

R3265A/3271A SERIES QUICK GUIDE

Please Note

- For detailed information, see the Instruction Manual.
- indicate the panel keys, and indicate the soft key menu.

| Item | Operation procedure |
|-----------------|--|
| Start | <p>Data setting: Enter using the step keys, data knob, or numeric keypad (unit key last) for data setting.</p> <p> Numeric keypad → GHz +dBm, MHz -dBm, kHz mV, or Hz μs</p> <p>This entire description will not be repeated and will from now be referred to as [Data setting]. If you enter the numeric keypad incorrectly, press .</p> |
| Basic operation | <p>Initializing: PRESET</p> <p>Frequency level setting: → [Data setting] / → [Data setting] / → [Data setting] Sets the center frequency. Sets the frequency span. Sets the reference level.</p> <p>IF bandwidth and input ATT setting: → → [Data setting] / → → [Data setting]</p> <p>Two-signal comparison: → → → → </p> <p>Data storage: → → → [Data setting] → Specifies the channel in which data is stored.</p> <p>Data read: → [Data setting] → Specifies the channel.</p> <p>Start/stop frequency setting: → [Data setting] / → [Data setting] Sets the frequency. Sets the frequency.</p> |
| Level | <p>Amplitude scale dB/div setting: → → [Data setting] Can be set to 0.1 to 10dB/div in a 1, 2, 5 sequence.</p> |
| Coupling | <p>Digital/analog IF selection: → → 1, 2, or OFF in (1 : Set to digital IF when RBW is 10Hz, 30Hz, or 100Hz.) (2 : Set to digital IF when RBW is 10Hz or 30Hz.) (OFF : Set to the analog IF.)</p> <p>The analog IF mode is automatically set when the set span is 0Hz or 200kHz or more.</p> |
| Menu keys | <p>Sweep in measurement window: → → → → → X in → → Sets the sweep operation.*1 Determines the window position. Can shift the center position (X, Y) of the window.</p> <p> in → → → → Determines the window size. Cancels the WINDOW SWP. Can increase or decrease the X amplitude (ΔX) of the window.</p> <p>Enter → → in : You can obtain the same sweep operation as that marked with *1.</p> |

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| Menu keys | <p>Audio monitor: → → → → → → [Data setting] Data setting. Sets the receive time when the span is set.</p> <p>Audio monitor OFF: (or → →)</p> <p>Selection of voltage display (Used as 75Ω port using an external 75Ω to 50Ω converter): → → 75 in </p> <p>Marker pause time setting: → [Data setting] → → → in → [Data setting] Specifies the marker point. Sets the pause time.</p> <p>Detection mode selection: → → → (Enters the detection mode in which the positive/negative peak detection is automatically selected by a measurement waveform.) → (Enters the positive peak detection mode. Enters this mode automatically during maximum hold display.) → (Enters the negative peak detection mode. Enters this mode automatically during minimum hold display.) → (Enters the sample detection mode. Enters this mode automatically in the averaging mode.) Select one from next menu.</p> |
| TRACE section | <p>Display line setting: → in → [Data setting] Moves the display line.</p> <p>Averaging count setting (Averaging A): → → [Data setting] Sets the number of averaging times.</p> <p>Alteration of memory contents: → → → → → </p> <p>Data storage (trace A): → → → → [Data setting] → → Specifies the channel. Unit key, Numeric keypad → → Moves the cursor. Selects the character. Enters the numerical value. Enters the title.</p> <p>Maximum/minimum hold display: → / → → </p> |
| MARKER section | <p>Selection of marker data display position: → → UP or LOW in </p> <p>Auto tuning (Searches for the peak value between full and optional spans): → → → → [Data setting] Sets the span width. Set the mode to analog IF when the span is 100Hz. (See item "Digital / Analog IF Selection".)</p> <p>Peak list display: → → in → [Data setting] (Up to eight peak signal data items are displayed on the screen.)</p> |

