

Frequency specifications, Agilent 8560 E-series

Frequency range

30 Hz ² to 13.2 GHz	30 Hz ¹ to 26.5 GHz	30 Hz ¹ to 40 GHz	30 Hz ¹ to 50 GHz	
18 GHz to	18 GHz to	18 GHz to	18 GHz to	
	18 GHz to 325 GHz			

Frequency band	Harmonic mixing mode (N)
30 Hz to 2.9 GHz	1
2.75 GHz to 6.46 GHz	1
5.86 GHz to 13.2 GHz	2
12.4 GHz to 26.8 GHz	4
26.4 GHz to 31.15 GHz	4
31.0 GHz to 50 GHz	8

Frequency reference

		Option 103
Temperature stability ³	±1 x 10 ⁻⁸	±1x10 ⁻⁶
Aging (per year)	±1 x 10 ⁻⁷	±2x10-6
(per day nom.)	±5 x 10 ⁻¹⁰⁽⁴⁾	
Initial achievable accuracy	±2.2 x 10 ⁻⁸	±1 x 10 ⁻⁶
Short-term warm-up		
accuracy factors (nominal)		
5 minute	±1 x 10 ⁻⁷	
15 minute	±1 x 10 ⁻⁸	

Frequency readout accuracy

(Start, stop, center, and	marker frequency functions)
Span >2 MHz x N ⁵	±(freq readout x freq ref accuracy ⁶
	+5% x span +15% x RBW +10 Hz)
Span ≤2 MHz x N ⁵	±(freq readout x freq ref accuracy ⁶ +1% x span +15% x RBW +10 Hz)

Frequency counter accuracy

Marker count accuracy ±(marker freq x freq ref (S/N ≥25 dB) accuracy⁶ +2 Hz x N⁵

Accuracy at 1 GHz (25 °C, 1 yr aging, marker resolution = 1 Hz) Delta count accuracy (S/N ≥25 dB) **Counter resolution**

+1 LSD of counter) ±225 Hz (5 minute warm-up)⁷ ±135 Hz (15 minute warm-up)⁷ ±3003 Hz (Option 103) \pm (delta freq x freq ref accuracy⁶ +4 Hz x N⁵ +2 LSD) Selectable from 1 Hz to 1 MHz

Frequency span Range

Accuracy Span >2 MHz x N⁵ Span ≤ 2 MHz x N⁵ (100 Hz x N¹⁰ when using external mixers)

0, 100 Hz to full span

±5% ±1%

2. 8560E, 8561E, 8562E minimum frequency in AC coupled mode is 100 kHz. In DC coupled mode minimum frequency is 30 Hz.

4. After 7-day warm-up

^{1. 8563}E, 8564E, 8565E require Option 006 for operation below 9 kHz.

^{3. -10 °}C to +55 °C, referenced to 25 °C

^{5.} N = harmonic mixing mode number 6. Frequency reference accuracy = aging x time since last adjustment + initial

achievable accuracy + temperature stability

Frequency specifications, continued

Sweep time	
Range	
Span = 0 Hz	50 µs to 6000 s
Span ±100 Hz	
RBW ≥300 Hz	50 ms to 2000 s
RBW ≤100 Hz	50 ms to 100 ks
Accuracy (Span = 0 Hz)	
Sweep time ≥30 ms	±1% (digitized trace data)
Sweep time <30 ms	±10% (analog trace data)
(non-Option 007)	
Sweep time <30 ms	±0.1% (digitized trace data)
(Option 007 ¹)	
Sweep trigger	delayed, free run, single, line, video, external

Resolution bandwidth

Range (–3 dB)	1 Hz to 1 MHz in a 1, 3,	10 sequence
	and 2 MHz (3 MHz at -6	GdB)
Option 103	10 Hz to 1 MHz in a 1, 3	, 10 sequence
	and 2 MHz (3 MHz at -6	GdB)
Accuracy	1 Hz to 300 kHz	±10%
	1 MHz	±25%
	2 MHz	+50%, -25%
Selectivity (-60 dB/-	–3 dB BW ratio)	
RBW ≥300 Hz	<15:1	
RBW ≤100 Hz	<5:1	

Video bandwidth 1 Hz to 3 MHz in a 1, 3, 10 sequence range

1. Option 007 extends digitized trace data capability to sweep times <30 ms. 2. Add 5.2 x ((f/1 GHz)-1) for f >1 GHz and f ≤2.9 GHz 3. Add 2.5 x ((f/1 GHz)-1) for f >1 GHz and f ≤2.9 GHz 4. Add 3.0 dB x ((f/1 GHz)-1) for f >1 GHz and f ≤2.9 GHz 5. Add 2 dB for f >1 GHz and f ≤2.9 GHz 6. RBW ≤1 k or Span ≤745 kHz 7. RBW >2 k as Cons >745 kHz

