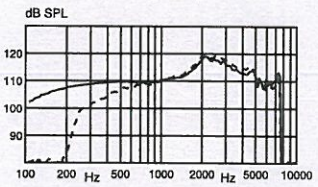
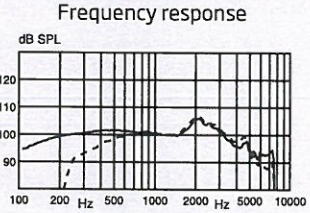


100

Power flex mould, Bass & Power dome

Technical information
Omnidirectional mode is used unless otherwise stated.

Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

	Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90		
Full-on gain		
Frequency response		

——— Acoustic input: 60 dB SPL
- - - - Magnetic input: 31.6 mA/m

		Ear Simulator	2CC Coupler
OSPL90	Peak (dB SPL)	132	124
	1600 Hz (dB SPL)	130	122
	HFA-OSPL90 (dB SPL)	127	120
Full-on gain[1]	Peak (dB)	66	57
	1600 Hz (dB)	60	52
	HFA-FOG (dB)	61	53
Reference test gain (dB)		53	42
Frequency range (Hz)		100-7500	100-7500
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	91	
	10 mA/m field (1600 Hz) (dB SPL)	111	
	HFA SPLITS L/R (dB SPL)		100/100
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<9	<2
	800 Hz (%)	<6	<2
	1600 Hz (%)	<3	<2
Equivalent input noise level	Omni (dB SPL)	17	17
	Dir (dB SPL)	26	29
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]			

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 1

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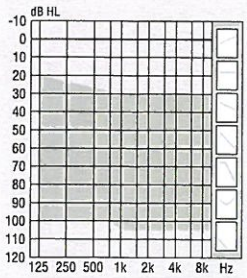
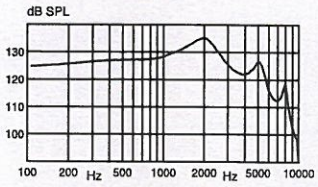
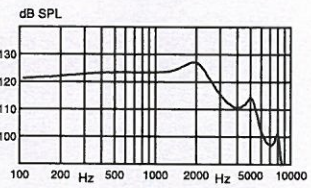
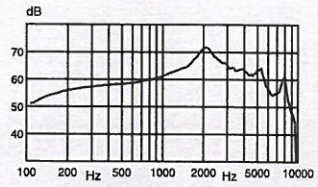
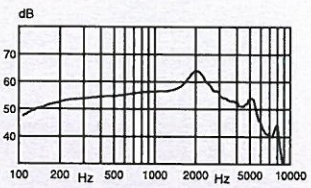
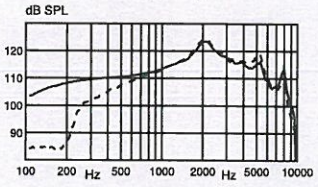
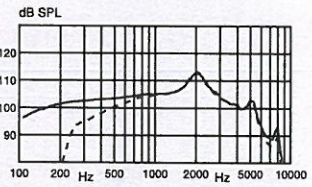


105

Power flex mould

Technical information
Omnidirectional mode is used unless otherwise stated.

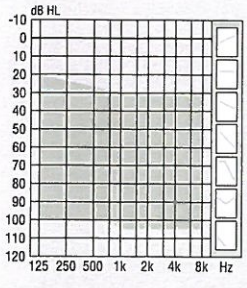
Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	**2CC Coupler** Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90	OSPL90
			
