



CA5000 CellAdvisor 5G



Specification* Conditions

CA5000 specifications apply under these conditions:

- The instrument has been turned on for at least 15 minutes
- The instrument is operating within a valid calibration period
- Data with no tolerance are considered typical values
- Typical and nominal values are defined as:
 - Typical: It is performance beyond specifications that 80% of the units
 - Nominal: a general, descriptive term or parameter

Spectrum Analyzer (Standard)

Frequency and time specifications

| Option | Frequency range | |
|---|---|--|
| Option F001 | FR1 Band: 9 kHz to 6 GHz | |
| Option F002 | FR1 and FR2 Band | |
| | FR1 Band: 9 kHz to 6 GHz | |
| | FR2 Band: 24 GHz to 40 GHz | |
| Frequency reference | | |
| Accuracy | ± 0.05 ppm (0 to 50 °C) + aging | |
| Accuracy which GPS | ±25 ppb | GPS lock |
| | ±50 ppb | Hold over (72 hours) |
| Aging | ±0.5 ppm/year | |
| Frequency readout accu | racy (start, stop, center, marker) | |
| , , | ± (readout frequency x frequency reference | horizontal resolution = |
| | accuracy + RBW centering + 0.5 x horizontal | frequency span/trace # |
| | resolution + 2 Hz) | |
| | resolution (2 mz) | RBW center = 15% x RBV |
| Frequency span | | |
| Range | 0 Hz (zero span), | |
| | 9 kHz to max frequency of each band | |
| | 1 Hz | |
| Accuracy | • | C |
| Sweep time readout | The time required to complete a sweep from start to | finish, including tuning, |
| Trace update | data acquisition and process | Nominal |
| Trace apaate | 15 trace/ sec | Nomina |
| | | Span= 260 MHz |
| | 13 trace/ sec | Span= 260 MHz RBW 100 kHz |
| Sweep time | 13 tracey sec | RBW 100 kHz |
| Sweep time Range | 0.4 ms to 1000 s | • |
| Sweep time Range | | RBW 100 kHz Nominal |
| | 0.4 ms to 1000 s 24 μs to 200 s | RBW 100 kHz |
| Range | 0.4 ms to 1000 s 24 μs to 200 s | RBW 100 kHz Nominal zero span |
| Range | 0.4 ms to 1000 s 24 μs to 200 s ±2 % | RBW 100 kHz Nominal zero span |
| Range Accuracy Type | 0.4 ms to 1000 s 24 µs to 200 s ±2 % Continuous, Single | RBW 100 kHz Nominal zero span |
| Range Accuracy Type Mode Trigger Trigger source | 0.4 ms to 1000 s 24 µs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external | RBW 100 kHz Nominal zero span |
| Range Accuracy Type Mode Trigger | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s | RBW 100 kHz Nominal zero span |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs | RBW 100 kHz Nominal zero span zero span |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay Resolution Bandwidth (| 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs RBW) | RBW 100 kHz Nominal zero span zero span Nominal |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs | RBW 100 kHz Nominal zero span zero span Nominal ~ 3 dB bandwidth |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay Resolution Bandwidth (I | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs RBW) 1 Hz to 3 MHz | RBW 100 kHz Nominal zero span zero span Nominal |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay Resolution Bandwidth (Range Accuracy | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs RBW) 1 Hz to 3 MHz ±10% | RBW 100 kHz Nominal zero span zero span Nominal 3 dB bandwidth 1-3-10 sequence |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay Resolution Bandwidth (Range Accuracy Video Bandwidth (VBW) | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs RBW) 1 Hz to 3 MHz ±10% | RBW 100 kHz Nominal zero span zero span Nominal ~ 3 dB bandwidth 1-3-10 sequence Nominal |
| Range Accuracy Type Mode Trigger Trigger source Trigger delay Resolution Bandwidth (Range Accuracy | 0.4 ms to 1000 s 24 μs to 200 s ±2 % Continuous, Single Gated sweep (requires option S015), Normal, Fast Free run, video, external Range: 0 to 200 s Resolution: 6 μs RBW) 1 Hz to 3 MHz ±10% | RBW 100 kHz Nominal zero span zero span Mominal ~ 3 dB bandwidth 1-3-10 sequence |