Noise sidebands (see figure 1)

Center Frequen	cy ≤1 GHz	
Offset		Opt. 103
100 Hz	≤88 dBc/Hz ²	≤70 dBc/Hz ²
1 kHz	≤97 dBc/Hz ²	≤90 dBc/Hz ²
10 kHz ⁶	≤113 dBc/Hz ³	≤113 dBc/Hz ³
30 kHz ^{6,8}	≤113 dBc/Hz ⁴	≤113 dBc/Hz ⁴
100 kHz ⁷	≤117 dBc/Hz ⁵	≤117 dBc/Hz ⁵

Residual FM

k-pk x N ⁹ in 20 ms z pk-pk x N ⁹ in 20 ms
al) pk-pk x N ⁹ in 20 ms

^{7.} RBW \geq 3 k or Span >745 kHz

^{8.} Not specified at 30 kHz offset for 8564E and 8565E

^{9.} N = harmonic mixing mode number

Amplitude specifications, Agilent 8560 E-series

Range	Displayed average noise level to +30 dBm
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1 dB gain compression Maximum power at mixer =

Maximum safe input level		input power (dBm) – input attenua	tion (dB)
Average continuous power	+30 dBm (1 W,	10 MHz to 2.9 GHz	–5 dBm
·······	input attn $\geq 10 \text{ dB}$)	2.9 GHz to 6.46 GHz	+0 dBm ³
Peak pulse power	+50 dBm (100 W,	6.46 GHz to 26.8 GHz	–3 dBm
(≤10 µs pulse width,	input attn ≥30 dB)	26.8 GHz to 50 GHz	+0 dBm (nominal)
<1% duty cycle)			
Maximum DC input voltage			
DC coupled	±0.2 Vdc		
AC coupled	±50 Vdc		

Displayed average noise level (DANL) (see figure 2)

(0 dB attonuation 1 Hz resolution bandwidth)

(U dB attenuation, T Hz resolution	8560E	8561E	8562E	8563E	8564E, 8565E
30 Hz ²	≤90 dBm				
1 kHz ²	≤105 dBm				
10 kHz	≤120 dBm				
100 kHz	≤120 dBm				
1 MHz to 10 MHz	≤140 dBm				
10 MHz to 2.9 GHz	≤149 dBm	≤145 dBm	≤151 dBm	≤151 dBm	≤145 dBm
2.9 GHz to 6.46 GHz		≤145 dBm	≤148 dBm	≤148 dBm	≤147dBm
6.46 GHz to 13.2 GHz			≤145 dBm	≤145 dBm	≤143 dBm
13.2 GHz to 22.0 GHz				≤140 dBm	≤140 dBm
22.0 GHz to 26.8 GHz				≤139 dBm	≤136 dBm
26.8 GHz to 31.15 GHz					≤139 dBm
31.15 GHz to 40 GHz					≤130 dBm
40 GHz to 50 GHz					≤127 dBm

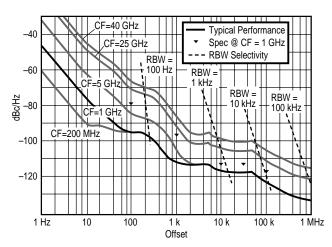


Figure 1. Noise sidebands normalized to 1 Hz BW versus offset from carrier

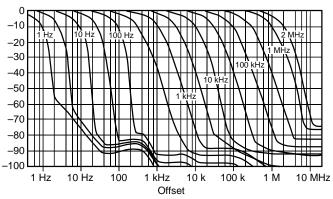


Figure 2. Typical on-screen dynamic range versus offset from 1 GHz center frequency for all RBWs (mixer level = -10 dBm)

Tor Option 103, degrade DANL by 10 dB
S653E, 8564E, 8565E require Option 006 for operation below 9 kHz.