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| MARKER section | <p>Marker</p> <p>MULTI MKR ON → NORMAL MKR → [Data setting] → (The marker frequency and level are displayed.) Moves the marker.</p> |
| | <p>Delta marker</p> <p>MULTI MKR ON → Δ MKR → [Data setting] → (The frequency and level differences between the reference marker and active marker are displayed.) Moves the active marker.</p> |
| | <p>Peak delta marker</p> <p>PEAK → MULTI MKR ON → Δ MKR → [Data setting] → (The frequency and level differences from a peak signal are displayed.) Moves the active marker.</p> |
| Frequency counter function | <p>MULTI MKR ON → COUNTER → [Data setting] → (FREQ CNT : Displays the signal frequency.) (MKR CNT : Displays the frequency of a marker point.)</p> <p>Select one from next menu.</p> |
| Noise Hz measurement | <p>MULTI MKR ON → NOISE X FZ → dBm FZ → (The noise level measurement result or the ordinary marker display can be selected when a display line is displayed during noise level measurement.)</p> <p>The active marker position is lower than the display line : Displays the noise level measurement data. The active marker position is higher than the display line : Displays the ordinary marker level.</p> |
| Signal track (Holds a signal in the center of the screen.) | <p>MULTI MKR ON → [Data setting] → ON in SIGNAL ON/OFF → Adjusts a marker to the signal in which you wish to track a signal.</p> |
| X-dB down setting | <p>PEAK → MULTI MKR ON → X dB DOWN → [Data setting] → X dB DOWN → Sets the X-dB value. (The initial value is 3dB.)</p> |
| Multi-marker function | <p>SHIFT → MULTI MKR ON → MKR NO. → ON in MKR ON/OFF → [Data setting] → MKR SET ON/OFF → Moves the marker point.</p> <p>Eight markers can be set when this operation is repeated eight times. Numeric character "2" in *2 changes to 3, 4, 5, 6, 7, then 7 every time *1 is pressed.</p> <p>→ (The frequencies and levels of all the markers during display are displayed on the list in realtime.)</p> |
| User define function | <p>SHIFT → DEFINE USER → DEFINE USER → GROUP ACTIVE → MEMBER ACTIVE → Panel key *1 → ENTER → Moves arrow key ↔ to the menu you wish to alter or add.</p> <p>Panel key *2 → Moves arrow key ↔ to the menu you wish to set by one of the arrows keys.</p> <p>*1 : The CENTER FREQ group can be set immediately after the panel key (e.g., CENTER FREQ) is pressed. *2 : The step key displays the function group in scroll every time it is pressed.</p> |

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| User define function | <p>Soft menu alteration</p> <p>SHIFT → DEFINE USER → GROUP ACTIVE → Panel key *1 → ENTER → MEMBER ACTIVE → Moves arrow key ↔ to the menu you wish to alter.</p> <p>Panel key *1 → ENTER → Displays the function group you wish to alter by one of the arrow keys.</p> <p>Panel key *2 → Moves arrow key ↔ to the menu you wish to alter by one of the arrow keys.</p> <p>*1 : The CENTER FREQ group can be set immediately after the panel key (e.g., CENTER FREQ) is pressed. *2 : The step key displays the function group in scroll every time it is pressed.</p> |
| User define menu normalizing | <p>SHIFT → DEFINE USER → INITIAL MENU → (The soft group on the display screen enters the initial menu.) Select one from next menu. → ALL INITIAL → (All the soft groups enter the initial menu.)</p> |
| Plot output function | <p>Items to be set.</p> <ul style="list-style-type: none"> ● Plotter used : R9833 ● Plotter mode : All ● Paper size : A4 ● Number of pens : 2 pens ● Split size of screen : 4 pictures ● Output screen during plotter split : Up right <p>SHIFT → PLOT 8 → (Menu appears.) → R9833 in PLOT TYPE → All in PLOT MODE → PLOT FORM → A4 in PAPER SIZE → 2pens in PEN → 4pictures in PLOT DIVISION → Up right in LOCATION → RETURN → PLOT EXECUTE</p> <p>*1 : Arrow key ↔ in the menu moves every time this key is pressed.</p> |
| EMC function | <p>QP mode measurement (EMC)</p> <p>SHIFT → EMC 1 → QP → (Data table is displayed.)</p> |
| | <p>Limit line setting</p> <p>SHIFT → EMC 1 → F-DOMAIN LIMIT LINE → LIMIT LINE → (Data table is displayed.)</p> <p>Numeric keypad → Numeric keypad → RETURN → LIMIT LINE 2 → (Data table is displayed.)</p> <p>*1 : The first operation is not required.</p> |
| Utility function | <p>Occupied bandwidth measurement</p> <p>SHIFT → UTIL 3 → OBW → Numeric keypad → OBW → (OBW : Displays the occupied bandwidth.) Data entry. (Fc : Displays the center frequency of the occupied bandwidth.) (The ratio of all the electric powers can be specified to 10.0 to 99.8%.)</p> |
| | <p>Leakage power measurement in adjacent channels</p> <p>SHIFT → UTIL 3 → PEAK → CH SP in ADJ SETUP → Numeric keypad → BS in ADJ SETUP → (Displays the leakage power in upper and lower channels.) Data entry. Select one next menu. → ADJ PWR → (Displays the calculation result in a graph.)</p> |