| Am | plitude | accuracy | ı and | range s | pecifications |
|---------|---------|----------|--------|---------|---------------|
| , ,,,,, | piicaac | acca. ac | , alla | Tange 3 | pecineations |

| | nd range specifications | |
|--------------------------|---|---------------------|
| Amplitude range | | |
| Measurement range | FR1 Band: DANL to +25 dBm | |
| | FR2 Band: DANL to +15 dBm | |
| Input attenuator range | FR1 Band: 0 to 55 dB in 5 dB steps | |
| | FR2 Band: 0 to 50 dB in 5 dB steps | |
| Preamplifier | | Nominal |
| Frequency range | FR1 Band: 10 MHz to 6 GHz | |
| and a series, a series | FR2 Band: 24 GHz to 40 GHz | |
| Gain | FR1 Band: 20 dB | |
| Cam | FR2 Band: 20 dB | |
| Max RF input operating | | |
| wax Kr input operating | FR1 Band: +25 dBm, ±50 VDC | Average CM newer |
| | · | Average CW power |
| B'anlass as a sa | FR2 Band: +15 dBm, ±50 VDC | |
| Display range | 40 distribute | |
| Log/Linear scale | 10 divisions | |
| | 1 to 20 dB/Division in 1 dB | |
| Scale units | dBm, dBV, dBmV, dBμV, V, mV, W, mW | |
| Reference level | | |
| • | -120 to +100 dBm | |
| Resolution | Log scale: 0.1 dB | |
| | Linear scale: 1 % of reference level | |
| Trace | | |
| Detectors | Normal, positive peak, negative peak, sample, | |
| | Average (RMS) | |
| Number | | |
| States | Clear/write, maximum hold, minimum hold, | |
| | capture, load, blank, trace math, trace info, | |
| Functions | Time expired maximum hold and minimum hold, | |
| Tarictions | trace math, trace info | |
| Marker | trace math, trace mo | |
| | Normal, delta, delta pair, marker table | |
| Type Number | 6 | |
| | Noise marker | |
| Functions | | |
| Marker to -> | | |
| | min search, always peak | |
| | Center, start, stop | |
| Audio beep | | |
| | Display 6 markers | |
| Absolute amplitude accu | • | |
| | gnal ≥ -50 dBm, auto-coupled, 15-minute warm-up | |
| Preamplifier on: -90 dBr | m < input signal < -50 dBm, auto-coupled, 15-minute | • |
| | FR1 Band: 1 MHz to 6 MHz \pm 1.0 dB, \pm 0.5 dB (T) | 20 to 30 °C |
| | ± 2.0 dB, ± 1.2 dB (T) | -10 to 55 °C |
| | FR2 Band: 24 GHz to 40 GHz ± 1.5 dB, ± 0.8 dB (T) | 20 to 30 °C |
| | ± 3.3 dB, ± 1.5 dB (T) | -10 to 55 °C |
| Input VSWR | | Nominal |
| | FR1 Band: 1.8:1 | @ 10 dB Attenuation |
| | FR2 Band: 2.5:1 | |