^{3. 8561}E: -3 dBm

Dynamic range (see figure 3 Compression to noise ¹) 8560E	8561E	8562E	8563E	8564E, 8565E
10 MHz to 2.9 GHz	>146 dB	>140 dB	>146 dB	>144 dB	>145 dB
2.9 GHz to 6.46 GHz		>142 dB	>148 dB	>148 dB	>147 dB
6.46 GHz to 13.2 GHz			>142 dB	>142 dB	>140 dB
13.2 GHz to 22.0 GHz				>137 dB	>137 dB
22.0 GHz to 26.8 GHz				>136 dB	>133 dB
26.8 GHz to 31.15 GHz					>139 dB
31.15 GHz to 40 GHz					>130 dB
10 GHz to 50 GHz					>127 dB
Signal to distortion					
Harmonic ²	8560E	8561E	8562E	8563E	8564E, 8565E
20 MHz to 1.45 GHz	>95 dB	>88.5 dB	>95 dB	>94 dB	>92 dB
1.45 GHz to 2 GHz		>98.5 dB	>111.5 dB	>111.5 dB	>111 dB
2 GHz to 3.25 GHz		>119 dB	>119 dB	>119 dB	>113.5 dB
3.25 GHz to 6.6 GHz			>117.5 dB	>117.5 dB	>111.5 dB
6.6 GHz to 11 GHz				>115 dB	>110 dB
11 GHz to 13.4 GHz				>114.5 dB	>108 dB
13.4 GHz to 15.6 GHz					>109.5 dB
15.6 GHz to 20 GHz					>105 dB
20 GHz to 25 GHz					>103.5 dB
Intermodulation ³	8560E	8561E	8562E	8563E	8564E, 8565E
10 MHz to 2.9 GHz	>108 dB	>103 dB	>108 dB	>107 dB	>104 dB
2.9 GHz to 6.46 GHz		>107 dB	>108.5 dB	>108.5 dB	>108 dB
6.46 GHz to 13.2 GHz			>101.5 dB	>101.5 dB	>100 dB
13.2 GHz to 22.0 GHz				>98 dB	>98 dB
22.0 GHz to 26.8 GHz				>97.5 dB	>95.5 dB
26.8 GHz to 31.15 GHz					>101 dB (nominal)
31.15 GHz to 40 GHz					>95 dB (nominal)
0 GHz to 50 GHz					>93 dB (nominal)

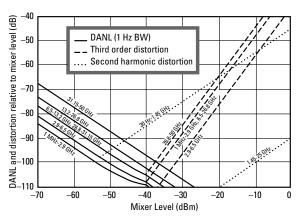


Figure 3. Agilent 8560E family nominal dynamic range

- 1. (1 dB compression DANL) For Option 103, degrade compression to noise dynamic range by 10 dB. 2. 0.5 x (SHI - DANL at 2 x input frequency) For Option 103, degrade harmonic (SHI)
- dynamic range by 5 dB.
- 3. 0.67 x (TOI DANL) For Option 103, degrade intermodulation (TOI) dynamic range by 6.67 dB.

•	-		
Sn	11216	2110	rachancac
DU	unu	105	responses

General spurious responses

<(-75 + 20 x log N¹) dBc (Mixer level –40 dBm)

Second harmonic distortion input signal	Mixer level	Distortion	SHI	
20 MHz to 1.45 GHz	–40 dBm	≤79 dBc ²	+39 dBm ²	
1.45 GHz to 2 GHz	–10 dBm ³	≤85 dBc ³	+75 dBm ³	
2 GHz to 13.25 GHz				
8562E, 8563E	–10 dBm	≤100 dBc	+90 dBm	
8564E, 8565E	–10 dBm	≤90 dBc	+80 dBm	
13.25 GHz to 25 GHz	–10 dBm	≤90 dBc	+80 dBm	

Third order intermodulation distortion

(Two –30 dBm signals, ≥1 kHz apart)	Mixer level	Distortion	τοι
20 MHz to 2.9 GHz	–30 dBm each	≤82 dBc ⁴	+11 dBm
2.9 GHz to 6.46 GHz	–30 dBm each	≤90 dBc	+15 dBm
6.46 GHz to 26.8 GHz	–30 dBm each	≤75 dBc	+7.5 dBm
26.8 GHz to 50 GHz	–30 dBm each	≤85 dBc (nominal)	+12.5 dBm (nominal)

Image responses	Mixer level		
10 MHz to 26.8 GHz	–10 dBm	80 dBc	
26.8 GHz to 50 GHz	–30 dBm	60 dBc	

Multiple and out-of-band responses	Mixer level	
10 MHz to 26.8 GHz	–10 dBm	80 dBc
26.8 GHz to 50 GHz	–30 dBm	–55 dBc

Residual responses

 \leq 90 dBm, for the range from 200 kHz to 6.46 GHz, no input signal, 0 dB input attenuation