		Full-on gain	Full-on gain
			
		Frequency response	Frequency response
			
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	
OSPL90	Peak (dB SPL)	135	127
	1600 Hz (dB SPL)	133	126
	HFA-OSPL90 (dB SPL)	131	123
Full-on gain[1]	Peak (dB)	72	64
	1600 Hz (dB)	66	59
	HFA-FOG (dB)	65	58
Reference test gain (dB)		58	47
Frequency range (Hz)		100-9100	100-7900
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	96	
	10 mA/m field (1600 Hz) (dB SPL)	116	
	HFA SPLITS L/R (dB SPL)		105/105
Total harmonic distortion (Input 70 dB SPL)	500 Hz (%)	<2	<2
	800 Hz (%)	<2	<2
	1600 Hz (%)	<4	<2
Equivalent input noise level	Omni (dB SPL)	16	16
	Dir (dB SPL)	25	28
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Real 2 & 3

miniRITE R 105

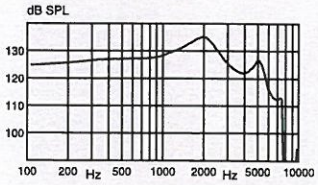
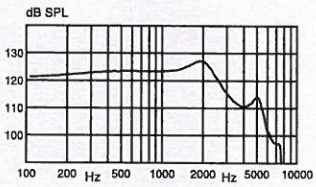
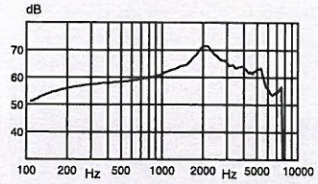
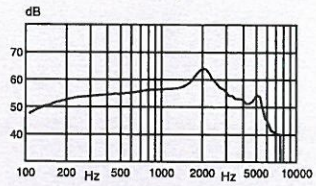
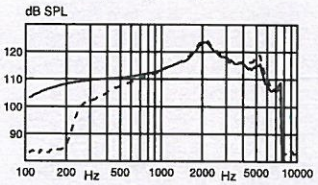
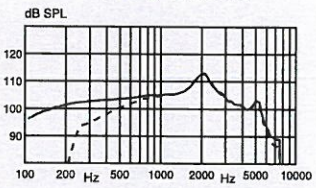


105

Power flex mould

Technical information
Omnidirectional mode is used unless otherwise stated.

Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

	Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90		
Full-on gain		
Frequency response		

Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

OSPL90	Peak (dB SPL)	135	127
	1600 Hz (dB SPL)	133	126
	HFA-OSPL90 (dB SPL)	131	123
Full-on gain[1]	Peak (dB)	72	64
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	10 mA/m field (1600 Hz) (dB SPL)	116	
	HFA SPLITS L/R (dB SPL)		104/104
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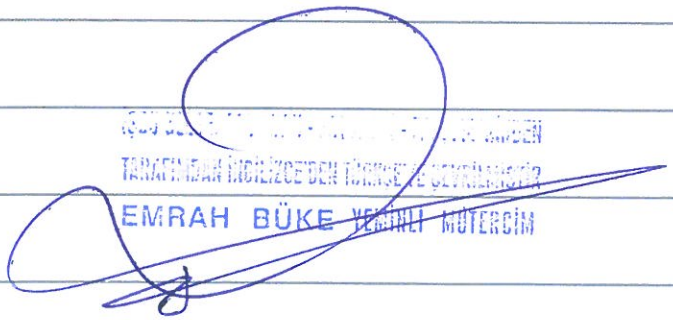
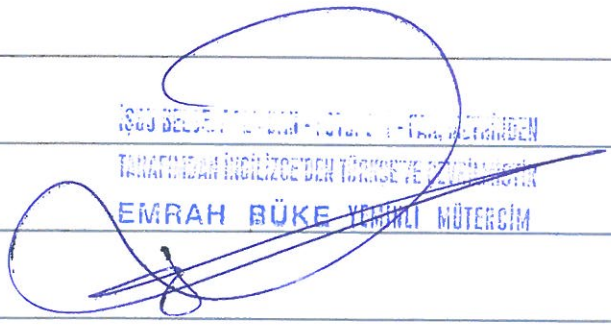
	800 Hz (%)	<2	<2
	1600 Hz (%)	<4	<2
Equivalent input noise level	Omni (dB SPL)	16	16
	Dir (dB SPL)	25	28
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]			

1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Notes



Notes



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