Dynamic range specifications

| Dynamic range specifications | | |
|-------------------------------|--|----------------|
| Displayed average noise leve | • | |
| | rmination, 0 dB attenuation, RMS detector | |
| Preamplifier off | FR1 Band: | |
| | 10 MHz to 3.0 GHz -143 dBm, -146 dBm (T) | |
| | >3.0 GHz to 4.5 GHz -140 dBm, -143 dBm (T) | |
| | >4.5 GHz to 6.0 GHz -135 dBm, -138 dBm (T) | |
| | FR2 Band: | |
| | 24 GHz to 40 GHz -130 dBm, -135 dBm (T) | |
| Preamplifier on | FR1 Band: | |
| | 10 MHz to 3.0 GHz -160 dBm, -165 dBm (T) | Preamp 1 |
| | >3.0 GHz to 4.5 GHz -155 dBm, -160 dBm (T) | |
| | 10 MHz to 3.0 GHz -163 dBm, -168 dBm (T) | Preamp 1 and 2 |
| | >3.0 GHz to 4.5 GHz -161 dBm, -165 dBm (T) | · |
| | FR2 Band: | |
| | 24 GHz to 40 GHz -148 dBm, -153 dBm (T) | |
| Second harmonic distortion | , | |
| | 50 MHz to 4.5 GHz < -65 dBc, typical | |
| | >4.5 GHz to 6.0 GHz < -75 dBc, typical | |
| Third-order inter-modulation | | |
| | FR1 Band: | |
| | 10 MHz to 3.0 GHz +9 dBm, typical | |
| | > 3.0 GHz to 6.0 GHz +11 dBm, typical | |
| | FR2 Band: +12 dBm, typical | |
| Spur free dynamic range | · // | |
| 2/3 (TOI-DANL) in 1 Hz RBW | FR1 Band: > 104 dB | @ 2 GHz |
| , - (- , | FR2 Band: > 95 dB | @ 28 GHz |
| Spurious | | 2 23 32 |
| Inherent residual response | Input terminated, 0 dB attenuation, preamp off | |
| | FR1 Band: -95 dBm | |
| | FR2 Band: -80 dBm | |
| | Excepts | |
| Input-related Spurious | FR1 Band: < -75 dBc | Typical |
| input related Sparious | FR2 Band: < -70 dBc | Typical |
| LO feedthrough to input | FR1 Band: < -85 dBm | Тургеат |
| 20 recutinough to input | FR2 Band: < -47 dBm | |
| Single sideband (SSB) phase | | |
| Single sideband (33b) phase i | FR1 Band: | @ 1 GHz |
| | -98 dBc/Hz, -103 dBc/Hz (T) @ 10 kHz offset | @ 1 GHZ |
| | -105 dBc/Hz, -110 dBc/Hz (T) @ 100 kHz offset | |
| | -125 dBc/Hz, -130 dBc/Hz (T) @ 1 MHz offset | |
| | FR2 Band: | @25 GHz |
| | -90 dBc/Hz, -95 dBc/Hz (T) @ 10 kHz offset | w23 0112 |
| | -90 dBc/Hz, -95 dBc/Hz (T) @ 10 kHz offset | |
| | | |
| | -110 dBc/Hz, -115 dBc/Hz (T) @1 MHz offset | |

Measurements

Channel Power Channel power

Spectral Density

PAR (Peak to Average Ratio)

Occupied Bandwidth Occupied bandwidth

Integrated power
Occupied power
x dB bandwidth

Spectrum Emission Mask Reference power

Peak level at defined range

Reference power

Peak level at defined range

Adjacent Channel Power Reference power

(ACP) Absolute power at defined frequency offset

Relative power at defined frequency offset Reference power at lowest defined frequency

Multi-ACP Reference power at lowest defined frequency

(Adjacent Channel Power) Reference power at highest defined frequency

Absolute power at defined frequency offset Relative power at defined frequency offset

Spurious Emissions Peak power at defined range

Frequency of peak power at defined range

Total Harmonic Distortion Power level at each harmonic

% of THD

Field Strength Field strength power at markers

RF Power Meter (Standard)

General Parameters

Display range -100 to +100 dBm

Offset range 0 to 60 dB

Resolution 0.01 dB or 0.1 x W (x = m, u, p)

Internal RF Power Sensor

Frequency range FR1 Band 10 MHz to 6 GHz

FR2 Band 24 GHz to 40 GHz

Span 1 kHz to 100 MHz

Dynamic range FR1 Band: -120 to +25 dBm

FR2 Band: -120 to +15 dBm

Maximum power FR1 Band: +25 dBm

FR2 Band: +15 dBm

Accuracy Same as spectrum analyzer

External RF Power Sensor (Standard, requires external RF power sensor)

General Parameters

Display range -100 to +100 dBm

Offset range 0 to 60 dB

Resolution 0.01 dB or 0.1 x W (x = m, u, p)

Directional power sensor

Model JD731B JD733A

Frequency Range 300 MHz to 3.8 GHz 150 MHz to 3.5 GHz

Dynamic range Average: 0.15 to 150 W Average: 0.15 to 150 W

Peak: 4 to 400 W Peak: 4 to 400 W

Measurement type Forward/reverse average power, forward peak power, VSWR

Accuracy \pm (4% of reading + 0.05 W)^{1,2} Connector Type Type-N female on both ends