Display range

pproximately 7 cm (V) x 9 cm (H)
0 x 10 divisions
0, 5, 2, 1 dB per division
0% of reference level per division

Scale fidelity

	Incremental	Maximum
Log range	0 to –90 dB	0 to90 dB
RBW >= 300 Hz	±0.1 dB/dB	±0.85 dB
RBW <= 100 Hz	±0.2 dB/2dB	±0.85 dB ⁵
Linear range	±3% of reference level	

^{1.} Excluding display related side bands at multiples of 60 Hz

 ^{2. 8561}E; distortion -72 dBc, SHI +32 dBm
2. 8561E: mixer level -20 dBm, distortion -72 dBc, SHI +52 dBm
4. 8561E -78 dB distortion with two -30 dBm signals, 9 dBm TOI
5. Maximum for 0 to -100 dB is ±1.5 dB

–120 to +30 dBm
–115 to +30 dBm
2.2 µV to 7.07 V
3.98 µV to 7.07 V

Frequency response in dB, 10 dB input attenuation, dc coupled relative/typical relative/absolute²/typical absolute³

	8560E	8561E	8562E	8563E	8564E, 8565E
100 MHz to 2 GHz	0.7/0.7//		0.9/0.8//	1.0/0.8//	0.9/0.8//
30 Hz ¹ to 2.9 GHz	1/0.8/1.5/1.0	1.0/0.7/1.75/1.0	1.25/0.8/1.8/1.0	1.25/0.8/1.8/1.0	1.0/0.8/1.5/1.0
2.9 GHz to 6.46 GHz		1.5/1.1/2.5/1.5	1.5/1.1/2.5/1.5	1.5/1.0/2.4/1.5	1.7/1.4/2.6/1.8
6.46 to 13.2 GHz			2.2/1.5/2.9/2.0	2.2/1.5/2.9/2.0	2.6/2.2/3.0/2.8
13.2 to 22 GHz				2.5/1.5/4.0/2.5	2.5/2.5/4.0/3.5
22 to 26.8 GHz				3.3/2.2/4.0/2.5	3.3/2.2/4.5/4.0
26.8 to 31.15 GHz					3.1/2.9/4.0/3.0
31.15 GHz to 40 GHz (8564E)					2.6/2.4/4.0/3.2
31.15 GHz to 50 GHz (8565E)					3.2/3.0/4.0/4.0

Band switching uncertainty

±1 dB (added to relative frequency response for betweenband measurements)

Calibrator output

. .

300 MHz x (1 $\pm frequency~reference~accuracy^4)$ at –10 dBm $\pm 0.3~dB$

Input attenuator

Switching uncertainty (referenced to 10 dB attenuation) 30 Hz to 2.9 GHz for 20 to 70 dB settings of input attenuator: ±0.6 dB/10 dB step, 1.8 dB maximum Repeatability ±0.1 dB (nominal)

IF gain uncertainty

 $\pm 1 \text{ dB}$ (0 to -80 dBm reference levels with 10 dB input attenuation)

IF alignment uncertainty

 $\pm 0.5~\text{dB}$ (additional uncertainty only when using 300 Hz RBW)

Resolution bandwidth switching uncertainty

±0.5 dB (relative to 300 kHz RBW)

^{1.} Operation below 9 kHz requires Option 006.

^{2.} Absolute flatness values referenced to 300 MHz CAL OUT

^{3.} Typical values at 25 °C

^{4.} Frequency reference accuracy = aging x time since last adjustment + initial achievable accuracy + temperature stability

Pulse digitization uncertainty (Pulse response mode, PRF >720/sweep time)

	Log	Linear
RBW ≤1 MHz	<1.25 dB pk-pk	<4% of ref level
RBW = 2 MHz	<3 dB pk-pk	<12% of ref level
Standard deviation (RBW <1 MHz)		<0.2 dB (nominal)

Time-gated spectrum analysis

Gate delay ¹	Edge mode	Level mode
Range	3 µs to 65.535 ms	≤0.5 µs
Resolution	1 µs	
Accuracy	±1 μs	
(From GATE TRIGGER INP	UT to positive edge of GATE OUTPUT	[)

Gate length

Range	1 µs to 65.535 ms	
Resolution	1 μs	
Accuracy	±1 μs	
(From positive edge to negative e	dge of GATE OUTPUT)	

