

	Transcom G6	Signal Hound VSG60A												
Frequency Range	10MHz to 6GHz	50 MHz to 6 GHz												
Modulation bandwidth	20MHz (can scale to 100MHz)	40MHz												
Frequency Switch Time	N/A	Queued frequency step time: 200 μ s (rounded up to next I/Q sample clock)												
Frequency-temperature Stability	± 1 ppm @0 ~ 50°C	± 0.28 ppm												
Amplitude Range	-110 to +14dBm	-55 to +7dBm												
Amplitude Accuracy	± 0.75 dB@Lev \geq -80dBm; ± 1.5 dB@Lev $<$ -80dBm	± 2 dB (0.5dB Typ.) Baseband flatness (20 MHz), ± 0.25 dB typical Baseband flatness (40 MHz), ± 0.5 dB typical												
EVM	$\leq 2\%$ rms	0.3% Typ. (1 GHz carrier, 1 MSPS QAM 16, Alpha = 0.35, raised cosine)												
Phase Noise	≤ -105 dBc/Hz@10kHz(3-6GHz); ≤ -109 dBc/Hz@10kHz(≤ 3 GHz)	<table border="1"> <thead> <tr> <th>Offset</th> <th>dBc/Hz</th> </tr> </thead> <tbody> <tr> <td>100 Hz</td> <td>-89</td> </tr> <tr> <td>1 kHz</td> <td>-114</td> </tr> <tr> <td>10 kHz</td> <td>-125</td> </tr> <tr> <td>100 kHz</td> <td>-127</td> </tr> <tr> <td>1 MHz</td> <td>-135</td> </tr> </tbody> </table>	Offset	dBc/Hz	100 Hz	-89	1 kHz	-114	10 kHz	-125	100 kHz	-127	1 MHz	-135
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100 Hz	-89													
1 kHz	-114													
10 kHz	-125													
100 kHz	-127													
1 MHz	-135													
Harmonic	≤ -30 dBc (+10dBm)	-35 dBc typical												
Spurious	≤ -50 dBc	-50 dBc typical for most signals												
Modulation Type	BPSK, QPSK, OQPSK, 8PSK, MSK, FSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, AM, FM, PM, DSB, USB, LSB, GSM, EDGE, TD-SCDMA, WCDMA, CDMA2000, TD-LTE, FDD-LTE, NB-IoT, LoRa	CW AM, FM, Pulse, Multitone, Sweep, AWGN, FSK, GFSK, OOK, ASK, MSK, GMSK, BPSK, DBPSK, QPSK, DQPSK, Pi/4DQPSK, OQPSK, 8-PSK, 16-PSK, 16-QAM, 64-QAM, 256QAM, 802.11a/b/n/ac, arbitrary												
Power Supply	DC12V, 2A MAX	USB-powered, 4.5 – 5.25V, 1200 mA typical.												
Operating Temperature	0°C to 50°C	0°C to 50°C												
Dimension and weight	180×50×290(mm), 1.8kg	8.63" x 3.19" x 1.19", 0.81 lb. (367 gm)												