Terminating Power Sensor

Model JD732B JD734B JD736B
Measurement type Average Peak Average & Peak

Frequency Range 20 MHz to 3.8 GHz
Dynamic range -30 to +20 dBm

Accuracy ±7 %¹

Connector Type Type-N female

 1 CW condition at 25 $^{\circ}$ C \pm 10 $^{\circ}$ C 2 Forward power

GPS connectivity with antenna (Option S002)

| - | | |
|--------------------------|---|-----------------------------------|
| GPS receiver type | | |
| | Built-in type | |
| GPS time and location | | |
| GPS information | Latitude, longitude, Satellite, Status, GPS Engine, Satellite view, ID, and C/N | |
| GPS time and location | Time, Latitude, and longitude on display Time, Latitude, and longitude on trace | |
| High-Frequency Accuracy | | |
| GPS lock | ±25 ppb | |
| Hold over for 3 days | ±50 ppb (0 to 50 °C) | 15 minutes after satellite locked |
| Connector | SMA, female | |
| Supplied antenna | SMA (m), 3.3 VDC or 5 VDC | |

Bluetooth Connectivity (Option S003)

Interface type Build-in type

Mode Personal area network (PAN)

File transfer profile (FTP)

Wi-Fi Connectivity (Option S004)

Interface type Build-in type
Interface standard IEEE 802.11 b/g/n
Wireless mode Infrastructure mode
Internet protocol version IPv4, IPv6

Real Time Spectrum Analyzer (Option S010 and S011)

Frequency range

Option F001 FR1 Band: 9 kHz to 6 GHz

Option F002 FR1 and FR2 Band

FR1 Band: 9 kHz to 6 GHz FR2 Band: 24 GHz to 40 GHz

Frequency Span

Option S010 50 MHz real time

Option S011 100 MHz real time 100 MHz step sequence

Acquisition

IF bandwidth 50 MHz or 100 MHz

Resolution bandwidth 30 kHz to 3 MHz 1-3-10 sequence

A/D converter 245.76 Msps, 16 bits

FFT lengths 8192

Maximum acquisition time 1000 ms
Minimum IQ resolution 8.138 ns

Probability of Intercept 125 μs Span: 100 MHz

(POI)

Spectrum display

Trace Detectors Normal, positive peak, negative peak, sample,

Average (RMS)

Trace number 6

Trace states Clear/write, maximum hold, minimum hold,

capture, load, blank

Marker Type Normal, delta, delta pair, marker table

Marker Number 6

Marker to -> Peak, next peak, next peak right, next peak left,

min search, always peak Center, start, stop

Audio beep Tone change with signal strength

Marker table Display 6 markers

Persistence spectrum display

Spectrum processing rate ≤ Max 40,000/s

DPX bitmap resolution 201x801

Marker information Frequency, amplitude, signal density

Dwell time per step 100 ms to 100 s

Trace processing Color-graded bitmap, +Peak, -Peak, average

Trace length 801

Marker Type Normal, delta, marker table

Marker Number 6

Marker to -> Peak, next peak, next peak right, next peak left,

min search, always peak Center, start, stop

Audio beep Tone change with signal strength

Marker table Display 6 markers

Persistence spectrogram display

Trace detection +Peak, -Peak, Average(RMS)

Trace length, memory depth

Time resolution per line 100 ms to 1sec, user selectable

Interference analyzer (S013)

Measurement

Spectrum Analyzer Sound indicator, interference ID, spectrum recorder

Spectrogram Collect up to 72 hours of data RSSI Collect up to 72 hours of data

Interference finder

Radar Chart

Spectrum replayer Playback recorded data using CA5000

Plot legend Excellent, very good, good, poor

Route Map (S014)

Mode Spectrum analyzer

Plot method Time, position, GPS

Map type Outdoor (position information embedded) Import maps using VIAVI

Indoor (No position information embedded) Mapcreator

User definable range

Measurement item RSSI

ACP

Gated Sweep (S015)

Gated method Gated FFT
Gated delay range 0 to 100 ms
Gated length 1 us to 100 ms

Trigger source External, video and GPS

Channel Scanner (S016)