Delayed sweep Trigger modes

Trigger modes	Free run, line, external, video
Range Non-Option 007 ¹ Option 007, sweep time <30 ms sweep time ≥30 ms Resolution Accuracy	+2 μs to +65.535 ms -9.9 ms to +65.535 ms +2 μs to +65.535 ms 1 μs ±1 μs

Demodulation

Spectrum demodulation	
Modulation type	AM and FM
Audio output	Speaker and phone jack
	with volume control
Marker pause time	100 ms to 60 s (nominal)

^{1.} Up to 1 μ s jitter due to 1 μ s resolution of gate delay clock

Inputs/outputs, Agilent 8560 E-series

(All values are nominal)

Front panel connectors RF input

8560E, 8561E, 8562E, 8563E (Option 026, 8563E only) 8564E, 8565E VSWR (≥10 dB atten) 30 Hz to 2.9 GHz 2.9 GHz to 50 GHz LO emission level (Average with 10 dB atten) **IF input** Frequency Full screen level Gain compression **First LO output** Frequency Amplitude

Cal output Probe power Type N female, 50 Ω APC 3.5 mm male, 50 Ω APC 2.4 mm male, 50 Ω

<1.5:1 dB <2.3:1 dB

 $\le 80 \text{ dBm} \\ \text{SMA female, 50 } \Omega \\ 310.7 \text{ MHz} \\ -30 \text{ dBm} \\ -23 \text{ dB} \\ \text{SMA female, 50 } \Omega \\ 3.000 - 6.8107 \text{ GHz}^1 \\ +16.5 \text{ dBm} \pm 2.0 \text{ dB}^1$

BNC female, 50 Ω +15 Vdc, -12.6 Vdc, and Gnd (150 mA max each)

Rear panel connectors Earphone

0.2 W into 4 Ω 10 MHz REF In/Out Shared BNC female, 50 Ω Output freq accuracy ±(10 MHz x freq ref accuracy) Output amplitude 0 dBm Input amplitude -2 to +10 dBm Video output BNC, 50 Ω Amplitude (RBW \geq 300 Hz) 0 to +1 V full scale LO sweep frequency analog voltage output (LO sweep or V/GHz function selectable from the front panel, BNC female, 120 Ω) LO sweep output 0 to 10 V (no load) Frequency analog voltage output (internal mixer mode) Output ramp voltage proportional to start and stop frequencies. Transfer function: 0.5 V/GHz 0.5 V/GHz output (external mixer mode) Output ramp voltage proportional to LO frequency: (LO = 3 to 6.8107 GHz)Transfer function: (1.5 V/GHz x LO frequency (GHz) -0.2054) ±50 mV (typ) Blanking/gate Output Shared BNC female, 50 Ω Blanking mode During sweep Low TTL level **During retrace** High TTL level Gate mode Gate on High TTL level Gate off Low TTL level External/gate **Trigger** input Shared BNC female, >10 k Ω Settable to high TTL or low TTL GPIB IEEE-488 bus connector Interface functions SH1, AH1, T6, L4, LE0, RL1, PP1, DC1, DT1, C1, C28, TE0, SR1 Direct printer output Supports HP 3630A PaintJet printer, HP 2225A ThinkJet printer Direct plotter output Supports HP 7225A/7440A/ 7470A/7475A/7550A

Subminiature mono jack,

^{1.} Option 002: 3.9107 to 6.8107 GHz, +14.5 dBm ±3.0 dB

Options

Option 001 second IF output, Agilent 8560 series

(All values are nominal)

3 dB bandwidth NF conversion gain	8560E	8561E	8562E	8563E	8564E,8565E
30 Hz to 2.9 GHz ¹	>25 MHz 24 dB 1.2 dB	>25 MHz 25 dB –6.5 dB	>25 dB 20 dB –1.2 dB	>25 MHz 25 dB –1.2 dB	>25 MHz 28 dB –1.2 dB
2.9 GHz to 6.5 GHz		>30 MHz 26 dB –1 dB	>30 MHz 22 dB –3 dB	>30 MHz 22 dB –1 dB	>30 MHz 23 dB –1 dB
6.5 GHz to 13.2 GHz			>37 MHz 26 dB –5.7 dB	>37 MHz 26 dB 5.7 dB	>37 MHz 28 dB 5.7 dB
13.2 GHz to 22 GHz				>45 MHz 30 dB –8 dB	>45 MHz 32 dB -8 dB
22 GHz to 26.8 GHz				>45 MHz 32 dB –8 dB	>45 MHz 35 dB –8 dB
26.8 GHz to 31.15 GHz					>25 MHz 28 dB -9 dB
31.15 GHz to 40 GHz					>25 MHz 38 dB –19 dB
40 GHz to 50 GHz					>25 MHz 42 dB –23 dB