Frequency range FR1 Band: 10 MHz to 6 GHz

FR2 Band: 24 GHz to 40 GHz

Measurement range FR1 Band: -110 to +25 dBm

FR2 Band: -110 to +15 dBm

Measurements Channel scanner: 1 to 20 channels

Frequency scanner: 1 to 20 frequencies

Customer scanner: 1 to 20 channels or frequencies

5GTF Beamforming analyzer (S040)

Frequency range FR1 Band: 10 MHz to 6 GHz

FR2 Band: 24 GHz to 40 GHz

Input signal level FR1 Band: -75 to +25 dBm

FR2 Band: -75 to +15 dBm

RX sensitivity -90 dBm PSS detection

Channel power accuracy ±1.0 dBm typical

Supported bandwidth 100 MHz

Frequency error ±10 Hz + ref freq accuracy 99% confidence level

Residual EVM (RMS) 2.0% Typical

| Measurements | | |
|-----------------|---|------------------|
| Carrier scanner | Carrier scanner bar BRSRP Channel power Carrier scanner summary | Up to 8 carriers |
| | Cell ID/Beam index Carrier frequency Channel power | |
| | BRSRP xPBCH EVM | |
| Beam analyzer | Beam analyzer bar/summary Cell ID/Beam index BRSRP PSS-RSSI BRS-SNR | Up to 8 beams |
| Route map | Cell ID/Beam index BRSRP BRS-SNR PSS-RSSI | |

General Information

| RF In | | |
|--|---|-----------------------------|
| Connect Type Impedance Damage leve | Option F002: K, male | Nominal Average CW power |
| Trigger In/Out, GPS | , in the second | |
| Connect Type Impedance | | Nominal |
| Reference Clock In/Out | | |
| · | • | Nominal |
| USB | | |
| | Type A, 2 ports Mini USB, 1 port Used for SCPI programming, USBTMC, and connection to AppSW | USB2.0 |
| SFP Cage | | With option 0001 |
| Port1 Port2 LAN | SFP/SFP+ compatible | |
| LAN | | |
| | RJ45, 1000 Base-T Used for SCPI programming, remote control and | d connection to AppSW |

| Audio Jack | | |
|-------------------------------------|---|-----------------------|
| | 3.5 mm headphone jack Built-in speaker | |
| Display | Built in Speaker | |
| Туре | 10" capacitive touch screen | |
| Resolution | 1280x800 | |
| Power | | |
| Connector | Rectangular DC jack | |
| External DC input Power consumption | 19 VDC Option F001 54 W | |
| i ower consumption | Option F002 64 W | |
| Battery | • | |
| Туре | 14.4 V, 6460 mA/hr (Lithium ion) | Accepts two batteries |
| Operating time | Option F001 standard (one battery): > 2:00 hrs | Typical |
| | option (two batteries): > 4:10 hrs Option F002 standard (one battery): > 1:40 hrs | Typical |
| | option (two batteries): > 3:30 hrs | Typical Typical |
| | New battery with fully charged battery | Тургсат |
| Charging time | 100 % charging | |
| | Standard (one battery): > 2:30 hrs | |
| | Option (two batteries): > 4:30 hrs | |
| | Up to 80 % charging Standard (one battery): > 1:40 hrs | |
| | Option (two batteries): > 3:20 hrs | |
| charging Temperature | 0 to 45 °C (32 to 113 °F) ≤ 85% RH | |
| Discharging Temperature | -20 to 55 °C (4 to 131 °F) ≤ 85% RH | |
| Storage temperature | -20 to 60 ° C (4 to 140 °F) | |
| Operating temperature | 0 to 40 °C (32 to 104 °F) | Battery charging |
| AC power Battery | • | With 0001 off |
| Buttery | -10 to 40 °C (14 to 104 °F) | With 0001 on |
| Storage temperature | | |
| | -20 to 60 °C (4 to 140 °F) | |
| Maximum humidity | 050/ 011/ | |
| Mass Memory | 95% RH (noncondensing) | |
| Internal | Maximum 4 GB | |
| External | Limited by size of USB/SD flash drive | |
| | SD card (not supplied), size ≤ 32 Gbyte | |
| Data storage | | |
| Internal | > 1000 instrument setups and traces | |
| External Environmental | > 5000 instrument setups and traces | |
| Vibration | | |
| | MIL-PRF-28800F Class 2 | |
| Shock | | |
| 5 11 11 | MIL-PRF-28800F | |
| Bench handling | MIL DDE 20000E | |
| Transit drop | MIL-PRF-28800F | |
| Transit at op | MIL-PRF-28800F Class 2 | |
| | | |

EMC

IEC/EN 61326-1:2006 (complies with European EMC)

ISPR11:2009 +A1:2010

ESD

IIEC/EN 61000-4-2

Size and Weight (standard configuration)

Weight (with one battery) Option F001: < 5.9 kg (13.00 lb.)

Option F002: < 6.2 kg (13.66 lb.)

Size (W x H x D) 309mm X 241mm X 113mm with top bumper

309mm X 225mm X 113mm without top bumper

Warranty

3 years

Recommended calibration cycle

1 year

Ordering Information

| Oracring inioi | | |
|-----------------|--|-------------------------|
| Part number | Description | Note |
| CA5000 | CellAdvisor 5G | Requires F001 or F002 |
| | Includes: Spectrum analyzer, RF power meter | |
| Frequency rang | ge | |
| CA5000-F001 | Frequency for FR1 up to 6 GHz | |
| CA5000-F002 | Frequency for FR1 up to 6 GHz and FR2 up to 40 GHz | |
| CA5000-FU02 | Frequency upgrade to FR2 from option F001 | |
| Additional inte | rnal hardware | |
| CA5000-O001 | Optic hardware | |
| CA5000-OU01 | Upgrade optic hardware | Requires factory return |
| Bandwidth rang | ge | |
| CA5000-B100 | 100 MHz/100 MHz analysis bandwidth | |
| Options | | |
| CA5000-S002 | GPS connectivity with antenna | |
| CA5000-S003 | Bluetooth connectivity | |
| CA5000-S004 | Wi-Fi connectivity | |
| CA5000-S010 | 50 MHz bandwidth real time spectrum analyzer | |
| CA5000-S011 | 100 MHz bandwidth real time spectrum analyzer | Requires B100 |
| CA5000-S013 | Interference analyzer | |
| CA5000-S014 | Route map | |
| CA5000-S015 | Gated Sweep | |
| CA5000-S016 | Channel Scanner | |
| CA5000-S040 | 5GTF beamforming analyzer | Requires B100 |

| Optional accessories | | | |
|----------------------|--|--|--|
| Accessory - RF | Accessory - RF Cables | | |
| G700050530 | RF cable DC to 8 GHz Type-N(m) to Type-N(m), 1.0 m | | |
| G700050531 | RF cable DC to 8 GHz Type-N(m) to Type-N(f), 1.5 m | | |
| G700050532 | RF cable DC to 8 GHz Type-N(m) to Type-N(f), 3.0 m | | |
| G710050533 | RF cable DC to 18 GHz Type-N(m) to SMA(m), 1.5 m | | |
| G710050534 | RF cable DC to 18 GHz Type-N(m) to QMA(m), 1.5 m | | |
| G710050535 | RF cable DC to 18 GHz Type-N(m) to SMB(m),1.5 m | | |
| G710050536 | RF cable DC to 6 GHz Type-N(m) to DIN(f), 1.5 m | | |
| G710050537 | RF cable DC to 4 GHz Type-N(m) to 1.0/2.3 (m), 1.5 m | | |
| G700050540 | Phase-stable RF cable w grip DC to 6 GHz Type-N(m) to Type-N(f), 1.5 m | | |
| G700050541 | Phase-stable RF cable w grip DC to 6 GHz Type-N(m) to DIN(f), 1.5 m | | |
| G710050531 | RF cable DC to 18 GHz Type-N(m) to Type-N(f), 1.5 m | | |
| G700050550 | RF cable DC to 40 GHz, K(m) to K(m), 0.6 m | | |
| G700050551 | RF cable DC to 40 GHz, K(m) to K(f), 0.8 m | | |
| Accessory - RF | Antennas | | |
| G700050340 | RF omni antenna Type-K (f), 26 GHz to 40 GHz | | |
| G700050353 | RF omni antenna Type-N(m), 806 to 896 MHz | | |
| G700050354 | RF omni antenna Type-N(m), 870 to 960 MHz | | |
| G700050355 | RF omni antenna Type-N(m), 1710 to 2170 MHz | | |
| G700050356 | RF omni antenna Type-N(m), 720 to 800 MHz | | |
| G700050357 | RF omni antenna Type-N(m), 2300 to 2700 MHz | | |
| G700050363 | RF yagi antenna Type-N(f), 1750 to 2390 MHz, 10.2 dBd | | |
| G700050365 | RF yagi antenna Type-N(f), 866 to 960 MHz, 9.8 dBd | | |
| G700050366 | RF yagi antenna SMA(f), 700 to 4000 MHz, 1.85 dBd | | |