Option 002 built-in tracking generator² (8560E only)

Frequency specifications Frequency range	300 kHz to 2.9 GHz
Accuracy	500 KHZ 10 2.3 GHZ
After peaking	±(frequency reference accuracy x tuned frequency +5% x span + 295 Hz)
Tracking drift (nominal)	Usable in 1 kHz RBW after 5-minute warm-up, usable in 300 Hz RBW after 30-minute warm-up.
Minimum RBW	300 Hz ³

Amplitude specifications	
Output level	–10 dBm to +1 dBm
(10 dBm to +2.8 dBm typic	al)
Resolution	0.1 dB
Accuracy	
Vernier	$\pm 0.20 \text{ dB/dB}, \pm 0.5 \text{ dBm}$
	max (25 °C ±10 °C)
Absolute	±0.75 dB
Level flatness	±2.0 dB
Effective source match	1.92:1 (nominal)
Total absolute accuracy	±3.25 dB

DC coupled for frequencies below 100 kHz. Option 006 required for operation below 9 kHz in 8563E, 8564E, 8565E.
Option 002 deletes millimeter external mixer capability (Second IF input is deleted)
Tracking generator not usable with resolution bandwidths ≤100 Hz

Option 002 built-in tracking generator (8560E only), continued

Spurious output (at +1 dBm	output power)
Harmonic spurious	–25 dBc
Non-harmonic spurious	
300 kHz to 2.0 GHz	–27 dBc
2.0 GHz to 2.9 GHz	–23 dBc
LO feedthrough	–16 dBm
	(3.9 GHz to 6.8 GHz)
Residuals (RF-Power-Off)	–78 dBm
	(300 kHz to 2.9 GHz
Dynamic range	
TG feedthrough ¹	
300 kHz to 1 MHz	–95 dBm

1 MHz to 2.7 GHz 2.7 GHz to 2.9 GHz -115 dBm -110 dBm

Dynamic range² 300 kHz to 1 MHz 1 MHz to 2.7 GHz 2.7 to 2.9 GHz **Power sweep**

Inputs/outputs **RF output** (front panel) (nominal) Maximum safe reverse level

External ALC input (rear panel)

96 dB 116 dB 111 dB 10 dB range, 0.1 dB resolution

Type-N female, 50 Ω

+30 dBm, ±30 Vdc

BNC female, use with negative detector

Environmental specifications, Agilent 8560 E-series

Per MIL-T-28800, type III, class 3³, style C

Calibration interval 8560E, 8561E, 8562E, 8563E 8564E, 8565E Warm-up time	2 years 1 year 5-minutes in ambient conditions	Power requirements	115 VAC operation: 90 to 140 V rms, 3.2 A rms max, 47 to 440 Hz 230 VAC operation:
Temperature	–10 °C to +55 °C (oper- ating); –51 °C to +71 °C (not operating)		180 to 250 V rms, 1.8 A rms max, 47 to 66 Hz
Humidity	95% @ 40 °C for 5 days	Maximum power dissipation	
Rain resistance	Drip-proof at 16 liters/	8560E, 8561E, 8562E, 8563E	180 W
	hour/sq. ft.	8564E, 8565E	260 W
Altitude	15,000 ft. (operating), 50,000 ft. (non-	Audible noise (nominal)	<5.0 Bels power at room temp (ISO DP7779)
	operating)	Dimensions (w/o handle, cover)	337 mm W x 187 mm H
Pulse shock (half sine)	30 g for 11 ms duration		x 461 mm D
Transit drop	8-inch drop on six	Weight (nominal)	
	faces and eight	8560E, 8561E, 8562E, 8563E	20 kg (44 lbs)
	corners	8564E, 8565E	21 kg (46 lbs)
Electromagnetic compatibility	Conducted and radiated interference in		
	compliance with		
	CISPR Pub. 11 (1990).		
	Meets Mil-STD-461C, part 2, with certain		187 mm 163 mm (7 3/8")

00000

325 mm (12 13/16")

337 mm (13 1/4")

366 mm (14 7/16")

exceptions.

163 mm (7 3/8")

(6 7/16")

427 mm (16 13/16")

461 mm (18 1/8")

^{1.} Leakage measured with maximum power into 50 Ω and with 50 Ω on RF input

^{2.} Difference between maximum power output and tracking generator feedthrough 3. 8564E, 8565E: Class 5

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