G700050367 RF yagi antenna SMA(f), 700 to 6000 MHz, 2.85 dBd G700050370 RF directional horn antenna kit, K(f), 26.5 GHz to 40 GHz, 15 dBi G700050390 GPS SMA mount antenna Accessory - RF Adapters (Connector & Adapters) G700050572 Adapter DIN(m) to DIN(m), DC to 7.5 GHz, 50 ohm Adapter Type-N(m) to SMA(f) DC to 18 GHz, 50 ohm G700050573 G700050574 Adapter Type-N(m) to BNC(f), DC to 4 GHz, 50 ohm G700050575 Adapter Type-N(f) to Type-N(f), DC to 18 GHz 50 ohm G700050576 Adapter Type-N(m) to DIN(m), DC to 7.5 GHz, 50 ohm G700050577 Adapter Type-N(f) to DIN(f), DC to 7.5 GHz, 50 ohm G700050578 Adapter Type-N(f) to DIN(m), DC to 7.5 GHz, 50 ohm G700050579 Adapter DIN(f) to DIN(f), DC to 7.5 GHz, 50 ohm Adapter Type-N(m) to Type-N(m), DC to 11 GHz 50 ohm G700050580 G700050581 Adapter N(m) to QMA(f), DC to 6.0 GHz, 50 ohm Adapter N(m) to QMA(m), DC to 6.0 GHz, 50 ohm G700050582 Adapter N(m) to 4.1/9.5 MINI DIN (f), DC to 6.0 GHz, 50 ohm G700050583 G700050584 Adapter N(m) to 4.1/9.5 MINI DIN (m), DC to 6.0 GHz, 50 ohm Adapter N(m) to 4.3-10 (f), DC to 6.0 GHz, 50 ohm G700050585 Adapter N(m) to 4.3-10 (m), DC to 6.0 GHz, 50 ohm G700050586 G700050587 Adapter N(f) to SMA (f), DC to 18 GHz, 50 ohm **Accessory - RF Filters** G700050601 Bandpass filter 696 MHz to 716 MHz, N(m) to N(f), 50 ohm G700050602 Bandpass filter 776 MHz to 788 MHz, N(m) to N(f), 50 ohm G700050603 Bandpass filter 806 MHz to 849 MHz, N(m) to N(f), 50 ohm Bandpass filter 1710 MHz to 1755 MHz, N(m) to N(f), 50 ohm G700050604 G700050605 Bandpass filter 1850 MHz to 1910 MHz, N(m) to N(f), 50 ohm **Accessory - RF Power Sensors** JD731B Directional power sensor (peak and average power) 300 to 3800 MHz JD732B Terminating power sensor (Average Power) 20 to 3800 MHz Directional power sensor (peak and average power) 150 to JD733A 3500 MHz JD734B Terminating power sensor (peak power) 20 to 3800 MHz Terminating power sensor (average/peak power) 20 to 3800 JD736B MHz **Accessory - RF Miscellaneous** G710050581 Attenuator 40 dB, 100 W, DC to 4 GHz (unidirectional) G710050585 RF directional coupler, 700 to 4000 MHz, 30 dB, 50 W Input/output; Type-N(m) to Type-N(f), tap off; Type-N(f) RF combiner, 700 to 4000 MHz, Type-N(f) to Type-N(m) G710050586 G710050587 4x1 RF combiner, 700 to 4000 MHz, Type-N(f) to Type-N(m) **Accessory - General** G700050431 CellAdvisor 5G soft carrying case G700050150 98 Wh Lithium-Ion Battery